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**Report on the 2019-2020 Diamond Drilling Program,  
Gosselin Deposit, South Swayze Property  
Chester Township  
Porcupine Mining Division  
Ontario, Canada**

**IAMGOLD Corporation**

**Mining Land Tenures:  
MLO-10658, MLO-10660, PAT-11117, PAT-11121, PAT-11126 and PAT-11127**

**NTS:  
DATUM: NAD83 UTM ZONE 17**

**Jillian Craig, P.Ge**

**January 18, 2022**

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## 1.0 Summary

IAMGOLD Corporation conducted diamond drilling between October 22<sup>nd</sup>, 2019 and December 8<sup>th</sup>, 2020, across four patents and three mining license of occupation claims within the Chester Township of Ontario. A total of 33 drill-holes were completed with a total of 13,735 meters of drilling.

The drilling program investigated a portion of the Chester intrusive complex (CIC) within the Swayze Greenstone Belt (SBG), which historically has been prospected for high-grade narrow vein hosted gold and, to a lesser extent, base metals. The SGB is home to several past-producing gold mines such as the historic Jerome Mine.

The program was designed to follow up on previous drilling programs and field work in the Gosselin area that took place during 2015-2017 field seasons. Previous work targeted the historical Gosselin occurrence which hosted narrow vein gold and was one of the original gold discoveries in Chester Township back in the 1930's. IAMGOLD performed the initial rounds of work, particularly diamond drilling, which intersected gold in narrow veins but also gold over significant width indicating a possible large hydrothermal system. The area is referred to as the 'Gosselin Area' for the purposes of this report and is found within IAMGOLD's Chester Property (South Swayze Property).

A total of 15,214 samples including QA/QC (1215) and drill core duplicates (759) were sent for gold assay at Actlabs in Timmins and Ancaster, Ontario. Sample preparation by crushing and pulverizing was done at both the Timmins and North Bay Actlabs facilities.

Drill-hole location information is presented in the Universal Transverse Mercator coordinate system (UTM) NAD 83, Zone 17. The drilling was completed on four patents, PAT-11117, PAT-11121, PAT-11126, PAT-11127 and two mining licence of occupation claims MLO-10658 and MLO-10660 on provincial grid cells 41P12D113-114 and 41P12D132-134. Beneficial ownership of the patents and mining license of occupation claims are 64.75% IAMGOLD, 27.75% SMM Gold Côté Inc & 7.5% Treelawn Group

Drill core processing, including rock quality designation (RQD), core logging, core cutting and sampling was performed at IAMGOLD's Côté Gold Exploration core shack on Mesomikenda Lake road by IAMGOLD personnel. Processing work, from RQD through to the final assay results for the drilling campaign, took place between October 22<sup>nd</sup>, 2019 and April 9<sup>th</sup>, 2021. All drill core is in storage in IAMGOLD's core farm on the Côté Gold site.

The drill program was successful at further delineating the Gosselin area. The majority of the drill-holes intersected intervals of hydrothermally altered and mineralized tonalite. Intervals of hydrothermal breccia and narrow gold veins were also intersected throughout the programs.

It is recommended that more work be done to further evaluate the potential for gold mineralization at depth and along strike. Further drilling is warranted to refine the geologic model and work towards understanding the controls on mineralization.

## 2.0 Introduction

### 2.1 Purpose of the Report

This report has been prepared to meet requirements for the filing of Assessment Work under the provisions of the Ontario Mining Act. The report describes the results of the 2019 to 2020 diamond drilling program performed by IAMGOLD Corporation in the Gosselin area within Chester Township, located in the central part of the South Swayze Property, Porcupine Mining District, Ontario.

### 2.2 The Gosselin Area Diamond Drilling Program - Overview

The diamond drilling program was conducted between October 22<sup>nd</sup>, 2019 and December 8<sup>th</sup>, 2020. The drilling campaign occurred on IAMGOLD's Chester 2 and 986813 Ontario Ltd. North properties within IAMGOLD's South Swayze Property claim group. The drilling area is collectively known as the 'Gosselin Area'. The property is located within Chester Township near Gogama, Ontario, and is situated roughly 1.5 km northeast from IAMGOLD's Côte Gold deposit. The drilling took 283 days in total to complete, including a hiatus from March 26<sup>th</sup>, 2020 to August 8<sup>th</sup>, 2020, for Covid-19 safety measures. A total of 33 drill-holes consisting of 13,735 meters of diamond drilling were completed within mining land tenures MLO-10658, MLO-10660, PAT-11117, PAT-11121, PAT-11126 and PAT-11127 on provincial grid cells 41P12D113-114 and 41P12D132-134. The drill-holes have dips ranging from -48.9° to -67.8° and azimuths ranging from 078° to 340°. The land-based drill core is NQ diameter in size (47.6 mm) and the barge-based drill core diameter is BQTW (BQ Thin-Wall) in size (42.0 mm). The program was completed as a follow-up to previous IAMGOLD drilling in the area that tested the historical narrow vein Gosselin system and resulted in the discovery of a broad hydrothermal system, yielding gold over wide intervals.

Diamond drill supervision was conducted out of the Côte Gold exploration core shack located at 3 Mesomikenda Lake road. Core cutting and sampling was conducted concurrently with logging which was completed shortly after drilling was performed. The author was not on site for the majority of the work performed.

### 2.3 Claims Ownership

Beneficial ownership interest for the four patents and two mining license of occupation claims are IAMGOLD Corp. (64.75%), SMM Gold Côte Inc. (27.75%) and Treelawn Group Inc. (7.5%). A more detailed breakdown of the claims ownership is provided in Table 1.

### 3.0 Property Description, Location and Access, Physiography and Vegetation

#### 3.1 Property Description

The South Swayze property is located in the Porcupine Mining Division, 25 km southwest of Gogama, 175 km north of Sudbury and approximately 125 km southwest of Timmins (Figure 1). It extends from Esther Township in the west to Garibaldi Township in the east, with a strike length of approximately 77 km.

The diamond drilling work that is the subject of this report was conducted on the Côté Gold Project area (Figure 2), part of a large property covering a total area of approximately 595 km<sup>2</sup> in the South Swayze area.

The mineral tenure for the drilling program consists of four patented claims and two mining licence of occupation claims. The patents, leases, and mining licence of occupation claims are as follows: MLO-10658, MLO-10660, PAT-11117, PAT-11121, PAT-11126, and PAT-11127. All lease and patent boundaries for the property package have been surveyed. The details for these properties are summarized in Table 1 below.

**Table 1:** Summary of Claims Worked

Tenure Number	Tenure Type	Township	Beneficial Ownership Interest
PAT-11117	Patent	Chester	64.75% IMG/ 27.75% SMM Gold Côté Inc./ 7.5% Treelawn Group Inc.
PAT-11121	Patent	Chester	64.75% IMG/ 27.75% SMM Gold Côté Inc./ 7.5% Treelawn Group Inc.
PAT-11126	Patent	Chester	64.75% IMG/ 27.75% SMM Gold Côté Inc./ 7.5% Treelawn Group Inc.
PAT-11127	Patent	Chester	64.75% IMG/ 27.75% SMM Gold Côté Inc./ 7.5% Treelawn Group Inc.
MLO-10658	MLO	Chester	64.75% IMG/ 27.75% SMM Gold Côté Inc./ 7.5% Treelawn Group Inc.
MLO-10660	MLO	Chester	64.75% IMG/ 27.75% SMM Gold Côté Inc./ 7.5% Treelawn Group Inc.

\*MLO – Mining License of Occupation

#### 3.2 Location and Access

The Gosselin area can be accessed by several routes:

1. From the Côté Gold exploration building located at 3 Mesomikenda Lake road, head west through the Côté Gold property via the bridge over the Mesomikenda Lake narrows. From there, follow the main access road for 2.6 km until the fork. Stay right to a secondary access road and follow it for an additional 1.8 km to the drilling area. Note that this road has gated access and security.
2. From the Watershed Restaurant and Gas Station on Highway 144, head north for 4.1 km. Turn left at the Chester Mine Road and follow it for 10.3 km until the fork. Turn left at the fork and stay on the road for 1.8 km to the drilling area. This is the access route mainly used for floats dropping off drilling and heavy equipment. This route also has gated access, as it circumvents the Chester 1 Mine Site.



- From Highway 144, head west on the Sultan Industrial Road for 3.4 km until the Chester Logging Road intersection. Take the Chester Logging Road north to approximately the 8 km mark and turn right onto the Chester Mine road. Continue east and follow this road for 4.9 km to the general drilling area. Note that this road has gated access.



Figure 1: Property Location Map (Natural Resources Canada, 2002)

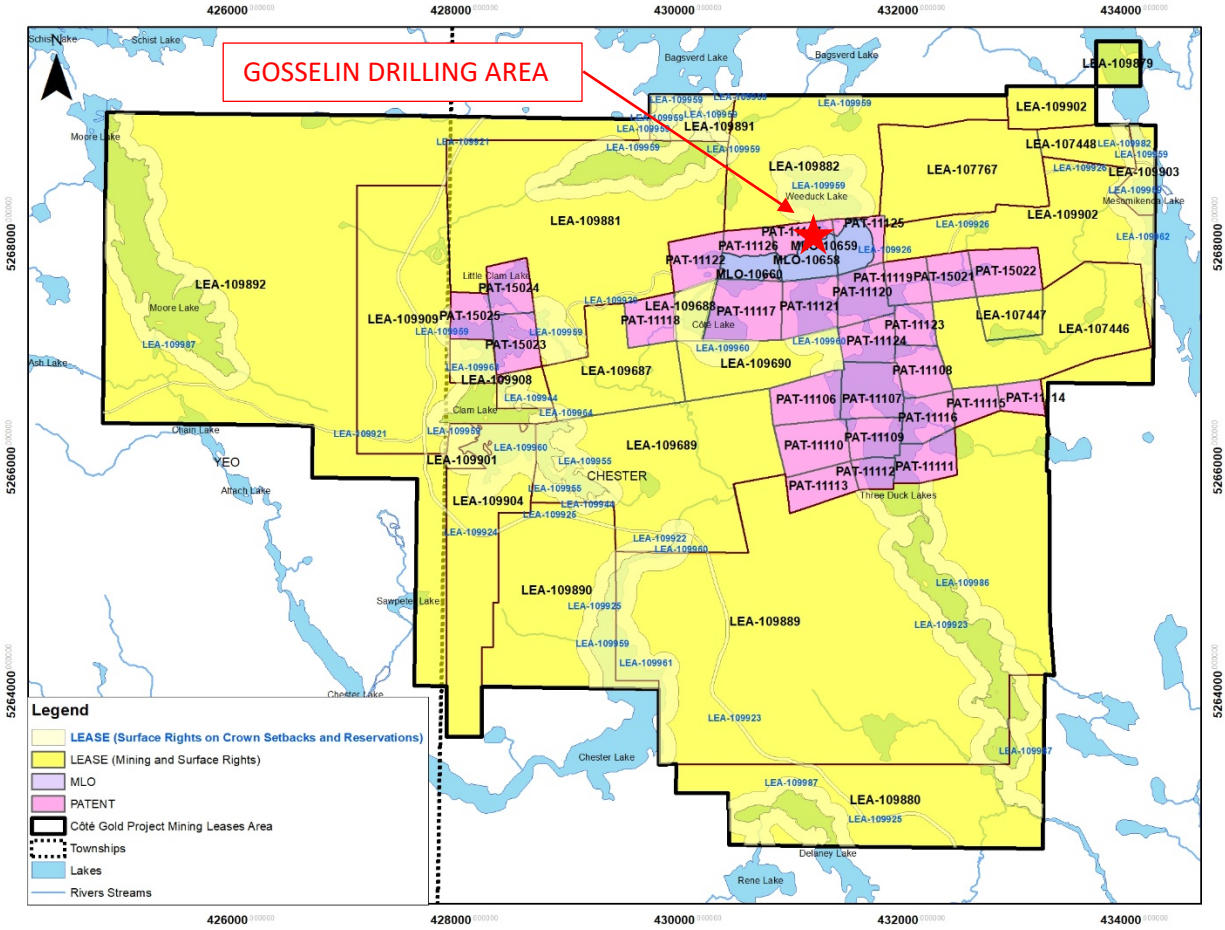


Figure 2: Chester Properties & Area Map (1:40,000 scale)

### 3.3 Physiography and Vegetation

This part of the South Swayze Property is typical of glaciated terrain of the Canadian Shield and Ontario's northland with limited topographic relief seldom exceeding 50 m above lake levels. Elevations throughout the project area are generally between 380 MASL and 400 MASL. The lower ground is covered by deep glacial till and small lakes, bogs and swamps. The project area is situated on the southern edge of the boreal forest where it transitions from the Great Lakes-St. Lawrence forest. Tree species in the area are dominantly coniferous and consist of white and black spruce, balsam fir, jack pine and trembling aspen with lesser sporadic stands of red pine, eastern white pine, eastern hemlock, yellow birch, white birch and maple. There is little (a few %) outcrop, mostly confined to the higher ground where it is either fully exposed or the bedrock is covered by a thin veneer of glacial till, soil, moss or lichen. Extensive logging has taken place throughout the years over and around the project area.

### 3.4 Climate

The climate of the South Swayze Property (Gosselin Area) is continental in nature and similar to that of Timmins, Ontario. It is characterized by cold winters and hot summers with recorded temperatures ranging from -45.6°C in the winter to +44.0°C in the summer. The average temperature range for the winter is -10.0°C to -35.0°C; for the summer it is +10.0°C to +35.0°C. Average annual precipitation (snow and rain) is approximately 85 cm and falls evenly throughout the year.

## 4.0 Geological Setting

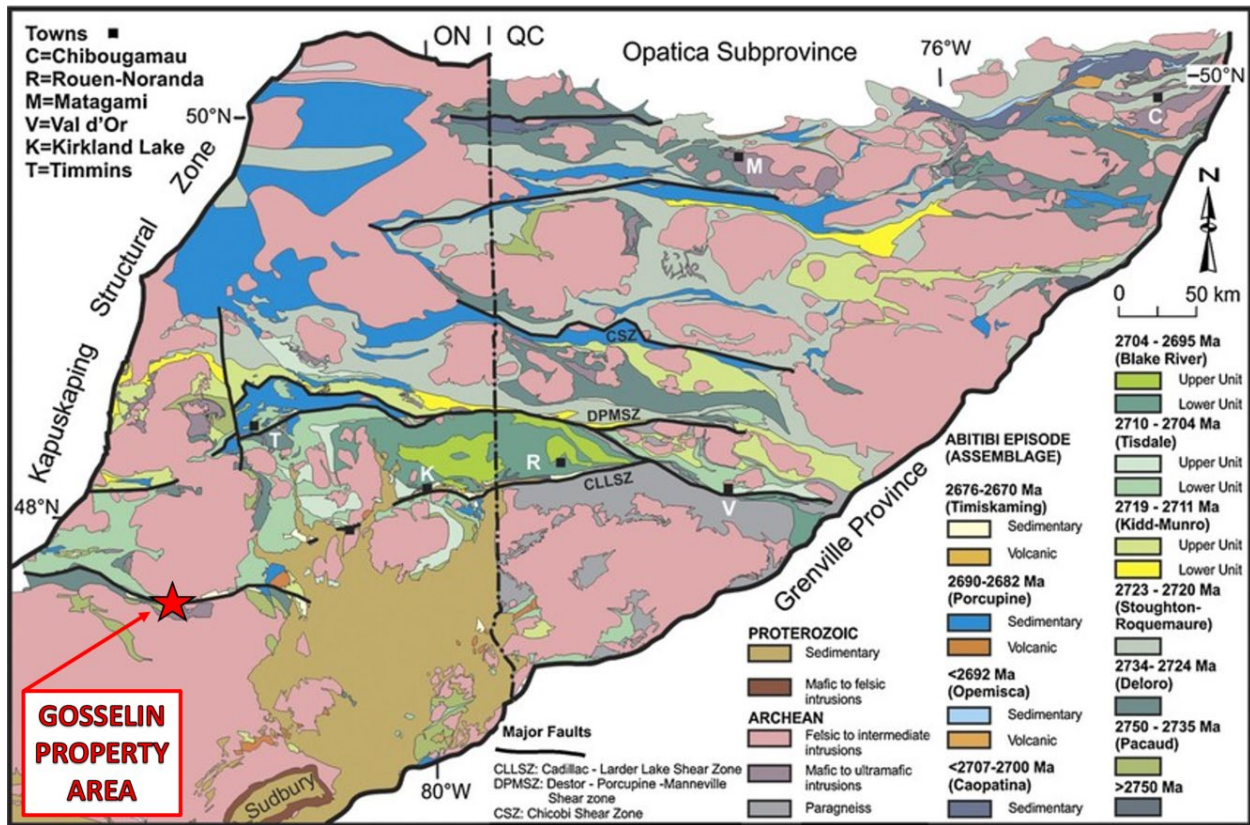
### 4.1 Regional Geology

The South Swayze Property (Gosselin Area) is situated within the Swayze Greenstone Belt (“SGB”) which is the southwestern extension of the Abitibi greenstone belt (Figure 3). It consists of a northwest-to west-trending belt of largely upper greenschist facies metamorphosed Archean volcanic, sedimentary and intrusive rocks. It is bounded to the north by the Nat river granitoid complex, to the south by the Ramsey-Algoma granitoid complex, and to the east by the Kenogamissi granitoid complex. To the west, the SGB is bounded by the east-verging exposure of an oblique crustal cross-section of the Wawa Subprovince known as the Kapuskasing structural zone. It is connected to the southern Abitibi belt by a narrow septa of volcanic-sedimentary rocks associated with an extensive zone of high strain referred to as the Ridout deformation zone (“RDZ”), that wraps around the southern margins of the Kenogamissi granitoid complex (van Breemen et al, 2006). Though contentious, some researchers consider the RDZ to be the extension of the Cadillac Larder Lake deformation zone.

The SGB is host to a wide variety of both intrusive and extrusive rocks which range from ultramafic to felsic in composition, as well as both chemical and clastic sedimentary rock types. Ultramafic rocks of massive peridotite, pyroxenite and dunite intrusions are spatially related to spinifex-textured komatiite flows. Mafic volcanic rocks are widely distributed and include massive, pillow breccia, variolitic and amygdaloidal flows of Fe-tholeiitic, Mg-tholeiitic and calc-alkalic basalts. These mafic units are often cut by synvolcanic gabbro and diorite sills and dykes that range from fine- to coarse-grained. There are several packages of felsic to intermediate volcanic rocks that consist of massive pillowed flows, volcanic breccias, lapilli tuffs and ash tuffs. Felsic rocks consist of feldspar and quartz porphyritic dacite to rhyolite flows and quartz-feldspar porphyry intrusions. There are also clastic sedimentary rocks subdivided into two major groups which include older sequences associated and intercalated with the volcanics, and younger sequences collectively known as the Ridout Group, which overlie older sequences of volcanic and sedimentary rocks. Lastly, the SGB is intruded by four geochronologically distinct dyke swarms that cut the supracrustal rocks (Heather, 2001) and are clearly defined in aeromagnetic surveys overprinting all other magnetic fabrics. These dyke swarms are as follows:

- 1) NW striking 2452 Ma Matachewan swarm
- 2) NNE striking 2167 Ma Biscotasing swarm
- 3) WNW striking 1238 Ma olivine-bearing Sudbury swarm
- 4) NE striking 1140 Ma olivine-bearing Abitibi swarm

The SGB has undergone a complex and protracted structural history of polyphase folding, development of several generations of penetrative foliations and folds, ductile high-strain zones and late brittle faulting (van Breemen et al, 2006). Structurally, the RDZ is of most importance in the area as it straddles the northern boundary of IAMGOLD's land package extending west to Osway township where it is associated with the former Jerome gold mine (historic production  $\pm$  56,800 oz Au; Lavigne et al, 2012). It is a major east-west anastomosing D2 high-strain zone, up to 500m wide, localized within the F2 Ridout syncline which extends for at least 80 km in a roughly E-W trend. The RDZ also has a regional geochemical influence on the surrounding rocks, with characteristic local strong carbonate (calcite and Fe-carbonate), chlorite, and sericite and silica alteration.



**Figure 3:** Regional geology map of the Abitibi Subprovince and approximate Gosselin property area. (Thurston et al. 2008)

#### 4.2 Property Geology

The Gosselin property area resides within the Chester Igneous Complex (CIC), which is a multi-phase, subvolcanic intrusive complex located along the southern margin of the Ridout syncline in the southeastern extension of the Swayze Greenstone Belt (Katz, 2016). The CIC consists of a leucocratic tonalite phase and melanocratic diorite phase. Overall, the tonalite varies from a biotite  $\pm$  amphibole tonalite to a quartz-rich tonalite. The diorite varies from a diorite to a quartz diorite to a hornblende-plagioclase pegmatite (Heather, 2001; Katz, 2016). Many complex cross-cutting relationships and textures

have been identified between the phases of the CIC. These relationships are interpreted to reflect coeval emplacement and magma co-mingling between the tonalite and diorite (Heather, 1993, 2001; Berger, 2011; Katz, 2016). For a more in-depth description of the CIC please refer to “Geology of the Archean Côté Gold Au (-Cu) Intrusion-Related Deposit, Swayze Greenstone Belt, Ontario” by Katz (2016). Recent mapping by Gemmell and MacDonald (2017) provides the most up-to-date surface Geological Survey coverage of the South Swayze property, and IAMGOLD field mapping provides detail of the local surface geology, alteration and mineralization in the immediate Gosselin area. Three U-Pb zircon geochronology studies have constrained the age of the Chester tonalite to  $2740 \pm 2$  Ma (Heather and van Breemen, 1994) and further to  $2741.1 \pm 0.9$  and  $2738.7 \pm 0.8$  Ma (Katz, 2016; Kontak et al., 2013a).

Rock types intersected during drilling include tonalite (I & II), tonalite breccia (I & II), quartz diorite, quartz diorite breccia, diorite, diorite breccia and hydrothermal breccia. Dike rocks that postdate the emplacement of the CIC include various porphyries (feldspar +/- quartz), lamprophyre, diabase (Matachewan), mafic dikes and fault breccia. Rock types, alteration and mineralization observed in drill core are described in section 4.3.

#### 4.3 Rock Types, Alteration & Mineralization

The following is a summary of rock types intersected during diamond drilling with additional descriptions based on Katz et al. (2017) with the exception of tonalite II and tonalite II breccia.

##### *Tonalite*

The tonalite in the Gosselin area is the most common rock type encountered and is host to the bulk of the gold mineralization. It is medium-grained, massive to rarely deformed, typically equigranular and seldom magnetic. There are plagioclase porphyritic varieties within the Gosselin drilling area. The tonalite is dominantly comprised of quartz and plagioclase feldspar. The most common alteration consists of varying intensities and styles of sericite, silica, albite and chlorite-biotite. Sericite alteration may be weak and occur only local to veins, veinlets and fractures, or become pervasive leaving a net-like appearance between the remaining quartz components. Silica and albite are grouped together as it is incredibly difficult to distinguish between them with the naked eye. Similar to sericite, silica-albite alteration can be very weak, only recognized as diffuse halos around veins, veinlets and fractures, or it may intensely and pervasively alter the tonalite, sometimes noted as bleached, due the washed out appearance of the rock and destruction of primary mineral textures. Chlorite and biotite are often noted as disseminated or spotty aggregates. Less common alteration types of the tonalite include hematite, epidote and carbonate. Mineralization is dominantly pyrite-chalcopyrite in proportions up to several percent, occurring as disseminations, fracture- and/or vein-controlled, with rarer instances of pyrrhotite, molybdenite, sphalerite, arsenopyrite, tellurides, electrum and visible gold. These minerals generally accompany pyrite and chalcopyrite in fractures or veins.

##### *Diorite and Quartz Diorite*

Together, diorite and quartz diorite are the second most abundant rock type encountered during drilling in the Gosselin area. The quartz diorite and diorite are typically medium- to coarse-grained,

massive to rarely deformed, equigranular or porphyritic and green to dark-green. The quartz diorite can be glomeroporphyritic with clusters of euhedral quartz and plagioclase crystal aggregates often termed 'quartz-eye diorite' in the Chester area. Quartz diorite and diorite range from leucocratic to melanocratic and are composed of amphibole, plagioclase  $\pm$  quartz with trace titanite, ilmenite and magnetite. The quartz crystals in both rocks types can have a bluish tinge resulting from trace titanium content. Common alteration facies of both quartz diorite and diorite mainly include chlorite/biotite with minor silica/albite and sericite and disseminated leucoxene. Both units locally contain up to several percent of disseminated pyrite-chalcopyrite, but more commonly only trace to 1%. They can also host significant veining (quartz-carbonate-chlorite/biotite-pyrite-chalcopyrite  $\pm$  pyrrhotite  $\pm$  visible gold). Especially along the Young-Shannon trends, veins reach a few decimeters in apparent thickness, but more commonly mineralization is fracture- and veinlet-controlled. Although not a significant source of bulk tonnage gold, there are zones within the Gosselin area where consecutive intervals of gold exist within the diorite, as well as high-grade vein-hosted gold.

#### *Tonalite Breccia*

Tonalite breccia is a magmatic breccia that forms as tonalite intrudes diorite, and typically occurs at intrusive margins. Depending on its spatial distribution relative to the diorite being intruded, the breccia may appear fragment-supported as fragment density increases with decreasing distance to the diorite body. The matrix of the breccia is tonalite as described above and the fragments of diorite are commonly fine- to coarse-grained, dark grey to green, angular to rounded, and range in size from centimeters to decimeters. This breccia can also be intruded by diorite breccia in some instances. The breccia unit generally lacks alteration or is very weakly altered with only localized or semi-pervasive sections. Tonalite breccia is generally poorly mineralized with pyrite proportions < 1%; it is not economically gold bearing.

#### *Diorite Breccia*

Diorite breccia occurs in multiple drill holes across the Gosselin area and consists of a diorite matrix with tonalite fragments but rare fragments of diorite and quartz diorite have also been observed. It is light grey to green and locally magnetic. The breccia may be either matrix- or fragment-supported, with the fragments being mm to m in size and angular to rounded. Various phases and textures of breccia development are noted in the Gosselin area and range from well-developed to a more in-situ or 'crackle' style breccia with intense fracture networks recognized as a short-lived magmatic pulse. Similar to quartz diorite breccia, chlorite/biotite alteration of the matrix is common in varying intensities, and patches of overprinting sericite and silica-albite are common. Depending on the totality and intensity of overprinting alterations, diorite breccia may be misidentified as hydrothermal breccia. Mineralization is commonly localized in higher concentrations in the matrix of the breccia, but can also be hosted in veins, veinlets and fractures, consisting of up to several percent pyrite-chalcopyrite  $\pm$  pyrrhotite  $\pm$  molybdenite  $\pm$  visible gold.

#### *Quartz Diorite Breccia*

This unit is not common in the Gosselin area and can be either mono or multilithic, comprised of fragments of diorite  $\pm$  tonalite  $\pm$  tonalite II in a quartz diorite matrix. The unit appears very chaotic and

texturally variable with drastic compositional changes (both melanocratic and leucocratic phases), magma-mingling textures and locally contains highly assimilated fragments that may be difficult to distinguish from the matrix. Fragments are fine- to coarse-grained, mm- to dm-scale, angular to rounded and have sharp, undulating, intermingled or diffuse contacts. The matrix of the unit is commonly chlorite-biotite altered and may be overprinted with silica/albite. This unit is non-magnetic and contains trace to 1% fracture- and vein-hosted pyrite-chalcopyrite with rare molybdenite stringers.

#### *Hydrothermal Breccia*

The hydrothermal breccia is one of two principal lithologies in the Gosselin area that are host to consistent intervals of gold (the other being altered tonalite). Comparable to diorite breccia, several stages of breccia development are noted, from a well-developed with a large proportion of matrix, to *in situ* 'crackle' style brecciation with an extremely high density of fractures due to hydrofracturing, often containing sulphide mineralization. The breccia is monolithic and consists of altered tonalite fragments, sub-rounded to sub-angular, cm to dm in size in a chlorite/biotite ± magnetite matrix. Hydrothermal breccia contains up to 95% tightly packed fragments, commonly observed in the *in situ* breccia style. In other cases, the breccia is matrix-supported. Sericite and silica-albite alteration can also overprint this unit weakly to intensely; in the latter case, the breccia texture is obscured, with only small patches of matrix material and associated sulphides remaining, such that the breccia is difficult to identify. Sulphide mineralization within this unit is often more than several percent and is commonly chalcopyrite dominant (over pyrite). Sulphide mineralization is mainly matrix-hosted, but also occurs in veins, veinlets, fractures, or disseminations. Other minerals include pyrrhotite, molybdenite and visible gold.

#### *Tonalite II*

This unit has only recently been recognized in the Chester area and has not been observed in the Côté deposit. It can also be confused with intensely silica/albite and sericite altered tonalite. Observations of lithological and fragment contacts aid in recognizing tonalite II. At the time of this report, tonalite II is not equally distributed throughout the deposit and is spatially restricted around and extending north from the island in Three Duck Lake amidst hydrothermal and diorite breccia bodies. The unit is fine grained to aphanitic, equigranular, massive, light yellowy-brown and consists almost entirely of quartz and sericite. Spotty chlorite and biotite are also noted when pervasive silica and sericite alteration are not as strong. The unit lacks any other significant alteration and is not generally gold bearing with the exception of some contact zones and various cross-cutting vein types. Sulphide mineralization includes up to a few percent disseminated pyrite with lesser pyrrhotite and chalcopyrite. In the future, IAMGOLD will attempt to further investigate and categorize this unit through petrographic and geochemical studies.

#### *Tonalite II Breccia*

Tonalite II breccia is relatively uncommon. This unit may be either mono or multilithic, with rounded to angular fragments in a tonalite II matrix as described above. Fragments may be of tonalite, diorite breccia, and quartz diorite and are generally cm-scale but can range from mm- to dm-scale. The unit is generally matrix supported with matrix proportions of 5-80%, with both sharp and extremely gradational contacts with both fragments and the wall-rock, which can inhibit recognition. Mineralization

is generally very low consisting of up to 1% disseminated pyrite-chalcopyrite and more rarely, vein- and fracture-hosted.

#### *Fault breccia*

The fault breccia is rarely intersected but occurred in three narrow (< 5 m) intervals in drill-hole GOS18-12, as well as in three other drill-holes with only one interval each. It is multi-lithic and comprises fragments set in either consolidated or unconsolidated gouge material. Fragments are generally tightly packed, angular, mm to cm in size, and are commonly altered tonalite (strong hematite and chlorite). The fault breccia contains fractured quartz and carbonate veins in a fine- to medium-grained chloritic groundmass, with a weak to moderate carbonate overprint. The unit is non-magnetic, commonly has sharp, discrete contacts, and contains trace pyrite.

#### *Dike Rocks*

There were several dikes encountered during the Gosselin drilling including intermediate, mafic, lamprophyre and Matachewan diabase dikes. There was one interval of an intermediate dike in GOS18-12 described as fine grained, light grey-green, non-magnetic and slightly foliated with sharp contacts. The dike was weakly carbonate, moderate sericite and moderate to strongly chlorite altered with trace pyrite and 3-5% wispy carbonate stringers. Mafic dikes are fine- to medium-grained, massive to foliated, grey to green and generally less than 10 m in apparent thickness. Alteration can consist of chlorite, biotite, carbonate, hematite and the dikes are locally strongly deformed. Lamprophyre dikes are fine-grained, massive to foliated, biotite porphyritic and dark-grey to red-brown. Alteration types include carbonate, biotite, chlorite and hematite. Lamprophyre dikes range from < 1.0 to 6.44 m in apparent width but are most commonly a few meters thick. Lastly, the Matachewan diabase dikes are fine-grained, dark grey to black, strongly magnetic, massive or porphyritic with epidote altered plagioclase phenocrysts. The diabase dikes range in size from < 1.0 m up to 35.86 m core width but are generally < 10.0 m true width. All of the dikes can contain trace to 1% pyrite, but none of them are economically gold bearing.

#### 4.4 Deposit Types

Within IAMGOLD's South Swayze Property, and specifically within the Chester group of properties, there are 2 distinct styles of gold mineralization:

- 1) Orogenic lode gold type –quartz vein and fracture hosted gold: Chester 1 (Murgold-Chesbar),
- 2) Côté Lake Intrusion Related Au (-Cu) – new gold discovery 'porphyry' style mineralization.
- 3) Shear zone vein-hosted Au at contact of felsic instructive porphyry and Temaskaming Sedimentary rocks: Jerome Mine



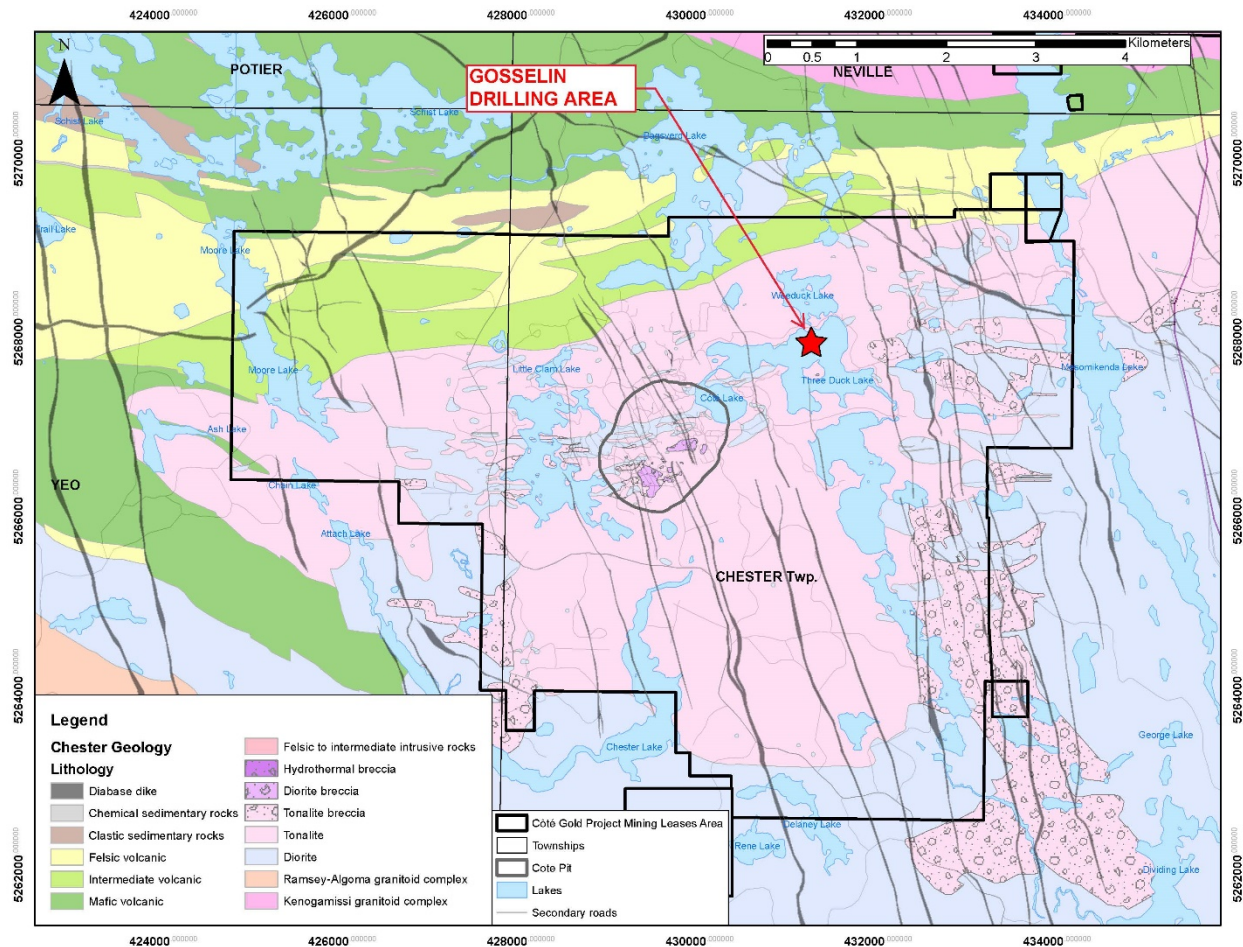


Figure 4: Chester Property area Geology Map

## 5.0 Previous Historical Exploration Work

### 5.1 Exploration History

Early prospecting and exploration in the project area was focused mainly in the Chester and Yeo Townships around the small-scale operations of the Murgold, Young-Shannon, Jack Rabbit, Gomak and Clam Lake areas, amongst others. It can be dated back to the turn of the century and continues to the present day. Work in the area was often sparked by exploration efforts in the nearby camps of Porcupine and Elk-Lake-Gowganda-Shining Tree, and significantly increased during war time. The earliest discovery in the area was a copper prospect in 1910 on the eastern shore of Mesomikenda Lake. However, it wasn't until 1930 when Alfred Gosselin found a spectacular native gold showing on the east shore of Three Duck Lake, did the area see a large influx of prospectors and attention (Laird, 1932). It is because of this discovery in 1930 that the area is host to many additional historical occurrences and discoveries scattered throughout the Chester and adjacent townships. It is also this initial discovery, the Gosselin occurrence, on the eastern shore of Three Duck Lake that led IAMGOLD's team back to the area to investigate the

narrow 'high-grade' gold vein system which led to the subsequent discovery of an associated bulk tonnage deposit in the Gosselin area.

## 5.2 Previous Exploration in Work Area

Tables 3 and 4 below summarize the geological work completed by the OGS and GSC, and historical exploration work in the general project area by past exploration and mining companies, respectively.

**Table 3:** Historical and recent work of the OGS/GSC

Year	Institution	Description
1971	OGS	MDC013 - Gold Deposits of Ontario Part 1 - Ferguson 1971
1979	OGS	MDC018 - Gold Deposits of Ontario Part 2 - Gordon 1979
1980	OGS	OGS conducted airborne electromagnetic in the Swayze area (OGS Map: 80 552 Swayze Area, Three Duck Lakes Sheet)
1981	OGS	OGS Map: Precambrian Geology of Chester and Yeo Townships and Parts of Neville and Potier Townships, Jerome Area 1: 15 840 (Map P.2449. Geology and occurrence descriptions by G.M. Sirigusa 1980)
1993	OGS	Mineral Showings, Occurrences, Deposits and Mines of the Swayze Greenstone Belt, Interim Report V1 & V2 (Open File Report 5871. S. Fumerton and K. Houle)
1993	OGS	Geology, Geochemistry and Mineralization of the Southern Margin of the Swayze Belt (Open File Report 5844. G.M. Siragusa)
1993	OGS	Map: Parts of Chester, Neville, Portier and Yeo Townships 1:15 840 (Open File Map 214. G. Siragusa)
1995	OGS	Mineral Prospects of the Swayze Greenstone Belt V1 & V2 (Open File Report 5912. S. Fumerton & K. Houle)
1996	OGS	GSC funded and flew a series of surveys in the Southern Swayze Greenstone Belt as a contribution to the Canada-Ontario Economic and Regional Development Agreement (1991-1995) (Open File 3169. Surveys include: magnetic and multi-element gamma-ray spectrometry (K-Th-U))
1999	OGS	Map: Geology – Swayze Greenstone Belt, Gogama Sheet 1:50 000 (Open File 3384g (Legend and Legend Descriptors Open File 3384a 1-2). Mapping, interpretation, and compilation from 1992-1998 by K.B. Heather, G.T. Shore, & O. van Breeman)
1999	OGS	Single Master Gravity and Aeromagnetic Data for Ontario – Geosoft® Format. (Geophysical Data Set 1036)
1999	OGS/GSC	Selected Geoscience Data from the NODA Swayze Greenstone Belt GIS Database Project, Superior Province, Ontario (GSC Open File D3770, OGS Miscellaneous Release- Data 047)
1999	OGS/GSC	Selected posters summarizing research results from the Swayze greenstone belt geoscience NODA project (GSC Open File D3771, OGS Miscellaneous Release - Data 048)
2002	OGS	Geological Compilation of the Swayze Area, Abitibi Greenstone Belt (Miscellaneous Release Data 093. Complete with geology and airborne magnetics)
2002	OGS	Map: Geological Compilation of the Swayze Area, Abitibi Greenstone Belt 1:100 000 (Map P.3511. Geological Compilation, interpretation and mineral deposit data by J.A. Ayer, N.F. Trowell & L. Valade)
2010	OGS	Mineral Prospects of the Swayze Greenstone Belt, Ontario (OGS Miscellaneous Release – Data 260/OFR5911-5913. S. Fumerton, K. Houle, G. Archibald)
2017	OGS	Map: Precambrian geology of the Yeo and Chester townships area, Chester intrusive complex, southern Abitibi greenstone belt 1:20 000 (Preliminary Map P.3817, Gemmell, T.P. and MacDonald, P.J.)

**Table 4: Historical Exploration Work**

<b>YEAR</b>	<b>AFRI NO.</b>	<b>Company</b>	<b>Work Performed</b>
1899	n/s	Various	Prospecting including discovery of the original spectacular gold discovery of the eastern shore of Three Duck Lake by Alfred Gosselin in 1931
1935 - 1948	41P12SW0085	Buffalo Shepmac Gold Mines Ltd, Buffalo-Ontario Gold Mining Co, Chesgo Mines Ltd	Compilation and Interpretation - Geology
1935 - 1948	41P12SW0085	Buffalo Shepmac Gold Mines Ltd, Buffalo-Ontario Gold Mining Co, Chesgo Mines Ltd	Compilation and Interpretation - Geology
1948	41P12SW0099	Chesgo Mines Ltd	Diamond Drilling
1957	41P12SW0093	Martin-Bird Gold Mines Ltd	Diamond Drilling
1965	41P12SW0118	E Ruscoe, F Hedley, G Mccurdy, M Manderson	Magnetic / Magnetometer Survey
1965	41P12SW0118	E Ruscoe, F Hedley, G Mccurdy, M Manderson	Magnetic / Magnetometer Survey
1965	41P12SW8459	Chester Minerals Ltd, Gogama Gold Mines Ltd, Shannon Minerals Ltd	Geological Survey / Mapping
1965	41P12SW0117	Chester Minerals Ltd, Gogama Gold Mines Ltd, Shannon Minerals Ltd	Electromagnetic, Magnetic / Magnetometer Survey
1965 - 1966	41P12SW0112	Beaverbridge Mines Ltd	Electromagnetic, Geological Survey / Mapping, Magnetic / Magnetometer Survey
1968	41P12SW0115	Three Duck Gold Mines Ltd	Electromagnetic Very Low Frequency
1970	41P12SW0097	Beaverbridge Mines Ltd	Assaying and Analyses, Diamond Drilling
1970	41P12SW0104	Kings Bridge Mines Ltd	Compilation and Interpretation - Ground Geophysics, Induced Polarization, Resistivity
1971	41P12SW0094	Kingbridge Mines Ltd, Three Duck Gold Mines Ltd	Diamond Drilling
1971	41P12SW0110	Bridge Hill Mines Ltd	Compilation and Interpretation - Geology
1971 - 1973	41P12SW0107	Rockzone Mines Ltd	Assaying and Analyses, Geological Survey / Mapping, Induced Polarization
1971 - 1974	41P12SW0114	Ontario Securities Commission, Viewpoint Expl Ltd	Compilation and Interpretation - Geology, Other
1972	41P12SW0108	Viewpoint Expl Ltd	Induced Polarization, Magnetic / Magnetometer Survey
1973	41P12SW0105	Ontario Securities Commission, Park Precious Metals Inc	Compilation and Interpretation - Ground Geophysics, Other
1973	41P12SW0092	Beaverbridge Mines Ltd, Rockzone Mines Ltd	Assaying and Analyses, Diamond Drilling
1977	41P12SW0090	Texasgulf Canada Ltd	Electromagnetic Very Low Frequency, Magnetic / Magnetometer Survey
1978	41P12SW0088	Texasgulf Canada Ltd	Electromagnetic, Electromagnetic Very Low Frequency
1978	41P12SW0089	Cdn Crest Gold Mines Ltd	Airborne Magnetometer
1979	41P12SW0140	Texasgulf Inc	Assaying and Analyses, Diamond Drilling
1980	41O09NW9161	Hargor Resc Inc, R Blusson	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer
1980	41P12SW0083	Andersen Expl And Assoc, Baxter Minerals Ltd, Cdn Crest Gold Mines Ltd, J P Mccvittie	Airborne Magnetometer, Airborne Radiometric, Assaying and Analyses, Compilation and Interpretation - Diamond Drilling, Prospecting By Licence Holder
1980	41P12SW0080	H Barry, M Watts, Murgold Mines	Airborne Radiometric
1981	41P12SW0004	Murgold Resources Inc	Geological Survey / Mapping, Microscopic Studies
1981	41P12SW0071	Murgold Resources Inc	Electromagnetic Very Low Frequency

1981	41P12SW0071	Murgold Resources Inc	Electromagnetic Very Low Frequency
1982	41P12SW0082	Murgold Resources Inc	Assaying and Analyses, Diamond Drilling
1983	41P12SW0069	Rockwell Mining Corp	Electromagnetic Very Low Frequency, Geological Survey / Mapping
1983 - 1984	41P12SW0002	Murgold Resources Inc	Assaying and Analyses, Diamond Drilling, Electromagnetic Very Low Frequency, Geochemical, Geological Survey / Mapping, Mechanical, Overburden Stripping
1984	41P12SW0999	Chester Minerals Ltd	Assaying and Analyses, Bedrock Trenching, Electromagnetic Very Low Frequency, Geological Survey / Mapping, Induced Polarization, Overburden Stripping
1984	41P12SW0065	Cogama Resc	Geological Survey / Mapping, Induced Polarization
1984 - 1985	41P12SW0061	Murgold Resources Inc	Compilation and Interpretation - Airborne Geophysics, Compilation and Interpretation - Ground Geophysics, Diamond Drilling
1984 - 1985	41P12SW0061	Murgold Resources Inc	Compilation and Interpretation - Airborne Geophysics, Compilation and Interpretation - Ground Geophysics, Diamond Drilling
1985	41P12SW0043	Chester Minerals Ltd	Diamond Drilling
1985	41P12SW0064	Emerald Isle Resc Inc	Electromagnetic Very Low Frequency, Geological Survey / Mapping
1985	41P12SE0507	Blue Falcon Mines Ltd	Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer
1985	41P12SW0050	Gogama Resources Ltd	Diamond Drilling
1985	41P12SW0072	E Blanchard, Gogama Resources Ltd	Diamond Drilling
1986	41P12SW8506	Blue Falcon Mines Ltd	Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer
1986	41P12SW0057	Odyssey Expl Ltd	Assaying and Analyses, Compilation and Interpretation - Ground Geophysics
1987	41P12SW0052	Young-Shannon Gold Mines Ltd	Diamond Drilling
1987	41P12SW0047	Kidd Resources Ltd	Diamond Drilling
1987	41P12SW0059	E Blanchard	Diamond Drilling
1987 - 1988	41P12SW0036	Canorth Resc Inc	Assaying and Analyses, Bedrock Trenching, Diamond Drilling, Electromagnetic Very Low Frequency, Geochemical, Geological Survey / Mapping, Induced Polarization, Magnetic / Magnetometer Survey
1988	41P12SW0031	Isaac Burns Metals Inc	Assaying and Analyses, Bedrock Trenching, Compilation and Interpretation - Ground Geophysics, Mechanical, Overburden Stripping
1988	41P12SW0035	Northquest Ventures Inc, Young-Shannon Gold Mines Ltd	Bedrock Trenching, Diamond Drilling, Other
1988	41P12SW0032	Seaway Base Metals	Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer
1989	41P12SW0029	Murgold Resources Inc	Diamond Drilling
1991	41P12SW0010	Canorth Resc Inc	Assaying and Analyses, Geological Survey / Mapping
1997	41P12SW0040	Nord Pacific Ltd, Young-Shannon Gold Mines Ltd	Assaying and Analyses, Diamond Drilling
1997	41P12SW2001	Nord Pacific Ltd	Assaying and Analyses, Diamond Drilling
1999	41P12SW2003	Young-Shannon Gold Mines Ltd	Assaying and Analyses, Mechanical, Overburden Stripping
2000	41P12SW2005	Young-Shannon Gold Mines Ltd	Mechanical, Overburden Stripping
2001	41P12SW2007	Edward J Blanchard	Assaying and Analyses, Mechanical, Overburden Stripping
2001	41P12SW2006	Emerald Isle Resc Inc	Assaying and Analyses, Mechanical, Overburden Stripping
2002	41P12SW2011	Northville Gold Corp	Diamond Drilling
2002	41P12SW2012	Northville Gold Corp	Diamond Drilling

2002	41P12SW2013	Northville Gold Corp	Diamond Drilling
2002	41P12SW2015	Condor Gold Corp	Diamond Drilling
2002	41P12SW2014	Condor Gold Corp	Diamond Drilling
2004	41P12SW2016	Young-Shannon Gold Mines Ltd	Assaying and Analyses, Diamond Drilling
2005	20000002018	Treelawn Investment Group, Young-Shannon Gold Mines Ltd	Diamond Drilling, Downhole Geophysics, Induced Polarization, Linecutting
2007 - 2008	20000003485	Augen Gold Corp	Assaying and Analyses, Diamond Drilling
2009	20000004318	Trelawney Mining & Exploration Inc	Induced Polarization, Linecutting, Magnetic / Magnetometer Survey
2009 - 2010	20000005559	Augen Gold Corp	Electromagnetic Very Low Frequency, Induced Polarization, Linecutting, Magnetic / Magnetometer Survey
2010	20000006558	Augen Gold Corp	Electromagnetic Very Low Frequency, Induced Polarization, Linecutting, Magnetic / Magnetometer Survey
2010	20000007362	Trelawney Augen Acquisition Corp	Assaying and Analyses, Geochemical
2010 - 2011	20000007118	Trelawney Mining And Exploration Inc	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Database Data
2010 - 2012	20000014959	Trelawney Augen Acquisition Corp	Assaying and Analyses, Diamond Drilling
2011	20000007496	Jvx Ltd	Downhole Geophysics
2011 - 2012	20000007508	Iamgold Corp, Trelawney Augen Acquisition Corp	Assaying and Analyses, Geochemical
2011 - 2012	20000007855	Trelawney Mining And Exploration Inc	Diamond Drilling
2011 - 2013	20000009012	Trelawney Augen Acquisition Corp	Assaying and Analyses, Diamond Drilling
2012	20000008395	Trelawney Mining And Exploration Inc	Induced Polarization, Line cutting, Magnetic / Magnetometer Survey
2012	20000008648	986813 Ontario Limited	Assaying and Analyses, Geological Survey / Mapping, Prospecting By Licence Holder
2012 - 2015	20000009116	Trelawney Mining And Exploration Inc	Assaying and Analyses, Diamond Drilling
2013 - 2015	20000014665	Trelawney Mining & Exploration Inc	Assaying and Analyses, Diamond Drilling
2014 - 2016	20000014649	Trelawney Mining and Exploration Inc	Assaying and Analyses, Diamond Drilling
2015 - 2016	20000014648	Iamgold Corp, Trelawney Mining And Exploration Inc	Assaying and Analyses, Diamond Drilling
2017	20000017018	Iamgold Corporation	Assaying and Analyses, Diamond Drilling
2017	20000017027	Iamgold Corporation	Assaying and Analyses, Channel Sampling, Diamond Drilling, Mechanical
2017 - 2018	20000016977	Iamgold Corporation	Assaying and Analyses, Diamond Drilling
2018-2019	20000019364	Iamgold Corporation	Assaying and Analyses, Diamond Drilling
2018-2019	20000018661	Iamgold Corporation	Assaying and Analyses, Diamond Drilling, Geological Survey / Mapping, Rock Sampling
2019-2020	20000018612	Iamgold Corporation	Assaying and Analyses, Channel Sampling, Drill Core Re-logging, Geological Survey / Mapping, Overburden Stripping, Prospecting, Rock Sampling

## 6.0 Recent Exploration Work

More recently, between 2010 and 2012, Trelawney Mining & Exploration conducted systematic mapping and sampling of the area which culminated in the verification of historical occurrences as well as additional mechanized stripping and channel sampling. Following Trelawney Mining & Exploration's buyout by IAMGOLD in 2012, intermittent infill geological mapping and sampling was conducted in the general area from 2013-2019. In 2015, the original Gosselin discovery showing and associated pit (7 x 5 x 4.5 m deep) was re-stripped and slightly extended, exposing the zone which was subsequently channel sampled. Between 2016 and 2017, IAMGOLD drilled five holes totaling 2,711 m of drilling directly targeting the narrow vein system recently re-exposed. It was part of this drilling in 2017 that discovered wide intervals of gold mineralization which could be indicative of a bulk tonnage system. Lastly, in 2019, additional infill mapping, extensive manual stripping and channel sampling was completed by IAMGOLD in the Gosselin – Young Shannon area.

## 7.0 The Gosselin Drilling program: 2019 to 2020

### 7.1 Diamond Drilling Program

Drilling took place on the Gosselin zone between October 22<sup>nd</sup>, 2019 and December 8<sup>th</sup>, 2020, including a hiatus from March 26<sup>th</sup>, 2020 to August 8<sup>th</sup>, 2020 for Covid-19 safety measures. A total of 13,735 metres of core were drilled over the duration of the program: 8 were drilled over Three Duck Lake on a constructed flood ice pad, 17 were drilled via a barge on Three Duck Lake, and 8 were drilled on land. Dan Patrie Exploration constructed the ice pads, supervised by IAMGOLD. Flood ice was created by Dan Patrie Exploration commencing Dec 18<sup>th</sup>, 2019 and ending March 30<sup>th</sup>, 2020. Dan Patrie Exploration personnel also maintained and plowed the ice pad and ramps throughout the duration of the program.

Drilling was completed across two mining licence of occupation claims: MLO-10658 (41.71%), MLO-10660 (5.56%) and four patents: PAT-11117 (31.77%), PAT-11121 (4.53%), PAT-11126 (2.28%) and PAT-11127 (14.14%). Percentages in brackets for each mining unit constitutes how much drilling took place across that specific unit within this report. Figure 5 shows the position of each drill-hole with respect to each mining tenure land unit.

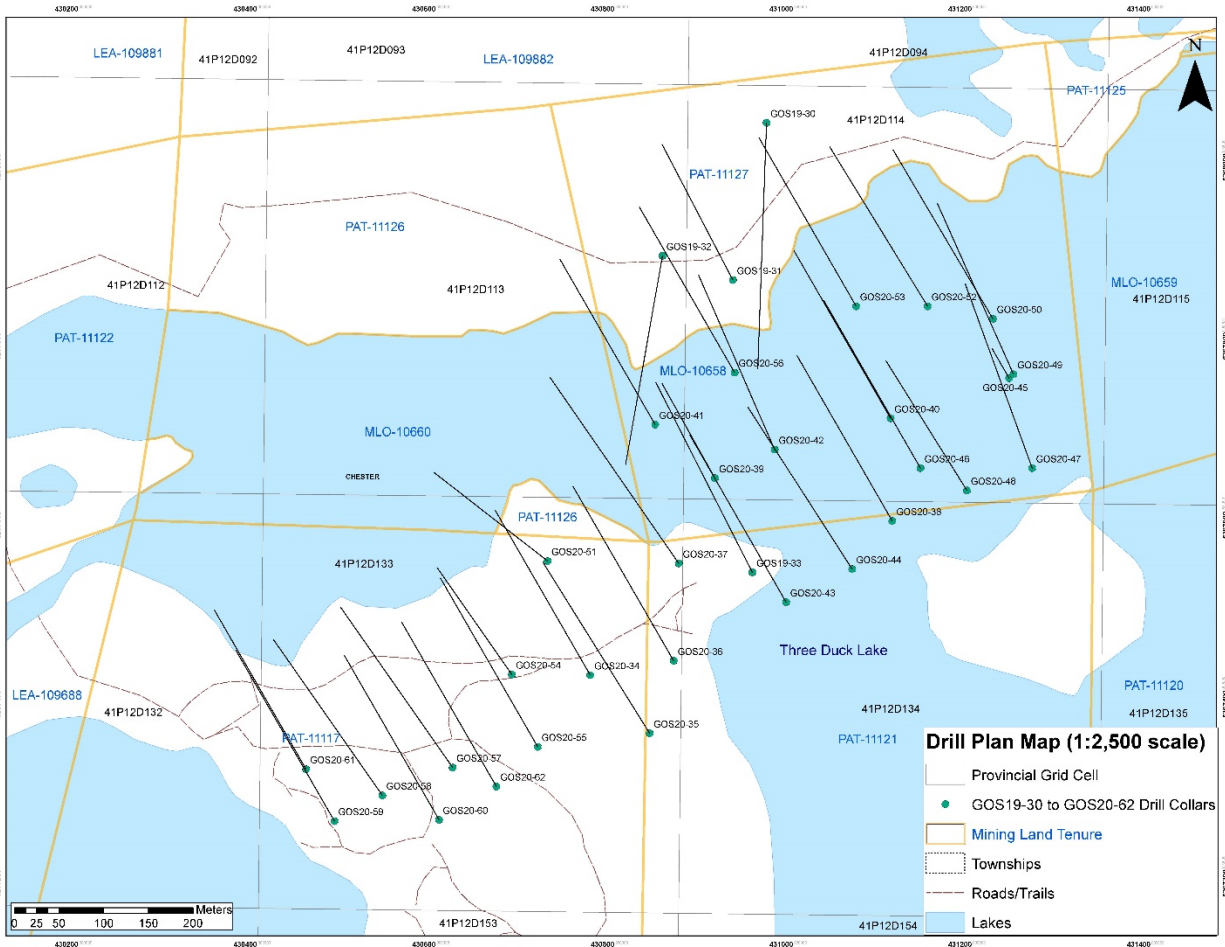
### 7.2 Technical Aspects of the Diamond Drilling Programs

Two drilling contractors were used over the duration of the drill program. NPLH Drilling from Timmins, Ontario, drilled holes GOS19-34 to GOS20-45. Chenier Drilling from Val Caron, Ontario, drilled the remainder of the drill holes (GOS20-46 to GOS20-62).

NPLH used two types of diamond drills while diamond drilling on the property; the hydraulic Marcotte Inc. HTM 2500 for the land based holes and two hydraulic A5 drills by Zinex Mining Corp for the ice based holes, due to being lightweight and portable. All land-based and ice-based drill core was NQ in size to a maximum downhole depth of 534 m (GOS19-30).

Drill-holes completed by Chenier drilling utilized a hydraulic drill (Hydracore 2000) with NQ size utilized on land and ice based drill holes, and BQTW sized drill core on barge based drill-holes.

The drills were initially aligned by an IAMGOLD geologist using front and back sites with a SUUNTO compass and then further refined with a Reflex North Finder APS when the drill was on the pad. Core was oriented every three metres during drilling using a Reflex Act III RD orientation instrument and was subsequently aligned by IAMGOLD geotechnicians once it was delivered to IAMGOLD's core shack. The downhole orientation and deviation of each drill-hole was monitored using a Reflex EZ-Trac unit taking single-shot measurements while the holes were in progress, and multi-shot upon completion, every three metres. On average, collar tests were taken 12 m from the toe of the drill casing to reduce any magnetic interference and then every 50 metres after the initial collar test until the end of the hole. Core recovery was overall good. Upon completion of the lake ice drill holes, casings were pulled and cemented for 50-75 metres as per Ontario mining regulations.



**Figure 5: Drill collar location plan map with mining tenure boundaries (1:2,500 scale)**

Holes GOS19-30 to 33 and GOS20-34-37 comprised land-based holes targeted as 70-m infill holes. GOS20-38-62 were barge-based 70-m infill holes.

### 7.3 Location of drill holes

Drill-hole collars were initially positioned using a handheld Garmin 64s GPS with  $\pm 3$  m accuracy. Tulloch Geomatics was contracted to complete a final drill casing survey using a Trimble R10 GPS receiver in Real Time Kinematic mode. The accuracy of the unit is within  $\pm 0.03$  m both vertically and horizontally. Since all of the ice based and barge based holes had their casings pulled in accordance with local mining regulations, the collar location initially positioned using a handheld Garmin GPS was further corrected for its final position using Tulloch Geomatics prior to drilling. All final surveyed coordinates have been used for the vertical sections, drill log headers and any plan maps for this report.



The land based collar casings remain in good condition, monumented with cribbing and flagged for easy future locating. Land-based drill collars have been retained for possible deepening in the future. Exceptions to this are in areas where Côté Mine construction warrants proper DDH decommissioning.

#### 7.4 Drill hole Information

A summary of drill-hole information is provided in Table 6 below with UTM coordinates in NAD 83, Zone 17. Note that the drill holes were sampled from top to bottom with the exception of several intervals of diabase and mafic dikes which are known to be barren. All samples collected were assayed.

**Table 6: Summary of Drill-hole Information**

Hole ID	Collar Positi	UTM Easting	UTM Northing	Elev. (m)	Claim (Collar)	Provincial Cell Gri	Start Date	End Date	Colar Dip	Collar Az	Depth	Core Size	No. of Samples/ Assa
GOS19-30	Land	430975.61	5268041.93	388.6	PAT-11127	41P12D114	22-Oct-19	29-Oct-19	-59.0	182.0	534	NQ	618
GOS19-31	Land	430938.03	5267866.19	382.5	PAT-11127	41P12D114	29-Oct-19	05-Nov-19	-65.4	332.4	411	NQ	470
GOS19-32	Land	430859.22	5267893.37	385.6	PAT-11127	41P12D113	05-Nov-19	13-Nov-19	-60.0	190.0	474	NQ	544
GOS19-33	Land	430959.87	5267539.55	383.1	PAT-11121	41P12D134	13-Nov-19	19-Nov-19	-60.0	333.0	476	NQ	548
GOS20-34	Land	430778.47	5267424.64	391.8	PAT-11117	41P12D133	21-Jan-20	31-Jan-20	-60.0	330.0	426	NQ	365
GOS20-35	Land	430844.93	5267359.63	390.2	PAT-11121	41P12D133	31-Jan-20	06-Feb-20	-58.0	328.0	426	NQ	461
GOS20-36	Land	430871.76	5267440.75	382.6	PAT-11121	41P12D133	07-Feb-20	11-Feb-20	-60.0	330.0	450	NQ	516
GOS20-37	Land	430877.49	5267549.49	381.7	PAT-11121	41P12D133	12-Feb-20	21-Feb-20	-60.3	325.3	510	NQ	560
GOS20-38	Ice	431116.50	5267597.02	381.0	PAT-11121	41P12D134	23-Feb-20	03-Mar-20	-60.0	330.0	426	NQ	481
GOS20-39	Ice	430917.98	5267644.91	381.0	MLO-10658	41P12D114	01-Mar-20	07-Mar-20	-60.3	330.7	244	NQ	265
GOS20-40	Ice	431114.51	5267711.76	381.0	MLO-10658	41P12D114	03-Mar-20	11-Mar-20	-60.0	330.0	432	NQ	462
GOS20-41	Ice	430851.11	5267704.76	381.0	MLO-10658	41P12D113	08-Mar-20	15-Mar-20	-60.0	330.0	426	NQ	499
GOS20-42	Ice	430984.81	5267676.83	381.1	MLO-10658	41P12D114	12-Mar-20	19-Mar-20	-59.8	336.4	423	NQ	442
GOS20-43	Ice	430997.79	5267506.26	381.0	PAT-11121	41P12D134	15-Mar-20	22-Mar-20	-60.0	330.0	432	NQ	485
GOS20-44	Ice	431071.61	5267543.16	381.0	PAT-11121	41P12D134	19-Mar-20	26-Mar-20	-60.5	327.2	438	NQ	490
GOS20-45	Ice	431247.19	5267756.64	381.0	MLO-10658	41P12D114	22-Mar-20	23-Mar-20	-60.0	330.0	76	NQ	42
GOS20-46	Barge	431148.00	5267656.00	380.7	MLO-10658	41P12D114	08-Aug-20	20-Aug-20	-60.0	330.0	432	BQTW	488
GOS20-47	Barge	431273.00	5267656.00	380.6	MLO-10658	41P12D114	20-Aug-20	27-Aug-20	-60.0	340.0	438.3	BQTW	485
GOS20-48	Barge	431200.00	5267631.00	380.6	MLO-10658	41P12D114	27-Aug-20	02-Sep-20	-66.0	328.0	421.31	BQTW	466
GOS20-49	Barge	431252.00	5267761.00	380.5	MLO-10658	41P12D114	03-Sep-20	11-Sep-20	-61.0	336.0	430.47	BQTW	480
GOS20-50	Barge	431229.00	5267823.00	380.7	MLO-10658	41P12D114	11-Sep-20	18-Sep-20	-59.9	329.4	437.28	BQTW	489
GOS20-51	Barge	430730.52	5267552.32	388.2	PAT-11117	41P12D133	17-Sep-20	01-Oct-20	-67.8	307.9	425.68	BQTW	401
GOS20-52	Barge	431156.00	5267837.00	380.6	MLO-10658	41P12D114	19-Sep-20	29-Sep-20	-60.5	328.4	424.66	BQTW	466
GOS20-53	Barge	431076.00	5267837.00	380.6	MLO-10658	41P12D114	30-Sep-20	12-Oct-20	-60.0	330.0	435	BQTW	484
GOS20-54	Barge	430690.61	5267425.63	394.5	PAT-11117	41P12D133	01-Oct-20	07-Oct-20	-58.0	325.0	275	BQTW	301
GOS20-55	Barge	430719.56	5267344.66	399.6	PAT-11117	41P12D133	07-Oct-20	17-Oct-20	-60.0	330.0	435	BQTW	504
GOS20-56	Barge	430940.00	5267763.00	380.6	MLO-10658	41P12D114	13-Oct-20	22-Nov-20	-60.0	330.0	426.5	BQTW	481
GOS20-57	Barge	430624.33	5267321.53	399.3	PAT-11117	41P12D133	17-Oct-20	28-Oct-20	-59.0	325.0	424	BQTW	462
GOS20-58	Barge	430545.66	5267290.56	394.4	PAT-11117	41P12D133	28-Oct-20	06-Nov-20	-60.0	325.0	425	BQTW	487
GOS20-59	Barge	430491.97	5267261.69	389.9	PAT-11117	41P12D133	06-Nov-20	16-Nov-20	-59.0	330.0	427.5	BQTW	502
GOS20-60	Barge	430609.05	5267263.13	396.8	PAT-11117	41P12D133	16-Nov-20	22-Nov-20	-60.0	330.0	424.36	BQTW	489
GOS20-61	Barge	430460.33	5267319.75	390.2	PAT-11117	41P12D133	22-Nov-20	30-Nov-20	-61.0	330.0	424.5	BQTW	488
GOS20-62	Barge	430673.32	5267300.38	401.4	PAT-11117	41P12D133	01-Dec-20	08-Dec-20	-60.0	330.0	424.5	BQTW	493

### 7.5 Drill Core Processing and Procedures:

The drilling contractor (NPLH or Chenier) delivered the drill core to the IAMGOLD Côte Gold core shack twice daily (after each shift) in secured wooden core boxes. The core boxes were then opened and laid out in sequence by IAMGOLD geologists and geotechnicians. A geologist would then perform a brief summary log of the drill core.

The drill core was aligned by geotechnicians using the orientation lines located at the end of every three meter run, and a single line denoting the orientation (bottom of hole) was drawn. A geotechnician then took geotechnical measurements of the drill core to record core recovery, RQD (Rock Quality Designation) and place meter markings on the drill core.

A geologist from IAMGOLD was then tasked with performing geological core logging of each drill-hole. The drill-holes were logged using an Access Database core logger software. The core logging geologist would use the software to record the different lithological units down-hole as well as observations on mineralization, alteration and veining. The geologist was also responsible for selecting and marking intervals for drill core sampling. Note that the entire drill hole was sampled from top to bottom with the exception of several barren dike units. Once logging was completed, the geologist took pictures of the core using a Canon T3i SLR camera.

Following core logging, the drill core was transported to the core cutting room. The technicians cut the drill core in half for the entirety of the drill-hole and place it back on the racks for sampling. The samplers placed half of the cut core in a pre-labeled sample bag along with the respective half of the sample tag, and the bag was stapled shut. The other half of the drill-core was left in place in the core box and the remaining half of the sample tag was stapled to the core box at the start of the sample. The samplers would also insert Certified Reference Material (CRMs) and blanks in labeled sample bags when indicated to do so (section 8.1). Field duplicates were taken every 20 samples, meaning the second half of core was sampled and sent for assay to compare gold variability. The samples were placed in labeled rice bags with plastic security tags which were then transported to Actlabs in Timmins or North Bay. The transportation of core was completed by both IAMGOLD personnel as well as a courier called Quality Contracting. Core processing and final sample delivery for the drill program was completed on December 15<sup>th</sup>, 2020.

## 7.6 Personnel

The drill program was carried out by IAMGOLD Corp. personnel and contractors from Dan Patrie Exploration. Alan Smith, Brad McKinley, Brian Tomczuk, Laura Katz, and Caitlin Beland supervised the drill program from planning to demobilization. Table 7 lists all personnel that were involved during planning, execution of the drill programs and subsequent core processing. This list does not detail the contract personal from NPLH Drilling or Chenier Drilling.

This work was conducted at the Côté Gold Exploration camp on Mesomikenda Lake road and all split drill core from these programs are stored in IAMGOLD core farms on the property.

**Table 7:** Personnel involved in the Gosselin Area drill programs and lake ice pad creation

<b>Name</b>	<b>Role</b>	<b>Location</b>
<i>IAMGOLD Corp.</i>		
Alan Smith	District Manager-Exploration	Sudbury, ON
Brad McKinley	Senior Geologist-Exploration	Sudbury, ON
Brian Tomzcuk	Project Geologist	St. Catharines, ON
Caitlin Beland	Geologist	Sudbury, ON
Laura Katz	Geologist	Sudbury, ON
Laurent Gauchat	Geologist	Montreal, QC
Andrew Shea	Junior Geologist	Sudbury, ON
Erik Bobechko	Junior Geologist	Keswick, ON
Justin Bisailon	Junior Geologist	Hanmer, ON
Brian Wright	Geotechnician	Markstay, ON
Calvin Naveau	Geotechnician	Mattagami, ON
Channing Graham	Geotechnician	Mattagami, ON
Claude Constant	Geotechnician	Gogama, ON
Cody Constant	Geotechnician	Gogama, ON
Doreen Luke	Geotechnician	Mattagami, ON
Dylan Depatie	Geotechnician	Sudbury, ON
Jessica Rinta	Geotechnician	Manitoulin Island, ON
Madeline Lawson	Geotechnician	Geraldton, ON
Michael Gregoire	Geotechnician	Mattagami, ON
Shayne Young	Geotechnician	Gogama, ON
Yvon Constant	Geotechnician	Gogama, ON
<i>Dan Patrie Exploration</i>		
Brent Patrie	Owner	Val Therese, ON
Gab Roy	Field Supervisor - Ice	Smooth Rock Falls, ON
Justin Abramson	Field Supervisor - Ice	Sudbury, ON
Colin Sherrington	Field Technician - Ice	Massey, ON
Dayland Patrie	Field Technician - Ice	Massey, ON
Jesse Burgess	Field Technician - Ice	Elliot Lake, ON
Jimmy Patrie	Field Technician - Ice	Massey, ON
John Moulton	Field Technician - Ice	Elliot Lake, ON
Kieran Murray	Field Technician - Ice	Massey, ON
Robert Kippax	Field Technician - Ice	Sudbury, ON
Ronnie Bilton	Field Technician - Ice	Massey, ON
Terrance Murray	Field Technician - Ice	Massey, ON
Tom McNaughton	Field Technician - Ice	Spanish, ON

## 8.0 Analytical Methods & QA/QC

### 8.1 Summary

This section provides assay and QA/QC information for the Gosselin drill campaign that took place between October 22<sup>nd</sup>, 2019 and April 9th, 2021. The drilling program totaled 15,214 samples including 677 blanks, 538 certified reference materials and 759 duplicates. All of these samples were sent to Actlabs in Timmins, Ontario, for processing in 62 different batches. This does not include 5 samples sent for pulp re-assay. These re-runs were requested and the material was already at Actlabs.

While geological logging took place, a quality control sample was inserted every 12<sup>th</sup> sample. This consisted of alternating a certified blank material and then a certified reference material in sample batches of 100. Additionally, when visible gold was noted by the geologist, a certified blank material (coarse silica) was inserted immediately following the sample containing visible gold. Coarse silica blanks were inserted directly following a high grade core sample to check for contamination during the crushing stage of preparation. Duplicates were also taken every 20 samples in order to study variability in the gold distribution. Each duplicate consisted of the second half of the split core and a metal tag was placed in core box to denote it as such.

All samples were sent for fire assay with over-limit instructions to Actlabs in Timmins or Ancaster, Ontario. Sample preparation by crushing and pulverizing was done at both the Timmins and the North Bay Actlabs facilities. Actlabs is an accredited testing laboratory and one of the first mineral labs in the world to achieve ISO 17025 accreditation with CAN-P-1579 (Mineral Lab) and CAN-P-1578 (forensic lab). In addition to ISO 17025 accreditation, Actlabs is accredited/certified to ISO 9001:2015, Health Canada Licensed, FDA registered and inspected, OMAFRA accredited, and GMP/GLP compliant. Table 8 summarizes sample shipment details.

### 8.2 Sample Preparation

Samples were sent to Actlabs in Timmins and North Bay, Ontario, by IAMGOLD in rice bags affixed with plastic security tags. Once received, preparation (Actlabs – RX1) consisted of coarse crushing of the entire sample up to 80% passing 2.0 mm screen, mechanical riffle split to obtain a representative sub-sample (250 g) and then pulverizing to 95% passing 105 µm. All steel mills used are mild steel and do not introduce Cr or Ni contamination. Quality of crushing and pulverization is routinely checked by Actlabs as part of their quality assurance program.

### 8.3 Gold Analysis

Actlabs fire assay procedure as requested by IAMGOLD on each chain of custody form are detailed below (Actlabs website). For gold fire assay, IAMGOLD requests over-limits of between 3-5 g/t Au for 1A3-50 and results exceeding 5 g/t Au for 1A4-500. Assay certificates can be found in Appendix B:

*1A2 – (1A2-50) Au Fire Assay - AA*

## Fire Assay Fusion

A sample size of 30 g for rock pulps is used. The sample is mixed with fire assay fluxes (borax, soda ash, silica, litharge) and with silver added as a collector and the mixture is placed in a fire clay crucible. The mixture is then preheated at 850°C, intermediate 950°C and finish 1060°C with the entire fusion process lasting 60 minutes. The crucibles are then removed from the assay furnace and the molten slag (lighter material) is carefully poured from the crucible into a mould, leaving a lead button at the base of the mould. The lead button is then placed in a preheated cupel which absorbs the lead when cupelled at 950°C to recover the silver (doré bead) + gold.

## AA Finish

The entire Ag doré bead is dissolved in aqua regia and the gold content is determined by AA (Atomic Absorption). Atomic absorption is an instrumental method of determining element concentration by introducing an element in its atomic form, to a light beam of appropriate wavelength causing the atom to absorb light. The reduction in the intensity of the light beam directly correlates with the concentration of the elemental atomic species. On each tray of 42 samples, there are two blanks, three sample duplicates and two certified reference materials; one high and one low (QC 7 out of 42 samples). Actlabs generally re-runs all gold by fire assay gravimetric over 5,000 ppb to ensure accurate values.

**Table 8:** Sample Shipment Details

AREA	Sample SERIES	ASSAY MATERIAL TYPE	TOTAL ICP	TOTAL ALL SAMPLES	ASSAY PACKAGE	LAB USED	DATE SENT TO LAB	LAB REF NUMBER
1) Gosselin DDH Batch 1 (30 and 31)	811551-811760, 810501-580	Drill Core		290	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Nov 8.2019	A19-15281
2) Gosselin DDH Batch 2 (30)	811761-812000, 1082001-1082030	Drill Core		270	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Nov 20.2019	A19-15816
3) Gosselin DDH Batch 3 (30)	1082031-1082168	Drill Core		138	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Nov 22.2019	A19-15931
4) Gosselin DDH Batch 4 (31)	810581-810700	Drill Core		120	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Nov 22.2019	A19-15932
5) Gosselin DDH Batch 5 (31)	810701-810810	Drill Core		110	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Nov 26.2019	A19-16100
6) Gosselin DDH Batch 6 (32)	1082169-1082320	Drill Core		152	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Nov 26.2019	A19-16101
7) Gosselin DDH Batch 7 (31 and 32)	810811-810970, 1082321-1082530	Drill Core		370	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Dec 4.2019	A19-16581
8) Gosselin DDH Batch 8 (32 and 33)	1082531-1082712, 1083501-1083700	Drill Core		382	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Dec 10.2019	A19-16893
9) Gosselin DDH Batch 9 (33)	1083701-1084048	Drill Core		348	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Dec 12.2019	A19-17058
1) GOS20-34 (batch 1)	858251-858460	Drill Core		210	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Feb 7.2020	A20-01590
2) GOS20-34 (batch 2)	858461-858500, 455051-455165	Drill Core		155	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Feb 10.2020	A20-01650
3) GOS20-36 (batch 1)	1079001-1079360	Drill Core		360	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Feb 21.2020	A20-02147
4) GOS20-35 (Full hole)	1075001-1075461	Drill Core		461	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Feb 24.2020	A20-02154

5) GOS20-36 (batch 2)	1079361-1079516	Drill Core		156	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Mar 4.2020	A20-02643
6) GOS20-37 (batch 1)	455166-455400	Drill Core		226	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Mar 4.2020	A20-02642
7) GOS20-37 (batch 2)	455401-455500, 842251-350, 1080001-1080080	Drill Core		280	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	March 12.2020	A20-03067
8) GOS20-38 (batch 1)	1077001-170 + 1077179	Drill Core		171	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	March 18.2020	A20-03276
9) GOS20-37 (batch 3)	1080081-1080134	Drill Core		54	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	March 25.2020	A20-03608
10) GOS20-38 (batch 2)	1077171-1077310 (except no 1077179)	Drill Core		139	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	March 25.2020	A20-03607
11) GOS20-38 (batch 3)	1077311-1077481	Drill Core		171	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	March 27.2020	A20-03698
13) GOS20-39 (Full Hole)	1075501-1075765	Drill Core	265	265	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	June 26.2020	A20-06718
14) GOS20-40 (batch 1)	1079517-1079750	Drill Core	234	234	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	June 26.2020	A20-06719
15) GOS20-40 (batch 2)	1079751-1079978	Drill Core	228	228	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	July 3.2020	A20-07078
16) GOS20-41 (batch 1)	1078001-1078300	Drill Core	300	300	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	July 3.2020	A20-07076
17) GOS20-41 (batch 2)	1078301-1078499	Drill Core	199	199	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	July 10.2020	A20-07443
18) GOS20-42 (batch 1)	1083001-1083360	Drill Core	360	360	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	July 10.2020	A20-07445
19) GOS20-42 (batch 2)	1083361-1083442	Drill Core	82	82	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	July 16.2020	A20-07986
20) GOS20-43 (Full Hole)	1075766-1076250	Drill Core	485	485	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	July 16.2020	A20- 07984Rev
21) GOS20-44 (Full Hole)	1084501-1084990	Drill Core	490	490	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	July 23.2020	A20-08139
22) GOS20-45 (Full Hole)	784951-784992	Drill Core	42	42	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	July 23.2020	A20-08142
2) GOS20-46 (Full Hole)	255501-255988	Drill Core	488	488	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Sept 9.2020	A20- 10870
3) GOS20-47 (Batch 1)	255001-255150	Drill Core	150	150	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Sept 9.2020	A20- 10871
4) GOS20-47 (Batch 2)	255151-255485	Drill Core	335	335	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Sept 18.2020	A20-11325
5) GOS20-48 (Batch 1)	256001-256300	Drill Core	300	300	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Sept 18.2020	A20-11328
6) GOS20-48 (Batch 2)	256301-256466	Drill Core	166	166	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Sept 25.2020	A20-11683
7) GOS20-49 (Full Hole)	255486-500, 254501-965	Drill Core	480	480	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Sept 25.2020	A20-11711
8) GOS20-50 (Full Hole)	256467-256500, 1083451-1083500, 1081501-1081900	Drill Core	484	484	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Oct 2.2020	A20-12112
9) GOS20-51 (Batch 1)	254966-255000, 256501-256580	Drill Core	115	115	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Oct 2.2020	A20-12113
10) GOS20-51 (Batch 2)	256581-256866	Drill Core	286	286	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Oct 14.2020	A20-12698
11) GOS20-52 (Full Hole)	260001-260466	Drill Core	466	466	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Oct 14.2020	A20-12699

12) GOS20-53 (Full Hole)	260467-260500, 256867-257000, 1076355-1076500, 258501-258670	Drill Core	484	484	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Oct 23.2020	A20-13326
13) GOS20-54 (Batch 1)	259501-259680	Drill Core	180	180	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Oct 23.2020	A20-13332
15) GOS20-54 (Batch 2)	259681-259801	Drill Core	121	121	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Oct 30.2020	A20-13801
16) GOS20-55 (Batch 1)	257001-257430	Drill Core	430	430	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Oct 30.2020	A20-13797
17) GOS20-55 (Batch 2)	257431-257504	Drill Core	74	74	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Nov 9.2020	A20-14394
18) GOS20-56 (Full Hole)	259001-259481	Drill Core	481	481	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Nov 9.2020	A20-14397
19) GOS20-57 (Batch 1)	257505-257630	Drill Core	126	126	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Nov 9.2020	A20-14399
20) GOS20-57 (Batch 2)	257631-257966	Drill Core	336	336	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Nov 19.2020	A20-14921
21) GOS20-58 (Batch 1)	258001-258150	Drill Core	150	150	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Nov 19.2020	A20-14920
23) GOS20-58 (Batch 2)	258151 - 258487	Drill Core	337	337	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Nov 26.2020	A20-15211
24) GOS20-59 (Batch 1)	258701 - 258900	Drill Core	200	200	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Nov 26.2020	A20-15210
25) GOS20-59 (Batch 2)	258901-259000, 259802-260000, 258488-490	Drill Core	302	302	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Dec 4.2020	A20-15598
26) GOS20-60 (Batch 1)	258491-258500, 261001-261300	Drill Core	310	310	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Dec 4.2020	A20-15608
28) GOS20-60 (Batch 2)	261301-261479	Drill Core	179	179	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Dec 8.2020	A20-15890
29) GOS20-61 (Batch 1)	261501-261700	Drill Core	200	200	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Dec 8.2020	A20-15892
30) GOS20-61 (Batch 2)	261701-261988	Drill Core	288	288	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Dec 10.2020	A20-15895
30a) GOS20-50 Additional	260994-260998	Drill Core		5	1A2-FA, 1A3-50, 1A4-500	Actlabs - Timmins	Dec 12.2020	A20-15981
31) GOS20-62 (Full Hole)	260501-260993	Drill Core	493	493	1A2-FA, 1A3-50, 1A4-500 and 8 – 4-Acid ICP-OES	Actlabs - Timmins	Dec 15.2020	A20-16218

### 1A3 (1A3-50) – Au Fire Assay – Gravimetric

#### Fire Assay

A sample size of 30 g for rock pulps is used. The sample is mixed with fire assay fluxes (borax, soda ash, silica, litharge) and with silver added as a collector and the mixture is placed in a fire clay crucible. The mixture is then preheated at 850°C, intermediate 950°C and finish 1060°C with the entire fusion process lasting 60 minutes. The crucibles are then removed from the assay furnace and the molten slag (lighter material) is carefully poured from the crucible into a mould, leaving a lead button at the base of the mould. The lead button is then placed in a preheated cupel which absorbs the lead when cupelled at 950°C to recover the silver (doré bead) + gold.



Gold is separated from the silver in the doré bead by parting with nitric acid. The resulting gold flake is annealed using a torch. The gold flake remaining is weighed gravimetrically on a microbalance.

#### *1A4 (1A4-500) – Au Fire Assay – Metallic Screen*

##### **Metallic Screen**

A representative 500 g split is sieved at 100 mesh (149 µm) with fire assays performed on the entire +100 mesh and 2 splits on the -100 mesh fraction. The total amount of sample and the +100 mesh and -100 mesh fraction is weighed for assay reconciliation. Measured amounts of cleaner sand are used between samples and saved to test for possible plating out of gold on the mill. Alternative sieving mesh sizes are available but the user is warned that the finer the grind the more likelihood of gold loss by plating out on the mill.

##### **Fire Assay**

A sample size of 30 g for rock pulps is used. The sample is mixed with fire assay fluxes (borax, soda ash, silica, litharge) and with silver added as a collector and the mixture is placed in a fire clay crucible. The mixture is then preheated at 850°C, intermediate 950°C and finish 1060°C with the entire fusion process lasting 60 minutes. The crucibles are then removed from the assay furnace and the molten slag (lighter material) is carefully poured from the crucible into a mould, leaving a lead button at the base of the mould. The lead button is then placed in a preheated cupel which absorbs the lead when cupelled at 950°C to recover the silver (doré bead) + gold.

Gold is separated from the silver in the doré bead by parting with nitric acid. The gold (roasting) flake remaining is weighed gravimetrically on a microbalance. Two splits on the -150 micron fraction are weighted and analyzed by fire assay with a gravimetric finish. A final assay is calculated based on the weight of each separated fraction and obtained gold values.

## 8.4 Quality Assurance and Control

### *IAMGOLD*

IAMGOLD sent a total of 15,214 samples including 677 blanks and 538 certified reference materials and 759 duplicates to Actlabs in Timmins, Ontario, in 61 separate batches. An additional five samples were sent for pulp re-assay due to failed standards. These pulps were requested to be re-assayed as per IAMGOLD protocols when failure of certified blank or reference material is reported. IAMGOLD requests that 15 samples up and 15 samples down from the failure be re-assayed and compared to the original data.

Blank material consisting of 300 g packets of up to ¼" certified coarse crush silica blank were used. This material was purchased in bulk and then measured out by IAMGOLD personnel. The certified

standards used during the drilling campaign were OREAS 501c, OREAS 502c, OREAS 503c, OREAS 503d, OREAS 504b, OREAS 504c, and OREAS 507. Mean gold values for the standards ranged from 0.176 g/t Au to 1.586 g/t Au. All certified blank and reference material was purchased from Analytical Solutions Ltd. in Sudbury, Ontario.

Standard	Mean Au (ppm)	Standard Deviation Au (ppm)	Lower Au Limit	Upper Au Limit	Relative Standard Deviation	Count	Failures	Failure Rate
OREAS 501c	0.222	0.008	0.198	0.246	3.6%	124	5	4.0%
OREAS 502c	0.484	0.017	0.434	0.536	3.5%	114	2	1.8%
OREAS 503c	0.685	0.021	0.622	0.747	3.0%	82	1	1.2%
OREAS 503d	0.666	0.016	0.618	0.714	2.4%	36	2	5.6%
OREAS 504b	1.586	0.052	1.430	1.742	3.3%	64	2	3.1%
OREAS 504c	1.471	0.050	1.321	1.621	3.4%	88	3	3.4%
OREAS 507	0.176	0.006	0.157	0.195	3.5%	30	7	23.3%

**Table 9:** CRM Performance Summary

Overall the QA/QC results are good with low rates of failure with the exception of OREAS 507. We believe this higher failure rate to be a technician or logger error as we believe several of the failed standards to actually be insertion of OREAS 501c rather than OREAS 507. Out of 677 blanks, there were six failures for a rate of 0.89 %. Out of 538 Standards (CRMs), there were 22 failures for a rate of 4.09%. Quality control charts are included in Appendix E.

#### *Actlabs*

Actlabs conducts in house quality control and quality assurance protocols and at the request of the client will issue blank and certified reference material certificates. Only internal laboratory quality control materials were used for the gravimetric and pulp metallic screen analysis.

## 9.0 Results

### 9.1 Summary

Thirty-three diamond drill holes were successfully drilled into the Gosselin gold deposit over the period of the drilling reported on in this report. A plan map showing the location of the drill hole collar and traces with respect to mining land tenure is found in Appendix C. The detailed drill logs can be found in Appendix A and the assay results are found in both the drill logs as well as assay certificates in Appendix B. Vertical cross sections can be found in Appendix D.

### 9.2 Drill-hole Results

Overall, the results from both phases of drilling within this report were successful in further delineating the Gosselin zone. The majority of the drill-holes intersected consistent gold over wide intervals hosted mainly within altered tonalite and hydrothermal breccia. These gold bearing zones are generally characterized as having moderate to strong hydrothermal alteration (silica-albite, sericite and chlorite-biotite) with associated disseminated, fracture and vein hosted pyrite ± chalcopyrite. Many of the holes also intersect classic Chester intrusive style narrow gold bearing quartz-carbonate-chlorite-biotite-pyrite+/-chalcopyrite, pyrrhotite veins throughout as well.

## 10.0 Conclusions

The drilling campaign was successful in further defining / in-filling the Gosselin zone with a total of 13,735 m being drilled.

## 11.0 Recommendations

Additional diamond drilling is warranted on the Gosselin zone to further delineate its extent and to complete sufficient in-fill drilling to allow for a maiden Resource Estimate. Additional drilling will also help refine the geological model and controls on the mineralization. This work and additional data will also allow refinement of targeting criteria to assist in discovery of additional Au mineralization.

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**Jillian Craig, B.Sc., P.Geo**

I, Jillian Craig, do hereby certify that:

- 1) I have worked for IAMGOLD Corporation, formerly Trelawney Mining and Exploration Inc., formerly Augen Gold Corp., since July 19th, 2010.
- 2) I graduated with a B.Sc in Geology at the University of New Brunswick in 2008.
- 3) I am a practising member in good standing with the Association of Professional Geoscientists of Ontario (Member Number 2471).
- 4) The report is true and accurate to the best of my knowledge. The report includes information that was gathered from various sources, such as assessment files, company reports and publications.
- 5) I am responsible for the writing of the 2019-2021 Gosselin Drilling Report
- 6) I have no personal interest in the property covered by this report.



Signed December 16th, 2021

## 14.0 List of Abbreviations

<b>Alteration Intensity</b>	
1	Very Weak
2	Weak
3	Moderate
4	Strong
5	Intense
<b>Alteration Type</b>	
AB/ALB	Albite
AG	Argillic
AK/ANK	Ankerite
AM	Amphibolization
BIO/BT	Biotite
CB	Carbonate
CL/CHL	Chlorite
EP	Epidote
HM/HEM	Hematite
LX/LCX	Leucoxene
SI/SIL	Silica
SR/SER	Sericite
<b>Alteration Style</b>	
AFG	Alteration of Feldspar Grains
BNDS	Bands/Banded
CLTS	Clots
DIS	Disseminated
FP	Along Foliation Planes
FRC	Along Fractures
FRG	Fragment
HLO	Alteration Halo
IS	Interstitial
MET	Metasomatized
MTC	Marginal to Contacts
MTV	Marginal to Vein
MTVF	Marginal to Veins and Fractures
MX	Matrix
PV	Pervasive
SHR	Shear Hosted

<b>Structure Type</b>	
BC	Broken Core
BX	Brecciated
DYK	Dyke
FAC/FRC	Fractured/Fracture
FLTD/FLT	Faulted
FLTZN	Fault Zone
FOL	Foliated
LCT	Lithological Contact
SCH	Schistose
SHRD	Sheared
SHRZN	Shear Zone
VN	Vein
VNLTS	Veinlets
<b>Color</b>	
BE	Beige
BEGR	Beige Green
BLK	Black
DGR	Dark Green
DRLGR	Dark Grey
GG	Grey Green
GR	Green
GRBLK	Grey Black
GREBLK	Green Black
GRPK	Grey Pink
GRYBLU	Grey Blue
GY	Grey
LGY	Light Grey
PK	Pink
PKGRM	Pink Green
RE	Red
REBR	Red Brown
YE	Yellow
<b>Texture Type</b>	
ACC	Accicular
AP	Aphanitic

SP	Along Shear Planes
SPT	Spotty/Patchy
SPV	Semi-Pervasive
ST	Stain
<b>Rock Types</b>	
BXDR/DRBX	Diorite Breccia
BXFLT	Fault Breccia
BXHYP/HdBx	Hydrothermal Breccia
BXQDR/BXDR	Quartz Diorite Breccia
DEF	Deformation Zone
FLT/FLZn	Fault/ Fault Zone
II	Intermediate Intrusive
IIDR/DR	Diorite
IIQDR/QDR	Quartz Diorite
IITNLT/TNLT/TON	Tonalite
IITNLT2/TON2	Tonalite 2
IITNLTBX	Tonalite Breccia
IITNLTBX2A	Tonalite 2 Breccia w Tonalite Fragments
IITNLTBX2D	Tonalite 2 Breccia
IM	Mafic Intrusive
IMDIA/DIA	Diabase
IMLAMP/LAMP/LamDk	Lamprophyre Dike
QFP	Quartz Feldspar Porphyry
OB	Overburden
SHRZN	Shear Zone
<b>Mineralization Type</b>	
AU	Native Gold
CPY	Chalcopyrite
MO	Molybdenite
PO	Pyrrhotite
PY	Pyrite
SPH	Sphalerite
TE	Tellurides
<b>Mineralization Style</b>	

BL	Bleached
BXD	Brecciated
CG/CGR	Coarse Grained
EQ	Equigranular
FG/FGR	Fine Grained
GP	Glomeroporphyritic
HO	Homogeneous
HT	Heterogeneous
IEQ	Inequigranular
MAS	Massive
MG/MGR	Medium Grained
MT	Mottled
NET	Net Textured
PG	Pegmatitic
PO/PORPH	Porphyritic
SCH	Schistose
VCG	Very Coarse Grained
VFG	Very Fine Grained
VUGY	Vuggy
<b>Vein Mineral</b>	
AU	Gold
BI	Biotite
CBV	Carbonate Vein
CHLV	Chlorite Vein
CPY	Chalcopyrite
CV	Calcite Vein
QBV	Quartz Biotite Vein
QCC	Quartz Carbonate Chlorite Vein
QCCP	Quartz Carbonate Chlorite Pyrite Vein
QCHLV	Quartz Chlorite Vein
QCPC	Quartz Carbonate Pyrite Chalcopyrite
QCV	Quartz Calcite Vein
QICV	Quartz Iron Carbonate Vein
QV/QTZ	Quartz Vein



BLB	Blebs
CLS	Clusters/Aggregates
CLTS	Clots
DIS	Disseminated
FAC	Fracture-Controlled
FOL	Along Foliation
FRG	Fragments
HLO	Halo
LOC	Local
MAS	Massive
MTX	Matrix-Controlled
STG	Stringers/Veinlets
VN	Vein-Controlled

MAG/MGT	Magnetite
SPHV	Sphalerite Vein
SULPH	Sulphide
TRM	Tourmaline
VG	Visible Gold
<b>Vein Style</b>	
FACV	Fracture Fill
FPV	Along Foliation Planes
STG	Stringers
STWV	Stockwork
TNV	Tension
VN	Vein
<b>Comments/Other</b>	
ALTN	Alteration
ASSOC	Associated
CM	Centimeter
DH	Down Hole
DM	Decimeter
Ill	Illmenite
IRREG	Irregular
LCT	Lower Contact
MM	Millimeter
MNR	Minor
MOD	Moderate
PHENOS	Phenocrysts
PLAG	Plagioclase
SHRP	Sharp
TR	Trace
TXTR	Texture
UCT	Upper Contact
W	With
LC	Lost Core
ppm	Parts per million
ppb	Parts per billion
XENOS	Xenolith
XLS	Crystals

Appendix A:  
Drill Logs

# DRILL HOLE REPORT

Drill Hole **GOS19-30** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 182.0  
 Dip -59.0  
 Length 534.0 m  
 Started 22-Oct-19  
 Completed 29-Oct-19  
 Logged 09-Mar-20  
 Logged by Laura Katz

Company  
 Contractor NPLH  
 Position  
 Bore Size NQ  
 Sample Storage Klondike camp  
 Casing STEEL  
 Condition Capped

Survey Details:

Claim Number PAT-11127  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool GPS

Coordinates:

Target Easting 430975.61  
 Comments UTM Datum NAD83 Northing 5268041.93  
 UTM Zone 17 Elevation 388.61

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
27.0	180.40	-58.70	56040	RM		60.0	181.30	-58.10	55833	RM	
30.0	179.90	-58.80	55991	RM		66.0	181.50	-58.30	55406	RM	
33.0	181.20	-58.80	55610	RM		72.0	181.60	-58.50	55298	RM	
39.0	180.50	-58.70	55399	RM		75.0	181.30	-58.20	55440	RM	
42.0	181.00	-58.70	55228	RM		78.0	181.40	-58.10	55465	RM	
45.0	181.70	-58.60	55605	RM		81.0	181.10	-58.20	55428	RM	
48.0	181.50	-58.50	55799	RM		90.0	181.90	-58.10	55356	RM	
51.0	182.20	-58.40	55567	RM		93.0	181.50	-58.10	55643	RM	
54.0	181.70	-58.30	55597	RM		96.0	181.10	-58.50	55180	RM	
57.0	182.00	-57.90	55663	RM		99.0	182.70	-58.10	55376	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
111.0	182.50	-58.90	55313	RM	
114.0	182.90	-58.00	55335	RM	
117.0	182.60	-58.10	55339	RM	
120.0	182.90	-58.00	55305	RM	
123.0	181.80	-58.10	55032	RM	
126.0	182.50	-58.10	55138	RM	
129.0	183.40	-58.10	55409	RM	
132.0	182.70	-58.00	55418	RM	
138.0	182.80	-58.00	55470	RM	
141.0	182.30	-57.90	55658	RM	
144.0	182.90	-57.90	55523	RM	
147.0	181.90	-57.90	55649	RM	
150.0	182.20	-57.90	55282	RM	
153.0	182.90	-57.90	55422	RM	
159.0	180.80	-57.80	55703	RM	
165.0	182.40	-57.80	55581	RM	
168.0	182.50	-57.80	56028	RM	
174.0	181.20	-57.60	55600	RM	
180.0	183.00	-57.50	55543	RM	
186.0	182.50	-57.50	55103	RM	
189.0	183.10	-57.40	55712	RM	
195.0	182.70	-57.30	55279	RM	
198.0	183.70	-57.30	55441	RM	
201.0	184.20	-57.20	55221	RM	
204.0	183.80	-57.20	55556	RM	
207.0	183.20	-57.10	55983	RM	
210.0	182.80	-57.10	55255	RM	
213.0	182.40	-57.10	55745	RM	
216.0	182.50	-57.10	55656	RM	
219.0	183.00	-57.00	54864	RM	
228.0	183.00	-57.00	55206	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
234.0	183.20	-56.90	55526	RM	
243.0	182.70	-56.80	55552	RM	
246.0	183.10	-56.80	55398	RM	
252.0	182.30	-56.80	55636	RM	
255.0	183.50	-56.80	55466	RM	
261.0	183.70	-56.70	55354	RM	
264.0	183.20	-56.70	55368	RM	
267.0	182.90	-56.60	55462	RM	
270.0	182.30	-56.60	55537	RM	
273.0	182.10	-56.60	55279	RM	
276.0	181.50	-56.60	55263	RM	
279.0	182.30	-56.60	56099	RM	
285.0	182.60	-56.50	56051	RM	
288.0	182.90	-56.40	55312	RM	
291.0	182.80	-56.40	55281	RM	
294.0	181.80	-56.50	55477	RM	
300.0	182.60	-56.50	55882	RM	
303.0	181.30	-56.50	55535	RM	
306.0	181.90	-56.40	55439	RM	
309.0	182.20	-56.30	55491	RM	
315.0	181.10	-56.20	55699	RM	
318.0	182.00	-56.30	55933	RM	
321.0	182.50	-56.20	55721	RM	
324.0	182.40	-56.30	55812	RM	
327.0	183.40	-56.40	55777	RM	
330.0	182.60	-56.40	55868	RM	
339.0	182.50	-56.30	55578	RM	
342.0	183.00	-55.20	55176	RM	
345.0	182.30	-56.30	55111	RM	
348.0	183.50	-56.30	55518	RM	
351.0	183.40	-56.30	55632	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
354.0	183.20	-56.20	55605	RM	
357.0	182.30	-56.20	55641	RM	
360.0	183.00	-56.20	55748	RM	
363.0	183.60	-56.20	55645	RM	
366.0	185.30	-56.20	55631	RM	
369.0	183.00	-56.10	55433	RM	
372.0	183.00	-56.10	55171	RM	
375.0	183.20	-56.00	55194	RM	
378.0	182.60	-55.90	55259	RM	
381.0	182.90	-55.90	55350	RM	
384.0	182.90	-55.90	55366	RM	
387.0	183.20	-55.90	55416	RM	
390.0	183.00	-55.90	55305	RM	
393.0	183.20	-55.90	55328	RM	
396.0	183.10	-55.80	55431	RM	
399.0	183.00	-55.80	55465	RM	
402.0	183.20	-55.70	55376	RM	
405.0	183.30	-55.70	55333	RM	
408.0	183.30	-55.70	55352	RM	
411.0	183.10	-55.60	55327	RM	
417.0	183.30	-55.50	55406	RM	
420.0	183.50	-55.40	55411	RM	
423.0	183.10	-55.40	55425	RM	
426.0	183.40	-55.30	55398	RM	
429.0	183.20	-55.20	55413	RM	
432.0	183.50	-55.10	55422	RM	
435.0	183.50	-55.10	55393	RM	
438.0	183.60	-55.10	55410	RM	
441.0	183.70	-55.00	55385	RM	
444.0	183.70	-55.00	55397	RM	
447.0	183.80	-54.90	55415	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
450.0	183.80	-54.90	55426	RM	
453.0	183.80	-54.90	55393	RM	
456.0	184.00	-54.90	55438	RM	
459.0	183.80	-54.80	55451	RM	
462.0	183.90	-54.70	55443	RM	
465.0	183.90	-54.70	55431	RM	
468.0	184.00	-54.70	55464	RM	
471.0	183.80	-54.60	55438	RM	
474.0	183.90	-54.60	55375	RM	
477.0	183.90	-54.50	55396	RM	
480.0	183.80	-54.50	55462	RM	
483.0	184.00	-54.30	55416	RM	
486.0	184.00	-54.30	55417	RM	
489.0	184.00	-54.20	55427	RM	
492.0	183.90	-54.10	55438	RM	
495.0	184.00	-54.00	55200	RM	
498.0	184.20	-53.90	55445	RM	
501.0	184.20	-53.90	55402	RM	
504.0	184.10	-53.80	55388	RM	
507.0	184.00	-53.80	55385	RM	
510.0	184.30	-53.70	55424	RM	
513.0	184.10	-53.60	55386	RM	
516.0	184.30	-53.60	55373	RM	
522.0	184.20	-53.50	55420	RM	
525.0	183.90	-53.50	55452	RM	
528.0	183.60	-53.40	55707	RM	

From 0.00	To 3.30	Lithologic Group Overburden					
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From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	3.30	3.30			Unaltered		

From 3.30	To 87.12	Lithologic Group Tonalite					
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From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
3.30	4.00	0.70	811551	0.074	Sericitic alteration	3%	
4.00	5.00	1.00	811552	0.018	Sericitic alteration	1%	
5.00	6.00	1.00	811553	0.010	Sericitic alteration	1%	
6.00	7.00	1.00	811554	0.048	Sericitic alteration	0%	
7.00	8.00	1.00	811555	0.019	Sericitic alteration	1%	
8.00	9.47	1.47	811556	0.283	Sericitic alteration	0%	
9.47	10.00	0.53	811557	0.098	Sericitic alteration	0%	
10.00	11.00	1.00	811558	0.011	Sericitic alteration	0%	
11.00	12.00	1.00	811559	0.142	Sericitic alteration	2%	
12.00	13.00	1.00	811561	0.054	Sericitic alteration	4%	
13.00	14.00	1.00	811562	0.125	Sericitic alteration	9%	
14.00	15.00	1.00	811563	0.195	Sericitic alteration	6%	
15.00	16.00	1.00	811564	0.012	Sericitic alteration	7%	
16.00	17.00	1.00	811565	0.246	Sericitic alteration	2%	
17.00	18.00	1.00	811566	0.076	Sericitic alteration	1%	
18.00	19.00	1.00	811567	0.144	Sericitic alteration	2%	
19.00	20.00	1.00	811568	0.118	Sericitic alteration	2%	
20.00	21.00	1.00	811569	0.115	Sericitic alteration	1%	
21.00	22.00	1.00	811571	0.045	Sericitic alteration	1%	
22.00	23.00	1.00	811573	0.135	Sericitic alteration	2%	
23.00	24.00	1.00	811574	0.139	Sericitic alteration	2%	
24.00	25.00	1.00	811575	0.196	Sericitic alteration	7%	
25.00	26.00	1.00	811576	0.028	Sericitic alteration	1%	
26.00	26.63	0.63	811577	0.109	Sericitic alteration	1%	
26.63	28.00	1.37	811578	0.035	Sericitic alteration	2%	
28.00	29.00	1.00	811579	0.036	Sericitic alteration	2%	
29.00	30.00	1.00	811580	0.243	Sericitic alteration	1%	
30.00	30.95	0.95	811581	0.045	Sericitic alteration	0%	
30.95	32.00	1.05	811582	0.144	Sericitic alteration	1%	
32.00	33.00	1.00	811583	0.035	Sericitic alteration	1%	
33.00	34.00	1.00	811585	0.069	Sericitic alteration	1%	

34.00	35.00	1.00	811586	0.011	Sericitic alteration	1%	
35.00	36.11	1.11	811587	0.011	Sericitic alteration	1%	
36.11	37.67	1.56	811588	0.013	Sericitic alteration	1%	
37.67	39.00	1.33	811589	0.054	Sericitic alteration	2%	
39.00	40.00	1.00	811591	0.119	Sericitic alteration	2%	
40.00	41.00	1.00	811592	0.195	Sericitic alteration	3%	
41.00	42.00	1.00	811593	0.178	Sericitic alteration	2%	
42.00	43.00	1.00	811594	0.239	Sericitic alteration	1%	
43.00	44.00	1.00	811595	0.160	Sericitic alteration	0%	
44.00	45.00	1.00	811597	23.400	Sericitic alteration	5%	possible VG, drill smear
45.00	45.96	0.96	811598	0.026	Sericitic alteration	1%	
45.96	47.00	1.04	811599	0.049	Sericitic alteration	1%	
47.00	48.17	1.17	811600	0.120	Sericitic alteration	1%	
48.17	49.29	1.12	811601	0.022	Sericitic alteration	1%	
49.29	50.00	0.71	811602	0.101	Sericitic alteration	0%	
50.00	51.00	1.00	811603	2.394	Sericitic alteration	5%	
51.00	52.00	1.00	811604	0.008	Sericitic alteration	0%	
52.00	53.00	1.00	811605	0.011	Sericitic alteration	5%	
53.00	54.00	1.00	811606	0.012	Sericitic alteration	1%	
54.00	55.00	1.00	811607	0.015	Sericitic alteration	2%	
55.00	56.00	1.00	811608	0.011	Sericitic alteration	1%	Forgot to put bt in vn above this interval - usually in structure tab
56.00	57.00	1.00	811609	0.011	Sericitic alteration	1%	
57.00	58.00	1.00	811611	0.053	Sericitic alteration	2%	
58.00	59.00	1.00	811613	0.023	Sericitic alteration	1%	
59.00	60.00	1.00	811614	0.008	Sericitic alteration	2%	
60.00	61.00	1.00	811615	0.016	Sericitic alteration	3%	
61.00	62.00	1.00	811616	0.033	Sericitic alteration	3%	
62.00	63.27	1.27	811617	0.031	Sericitic alteration	2%	
63.27	64.00	0.73	811618	0.006	Sericitic alteration	12%	
64.00	65.00	1.00	811619	0.014	Sericitic alteration	0%	
65.00	66.00	1.00	811620	0.007	Sericitic alteration	4%	
66.00	67.00	1.00	811621	0.005	Sericitic alteration	3%	
67.00	68.00	1.00	811622	0.005	Sericitic alteration	1%	
68.00	69.00	1.00	811623	0.025	Sericitic alteration	1%	
69.00	70.00	1.00	811625	0.049	Sericitic alteration	1%	
70.00	71.00	1.00	811626	0.006	Sericitic alteration	1%	
71.00	72.00	1.00	811627	0.015	Sericitic alteration	1%	
72.00	73.00	1.00	811628	0.019	Silicified	3%	
73.00	73.71	0.71	811629	0.034	Sericitic alteration	0%	
73.71	74.76	1.05	811631	0.078	Sericitic alteration	2%	
74.76	76.00	1.24	811632	0.034	Sericitic alteration	1%	

76.00	77.00	1.00	811633	0.009	Sericitic alteration	0%	
77.00	78.00	1.00	811634	0.076	Sericitic alteration	2%	
78.00	79.00	1.00	811635	0.042	Sericitic alteration	2%	
79.00	80.00	1.00	811637	0.010	Sericitic alteration	0%	
80.00	81.00	1.00	811638	0.020	Sericitic alteration	1%	
81.00	82.00	1.00	811639	0.040	Sericitic alteration	1%	
82.00	83.00	1.00	811640	0.009	Sericitic alteration	10%	
83.00	84.00	1.00	811641	0.012	Sericitic alteration	10%	Rare cm sized dr frags
84.00	84.54	0.54	811642	0.016	Sericitic alteration	2%	
84.54	85.74	1.20	811643	0.013	Sericitic alteration	2%	
85.74	87.12	1.38	811644	0.009	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>87.12</b>	<b>88.58</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
87.12	88.58	1.46	811645	0.005	Hematitic alteration	4%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>88.58</b>	<b>105.26</b>	<b>Tonalite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
88.58	90.00	1.42	811646	0.005	Sericitic alteration	1%	
90.00	91.00	1.00	811647	0.012	Sericitic alteration	1%	All ton matrix
91.00	92.00	1.00	811649	0.006	Sericitic alteration	1%	All ton matrix
92.00	93.00	1.00	811651	0.020	Sericitic alteration	1%	All ton matrix
93.00	93.73	0.73	811652	0.006	Sericitic alteration	0%	All ton matrix
93.73	94.82	1.09	811653	0.005	Biotitic alteration	1%	
94.82	96.00	1.18	811654	0.014	Biotitic alteration	0%	
96.00	97.00	1.00	811655	0.101	Sericitic alteration	0%	
97.00	98.00	1.00	811656	0.062	Sericitic alteration	1%	
98.00	99.01	1.01	811657	0.026	Sericitic alteration	0%	
99.01	100.00	0.99	811658	0.009	Biotitic alteration	0%	
100.00	101.00	1.00	811659	0.005	Biotitic alteration	1%	
101.00	102.00	1.00	811661	0.005	Biotitic alteration	0%	
102.00	103.00	1.00	811662	0.006	Biotitic alteration	0%	
103.00	104.00	1.00	811663	0.006	Biotitic alteration	0%	
104.00	105.26	1.26	811664	0.017	Biotitic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>105.26</b>	<b>107.03</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
105.26	106.00	0.74	811665	0.006	Unaltered	0%	
106.00	107.03	1.03	811666	0.005	Unaltered	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>107.03</b>	<b>113.64</b>	<b>Tonalite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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107.03	108.00	0.97	811667	0.103	Biotitic alteration	1%
108.00	109.00	1.00	811668	0.005	Biotitic alteration	0%
109.00	110.00	1.00	811669	0.005	Biotitic alteration	1%
110.00	111.00	1.00	811671	0.005	Sericitic alteration	2%
111.00	112.00	1.00	811673	0.062	Sericitic alteration	3%
112.00	113.00	1.00	811674	0.007	Biotitic alteration	1%
113.00	113.64	0.64	811675	0.011	Biotitic alteration	0%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>113.64</b>	<b>124.15</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
113.64	115.00	1.36	811676	0.054	Silicified	0%	
115.00	116.00	1.00	811677	0.016	Silicified	1%	
116.00	117.00	1.00	811678	0.336	Silicified	0%	
117.00	118.00	1.00	811679	0.073	Silicified	0%	
118.00	119.00	1.00	811680	0.020	Silicified	1%	
119.00	120.00	1.00	811681	0.057	Silicified	1%	
120.00	121.00	1.00	811682	0.036	Silicified	0%	
121.00	122.00	1.00	811683	0.017	Silicified	5%	
122.00	122.84	0.84	811685	0.009	Silicified	0%	
122.84	124.15	1.31	811686	0.052	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>124.15</b>	<b>130.29</b>	<b>Tonalite Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
124.15	125.00	0.85	811687	0.005	Biotitic alteration	1%	All dr fragment
125.00	126.00	1.00	811688	0.005	Biotitic alteration	0%	All dr fragment
126.00	127.00	1.00	811689	0.007	Biotitic alteration	0%	All dr fragment
127.00	128.00	1.00	811691	0.005	Biotitic alteration	0%	All dr fragment
128.00	128.69	0.69	811692	0.040	Biotitic alteration	0%	
128.69	130.29	1.60	811693	1.032	Sericitic alteration	15%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>130.29</b>	<b>131.07</b>	<b>Hydrothermal Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
130.29	131.07	0.78	811694	0.026	Sericitic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>131.07</b>	<b>133.67</b>	<b>Tonalite Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
131.07	131.87	0.80	811695	0.100	Sericitic alteration	2%	
131.87	133.00	1.13	811697	0.019	Chloritic alteration	3%	All dr fragment; small ton 2 dikelet at 45 degree core angle
133.00	133.67	0.67	811698	0.071	Chloritic alteration	1%	All dr fragment; Minor brecciated texture in the dr fragment in tonalite breccia

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>133.67</b>	<b>153.51</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
133.67	134.59	0.92	811699	0.277	Sericitic alteration	0%	
134.59	135.56	0.97	811700	0.217	Silicified	1%	
135.56	137.00	1.44	811701	0.050	Biotitic alteration	1%	
137.00	138.00	1.00	811702	0.028	Biotitic alteration	0%	cm sized dr frags in tonalite
138.00	139.00	1.00	811703	0.173	Biotitic alteration	0%	
139.00	140.00	1.00	811704	0.212	Biotitic alteration	1%	
140.00	141.00	1.00	811705	0.034	Biotitic alteration	1%	
141.00	142.00	1.00	811706	0.011	Biotitic alteration	1%	
142.00	143.00	1.00	811707	0.007	Biotitic alteration	0%	
143.00	144.00	1.00	811708	0.005	Biotitic alteration	0%	
144.00	144.77	0.77	811709	0.008	Biotitic alteration	0%	Small 2.5-3 cm breccia unit in sample
144.77	145.84	1.07	811711	0.020	Silicified	1%	
145.84	146.88	1.04	811713	0.024	Biotitic alteration	0%	cm sized dr frags in tonalite
146.88	148.00	1.12	811714	0.009	Biotitic alteration	0%	cm sized dr frags in tonalite
148.00	149.31	1.31	811715	0.024	Biotitic alteration	0%	
149.31	150.13	0.82	811716	0.017	Silicified	0%	cm sized dr frags in tonalite
150.13	151.00	0.87	811717	0.015	Biotitic alteration	0%	
151.00	152.00	1.00	811718	0.011	Sericitic alteration	0%	
152.00	153.00	1.00	811719	0.016	Silicified	1%	
153.00	153.51	0.51	811720	0.048	Silicified	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>153.51</b>	<b>154.37</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
153.51	154.37	0.86	811721	0.006	Unaltered	0%	+ minor tonalite in sample
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>154.37</b>	<b>168.40</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
154.37	155.00	0.63	811722	0.019	Silicified	0%	
155.00	156.00	1.00	811723	0.018	Biotitic alteration	0%	
156.00	157.00	1.00	811725	0.005	Biotitic alteration	0%	cm sized dr frags in tonalite
157.00	158.00	1.00	811726	0.046	Silicified	0%	cm sized dr frags in tonalite
158.00	159.30	1.30	811727	0.057	Sericitic alteration	1%	
159.30	160.00	0.70	811728	0.005	Silicified	0%	
160.00	161.00	1.00	811729	0.026	Silicified	0%	
161.00	162.00	1.00	811731	0.078	Silicified	0%	few cm sized dr frags in tonalite
162.00	163.00	1.00	811732	0.080	Silicified	0%	
163.00	164.14	1.14	811733	0.036	Silicified	1%	
164.14	165.00	0.86	811734	0.010	Biotitic alteration	0%	

165.00	166.00	1.00	811735	0.008	Biotitic alteration	0%
166.00	167.00	1.00	811737	0.008	Silicified	12%
167.00	168.40	1.40	811738	0.012	Silicified	2%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>168.40</b>	<b>174.48</b>	<b>Quartz diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
168.40	169.00	0.60	811739	0.030	Biotitic alteration	2%	Large dr fragment in tonalite from 168.4-174.48
169.00	170.00	1.00	811740	0.005	Biotitic alteration	0%	
170.00	171.00	1.00	811741	0.005	Biotitic alteration	0%	
171.00	172.00	1.00	811742	0.073	Biotitic alteration	1%	
172.00	173.00	1.00	811743	0.009	Biotitic alteration	1%	
173.00	174.48	1.48	811744	0.099	Biotitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>174.48</b>	<b>190.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
174.48	175.00	0.52	811745	0.133	Silicified	1%	
175.00	176.00	1.00	811746	0.072	Silicified	1%	
176.00	177.23	1.23	811747	0.012	Silicified	1%	
177.23	178.92	1.69	811749	0.065	Silicified	1%	
178.92	179.00	0.08	811751	0.066	Sericitic alteration	1%	
179.00	180.00	1.00	811752	0.220	Silicified	1%	
180.00	181.09	1.09	811753	0.034	Sericitic alteration	1%	
181.09	182.00	0.91	811754	0.057	Sericitic alteration	1%	
182.00	183.17	1.17	811755	0.049	Sericitic alteration	28%	
183.17	184.00	0.83	811756	0.248	Silicified	1%	
184.00	185.00	1.00	811757	0.077	Biotitic alteration	1%	
185.00	186.00	1.00	811758	0.084	Biotitic alteration	0%	
186.00	187.00	1.00	811759	0.038	Biotitic alteration	1%	
187.00	188.00	1.00	811761	0.061	Biotitic alteration	1%	
188.00	189.39	1.39	811762	0.027	Biotitic alteration	1%	
189.39	190.00	0.61	811763	0.005	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>190.00</b>	<b>190.44</b>	<b>Hydrothermal Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
190.00	190.44	0.44	811764	0.031	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>190.44</b>	<b>194.94</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
190.44	191.06	0.62	811765	0.065	Sericitic alteration	1%	
191.06	192.00	0.94	811766	0.153	Sericitic alteration	2%	Small patch of hydrothermal breccia from 191.84-192

192.00	193.00	1.00	811767	0.187	Sericitic alteration	1%	
193.00	193.64	0.64	811768	0.218	Sericitic alteration	1%	Brian started describing here
193.64	194.94	1.30	811769	0.179	Sericitic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>194.94</b>	<b>195.62</b>	<b>Diabase</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
194.94	195.62	0.68	811771	0.014	Unaltered	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>195.62</b>	<b>219.69</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
195.62	196.75	1.13	811773	0.373	Sericitic alteration	33%	
196.75	198.00	1.25	811774	0.502	Sericitic alteration	1%	
198.00	198.90	0.90	811775	0.065	Sericitic alteration	1%	
198.90	200.00	1.10	811776	0.047	Sericitic alteration	2%	unit has weak breccia texture obscured by alteration
200.00	200.70	0.70	811777	0.131	Sericitic alteration	2%	
200.70	202.00	1.30	811778	0.061	Sericitic alteration	0%	
202.00	203.00	1.00	811779	1.035	Sericitic alteration	0%	
203.00	204.10	1.10	811780	0.168	Silicified	1%	started to include fractures in Vein % because it was noted that 0.4% vein was in sample but there was 0.5% vein/fracture hosted cpy plus accessory minerals
204.10	205.47	1.37	811781	0.088	Sericitic alteration	1%	
205.47	206.00	0.53	811782	0.046	Sericitic alteration	0%	
206.00	207.00	1.00	811783	0.066	Silicified	1%	
207.00	208.00	1.00	811785	0.063	Silicified	1%	
208.00	208.95	0.95	811786	0.038	Biotitic alteration	1%	<5% mafic fragments
208.95	210.00	1.05	811787	0.035	Biotitic alteration	1%	
210.00	211.00	1.00	811788	0.060	Silicified	2%	
211.00	212.00	1.00	811789	0.075	Silicified	2%	
212.00	213.00	1.00	811791	0.285	Silicified	1%	
213.00	214.00	1.00	811792	0.146	Silicified	1%	
214.00	215.00	1.00	811793	0.029	Silicified	0%	
215.00	216.00	1.00	811794	0.040	Silicified	1%	
216.00	217.00	1.00	811795	0.169	Silicified	1%	
217.00	218.00	1.00	811797	0.062	Silicified	1%	
218.00	219.00	1.00	811798	0.236	Silicified	1%	
219.00	219.69	0.69	811799	0.224	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>219.69</b>	<b>220.23</b>	<b>Diabase</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
219.69	220.23	0.54	811800	0.007	Silicified	0%	

<b>From</b> <b>220.23</b>	<b>To</b> <b>234.48</b>	<b>Lithologic Group</b>					
			<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
220.23	221.20	0.97	811801	0.193	Silicified	1%	abundant qtz-cb-bi-sulphide frcs; narrow 5cm bi-cb shr at 220.7
221.20	222.00	0.80	811802	0.030	Silicified	35%	
222.00	223.08	1.08	811803	0.106	Sericitic alteration	10%	
223.08	223.95	0.87	811804	0.485	Silicified	2%	
223.95	225.00	1.05	811805	0.217	Silicified	1%	
225.00	226.00	1.00	811806	0.119	Silicified	1%	
226.00	227.00	1.00	811807	0.271	Silicified	1%	
227.00	228.00	1.00	811808	0.482	Silicified	1%	abundant qtz-cb-bi-sulphide frc
228.00	228.90	0.90	811809	0.184	Silicified	1%	
228.90	229.50	0.60	811811	0.252	Sericitic alteration	20%	
229.50	230.50	1.00	811813	0.135	Sericitic alteration	1%	
230.50	231.50	1.00	811814	0.136	Sericitic alteration	1%	few cm scale sub-rounded mafic frags
231.50	232.50	1.00	811815	0.069	Sericitic alteration	2%	
232.50	233.50	1.00	811816	0.092	Sericitic alteration	0%	
233.50	234.48	0.98	811817	0.205	Sericitic alteration	1%	increase in qtz-cb-bi-sulphide frcs
<b>From</b> <b>234.48</b>	<b>To</b> <b>235.67</b>	<b>Lithologic Group</b>					
			<b>Diabase</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
234.48	235.67	1.19	811818	0.006	Unaltered	0%	
<b>From</b> <b>235.67</b>	<b>To</b> <b>261.50</b>	<b>Lithologic Group</b>					
			<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
235.67	237.00	1.33	811819	0.225	Sericitic alteration	0%	
237.00	238.00	1.00	811820	0.253	Sericitic alteration	1%	
238.00	239.26	1.26	811821	0.472	Sericitic alteration	0%	
239.26	240.80	1.54	811822	0.380	Sericitic alteration	3%	increase in qtz-cb-chl-cpy-po-py frcs
240.80	241.48	0.68	811823	0.278	Sericitic alteration	0%	increase in qtz-cb-chl-cpy-po-py frcs
241.48	242.52	1.04	811825	0.110	Sericitic alteration	11%	
242.52	243.50	0.98	811826	0.132	Silicified	0%	
243.50	244.50	1.00	811827	0.668	Sericitic alteration	0%	
244.50	245.50	1.00	811828	0.092	Sericitic alteration	1%	
245.50	246.50	1.00	811829	0.169	Sericitic alteration	1%	increase in chl-cb-cpy-py frcs
246.50	247.50	1.00	811831	0.406	Sericitic alteration	1%	increase in chl-cb-cpy-py frcs
247.50	248.50	1.00	811832	0.322	Sericitic alteration	5%	
248.50	249.50	1.00	811833	0.232	Sericitic alteration	1%	increase in cb-chl-py-cpy frcs

249.50	250.50	1.00	811834	0.423	Sericitic alteration	2%	
250.50	251.50	1.00	811835	0.086	Sericitic alteration	1%	
251.50	252.50	1.00	811837	0.311	Silicified	0%	
252.50	253.50	1.00	811838	0.401	Silicified	0%	small patch of breccia at 253.16-253.3m, in-situ with chl-cpy mtx
253.50	254.50	1.00	811839	0.228	Silicified	1%	
254.50	255.50	1.00	811840	0.167	Silicified	2%	
255.50	256.50	1.00	811841	0.167	Silicified	0%	
256.50	257.50	1.00	811842	0.307	Silicified	1%	
257.50	258.50	1.00	811843	0.187	Silicified	0%	
258.50	259.50	1.00	811844	0.157	Silicified	1%	increase in qtz-cb-chl-sulphide frcs
259.50	260.50	1.00	811845	0.135	Silicified	2%	increase in qtz-cb-chl-sulphide frcs
260.50	261.50	1.00	811846	0.335	Silicified	3%	abundant cb-chl-cpy-py frcs, poss close to breccia unit

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>261.50</b>	<b>265.50</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
261.50	262.50	1.00	811847	4.040	Silicified	4%	highly fractured on the verge of in-situ breccia
262.50	263.50	1.00	811849	2.020	Silicified	2%	in-situ style
263.50	264.50	1.00	811851	1.684	Silicified	1%	biotite plagioclase cpy matrix could be diorite breccia
264.50	265.50	1.00	811852	1.233	Silicified	1%	chlorite/biotite plag cpy mtx

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>265.50</b>	<b>267.78</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
265.50	266.79	1.29	811853	0.377	Silicified	1%	
266.79	267.78	0.99	811854	0.005	Sericitic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>267.78</b>	<b>270.00</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
267.78	269.00	1.22	811855	1.035	Sericitic alteration	1%	
269.00	270.00	1.00	811856	0.987	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>270.00</b>	<b>271.80</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
270.00	270.69	0.69	811857	1.010	Sericitic alteration	3%	
270.69	271.27	0.58	811858	0.516	Sericitic alteration	0%	
271.27	271.80	0.53	811859	0.111	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>271.80</b>	<b>272.70</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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271.80	272.70	0.90	811861	0.277	Sericitic alteration	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>272.70</b>	<b>273.32</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
272.70	273.32	0.62	811862	0.214	Sericitic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>273.32</b>	<b>275.36</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
273.32	274.30	0.98	811863	1.372	Sericitic alteration	1%	
274.30	275.36	1.06	811864	0.426	Sericitic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>275.36</b>	<b>297.06</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
275.36	276.00	0.64	811865	0.314	Silicified	0%	
276.00	277.00	1.00	811866	0.597	Silicified	1%	
277.00	278.00	1.00	811867	0.429	Silicified	4%	
278.00	279.00	1.00	811868	0.128	Silicified	2%	
279.00	280.00	1.00	811869	0.471	Silicified	1%	
280.00	281.00	1.00	811871	0.392	Silicified	3%	
281.00	282.00	1.00	811873	0.173	Silicified	1%	
282.00	283.03	1.03	811874	0.387	Silicified	1%	
283.03	284.00	0.97	811875	0.782	Sericitic alteration	5%	
284.00	285.00	1.00	811876	0.261	Sericitic alteration	2%	
285.00	286.00	1.00	811877	0.137	Sericitic alteration	1%	
286.00	287.00	1.00	811878	0.156	Sericitic alteration	0%	
287.00	288.00	1.00	811879	0.160	Sericitic alteration	0%	
288.00	289.00	1.00	811880	0.551	Silicified	1%	
289.00	290.00	1.00	811881	0.124	Silicified	0%	
290.00	291.26	1.26	811882	0.344	Silicified	2%	
291.26	292.50	1.24	811883	0.585	Sericitic alteration	2%	
292.50	293.06	0.56	811885	0.071	Sericitic alteration	7%	
293.06	294.00	0.94	811886	0.326	Sericitic alteration	1%	
294.00	295.00	1.00	811887	0.867	Sericitic alteration	1%	
295.00	296.00	1.00	811888	0.247	Sericitic alteration	2%	
296.00	297.06	1.06	811889	0.364	Sericitic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>297.06</b>	<b>297.84</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
297.06	297.84	0.78	811891	0.682	Sericitic alteration	4%	in-situ style
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>297.84</b>	<b>326.73</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

297.84	299.00	1.16	811892	1.018	Sericitic alteration	1%
299.00	300.00	1.00	811893	0.358	Sericitic alteration	1%
300.00	301.00	1.00	811894	0.539	Sericitic alteration	1%
301.00	302.00	1.00	811895	0.321	Sericitic alteration	1%
302.00	303.00	1.00	811897	0.258	Sericitic alteration	2%
303.00	304.00	1.00	811898	0.658	Silicified	2%
304.00	305.00	1.00	811899	0.481	Silicified	1%
305.00	306.00	1.00	811900	0.446	Silicified	1%
306.00	306.89	0.89	811901	0.478	Silicified	2%
306.89	308.00	1.11	811902	0.685	Sericitic alteration	1%
308.00	309.00	1.00	811903	0.177	Sericitic alteration	1%
309.00	310.00	1.00	811904	0.099	Sericitic alteration	3%
310.00	311.00	1.00	811905	0.785	Sericitic alteration	1%
311.00	312.00	1.00	811906	1.221	Sericitic alteration	2%
312.00	313.00	1.00	811907	2.075	Sericitic alteration	1%
313.00	314.00	1.00	811908	0.219	Silicified	0%
314.00	315.00	1.00	811909	0.277	Silicified	2%
315.00	316.00	1.00	811911	0.332	Silicified	1%
316.00	317.30	1.30	811913	3.090	Silicified	2%
317.30	318.00	0.70	811914	0.718	Silicified	3%
318.00	319.00	1.00	811915	7.230	Silicified	1%
319.00	320.00	1.00	811916	1.546	Silicified	3%
320.00	321.00	1.00	811917	0.951	Silicified	1%
321.00	322.00	1.00	811918	0.202	Silicified	1%
322.00	322.80	0.80	811919	0.142	Silicified	2%
322.80	324.00	1.20	811920	1.974	Silicified	3%
324.00	325.00	1.00	811921	0.385	Silicified	1%
325.00	326.00	1.00	811922	1.831	Silicified	4%
326.00	326.73	0.73	811923	0.432	Silicified	2%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>326.73</b>	<b>327.17</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
326.73	327.17	0.44	811925	2.398	Chloritic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>327.17</b>	<b>343.63</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
327.17	328.00	0.83	811926	0.133	Sericitic alteration	1%	
328.00	329.00	1.00	811927	0.763	Sericitic alteration	0%	
329.00	329.50	0.50	811928	2.173	Sericitic alteration	6%	
329.50	330.50	1.00	811929	1.023	Sericitic alteration	1%	
330.50	331.05	0.55	811931	2.556	Sericitic alteration	3%	
331.05	332.00	0.95	811932	0.763	Silicified	1%	



332.00	333.00	1.00	811933	0.557	Silicified	4%	
333.00	334.00	1.00	811934	0.591	Silicified	5%	
334.00	335.00	1.00	811935	0.500	Silicified	1%	
335.00	336.10	1.10	811937	0.498	Silicified	20%	
336.10	336.45	0.35	811938	0.330	Silicified	25%	in-situ brecciated w carb infil; more of fault breccia
336.45	337.50	1.05	811939	0.291	Sericitic alteration	2%	
337.50	338.50	1.00	811940	0.271	Sericitic alteration	4%	
338.50	339.50	1.00	811941	0.548	Sericitic alteration	3%	
339.50	340.50	1.00	811942	0.503	Sericitic alteration	5%	
340.50	341.50	1.00	811943	0.187	Sericitic alteration	2%	
341.50	342.50	1.00	811944	0.162	Sericitic alteration	1%	
342.50	343.63	1.13	811945	1.525	Sericitic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>343.63</b>	<b>348.66</b>	<b>Quartz Diorite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
343.63	344.65	1.02	811946	0.885	Chloritic alteration	5%	QDR -60% (qtz rich w cg blue qtz-plag segregations) w Altd Ton frgs - 40%
344.65	345.65	1.00	811947	0.238	Chloritic alteration	2%	QDR - 90% Ton - 10%
345.65	346.65	1.00	811949	0.337	Chloritic alteration	2%	QDR - 90% Ton - 10%
346.65	347.65	1.00	811951	0.537	Chloritic alteration	5%	QDR - 80% Ton - 20%
347.65	348.66	1.01	811952	1.990	Chloritic alteration	3%	QDR - 90% Ton - 10%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>348.66</b>	<b>354.97</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
348.66	349.26	0.60	811953	0.588	Sericitic alteration	7%	strong ser + py dh of QDRBx
349.26	350.50	1.24	811954	0.221	Silicified	3%	
350.50	351.00	0.50	811955	0.459	Silicified	7%	
351.00	352.00	1.00	811956	1.994	Silicified	3%	
352.00	353.00	1.00	811957	0.437	Silicified	6%	
353.00	354.00	1.00	811958	0.694	Silicified	2%	
354.00	354.97	0.97	811959	2.692	Silicified	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>354.97</b>	<b>356.00</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
354.97	356.00	1.03	811961	1.669	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>356.00</b>	<b>357.00</b>	<b>Quartz Diorite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
356.00	357.00	1.00	811962	1.781	Chloritic alteration	3%	QDR - 80% Ton - 20%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>357.00</b>	<b>359.78</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
357.00	358.00	1.00	811963	12.400	Chloritic alteration	4%	
358.00	359.00	1.00	811964	1.650	Chloritic alteration	1%	
359.00	359.78	0.78	811965	0.117	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>359.78</b>	<b>361.68</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
359.78	360.65	0.87	811966	1.439	Silicified	3%	
360.65	361.68	1.03	811967	2.606	Silicified	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>361.68</b>	<b>364.00</b>	<b>Quartz Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
361.68	363.00	1.32	811968	2.890	Chloritic alteration	3%	QDR - 80% Ton - 20%
363.00	364.00	1.00	811969	0.496	Chloritic alteration	2%	QDR - 80% Ton - 20%, frag more assimilated in mtz
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>364.00</b>	<b>365.84</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
364.00	365.00	1.00	811971	0.306	Silicified	2%	Laura started logging; above QDRBx likely tonalite breccia
365.00	365.84	0.84	811973	0.290	Silicified	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>365.84</b>	<b>371.70</b>	<b>Tonalite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
365.84	367.00	1.16	811974	0.204	Biotitic alteration	2%	
367.00	368.00	1.00	811975	0.678	Biotitic alteration	2%	
368.00	369.00	1.00	811976	3.540	Biotitic alteration	1%	
369.00	370.00	1.00	811977	1.663	Biotitic alteration	1%	
370.00	371.00	1.00	811978	1.739	Biotitic alteration	1%	
371.00	371.70	0.70	811979	0.017	Biotitic alteration	0%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>371.70</b>	<b>390.43</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
371.70	373.00	1.30	811980	0.270	Sericitic alteration	0%	
373.00	374.00	1.00	811981	0.342	Sericitic alteration	1%	
374.00	375.00	1.00	811982	0.329	Sericitic alteration	0%	
375.00	376.00	1.00	811983	0.318	Sericitic alteration	0%	
376.00	377.00	1.00	811985	0.139	Sericitic alteration	1%	
377.00	378.00	1.00	811986	0.585	Sericitic alteration	0%	
378.00	379.00	1.00	811987	0.113	Sericitic alteration	0%	

379.00	380.00	1.00	811988	0.341	Sericitic alteration	0%	
380.00	381.16	1.16	811989	0.954	Sericitic alteration	2%	
381.16	382.00	0.84	811991	0.185	Silicified	0%	
382.00	383.00	1.00	811992	0.103	Silicified	0%	
383.00	383.82	0.82	811993	0.081	Silicified	0%	
383.82	385.00	1.18	811994	0.423	Sericitic alteration	1%	
385.00	386.00	1.00	811995	2.519	Sericitic alteration	2%	Minor hydrothermal brecciation from 385.7-385.81 m
386.00	387.00	1.00	811997	0.467	Sericitic alteration	1%	
387.00	388.00	1.00	811998	0.498	Sericitic alteration	2%	
388.00	389.00	1.00	811999	0.271	Sericitic alteration	0%	
389.00	390.43	1.43	812000	0.322	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>390.43</b>	<b>391.03</b>	<b>Lamprophyre Dyke</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
390.43	391.03	0.60	1082001	0.005	Unaltered	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>391.03</b>	<b>412.07</b>	<b>Tonalite</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
391.03	392.00	0.97	1082002	0.700	Sericitic alteration	0%	
392.00	393.00	1.00	1082003	0.455	Sericitic alteration	1%	
393.00	394.00	1.00	1082004	0.269	Biotitic alteration	1%	
394.00	395.00	1.00	1082005	0.132	Silicified	1%	
395.00	396.00	1.00	1082006	0.201	Silicified	1%	
396.00	397.00	1.00	1082007	0.323	Sericitic alteration	2%	
397.00	398.47	1.47	1082008	0.296	Sericitic alteration	0%	
398.47	399.00	0.53	1082009	0.069	Biotitic alteration	0%	
399.00	400.00	1.00	1082011	0.138	Silicified	1%	
400.00	401.00	1.00	1082013	0.105	Silicified	1%	
401.00	402.00	1.00	1082014	1.483	Biotitic alteration	2%	
402.00	403.00	1.00	1082015	0.094	Biotitic alteration	2%	
403.00	404.00	1.00	1082016	0.152	Silicified	3%	
404.00	405.00	1.00	1082017	0.027	Silicified	1%	
405.00	406.00	1.00	1082018	0.042	Silicified	1%	
406.00	407.00	1.00	1082019	0.096	Silicified	1%	
407.00	408.00	1.00	1082020	0.015	Biotitic alteration	1%	
408.00	409.00	1.00	1082021	0.273	Biotitic alteration	0%	
409.00	410.00	1.00	1082022	0.101	Silicified	18%	
410.00	411.00	1.00	1082023	0.743	Biotitic alteration	2%	
411.00	412.07	1.07	1082025	0.262	Silicified	9%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
412.07	413.21	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
412.07	413.21	1.14	1082026	0.045	Chloritic alteration	0%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
413.21	414.37	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
413.21	414.37	1.16	1082027	0.109	Silicified	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
414.37	415.28	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
414.37	415.28	0.91	1082028	0.040	Biotitic alteration	0%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
415.28	417.73	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
415.28	416.00	0.72	1082029	0.060	Silicified	35%	
416.00	417.10	1.10	1082031	0.043	Silicified	30%	
417.10	417.73	0.63	1082032	0.386	Biotitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
417.73	419.00	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
417.73	419.00	1.27	1082033	0.076	Silicified	0%	Tonalite fragments in tonalite 2 matrix
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
419.00	420.00	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
419.00	420.00	1.00	1082034	0.118	Biotitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
420.00	426.73	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
420.00	421.00	1.00	1082035	0.164	Silicified	1%	
421.00	421.80	0.80	1082037	0.095	Silicified	1%	
421.80	423.00	1.20	1082038	0.206	Silicified	4%	
423.00	424.00	1.00	1082039	1.031	Silicified	4%	
424.00	424.94	0.94	1082040	0.432	Silicified	0%	
424.94	426.00	1.06	1082041	0.220	Silicified	1%	
426.00	426.73	0.73	1082042	0.406	Silicified	0%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
426.73	427.88	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
426.73	427.88	1.15	1082043	0.008	Chloritic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>427.88</b>	<b>433.70</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
427.88	429.00	1.12	1082044	0.208	Silicified	1%	
429.00	430.00	1.00	1082045	0.315	Sericitic alteration	1%	
430.00	431.00	1.00	1082046	0.233	Sericitic alteration	2%	
431.00	432.00	1.00	1082047	0.377	Sericitic alteration	1%	
432.00	433.00	1.00	1082049	0.235	Sericitic alteration	1%	
433.00	433.70	0.70	1082051	0.276	Sericitic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>433.70</b>	<b>434.50</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
433.70	434.50	0.80	1082052	0.005	Chloritic alteration	0%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>434.50</b>	<b>436.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
434.50	435.00	0.50	1082053	0.079	Silicified	0%	
435.00	436.00	1.00	1082054	0.452	Silicified	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>436.00</b>	<b>437.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
436.00	437.00	1.00	1082055	0.504	Silicified	10%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>437.00</b>	<b>440.46</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
437.00	438.35	1.35	1082056	0.286	Silicified	1%	
438.35	439.36	1.01	1082057	0.072	Silicified	0%	DR fragment or dike in the sample from 438.57-439.14
439.36	440.46	1.10	1082058	0.243	Silicified	0%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>440.46</b>	<b>445.41</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
440.46	441.00	0.54	1082059	0.062	Sericitic alteration	0%	
441.00	442.00	1.00	1082061	0.073	Sericitic alteration	0%	
442.00	443.00	1.00	1082062	0.491	Sericitic alteration	0%	
443.00	444.00	1.00	1082063	0.148	Sericitic alteration	1%	
444.00	445.41	1.41	1082064	0.422	Sericitic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>445.41</b>	<b>497.74</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

445.41	446.00	0.59	1082065	0.611	Silicified	1%	Hard to tell rock type due to strong sil-ab alteration - could be Ton 2 or Ton 2 Bx or diorite breccia
446.00	447.00	1.00	1082066	0.147	Silicified	0%	
447.00	448.00	1.00	1082067	0.568	Chloritic alteration	0%	
448.00	448.74	0.74	1082068	0.217	Silicified	1%	
448.74	449.87	1.13	1082069	0.438	Silicified	17%	
449.87	451.00	1.13	1082071	0.105	Silicified	23%	
451.00	452.00	1.00	1082073	0.743	Silicified	0%	
452.00	453.00	1.00	1082074	0.163	Silicified	1%	
453.00	454.00	1.00	1082075	0.161	Silicified	1%	
454.00	455.00	1.00	1082076	0.194	Silicified	3%	
455.00	456.00	1.00	1082077	0.234	Silicified	0%	
456.00	457.00	1.00	1082078	0.239	Silicified	4%	
457.00	458.00	1.00	1082079	0.634	Silicified	0%	
458.00	459.00	1.00	1082080	1.190	Silicified	0%	
459.00	460.00	1.00	1082081	0.726	Silicified	0%	
460.00	461.00	1.00	1082082	1.109	Silicified	0%	
461.00	462.00	1.00	1082083	0.159	Silicified	0%	
462.00	463.00	1.00	1082085	0.149	Silicified	1%	
463.00	464.00	1.00	1082086	0.289	Silicified	0%	
464.00	465.00	1.00	1082087	0.729	Silicified	0%	
465.00	466.05	1.05	1082088	0.558	Silicified	1%	
466.05	467.00	0.95	1082089	0.175	Silicified	0%	
467.00	468.00	1.00	1082091	1.752	Silicified	0%	
468.00	469.00	1.00	1082092	0.444	Silicified	0%	
469.00	470.14	1.14	1082093	0.900	Silicified	0%	
470.14	471.00	0.86	1082094	18.200	Sericitic alteration	0%	
471.00	471.84	0.84	1082095	4.180	Sericitic alteration	0%	
471.84	472.74	0.90	1082097	15.900	Sericitic alteration	1%	
472.74	474.00	1.26	1082098	2.940	Sericitic alteration	1%	Possible VG, few vfgr specks
474.00	475.00	1.00	1082099	2.294	Sericitic alteration	0%	
475.00	475.77	0.77	1082100	3.590	Sericitic alteration	1%	
475.77	477.00	1.23	1082101	1.805	Sericitic alteration	0%	
477.00	478.00	1.00	1082102	1.441	Sericitic alteration	0%	
478.00	479.00	1.00	1082103	0.659	Sericitic alteration	0%	
479.00	480.00	1.00	1082104	1.436	Sericitic alteration	0%	
480.00	481.42	1.42	1082105	1.741	Sericitic alteration	2%	
481.42	482.00	0.58	1082106	2.890	Sericitic alteration	0%	Possible end of Ton2 bx or or diorite or breccia - altered and hard to tell rock type
482.00	483.44	1.44	1082107	0.767	Sericitic alteration	0%	
483.44	484.00	0.56	1082108	0.418	Sericitic alteration	0%	

484.00	484.80	0.80	1082109	0.370	Sericitic alteration	0%
484.80	486.00	1.20	1082111	1.490	Sericitic alteration	5%
486.00	487.00	1.00	1082113	2.299	Sericitic alteration	3%
487.00	488.00	1.00	1082114	0.836	Sericitic alteration	0%
488.00	489.05	1.05	1082115	2.060	Sericitic alteration	10%
489.05	490.00	0.95	1082116	1.542	Sericitic alteration	1%
490.00	491.00	1.00	1082117	2.061	Sericitic alteration	1%
491.00	492.00	1.00	1082118	1.634	Sericitic alteration	1%
492.00	493.00	1.00	1082119	2.775	Sericitic alteration	0%
493.00	494.00	1.00	1082120	0.794	Sericitic alteration	4%
494.00	495.00	1.00	1082121	0.703	Sericitic alteration	0%
495.00	496.00	1.00	1082122	2.173	Sericitic alteration	3%
496.00	497.00	1.00	1082123	0.467	Sericitic alteration	0%
497.00	497.74	0.74	1082125	0.199	Sericitic alteration	0%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>497.74</b>	<b>498.37</b>	<b>Diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
497.74	498.37	0.63	1082126	0.013	Chloritic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>498.37</b>	<b>526.16</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
498.37	499.00	0.63	1082127	0.439	Sericitic alteration	6%	
499.00	500.00	1.00	1082128	0.926	Sericitic alteration	1%	
500.00	500.80	0.80	1082129	1.430	Sericitic alteration	1%	
500.80	502.00	1.20	1082131	0.432	Sericitic alteration	2%	
502.00	503.31	1.31	1082132	0.180	Sericitic alteration	1%	
503.31	504.00	0.69	1082133	0.217	Sericitic alteration	0%	
504.00	505.00	1.00	1082134	0.667	Sericitic alteration	1%	
505.00	506.00	1.00	1082135	0.510	Sericitic alteration	0%	
506.00	507.00	1.00	1082137	0.423	Sericitic alteration	8%	
507.00	508.00	1.00	1082138	0.281	Sericitic alteration	0%	
508.00	509.00	1.00	1082139	0.225	Sericitic alteration	1%	
509.00	510.00	1.00	1082140	0.457	Sericitic alteration	1%	
510.00	511.09	1.09	1082141	0.484	Sericitic alteration	2%	
511.09	512.00	0.91	1082142	2.634	Sericitic alteration	2%	
512.00	513.33	1.33	1082143	1.950	Sericitic alteration	1%	
513.33	514.00	0.67	1082144	17.400	Sericitic alteration	2%	
514.00	515.00	1.00	1082145	3.010	Sericitic alteration	2%	
515.00	516.00	1.00	1082146	0.252	Sericitic alteration	1%	
516.00	517.00	1.00	1082147	0.148	Sericitic alteration	4%	
517.00	518.00	1.00	1082149	0.183	Sericitic alteration	0%	
518.00	519.00	1.00	1082151	0.617	Sericitic alteration	0%	

519.00	519.89	0.89	1082152	0.367	Sericitic alteration	0%	
519.89	521.00	1.11	1082153	0.346	Sericitic alteration	1%	
521.00	522.00	1.00	1082154	0.125	Sericitic alteration	0%	
522.00	523.00	1.00	1082155	0.810	Sericitic alteration	0%	DR frag from 522.28-522.52 m
523.00	524.00	1.00	1082156	0.465	Sericitic alteration	2%	
524.00	525.00	1.00	1082157	1.333	Sericitic alteration	2%	
525.00	526.16	1.16	1082158	0.213	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>526.16</b>	<b>531.06</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
526.16	527.00	0.84	1082159	0.170	Chloritic alteration	0%	
527.00	528.00	1.00	1082161	0.109	Chloritic alteration	0%	
528.00	529.00	1.00	1082162	0.021	Chloritic alteration	0%	
529.00	529.60	0.60	1082163	0.032	Chloritic alteration	0%	
529.60	530.35	0.75	1082164	0.417	Chloritic alteration	17%	small patch of tonalite from 529.97-530.07 m and 530.24-530.35; abundant irregular qtz-cb-bt/chl-py-cpy veining
530.35	531.06	0.71	1082165	0.164	Chloritic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>531.06</b>	<b>534.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
531.06	532.00	0.94	1082166	0.640	Sericitic alteration	14%	
532.00	533.00	1.00	1082167	0.108	Sericitic alteration	1%	
533.00	534.00	1.00	1082168	0.128	Sericitic alteration	1%	



# DRILL HOLE REPORT

Drill Hole **GOS19-31** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 332.4  
 Dip -65.4  
 Length 411.0 m  
 Started 29-Oct-19  
 Completed 05-Nov-19  
 Logged 09-Mar-20  
 Logged by Andrew Shea

Company  
 Contractor NPLH  
 Position  
 Bore Size NQ  
 Sample Storage Klondike Lodge  
 Casing STEEL  
 Condition Capped

Survey Details:

Claim Number PAT-11127  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool GPS

Coordinates:

Target  
 Comments re-validated L.G

Easting 430938.03  
 Northing 5267866.19  
 UTM Datum NAD83  
 UTM Zone 17 Elevation 382.49

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
9.0	332.80	-65.50	56474			45.0	333.50	-65.20	55866		
15.0	333.40	-65.60	56208			48.0	333.40	-65.20	55900		
18.0	333.40	-65.40	56112			57.0	333.30	-65.20	55913		
21.0	333.50	-65.20	56045			60.0	333.20	-65.10	55909		
24.0	333.20	-65.50	56008			63.0	333.60	-64.70	55894		
27.0	333.40	-65.30	55959			66.0	333.20	-65.20	55949		
30.0	333.40	-65.40	55940			72.0	333.70	-65.20	56372		
33.0	333.40	-65.30	55884			75.0	333.10	-66.10	56095		
36.0	333.60	-65.20	55868			81.0	333.30	-64.60	55357		
42.0	333.50	-65.30	55854			84.0	332.50	-65.20	55871		

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
87.0	332.70	-65.30	55647		
90.0	331.90	-65.20	55498		
93.0	331.70	-65.50	56149		
96.0	331.70	-65.40	56220		
105.0	332.90	-65.40	55996		
108.0	333.40	-65.40	55957		
111.0	333.70	-64.50	55527		Poor
114.0	332.50	-65.40	55778		
117.0	332.60	-65.30	54629		
120.0	332.50	-65.40	55595		
123.0	332.10	-65.40	55111		
126.0	334.30	-65.40	55819		Poor
129.0	333.10	-65.40	55462		
132.0	333.60	-65.90	56216		
135.0	334.00	-65.40	55907		
138.0	334.30	-64.40	55923		
141.0	333.50	-65.20	56059		
144.0	333.20	-65.20	55807		
150.0	331.80	-65.30	55180		Poor
153.0	332.40	-65.30	54735		
156.0	334.40	-65.30	54780		
159.0	334.20	-65.20	55268		
165.0	334.60	-65.20	55025		
168.0	332.90	-65.20	55497		
171.0	331.70	-65.20	55521		Poor
174.0	333.00	-65.10	55772		
177.0	333.10	-65.10	55813		
180.0	332.40	-65.00	55816		
183.0	333.40	-65.00	55888		
189.0	331.30	-65.00	55234		
192.0	331.80	-64.90	55259		

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
195.0	333.50	-64.90	54723		
198.0	331.50	-65.70	55387		Poor
201.0	333.30	-64.90	55460		
204.0	332.60	-64.80	55790		
207.0	333.20	-64.80	55973		
210.0	331.00	-64.80	55967		Poor
213.0	331.80	-64.80	55172		
216.0	333.30	-64.80	55362		
219.0	332.10	-64.80	55643		
222.0	331.00	-64.80	55446		Poor
225.0	333.40	-64.80	55498		
231.0	333.40	-64.70	56104		
234.0	332.70	-64.70	55847		
237.0	332.50	-64.70	55224		
240.0	331.20	-64.70	55916		Poor
243.0	332.60	-64.80	54635		
246.0	332.70	-64.70	55762		
252.0	332.20	-64.70	55361		
255.0	332.30	-64.80	55130		
258.0	330.90	-64.70	55871		Poor
261.0	331.80	-64.70	55663		
264.0	331.20	-64.70	55584		
267.0	331.40	-64.60	55917		
270.0	331.30	-64.60	55883		
273.0	332.10	-64.60	55860		
276.0	332.40	-64.60	55892		
279.0	332.30	-64.60	55927		
282.0	332.20	-64.60	55828		
285.0	332.40	-64.50	55750		
288.0	332.00	-64.60	55855		
291.0	332.00	-64.50	56044		

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
294.0	332.00	-64.50	55924		
297.0	331.00	-64.60	55744		Poor
300.0	330.60	-64.50	53070		Poor
303.0	332.60	-64.40	56019		
306.0	332.20	-64.40	55921		
309.0	332.10	-64.40	55929		
312.0	332.00	-64.30	55911		
315.0	332.10	-64.30	55881		
318.0	332.20	-64.30	55880		
324.0	332.20	-64.20	55904		
327.0	332.50	-64.30	55883		
330.0	332.20	-64.30	55911		
333.0	332.30	-64.30	55916		
336.0	332.40	-64.20	55885		
339.0	332.40	-64.20	55898		
342.0	332.30	-64.20	55919		
345.0	332.30	-64.20	55909		
348.0	332.30	-64.20	55892		
351.0	332.40	-64.10	55874		
354.0	332.40	-64.10	55882		
357.0	332.30	-64.00	55876		
360.0	332.40	-64.00	55877		
363.0	332.60	-64.00	55840		
366.0	333.00	-63.90	55828		
369.0	332.70	-64.00	55778		
372.0	332.70	-63.90	55876		
375.0	332.60	-63.90	55876		
378.0	332.60	-63.80	55814		
381.0	332.60	-63.90	55750		
384.0	332.40	-63.80	55482		
387.0	333.80	-63.90	55562		Poor

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
390.0	332.20	-63.80	55541		
393.0	332.20	-63.80	55881		
396.0	332.60	-63.80	55774		
399.0	330.90	-63.80	55461		Poor
402.0	332.20	-63.80	55256		
405.0	332.80	-63.80	55223		

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>0.00</b>	<b>5.42</b>	<b>Overburden</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	5.42	5.42			Unaltered		

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>5.42</b>	<b>61.50</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
5.42	6.00	0.58	810501	0.005	Chloritic alteration	1%	
6.00	7.00	1.00	810502	0.005	Chloritic alteration	5%	
7.00	8.00	1.00	810503	0.006	Chloritic alteration	2%	
8.00	9.00	1.00	810504	0.148	Chloritic alteration	12%	
9.00	10.00	1.00	810505	0.006	Chloritic alteration	4%	
10.00	11.00	1.00	810506	0.037	Chloritic alteration	6%	
11.00	12.00	1.00	810507	0.023	Biotitic alteration	1%	
12.00	13.00	1.00	810508	0.015	Biotitic alteration	1%	
13.00	14.00	1.00	810509	0.056	Biotitic alteration	1%	
14.00	15.00	1.00	810511	0.157	Biotitic alteration	2%	
15.00	16.00	1.00	810513	0.060	Biotitic alteration	3%	
16.00	17.23	1.23	810514	0.229	Biotitic alteration	4%	
17.23	18.00	0.77	810515	0.255	Silica–Sodic alteration	2%	
18.00	19.00	1.00	810516	0.100	Silica–Sodic alteration	3%	
19.00	20.20	1.20	810517	0.141	Silica–Sodic alteration	5%	
20.20	21.30	1.10	810518	0.909	Sericitic alteration	6%	
21.30	22.00	0.70	810519	0.015	Sericitic alteration	1%	
22.00	23.00	1.00	810520	0.030	Sericitic alteration	4%	
23.00	24.00	1.00	810521	0.025	Sericitic alteration	4%	
24.00	24.80	0.80	810522	0.063	Sericitic alteration	2%	
24.80	25.80	1.00	810523	2.687	Sericitic alteration	20%	
25.80	27.00	1.20	810525	0.155	Sericitic alteration	1%	
27.00	28.00	1.00	810526	0.025	Sericitic alteration	2%	
28.00	28.60	0.60	810527	0.074	Sericitic alteration	2%	
28.60	30.00	1.40	810528	0.089	Silica–Sodic alteration	5%	
30.00	31.40	1.40	810529	0.151	Chloritic alteration	10%	
31.40	32.96	1.56	810531	0.038	Chloritic alteration	2%	
32.96	34.00	1.04	810532	0.030	Chloritic alteration	1%	
34.00	35.00	1.00	810533	0.516	Chloritic alteration	2%	
35.00	36.00	1.00	810534	0.032	Chloritic alteration	3%	
36.00	37.00	1.00	810535	0.052	Chloritic alteration	4%	

37.00	38.00	1.00	810537	0.119	Chloritic alteration	2%
38.00	39.00	1.00	810538	0.073	Biotitic alteration	2%
39.00	40.16	1.16	810539	0.019	Chloritic alteration	2%
40.16	41.00	0.84	810540	0.140	Silica–Sodic alteration	2%
41.00	42.00	1.00	810541	0.164	Silica–Sodic alteration	4%
42.00	43.00	1.00	810542	0.076	Biotitic alteration	1%
43.00	44.00	1.00	810543	0.020	Biotitic alteration	1%
44.00	45.00	1.00	810544	0.426	Biotitic alteration	2%
45.00	46.15	1.15	810545	0.049	Biotitic alteration	1%
46.15	47.00	0.85	810546	0.035	Biotitic alteration	2%
47.00	48.00	1.00	810547	0.086	Chloritic alteration	1%
48.00	49.00	1.00	810549	0.051	Sericitic alteration	2%
49.00	50.00	1.00	810551	0.217	Sericitic alteration	3%
50.00	51.00	1.00	810552	0.066	Sericitic alteration	5%
51.00	52.00	1.00	810553	0.049	Sericitic alteration	7%
52.00	53.00	1.00	810554	0.018	Sericitic alteration	3%
53.00	54.00	1.00	810555	0.010	Sericitic alteration	5%
54.00	55.00	1.00	810556	0.080	Sericitic alteration	3%
55.00	56.00	1.00	810557	2.180	Sericitic alteration	2%
56.00	57.00	1.00	810558	0.093	Sericitic alteration	3%
57.00	57.90	0.90	810559	0.020	Sericitic alteration	2%
57.90	58.90	1.00	810561	1.779	Sericitic alteration	5%
58.90	60.00	1.10	810563	1.070	Sericitic alteration	2%
60.00	61.50	1.50	810564	0.022	Sericitic alteration	5%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>61.50</b>	<b>65.40</b>	<b>Diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
61.50	63.00	1.50	810565	0.300	Chloritic alteration	5%	
63.00	64.00	1.00	810566	0.050	Chloritic alteration	1%	
64.00	64.79	0.79	810567	0.112	Chloritic alteration	1%	
64.79	65.40	0.61	810568	0.178	Chloritic alteration	20%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>65.40</b>	<b>87.05</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
65.40	66.00	0.60	810569	0.126	Sericitic alteration	5%	
66.00	67.00	1.00	810571	0.051	Sericitic alteration	1%	
67.00	68.00	1.00	810573	0.044	Sericitic alteration	1%	
68.00	69.00	1.00	810574	1.685	Sericitic alteration	3%	
69.00	70.00	1.00	810575	0.041	Sericitic alteration	7%	
70.00	71.00	1.00	810576	2.717	Sericitic alteration	5%	
71.00	72.00	1.00	810577	0.032	Sericitic alteration	1%	
72.00	73.00	1.00	810578	0.029	Sericitic alteration	4%	

73.00	73.75	0.75	810579	0.015	Sericitic alteration	7%
73.75	74.68	0.93	810580	0.019	Sericitic alteration	1%
74.68	76.00	1.32	810581	0.015	Chloritic alteration	1%
76.00	77.00	1.00	810582	0.018	Chloritic alteration	1%
77.00	78.00	1.00	810583	0.020	Chloritic alteration	1%
78.00	79.00	1.00	810585	0.045	Sericitic alteration	1%
79.00	80.00	1.00	810586	0.052	Sericitic alteration	1%
80.00	81.00	1.00	810587	0.019	Chloritic alteration	1%
81.00	82.00	1.00	810588	0.023	Chloritic alteration	1%
82.00	83.00	1.00	810589	0.011	Chloritic alteration	2%
83.00	84.00	1.00	810591	0.011	Chloritic alteration	1%
84.00	85.00	1.00	810592	0.011	Chloritic alteration	1%
85.00	86.00	1.00	810593	0.014	Chloritic alteration	1%
86.00	87.05	1.05	810594	0.010	Sericitic alteration	3%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>87.05</b>	<b>88.26</b>	<b>Lamprophyre Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
87.05	88.26	1.21	810595	0.007	Unaltered	20%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>88.26</b>	<b>97.36</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
88.26	89.00	0.74	810597	0.011	Biotitic alteration	4%	
89.00	90.00	1.00	810598	0.013	Chloritic alteration	1%	
90.00	91.00	1.00	810599	0.018	Biotitic alteration	1%	
91.00	92.00	1.00	810600	0.014	Biotitic alteration	1%	
92.00	93.00	1.00	810601	0.055	Biotitic alteration	1%	
93.00	94.00	1.00	810602	0.021	Biotitic alteration	1%	
94.00	95.00	1.00	810603	0.022	Sericitic alteration	4%	
95.00	96.00	1.00	810604	0.020	Sericitic alteration	1%	
96.00	96.80	0.80	810605	0.009	Chloritic alteration	1%	
96.80	97.36	0.56	810606	0.017	Chloritic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>97.36</b>	<b>98.62</b>	<b>Hydrothermal Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
97.36	98.00	0.64	810607	0.132	Silicified	3%	
98.00	98.62	0.62	810608	0.138	Chloritic alteration	4%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>98.62</b>	<b>102.03</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
98.62	99.71	1.09	810609	0.291	Silicified	3%	
99.71	101.00	1.29	810611	0.019	Biotitic alteration	1%	
101.00	102.03	1.03	810613	0.047	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>102.03</b>	<b>104.19</b>	<b>Diabase</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
102.03	103.00	0.97	810614	0.009	Epidote alteration	0%	
103.00	104.19	1.19	810615	0.006	Epidote alteration	0%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>104.19</b>	<b>140.34</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
104.19	105.00	0.81	810616	0.016	Biotitic alteration	1%	
105.00	106.00	1.00	810617	0.044	Biotitic alteration	3%	
106.00	107.00	1.00	810618	0.074	Biotitic alteration	3%	
107.00	108.00	1.00	810619	0.026	Biotitic alteration	1%	
108.00	109.00	1.00	810620	0.108	Biotitic alteration	3%	
109.00	110.00	1.00	810621	0.062	Biotitic alteration	2%	
110.00	111.00	1.00	810622	0.111	Biotitic alteration	7%	
111.00	112.00	1.00	810623	0.009	Biotitic alteration	5%	
112.00	113.00	1.00	810625	0.009	Biotitic alteration	2%	
113.00	114.00	1.00	810626	0.011	Biotitic alteration	3%	
114.00	115.00	1.00	810627	0.009	Biotitic alteration	2%	
115.00	116.00	1.00	810628	0.036	Biotitic alteration	1%	
116.00	117.00	1.00	810629	0.030	Biotitic alteration	1%	
117.00	118.00	1.00	810631	0.005	Biotitic alteration	2%	
118.00	119.00	1.00	810632	0.026	Biotitic alteration	0%	
119.00	120.00	1.00	810633	0.025	Biotitic alteration	0%	
120.00	121.00	1.00	810634	0.021	Biotitic alteration	2%	
121.00	122.00	1.00	810635	0.014	Biotitic alteration	0%	
122.00	123.00	1.00	810637	0.025	Biotitic alteration	2%	
123.00	123.98	0.98	810638	0.036	Biotitic alteration	1%	
123.98	125.00	1.02	810639	0.054	Biotitic alteration	5%	
125.00	126.00	1.00	810640	0.101	Biotitic alteration	5%	
126.00	127.15	1.15	810641	0.092	Biotitic alteration	1%	
127.15	128.30	1.15	810642	0.463	Sericitic alteration	10%	
128.30	129.00	0.70	810643	0.106	Biotitic alteration	2%	
129.00	130.00	1.00	810644	0.265	Biotitic alteration	3%	
130.00	131.00	1.00	810645	0.743	Biotitic alteration	2%	
131.00	132.00	1.00	810646	0.160	Biotitic alteration	1%	
132.00	133.00	1.00	810647	0.060	Biotitic alteration	0%	
133.00	134.00	1.00	810649	0.088	Biotitic alteration	1%	
134.00	135.00	1.00	810651	0.076	Sericitic alteration	1%	
135.00	136.00	1.00	810652	0.109	Sericitic alteration	3%	
136.00	137.00	1.00	810653	0.102	Sericitic alteration	2%	
137.00	138.00	1.00	810654	0.271	Sericitic alteration	3%	

138.00	138.97	0.97	810655	0.062	Sericitic alteration	7%	
138.97	140.34	1.37	810656	0.048	Sericitic alteration	7%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>140.34</b>	<b>141.14</b>	<b>Diabase</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
140.34	141.14	0.80	810657	0.005	Epidote alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>141.14</b>	<b>154.50</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
141.14	142.00	0.86	810658	0.008	Sericitic alteration	1%	
142.00	143.00	1.00	810659	0.030	Sericitic alteration	3%	
143.00	144.00	1.00	810661	0.136	Sericitic alteration	3%	
144.00	145.00	1.00	810662	0.027	Sericitic alteration	1%	
145.00	146.33	1.33	810663	0.075	Sericitic alteration	2%	
146.33	147.00	0.67	810664	0.058	Biotitic alteration	2%	
147.00	148.00	1.00	810665	0.059	Biotitic alteration	1%	
148.00	149.00	1.00	810666	0.026	Biotitic alteration	1%	
149.00	150.00	1.00	810667	0.024	Biotitic alteration	1%	
150.00	151.00	1.00	810668	0.014	Biotitic alteration	0%	
151.00	152.00	1.00	810669	0.032	Biotitic alteration	0%	
152.00	153.00	1.00	810671	0.052	Biotitic alteration	2%	
153.00	154.00	1.00	810673	0.169	Biotitic alteration	3%	
154.00	154.50	0.50	810674	0.086	Biotitic alteration	4%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>154.50</b>	<b>156.00</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
154.50	156.00	1.50	810675	0.043	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>156.00</b>	<b>157.00</b>	<b>Quartz Diorite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
156.00	157.00	1.00	810676	0.059	Chloritic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>157.00</b>	<b>158.64</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
157.00	158.00	1.00	810677	0.026	Chloritic alteration	2%	
158.00	158.64	0.64	810678	0.006	Chloritic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>158.64</b>	<b>160.48</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
158.64	159.56	0.92	810679	0.034	Biotitic alteration	2%	
159.56	160.48	0.92	810680	0.051	Biotitic alteration	2%	



<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>160.48</b>	<b>161.74</b>	<b>Quartz Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
160.48	161.74	1.26	810681	0.027	Chloritic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>161.74</b>	<b>164.13</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
161.74	163.00	1.26	810682	0.061	Biotitic alteration	1%	
163.00	164.13	1.13	810683	0.017	Biotitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>164.13</b>	<b>165.21</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
164.13	165.21	1.08	810685	0.095	Chloritic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>165.21</b>	<b>202.96</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
165.21	166.00	0.79	810686	0.041	Biotitic alteration	1%	
166.00	167.00	1.00	810687	0.020	Biotitic alteration	2%	
167.00	168.00	1.00	810688	0.025	Biotitic alteration	1%	
168.00	169.00	1.00	810689	0.027	Biotitic alteration	5%	
169.00	170.00	1.00	810691	0.040	Biotitic alteration	3%	
170.00	171.00	1.00	810692	0.078	Biotitic alteration	4%	
171.00	172.00	1.00	810693	0.091	Biotitic alteration	3%	
172.00	173.00	1.00	810694	0.024	Biotitic alteration	3%	
173.00	174.00	1.00	810695	0.018	Biotitic alteration	1%	
174.00	175.00	1.00	810697	0.045	Biotitic alteration	1%	
175.00	176.00	1.00	810698	0.095	Sericitic alteration	3%	
176.00	177.00	1.00	810699	0.019	Biotitic alteration	1%	
177.00	178.00	1.00	810700	0.017	Chloritic alteration	1%	
178.00	179.23	1.23	810701	0.035	Chloritic alteration	2%	
179.23	180.23	1.00	810702	0.106	Sericitic alteration	20%	
180.23	181.00	0.77	810703	0.029	Biotitic alteration	2%	
181.00	182.00	1.00	810704	0.005	Biotitic alteration	1%	
182.00	183.25	1.25	810705	0.019	Chloritic alteration	20%	
183.25	184.63	1.38	810706	0.030	Sericitic alteration	4%	
184.63	185.12	0.49	810707	0.067	Silica–Sodic alteration	2%	
185.12	186.00	0.88	810708	0.035	Biotitic alteration	1%	
186.00	187.00	1.00	810709	0.282	Biotitic alteration	2%	
187.00	188.00	1.00	810711	0.743	Biotitic alteration	2%	
188.00	189.00	1.00	810713	0.033	Biotitic alteration	4%	
189.00	190.00	1.00	810714	0.019	Biotitic alteration	1%	
190.00	191.00	1.00	810715	0.023	Biotitic alteration	1%	

191.00	192.00	1.00	810716	0.025	Biotitic alteration	0%
192.00	193.00	1.00	810717	0.028	Biotitic alteration	2%
193.00	194.00	1.00	810718	0.070	Biotitic alteration	1%
194.00	195.00	1.00	810719	0.014	Biotitic alteration	1%
195.00	196.00	1.00	810720	0.138	Biotitic alteration	1%
196.00	197.00	1.00	810721	0.075	Biotitic alteration	5%
197.00	198.00	1.00	810722	0.047	Biotitic alteration	0%
198.00	199.00	1.00	810723	0.070	Biotitic alteration	3%
199.00	200.00	1.00	810725	0.064	Biotitic alteration	1%
200.00	201.00	1.00	810726	0.111	Biotitic alteration	1%
201.00	202.00	1.00	810727	0.070	Biotitic alteration	2%
202.00	202.96	0.96	810728	0.111	Biotitic alteration	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>202.96</b>	<b>203.46</b>	<b>Hydrothermal Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
202.96	203.46	0.50	810729	0.479	Biotitic alteration	25%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>203.46</b>	<b>206.36</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
203.46	204.50	1.04	810731	0.066	Chloritic alteration	3%	
204.50	205.50	1.00	810732	0.068	Biotitic alteration	2%	
205.50	206.36	0.86	810733	0.159	Biotitic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>206.36</b>	<b>207.72</b>	<b>Hydrothermal Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
206.36	207.00	0.64	810734	0.051	Chloritic alteration	30%	
207.00	207.72	0.72	810735	0.041	Chloritic alteration	25%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>207.72</b>	<b>306.46</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
207.72	209.00	1.28	810737	0.106	Chloritic alteration	4%	
209.00	210.09	1.09	810738	0.145	Chloritic alteration	15%	Small HdBx patch in interval
210.09	211.00	0.91	810739	0.054	Chloritic alteration	3%	
211.00	212.00	1.00	810740	0.016	Biotitic alteration	0%	
212.00	213.00	1.00	810741	0.016	Biotitic alteration	1%	
213.00	214.06	1.06	810742	0.039	Biotitic alteration	3%	
214.06	215.00	0.94	810743	0.045	Biotitic alteration	0%	
215.00	216.00	1.00	810744	0.062	Biotitic alteration	1%	
216.00	217.00	1.00	810745	0.089	Biotitic alteration	2%	
217.00	218.00	1.00	810746	0.108	Biotitic alteration	1%	
218.00	219.00	1.00	810747	0.107	Biotitic alteration	1%	
219.00	220.00	1.00	810749	0.017	Biotitic alteration	3%	

220.00	220.70	0.70	810751	0.029	Biotitic alteration	0%
220.70	222.00	1.30	810752	0.622	Biotitic alteration	1%
222.00	223.00	1.00	810753	0.071	Biotitic alteration	1%
223.00	224.00	1.00	810754	0.100	Biotitic alteration	0%
224.00	225.10	1.10	810755	0.135	Biotitic alteration	3%
225.10	226.00	0.90	810756	0.031	Biotitic alteration	1%
226.00	227.00	1.00	810757	0.239	Biotitic alteration	2%
227.00	228.00	1.00	810758	0.054	Biotitic alteration	1%
228.00	229.00	1.00	810759	0.468	Biotitic alteration	1%
229.00	230.00	1.00	810761	0.131	Biotitic alteration	2%
230.00	231.00	1.00	810762	0.140	Biotitic alteration	1%
231.00	232.00	1.00	810763	0.060	Biotitic alteration	3%
232.00	233.00	1.00	810764	0.157	Biotitic alteration	5%
233.00	234.00	1.00	810765	0.025	Biotitic alteration	2%
234.00	234.70	0.70	810766	0.053	Biotitic alteration	3%
234.70	236.00	1.30	810767	0.072	Sericitic alteration	10%
236.00	237.00	1.00	810768	1.571	Chloritic alteration	1%
237.00	238.00	1.00	810769	1.023	Chloritic alteration	0%
238.00	239.00	1.00	810771	0.119	Chloritic alteration	1%
239.00	240.00	1.00	810773	1.939	Chloritic alteration	2%
240.00	241.00	1.00	810774	0.108	Chloritic alteration	4%
241.00	242.00	1.00	810775	0.687	Chloritic alteration	3%
242.00	243.00	1.00	810776	0.522	Chloritic alteration	3%
243.00	244.00	1.00	810777	0.128	Chloritic alteration	1%
244.00	245.00	1.00	810778	0.063	Chloritic alteration	2%
245.00	246.00	1.00	810779	0.577	Chloritic alteration	3%
246.00	247.00	1.00	810780	0.136	Chloritic alteration	4%
247.00	248.00	1.00	810781	0.210	Chloritic alteration	2%
248.00	249.00	1.00	810782	0.268	Sericitic alteration	4%
249.00	250.00	1.00	810783	0.133	Sericitic alteration	2%
250.00	251.00	1.00	810785	0.137	Sericitic alteration	3%
251.00	252.00	1.00	810786	0.201	Chloritic alteration	2%
252.00	253.00	1.00	810787	0.005	Sericitic alteration	5%
253.00	254.00	1.00	810788	0.226	Chloritic alteration	1%
254.00	255.00	1.00	810789	0.533	Chloritic alteration	2%
255.00	256.00	1.00	810791	0.154	Chloritic alteration	0%
256.00	257.00	1.00	810792	2.575	Chloritic alteration	4%
257.00	258.00	1.00	810793	0.216	Chloritic alteration	1%
258.00	259.00	1.00	810794	0.442	Chloritic alteration	4%
259.00	260.00	1.00	810795	0.150	Chloritic alteration	1%
260.00	261.00	1.00	810797	0.178	Chloritic alteration	5%
261.00	262.00	1.00	810798	0.126	Chloritic alteration	2%

262.00	263.00	1.00	810799	0.175	Chloritic alteration	3%
263.00	264.00	1.00	810800	0.124	Silicified	3%
264.00	265.00	1.00	810801	0.081	Sericitic alteration	1%
265.00	266.00	1.00	810802	0.155	Sericitic alteration	2%
266.00	267.00	1.00	810803	0.124	Sericitic alteration	5%
267.00	268.00	1.00	810804	0.457	Sericitic alteration	5%
268.00	269.00	1.00	810805	1.340	Sericitic alteration	3%
269.00	270.00	1.00	810806	0.434	Chloritic alteration	2%
270.00	271.00	1.00	810807	0.246	Chloritic alteration	2%
271.00	272.48	1.48	810808	0.114	Sericitic alteration	2%
272.48	273.54	1.06	810809	0.245	Sericitic alteration	7%
273.54	275.00	1.46	810811	0.045	Chloritic alteration	0%
275.00	276.00	1.00	810813	0.382	Chloritic alteration	0%
276.00	277.00	1.00	810814	0.052	Chloritic alteration	0%
277.00	278.00	1.00	810815	0.171	Sericitic alteration	5%
278.00	279.00	1.00	810816	0.054	Chloritic alteration	3%
279.00	280.00	1.00	810817	0.082	Chloritic alteration	2%
280.00	280.90	0.90	810818	0.184	Chloritic alteration	10%
280.90	282.00	1.10	810819	0.159	Chloritic alteration	1%
282.00	283.00	1.00	810820	0.277	Chloritic alteration	5%
283.00	284.00	1.00	810821	0.105	Chloritic alteration	4%
284.00	285.00	1.00	810822	1.563	Chloritic alteration	5%
285.00	286.00	1.00	810823	0.093	Biotitic alteration	3%
286.00	287.00	1.00	810825	0.134	Biotitic alteration	1%
287.00	288.00	1.00	810826	0.031	Biotitic alteration	2%
288.00	289.00	1.00	810827	0.009	Biotitic alteration	1%
289.00	290.00	1.00	810828	0.082	Biotitic alteration	2%
290.00	291.00	1.00	810829	1.689	Biotitic alteration	1%
291.00	292.00	1.00	810831	0.065	Biotitic alteration	1%
292.00	293.00	1.00	810832	0.089	Biotitic alteration	2%
293.00	294.00	1.00	810833	0.143	Biotitic alteration	2%
294.00	295.00	1.00	810834	0.049	Biotitic alteration	2%
295.00	296.00	1.00	810835	0.374	Biotitic alteration	2%
296.00	297.00	1.00	810837	0.494	Biotitic alteration	1%
297.00	298.00	1.00	810838	0.760	Biotitic alteration	2%
298.00	299.00	1.00	810839	0.521	Biotitic alteration	2%
299.00	300.00	1.00	810840	0.230	Biotitic alteration	2%
300.00	301.00	1.00	810841	0.042	Biotitic alteration	2%
301.00	302.00	1.00	810842	0.084	Biotitic alteration	1%
302.00	303.00	1.00	810843	0.065	Biotitic alteration	2%
303.00	304.00	1.00	810844	0.016	Biotitic alteration	1%
304.00	305.00	1.00	810845	0.063	Biotitic alteration	3%

305.00	306.46	1.46	810846	1.115	Silica–Sodic alteration	2%	
<b>From</b> <b>306.46</b>	<b>To</b> <b>306.98</b>		<b>Lithologic Group</b> <b>Mafic Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
306.46	306.98	0.52	810847	0.246	Chloritic alteration	10%	
<b>From</b> <b>306.98</b>	<b>To</b> <b>364.00</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
306.98	308.00	1.02	810849	0.117	Sericitic alteration	3%	
308.00	309.00	1.00	810851	0.125	Sericitic alteration	3%	
309.00	310.00	1.00	810852	0.074	Sericitic alteration	2%	
310.00	311.00	1.00	810853	0.082	Sericitic alteration	2%	
311.00	312.10	1.10	810854	1.241	Sericitic alteration	3%	5 small specks of vg + te? In qtz-cb-chl vn
312.10	313.00	0.90	810856	0.587	Sericitic alteration	2%	
313.00	314.00	1.00	810857	0.208	Sericitic alteration	4%	
314.00	315.00	1.00	810858	0.506	Sericitic alteration	4%	4 very small cpecks of vg in a cluster
315.00	316.00	1.00	810861	0.558	Sericitic alteration	2%	
316.00	317.00	1.00	810862	0.139	Sericitic alteration	5%	
317.00	318.00	1.00	810863	0.156	Sericitic alteration	3%	
318.00	319.00	1.00	810864	1.277	Sericitic alteration	3%	
319.00	320.00	1.00	810865	0.387	Sericitic alteration	2%	
320.00	321.00	1.00	810866	0.296	Chloritic alteration	10%	
321.00	322.00	1.00	810867	1.101	Chloritic alteration	3%	
322.00	323.00	1.00	810868	1.754	Chloritic alteration	1%	
323.00	324.00	1.00	810869	0.619	Chloritic alteration	3%	
324.00	325.00	1.00	810871	0.124	Sericitic alteration	1%	
325.00	326.00	1.00	810873	0.099	Sericitic alteration	2%	
326.00	327.00	1.00	810874	0.538	Sericitic alteration	3%	
327.00	328.40	1.40	810875	0.517	Sericitic alteration	1%	
328.40	329.40	1.00	810876	0.987	Sericitic alteration	5%	
329.40	330.00	0.60	810877	0.567	Sericitic alteration	3%	
330.00	331.00	1.00	810878	0.277	Sericitic alteration	5%	
331.00	332.00	1.00	810879	0.531	Sericitic alteration	2%	
332.00	333.00	1.00	810880	0.678	Sericitic alteration	1%	
333.00	334.00	1.00	810881	0.511	Sericitic alteration	50%	
334.00	335.00	1.00	810882	0.289	Sericitic alteration	2%	
335.00	336.00	1.00	810883	1.503	Biotitic alteration	2%	
336.00	337.00	1.00	810885	0.213	Biotitic alteration	0%	
337.00	338.00	1.00	810886	0.522	Sericitic alteration	0%	
338.00	339.00	1.00	810887	1.871	Sericitic alteration	2%	
339.00	340.00	1.00	810888	0.239	Sericitic alteration	2%	

340.00	341.00	1.00	810889	0.738	Biotitic alteration	2%
341.00	342.00	1.00	810891	0.094	Sericitic alteration	1%
342.00	343.00	1.00	810892	0.284	Biotitic alteration	2%
343.00	344.00	1.00	810893	0.412	Sericitic alteration	0%
344.00	345.00	1.00	810894	0.470	Sericitic alteration	0%
345.00	346.00	1.00	810895	0.254	Sericitic alteration	2%
346.00	347.00	1.00	810897	0.089	Sericitic alteration	2%
347.00	348.00	1.00	810898	0.514	Sericitic alteration	3%
348.00	349.00	1.00	810899	0.822	Sericitic alteration	3%
349.00	350.00	1.00	810900	0.422	Sericitic alteration	5%
350.00	351.00	1.00	810901	1.569	Sericitic alteration	2%
351.00	352.00	1.00	810902	0.244	Sericitic alteration	3%
352.00	353.50	1.50	810903	0.333	Sericitic alteration	2%
353.50	354.50	1.00	810904	0.238	Silica–Sodic alteration	2%
354.50	356.00	1.50	810905	0.320	Sericitic alteration	3%
356.00	357.00	1.00	810906	0.677	Sericitic alteration	3%
357.00	358.00	1.00	810907	0.471	Sericitic alteration	3%
358.00	359.00	1.00	810908	0.631	Sericitic alteration	2%
359.00	360.20	1.20	810909	1.908	Sericitic alteration	2%
360.20	361.00	0.80	810911	0.467	Sericitic alteration	1%
361.00	362.00	1.00	810913	0.608	Sericitic alteration	5%
362.00	363.05	1.05	810914	1.026	Sericitic alteration	25%
363.05	364.00	0.95	810915	0.281	Sericitic alteration	2%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>364.00</b>	<b>364.90</b>	<b>Tonalite Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
364.00	364.90	0.90	810916	0.424	Sericitic alteration	1%	Overprinted, remnant fragments distinguishable

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>364.90</b>	<b>403.24</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
364.90	365.75	0.85	810917	0.906	Sericitic alteration	4%	
365.75	367.00	1.25	810918	0.584	Sericitic alteration	2%	
367.00	368.00	1.00	810919	0.676	Sericitic alteration	2%	
368.00	369.00	1.00	810920	1.224	Sericitic alteration	2%	
369.00	369.80	0.80	810921	0.709	Sericitic alteration	3%	
369.80	370.80	1.00	810922	4.120	Sericitic alteration	25%	
370.80	372.00	1.20	810923	0.770	Sericitic alteration	5%	
372.00	373.00	1.00	810925	3.920	Sericitic alteration	3%	
373.00	374.00	1.00	810926	3.820	Sericitic alteration	3%	
374.00	375.00	1.00	810927	0.510	Sericitic alteration	3%	
375.00	376.00	1.00	810928	0.562	Sericitic alteration	4%	

376.00	377.00	1.00	810929	0.270	Sericitic alteration	6%
377.00	378.00	1.00	810931	0.774	Sericitic alteration	3%
378.00	379.00	1.00	810932	0.334	Sericitic alteration	2%
379.00	380.00	1.00	810933	1.042	Sericitic alteration	3%
380.00	381.00	1.00	810934	1.396	Sericitic alteration	3%
381.00	382.00	1.00	810935	1.645	Sericitic alteration	3%
382.00	383.00	1.00	810937	0.197	Sericitic alteration	8%
383.00	384.00	1.00	810938	0.326	Sericitic alteration	5%
384.00	385.00	1.00	810939	1.627	Sericitic alteration	3%
385.00	386.00	1.00	810940	0.252	Sericitic alteration	3%
386.00	387.00	1.00	810941	0.632	Sericitic alteration	6%
387.00	388.00	1.00	810942	0.827	Sericitic alteration	4%
388.00	389.00	1.00	810943	0.178	Sericitic alteration	5%
389.00	390.00	1.00	810944	0.712	Sericitic alteration	8%
390.00	391.00	1.00	810945	0.452	Sericitic alteration	8%
391.00	392.00	1.00	810946	0.303	Sericitic alteration	6%
392.00	393.00	1.00	810947	0.681	Sericitic alteration	4%
393.00	394.00	1.00	810949	0.286	Sericitic alteration	3%
394.00	395.00	1.00	810951	0.614	Sericitic alteration	4%
395.00	396.12	1.12	810952	0.219	Sericitic alteration	6%
396.12	397.15	1.03	810953	0.927	Sericitic alteration	3%
397.15	398.00	0.85	810954	0.063	Silica–Sodic alteration	3%
398.00	399.00	1.00	810955	0.409	Silica–Sodic alteration	3%
399.00	400.00	1.00	810956	0.661	Sericitic alteration	3%
400.00	401.00	1.00	810957	0.194	Sericitic alteration	3%
401.00	402.00	1.00	810958	0.405	Sericitic alteration	3%
402.00	403.24	1.24	810959	0.367	Sericitic alteration	4%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>403.24</b>	<b>404.00</b>	<b>Lamprophyre Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
403.24	404.00	0.76	810961	0.023	Unaltered	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>404.00</b>	<b>408.28</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
404.00	405.00	1.00	810962	1.760	Chloritic alteration	5%	
405.00	406.00	1.00	810964	0.302	Chloritic alteration	2%	
406.00	407.00	1.00	810965	0.484	Chloritic alteration	4%	
407.00	408.28	1.28	810966	0.717	Chloritic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>408.28</b>	<b>411.00</b>	<b>Lamprophyre Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
408.28	409.00	0.72	810967	0.006	Unaltered	2%	

409.00	410.00	1.00	810968	0.014	Unaltered	2%
410.00	411.00	1.00	810969	0.006	Unaltered	1%



# DRILL HOLE REPORT

Drill Hole **GOS19-32** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 190.0  
 Dip -60.0  
 Length 474.0 m  
 Started 05-Nov-19  
 Completed 13-Nov-19  
 Logged 08-Jan-20  
 Logged by Laura Katz  
 Target  
 Comments LK 0-193.32m BT 193.32-474m  
 Re-Validated L.G

Company  
 Contractor NPLH  
 Position  
 Bore Size NQ  
 Sample Storage Klondike Camp  
 Casing STEEL  
 Condition Capped

Survey Details:

Claim Number PAT-11127  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool GPS

Coordinates:

Easting 430859.22  
 UTM Datum NAD83 Northing 5267893.37  
 UTM Zone 17 Elevation 385.58

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
9.0	185.60	-59.70	54802	RM	Poor	51.0	189.50	-59.50	55668	RM	
24.0	187.40	-59.10	55843	RM	Poor	54.0	188.40	-59.40	55650	RM	
27.0	189.50	-59.60	55815	RM		60.0	188.20	-59.40	52986	RM	
30.0	189.90	-59.40	55783	RM		66.0	189.40	-59.40	55677	RM	
33.0	189.40	-59.40	55767	RM		69.0	189.50	-59.40	55647	RM	
36.0	189.50	-59.40	55723	RM		72.0	189.50	-59.40	55649	RM	
39.0	189.30	-59.50	55732	RM		75.0	189.20	-59.40	55672	RM	
42.0	189.50	-59.40	55705	RM		78.0	189.50	-59.30	55664	RM	
45.0	188.90	-59.50	55694	RM		81.0	189.50	-59.40	55657	RM	
48.0	189.40	-59.60	55692	RM		84.0	189.40	-59.40	55659	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
90.0	189.80	-59.30	55606	RM	
93.0	187.20	-59.30	55640	RM	
96.0	189.50	-59.40	55612	RM	
99.0	189.50	-59.30	55641	RM	
102.0	189.40	-59.30	55621	RM	
105.0	189.40	-59.40	55614	RM	
108.0	188.30	-59.90	55611	RM	
111.0	189.20	-59.40	55620	RM	
114.0	190.60	-59.30	55599	RM	
120.0	188.50	-59.30	55595	RM	
123.0	189.00	-59.30	55630	RM	
126.0	188.60	-59.30	55609	RM	
132.0	188.70	-59.30	55610	RM	
135.0	188.90	-59.30	55596	RM	
138.0	189.00	-59.20	55586	RM	
141.0	188.60	-59.40	55640	RM	
144.0	188.70	-59.30	55621	RM	
147.0	188.30	-59.20	55598	RM	
150.0	188.20	-59.30	55615	RM	
153.0	189.80	-59.20	55589	RM	
156.0	189.20	-59.20	55613	RM	
159.0	189.40	-59.20	55614	RM	
162.0	189.40	-58.80	55634	RM	
165.0	189.80	-59.10	55609	RM	
168.0	190.30	-59.00	55615	RM	
171.0	189.80	-59.10	55608	RM	
174.0	189.80	-59.10	55555	RM	
177.0	190.50	-58.80	55601	RM	
180.0	189.60	-59.10	55583	RM	
183.0	190.10	-59.10	55578	RM	
186.0	189.50	-59.20	55422	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
189.0	189.70	-59.10	55591	RM	
192.0	189.70	-59.10	55586	RM	
195.0	189.80	-59.10	55591	RM	
198.0	189.20	-59.00	55586	RM	
201.0	189.80	-59.10	55595	RM	
204.0	189.70	-59.00	55598	RM	
207.0	190.00	-59.00	55539	RM	
210.0	189.90	-59.00	55643	RM	
213.0	189.90	-58.90	55598	RM	
216.0	190.10	-59.10	55606	RM	
219.0	190.00	-59.00	55607	RM	
222.0	187.70	-58.70	55598	RM	
225.0	190.10	-58.90	55605	RM	
228.0	192.30	-58.30	55475	RM	
231.0	190.50	-59.00	55417	RM	
234.0	190.20	-59.00	55594	RM	
237.0	189.90	-59.00	55586	RM	
240.0	189.90	-59.00	55563	RM	
243.0	190.20	-59.00	55591	RM	
246.0	190.10	-59.10	55632	RM	
249.0	189.70	-59.00	55611	RM	
252.0	190.00	-59.00	55606	RM	
255.0	189.80	-59.00	55630	RM	
258.0	190.30	-58.80	55477	RM	
261.0	191.00	-58.40	55640	RM	
264.0	190.10	-59.00	55610	RM	
267.0	190.10	-59.00	55587	RM	
270.0	190.40	-59.30	55581	RM	
273.0	190.30	-59.00	55577	RM	
276.0	190.20	-58.90	55589	RM	
279.0	190.30	-58.90	55609	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
282.0	190.00	-59.00	55420	RM	
285.0	190.30	-59.00	55635	RM	
288.0	190.20	-59.00	55612	RM	
291.0	190.60	-58.90	55603	RM	
294.0	190.50	-58.90	55602	RM	
297.0	190.30	-58.80	55579	RM	
300.0	190.60	-58.80	55575	RM	
303.0	190.30	-58.80	55562	RM	
306.0	190.30	-58.80	55604	RM	
309.0	190.70	-58.80	55610	RM	
312.0	190.80	-58.80	55608	RM	
315.0	191.00	-58.70	55628	RM	
318.0	191.30	-58.70	55603	RM	
321.0	191.00	-58.60	55658	RM	
324.0	190.40	-59.10	55731	RM	
327.0	191.40	-58.60	55696	RM	
330.0	191.20	-58.60	55545	RM	
333.0	190.70	-58.60	55880	RM	
339.0	190.50	-58.60	55536	RM	
342.0	192.20	-58.40	55322	RM	
345.0	192.20	-58.20	55536	RM	
348.0	190.90	-58.20	55752	RM	
351.0	190.90	-58.20	56167	RM	
354.0	191.50	-58.20	55637	RM	
357.0	191.30	-58.20	55649	RM	
360.0	191.40	-58.10	55615	RM	
363.0	191.40	-58.10	55624	RM	
366.0	191.50	-58.10	55633	RM	
369.0	192.20	-57.90	55588	RM	
372.0	191.50	-58.00	55602	RM	
375.0	191.70	-58.00	55628	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
378.0	191.70	-58.00	55535	RM	
381.0	191.30	-58.00	55605	RM	
387.0	191.90	-58.80	55580	RM	
390.0	191.60	-57.90	55627	RM	
393.0	191.60	-57.90	55588	RM	
399.0	191.00	-57.70	55609	RM	
402.0	191.60	-57.70	55558	RM	
405.0	191.80	-57.70	55689	RM	
408.0	191.80	-57.70	55615	RM	
411.0	191.90	-57.70	55588	RM	
417.0	191.70	-57.60	55523	RM	
426.0	191.70	-57.50	55691	RM	
429.0	191.70	-57.50	55654	RM	
432.0	191.80	-57.40	55631	RM	
435.0	191.90	-57.30	55645	RM	
438.0	191.50	-57.30	55653	RM	
441.0	191.90	-57.20	55672	RM	
444.0	192.50	-57.20	54666	RM	
447.0	190.90	-57.10	55963	RM	
450.0	192.50	-57.10	55686	RM	
453.0	192.30	-57.00	55649	RM	
456.0	192.30	-57.00	55618	RM	
459.0	192.90	-56.90	55593	RM	
462.0	192.80	-56.80	55656	RM	
465.0	192.40	-56.80	55597	RM	

From	To	Lithologic Group					
0.00	6.00	Overburden					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	6.00	6.00			Unaltered		
From	To	Lithologic Group					
6.00	6.97	Diorite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
6.00	6.97	0.97	1082169	0.355	Chloritic alteration	1%	
From	To	Lithologic Group					
6.97	22.17	Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
6.97	8.00	1.03	1082171	0.735	Sericitic alteration	0%	
8.00	9.00	1.00	1082173	2.603	Sericitic alteration	6%	
9.00	10.00	1.00	1082174	0.161	Sericitic alteration	0%	
10.00	11.35	1.35	1082175	0.876	Sericitic alteration	0%	
11.35	12.00	0.65	1082176	0.639	Sericitic alteration	0%	
12.00	13.00	1.00	1082177	0.100	Sericitic alteration	0%	
13.00	14.00	1.00	1082178	0.161	Sericitic alteration	0%	Possible breccia matrix from 13.6-13.8 m; abundant sulphides in the matrix area
14.00	14.85	0.85	1082179	0.131	Sericitic alteration	0%	
14.85	16.00	1.15	1082180	0.863	Sericitic alteration	0%	Possible breccia matrix from 15.07-15.28 m; abundant sulphides in the matrix area
16.00	17.00	1.00	1082181	0.053	Sericitic alteration	0%	Small diabase dike from 16.1-16.35 m
17.00	18.00	1.00	1082182	0.086	Sericitic alteration	1%	
18.00	19.00	1.00	1082183	0.062	Sericitic alteration	0%	
19.00	20.40	1.40	1082185	0.028	Sericitic alteration	1%	
20.40	21.00	0.60	1082186	0.012	Sericitic alteration	0%	
21.00	22.17	1.17	1082187	0.046	Sericitic alteration	0%	
From	To	Lithologic Group					
22.17	24.66	Diabase					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
22.17	23.00	0.83	1082188	0.006	Epidote alteration	0%	
23.00	24.00	1.00	1082189	0.005	Epidote alteration	0%	
24.00	24.66	0.66	1082191	0.017	Epidote alteration	1%	

<b>From</b> 24.66	<b>To</b> 45.31	<b>Lithologic Group</b>					
							<b>Tonalite</b>
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
24.66	25.50	0.84	1082192	0.028	Sericitic alteration	0%	
25.50	26.34	0.84	1082193	0.199	Sericitic alteration	0%	
26.34	27.00	0.66	1082194	0.353	Sericitic alteration	0%	
27.00	28.00	1.00	1082195	1.386	Sericitic alteration	1%	
28.00	28.84	0.84	1082197	0.287	Sericitic alteration	1%	
28.84	30.00	1.16	1082198	0.038	Sericitic alteration	1%	
30.00	31.00	1.00	1082199	0.036	Sericitic alteration	1%	
31.00	32.00	1.00	1082200	0.035	Sericitic alteration	1%	
32.00	33.50	1.50	1082201	0.058	Sericitic alteration	1%	
33.50	35.00	1.50	1082202	0.157	Sericitic alteration	1%	
35.00	36.08	1.08	1082203	0.067	Sericitic alteration	2%	
36.08	37.00	0.92	1082204	0.016	Sericitic alteration	4%	Small lamp dike at 36.08-36.37 m
37.00	38.28	1.28	1082205	0.015	Sericitic alteration	4%	
38.28	39.00	0.72	1082206	0.142	Sericitic alteration	1%	
39.00	40.00	1.00	1082207	0.050	Sericitic alteration	1%	
40.00	41.00	1.00	1082208	0.023	Sericitic alteration	3%	
41.00	42.00	1.00	1082209	0.057	Sericitic alteration	1%	small breccia patch from 41.33-41.57 m
42.00	43.00	1.00	1082211	0.012	Sericitic alteration	1%	
43.00	44.00	1.00	1082213	0.082	Sericitic alteration	0%	
44.00	45.31	1.31	1082214	0.216	Sericitic alteration	1%	
<b>From</b> 45.31	<b>To</b> 49.72	<b>Lithologic Group</b>					
							<b>Diorite</b>
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
45.31	46.00	0.69	1082215	0.277	Biotitic alteration	1%	
46.00	47.00	1.00	1082216	0.947	Biotitic alteration	2%	
47.00	48.00	1.00	1082217	0.032	Biotitic alteration	2%	
48.00	49.00	1.00	1082218	0.168	Biotitic alteration	1%	
49.00	49.72	0.72	1082219	0.030	Biotitic alteration	0%	
<b>From</b> 49.72	<b>To</b> 89.90	<b>Lithologic Group</b>					
							<b>Tonalite</b>
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
49.72	51.00	1.28	1082220	0.168	Sericitic alteration	6%	
51.00	52.00	1.00	1082221	0.144	Biotitic alteration	1%	
52.00	53.00	1.00	1082222	0.022	Sericitic alteration	0%	
53.00	54.00	1.00	1082223	0.041	Sericitic alteration	0%	
54.00	54.94	0.94	1082225	0.022	Biotitic alteration	1%	
54.94	56.00	1.06	1082226	0.022	Biotitic alteration	1%	
56.00	57.00	1.00	1082227	0.011	Biotitic alteration	0%	

57.00	58.00	1.00	1082228	0.034	Biotitic alteration	0%	
58.00	59.00	1.00	1082229	0.068	Biotitic alteration	0%	
59.00	60.00	1.00	1082231	0.087	Biotitic alteration	0%	
60.00	61.00	1.00	1082232	0.051	Biotitic alteration	0%	
61.00	62.00	1.00	1082233	0.037	Biotitic alteration	0%	
62.00	63.00	1.00	1082234	0.061	Biotitic alteration	0%	
63.00	64.00	1.00	1082235	0.058	Biotitic alteration	1%	Diorite fragment
64.00	65.00	1.00	1082237	0.188	Biotitic alteration	0%	
65.00	65.56	0.56	1082238	0.033	Biotitic alteration	0%	
65.56	67.00	1.44	1082239	0.071	Sericitic alteration	1%	
67.00	68.00	1.00	1082240	0.186	Sericitic alteration	1%	
68.00	69.00	1.00	1082241	0.119	Sericitic alteration	8%	
69.00	70.37	1.37	1082242	0.134	Sericitic alteration	1%	
70.37	71.68	1.31	1082243	0.143	Sericitic alteration	1%	
71.68	73.00	1.32	1082244	0.122	Sericitic alteration	1%	small breccia patch from 71.77-71.84 m
73.00	74.00	1.00	1082245	0.607	Sericitic alteration	1%	
74.00	74.60	0.60	1082246	0.203	Sericitic alteration	1%	
74.60	75.65	1.05	1082247	0.339	Sericitic alteration	1%	Two small diabase dikes in sample from 74.79-74.95 m and 75.16-75.15 m
75.65	77.00	1.35	1082249	0.176	Sericitic alteration	2%	
77.00	78.00	1.00	1082251	0.082	Sericitic alteration	4%	
78.00	79.00	1.00	1082252	0.118	Sericitic alteration	1%	
79.00	80.00	1.00	1082253	0.121	Sericitic alteration	1%	few cm sized dr fragment
80.00	80.71	0.71	1082254	0.419	Sericitic alteration	1%	
80.71	81.76	1.05	1082255	1.970	Sericitic alteration	7%	(SOD)
81.76	83.00	1.24	1082256	0.508	Silicified	1%	(SOD)
83.00	84.00	1.00	1082257	0.218	Silicified	1%	(SOD)
84.00	85.00	1.00	1082258	0.267	Silicified	2%	(SOD)
85.00	85.94	0.94	1082259	0.250	Silicified	1%	(SOD)
85.94	87.00	1.06	1082261	0.284	Silicified	1%	(SOD)
87.00	87.97	0.97	1082262	0.055	Silicified	1%	(SOD)
87.97	88.80	0.83	1082263	0.019	Silicified	1%	(SOD)
88.80	89.90	1.10	1082264	0.051	Silicified	5%	(SOD) 3 cgr specks or clusters of Moly in alt halo adjacent to vein

From	To	Lithologic Group					
89.90	90.32	Diorite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
89.90	90.32	0.42	1082265	0.327	Chloritic alteration	1%	

From	To	Lithologic Group					
90.32	104.92	Tonalite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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90.32	91.66	1.34	1082266	0.009	Silicified	3%
91.66	92.45	0.79	1082267	0.007	Sericitic alteration	0%
92.45	93.24	0.79	1082268	0.038	Sericitic alteration	3%
93.24	94.33	1.09	1082269	0.011	Sericitic alteration	1%
94.33	94.90	0.57	1082271	0.015	Sericitic alteration	1%
94.90	96.00	1.10	1082273	0.025	Sericitic alteration	1%
96.00	97.00	1.00	1082274	0.009	Sericitic alteration	2%
97.00	98.00	1.00	1082275	0.009	Biotitic alteration	0%
98.00	99.15	1.15	1082276	0.013	Sericitic alteration	0%
99.15	100.00	0.85	1082277	0.016	Sericitic alteration	0%
100.00	100.75	0.75	1082278	0.051	Sericitic alteration	1%
100.75	102.00	1.25	1082279	0.012	Sericitic alteration	1%
102.00	103.00	1.00	1082280	0.044	Biotitic alteration	0%
103.00	104.00	1.00	1082281	0.016	Biotitic alteration	0%
104.00	104.92	0.92	1082282	0.016	Sericitic alteration	2%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>104.92</b>	<b>105.51</b>	<b>Lamprophyre Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
104.92	105.51	0.59	1082283	0.005	Biotitic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>105.51</b>	<b>201.72</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
105.51	106.80	1.29	1082285	0.007	Silicified	1%	cm-sized dr fragment
106.80	108.00	1.20	1082286	0.032	Silicified	3%	
108.00	108.93	0.93	1082287	0.030	Biotitic alteration	1%	
108.93	109.56	0.63	1082288	0.239	Sericitic alteration	1%	
109.56	111.00	1.44	1082289	0.010	Silicified	0%	cm-sized dr fragments
111.00	112.00	1.00	1082291	0.012	Sericitic alteration	1%	cm-sized dr fragment
112.00	112.94	0.94	1082292	0.035	Sericitic alteration	1%	
112.94	114.00	1.06	1082293	0.096	Sericitic alteration	1%	
114.00	115.00	1.00	1082294	0.116	Sericitic alteration	1%	
115.00	116.27	1.27	1082295	0.192	Sericitic alteration	1%	few cm-sized dr fragment
116.27	117.00	0.73	1082297	0.274	Sericitic alteration	0%	
117.00	118.00	1.00	1082298	0.050	Sericitic alteration	1%	cm-sized dr fragment
118.00	119.00	1.00	1082299	0.108	Biotitic alteration	0%	
119.00	120.00	1.00	1082300	0.053	Biotitic alteration	0%	
120.00	121.00	1.00	1082301	0.108	Biotitic alteration	1%	
121.00	122.00	1.00	1082302	0.041	Biotitic alteration	0%	cm-sized dr fragment
122.00	123.00	1.00	1082303	0.062	Biotitic alteration	0%	
123.00	124.50	1.50	1082304	0.130	Biotitic alteration	3%	cm-sized dr fragment
124.50	126.00	1.50	1082305	0.062	Biotitic alteration	0%	few cm-sized dr fragment
126.00	127.00	1.00	1082306	0.034	Biotitic alteration	0%	cm-sized dr fragment

127.00	128.00	1.00	1082307	0.049	Biotitic alteration	0%	
128.00	129.00	1.00	1082308	0.011	Biotitic alteration	0%	
129.00	130.00	1.00	1082309	0.088	Biotitic alteration	1%	
130.00	131.00	1.00	1082311	0.061	Biotitic alteration	0%	cm-sized dr fragment
131.00	132.00	1.00	1082313	0.114	Biotitic alteration	1%	
132.00	133.00	1.00	1082314	0.013	Biotitic alteration	0%	
133.00	134.00	1.00	1082315	0.043	Biotitic alteration	3%	few cm-sized dr fragment
134.00	134.89	0.89	1082316	0.110	Biotitic alteration	0%	
134.89	135.91	1.02	1082317	0.112	Biotitic alteration	1%	
135.91	137.00	1.09	1082318	0.170	Sericitic alteration	1%	
137.00	138.00	1.00	1082319	0.198	Biotitic alteration	1%	
138.00	139.00	1.00	1082320	0.146	Biotitic alteration	1%	cm size dr fragment
139.00	140.00	1.00	1082321	0.048	Biotitic alteration	1%	
140.00	141.00	1.00	1082322	0.309	Biotitic alteration	0%	
141.00	142.00	1.00	1082323	0.058	Biotitic alteration	1%	
142.00	143.00	1.00	1082325	0.034	Biotitic alteration	3%	
143.00	144.18	1.18	1082326	0.007	Biotitic alteration	10%	
144.18	145.00	0.82	1082327	0.130	Biotitic alteration	1%	
145.00	146.12	1.12	1082328	0.033	Biotitic alteration	5%	
146.12	147.00	0.88	1082329	0.006	Biotitic alteration	2%	
147.00	148.00	1.00	1082331	0.031	Biotitic alteration	3%	
148.00	149.00	1.00	1082332	0.074	Biotitic alteration	2%	
149.00	150.00	1.00	1082333	0.060	Biotitic alteration	2%	
150.00	151.00	1.00	1082334	0.076	Biotitic alteration	1%	
151.00	152.00	1.00	1082335	0.066	Biotitic alteration	1%	
152.00	153.00	1.00	1082337	0.033	Biotitic alteration	1%	
153.00	153.59	0.59	1082338	0.054	Biotitic alteration	1%	
153.59	155.01	1.42	1082339	0.046	Sericitic alteration	9%	
155.01	156.00	0.99	1082340	0.075	Biotitic alteration	1%	
156.00	157.00	1.00	1082341	0.079	Biotitic alteration	2%	
157.00	158.00	1.00	1082342	0.130	Biotitic alteration	1%	
158.00	158.92	0.92	1082343	0.070	Biotitic alteration	2%	albite alteration halo (sil) around bt vein with moly
158.92	160.00	1.08	1082344	0.281	Biotitic alteration	7%	
160.00	161.00	1.00	1082345	0.052	Biotitic alteration	3%	
161.00	162.00	1.00	1082346	0.597	Biotitic alteration	1%	
162.00	163.00	1.00	1082347	0.187	Biotitic alteration	2%	
163.00	164.00	1.00	1082349	0.386	Biotitic alteration	1%	
164.00	165.00	1.00	1082351	0.226	Sericitic alteration	0%	
165.00	166.00	1.00	1082352	0.364	Biotitic alteration	1%	
166.00	166.97	0.97	1082353	0.165	Biotitic alteration	1%	
166.97	168.00	1.03	1082354	0.155	Biotitic alteration	2%	
168.00	168.88	0.88	1082355	0.029	Biotitic alteration	0%	



168.88	170.00	1.12	1082356	0.112	Biotitic alteration	1%	
170.00	171.00	1.00	1082357	0.239	Biotitic alteration	1%	
171.00	172.00	1.00	1082358	0.267	Sericitic alteration	2%	
172.00	172.80	0.80	1082359	0.124	Biotitic alteration	1%	
172.80	173.83	1.03	1082361	0.502	Biotitic alteration	7%	several specks of moly (or telluride? - very silvery) in bt- and cpy-rich veins; possible speck of VG
173.83	175.00	1.17	1082362	0.339	Biotitic alteration	2%	
175.00	176.00	1.00	1082363	0.075	Biotitic alteration	0%	
176.00	177.00	1.00	1082364	0.008	Biotitic alteration	0%	
177.00	178.00	1.00	1082365	0.329	Biotitic alteration	1%	
178.00	179.00	1.00	1082366	0.341	Biotitic alteration	1%	
179.00	180.00	1.00	1082367	1.121	Sericitic alteration	1%	
180.00	181.00	1.00	1082368	0.339	Biotitic alteration	1%	
181.00	182.00	1.00	1082369	0.275	Biotitic alteration	1%	
182.00	183.00	1.00	1082371	0.293	Biotitic alteration	1%	
183.00	184.00	1.00	1082373	0.624	Biotitic alteration	0%	
184.00	185.00	1.00	1082374	1.322	Sericitic alteration	5%	
185.00	186.00	1.00	1082375	0.972	Biotitic alteration	3%	
186.00	187.00	1.00	1082376	1.649	Biotitic alteration	1%	
187.00	188.48	1.48	1082377	1.024	Sericitic alteration	1%	
188.48	189.00	0.52	1082378	1.036	Sericitic alteration	1%	
189.00	190.00	1.00	1082379	0.548	Sericitic alteration	3%	
190.00	191.00	1.00	1082380	1.112	Sericitic alteration	2%	
191.00	192.00	1.00	1082381	0.747	Sericitic alteration	2%	
192.00	193.00	1.00	1082382	0.366	Sericitic alteration	2%	
193.00	193.67	0.67	1082383	0.596	Biotitic alteration	0%	
193.67	194.42	0.75	1082385	0.340	Sericitic alteration	1%	
194.42	195.50	1.08	1082386	0.975	Sericitic alteration	1%	
195.50	196.50	1.00	1082387	0.505	Sericitic alteration	5%	
196.50	197.50	1.00	1082388	1.084	Sericitic alteration	0%	
197.50	198.50	1.00	1082389	0.365	Sericitic alteration	0%	
198.50	199.50	1.00	1082391	0.233	Sericitic alteration	1%	cm size mfc fragments
199.50	200.50	1.00	1082392	0.231	Sericitic alteration	1%	
200.50	201.72	1.22	1082393	0.564	Sericitic alteration	4%	mm-cm size mfc fragments

From	To	Lithologic Group	
201.72	201.98	Tonalite 2	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
201.72	201.98	0.26	1082394	0.196	Silicified	2%	(SOD)

From	To	Lithologic Group	
201.98	237.85	Tonalite	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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201.98	203.00	1.02	1082395	0.130	Biotitic alteration	1%	
203.00	204.00	1.00	1082397	0.227	Biotitic alteration	1%	
204.00	205.00	1.00	1082398	0.275	Biotitic alteration	1%	mm-cm size mfc fragments
205.00	206.00	1.00	1082399	0.410	Biotitic alteration	0%	
206.00	207.00	1.00	1082400	0.206	Sericitic alteration	4%	
207.00	208.00	1.00	1082401	0.197	Biotitic alteration	1%	mm-cm size mfc fragments
208.00	209.00	1.00	1082402	0.262	Biotitic alteration	1%	mm-cm size mfc fragments
209.00	210.00	1.00	1082403	0.726	Biotitic alteration	1%	
210.00	211.00	1.00	1082404	0.395	Biotitic alteration	1%	cm size mfc fragments
211.00	212.00	1.00	1082405	0.572	Biotitic alteration	1%	
212.00	213.00	1.00	1082406	0.461	Biotitic alteration	1%	
213.00	214.00	1.00	1082407	0.394	Biotitic alteration	1%	
214.00	215.00	1.00	1082408	0.427	Biotitic alteration	1%	mm-cm size mfc fragments
215.00	216.00	1.00	1082409	0.533	Biotitic alteration	1%	
216.00	217.00	1.00	1082411	0.181	Biotitic alteration	1%	
217.00	218.09	1.09	1082413	0.673	Biotitic alteration	1%	mm-cm size mfc fragments
218.09	219.00	0.91	1082414	0.343	Sericitic alteration	3%	
219.00	220.00	1.00	1082415	0.330	Silicified	3%	
220.00	221.00	1.00	1082416	0.102	Silicified	0%	
221.00	222.00	1.00	1082417	0.188	Silicified	1%	
222.00	222.60	0.60	1082418	0.306	Silicified	1%	
222.60	223.00	0.40	1082419	0.339	Sericitic alteration	5%	unit is slightly in-situ brecciated
223.00	224.00	1.00	1082420	0.284	Silicified	1%	
224.00	225.00	1.00	1082421	0.226	Silicified	0%	
225.00	225.61	0.61	1082422	0.391	Silicified	0%	
225.61	227.00	1.39	1082423	0.043	Biotitic alteration	0%	mm-cm size mfc fragments
227.00	228.00	1.00	1082425	0.106	Sericitic alteration	0%	
228.00	229.00	1.00	1082426	0.170	Biotitic alteration	2%	
229.00	230.00	1.00	1082427	0.095	Biotitic alteration	1%	
230.00	230.91	0.91	1082428	0.244	Silicified	0%	
230.91	232.00	1.09	1082429	0.330	Silicified	1%	cm size nfc fragments
232.00	233.20	1.20	1082431	0.368	Silicified	2%	
233.20	234.00	0.80	1082432	0.696	Silicified	1%	
234.00	235.00	1.00	1082433	3.440	Silicified	1%	
235.00	236.00	1.00	1082434	0.883	Silicified	1%	
236.00	237.00	1.00	1082435	0.450	Silicified	1%	
237.00	237.85	0.85	1082437	0.431	Silicified	1%	

From	To	Lithologic Group	
237.85	238.91	Lamprophyre Dyke	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
237.85	238.91	1.06	1082438	0.015	Unaltered	2%	slight foliation w heavily hem altered ton frgs

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>238.91</b>	<b>254.28</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
238.91	239.95	1.04	1082439	0.332	Silicified	12%	
239.95	241.00	1.05	1082440	0.367	Silicified	2%	
241.00	242.00	1.00	1082441	0.175	Silicified	0%	
242.00	243.00	1.00	1082442	0.265	Silicified	0%	
243.00	244.00	1.00	1082443	0.221	Silicified	0%	mm-cm sized mfc fragments
244.00	245.00	1.00	1082444	0.471	Silicified	1%	mm-cm sized mfc fragments
245.00	246.00	1.00	1082445	0.534	Silicified	1%	
246.00	247.00	1.00	1082446	0.399	Silicified	1%	
247.00	248.00	1.00	1082447	1.336	Silicified	1%	(SOD)
248.00	249.00	1.00	1082449	0.546	Silicified	4%	
249.00	250.00	1.00	1082451	0.299	Silicified	1%	(SOD)
250.00	251.00	1.00	1082452	0.119	Silicified	0%	(SOD) mm-cm sized mfc frgs
251.00	252.00	1.00	1082453	0.098	Silicified	1%	(SOD) mm-cm sized mfc frgs
252.00	253.00	1.00	1082454	0.083	Silicified	1%	(SOD)
253.00	254.28	1.28	1082455	0.123	Silicified	0%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>254.28</b>	<b>254.73</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
254.28	254.73	0.45	1082456	0.005	Chloritic alteration	5%	hem altd ton frgs
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>254.73</b>	<b>263.49</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
254.73	256.00	1.27	1082457	0.176	Sericitic alteration	1%	
256.00	257.00	1.00	1082458	0.251	Silicified	0%	
257.00	258.00	1.00	1082459	0.476	Silicified	0%	
258.00	259.00	1.00	1082461	0.262	Sericitic alteration	0%	
259.00	260.00	1.00	1082462	0.190	Sericitic alteration	1%	
260.00	261.00	1.00	1082463	0.109	Sericitic alteration	1%	
261.00	262.00	1.00	1082464	0.277	Sericitic alteration	2%	
262.00	263.49	1.49	1082465	0.950	Sericitic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>263.49</b>	<b>264.03</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
263.49	264.03	0.54	1082466	0.019	Biotitic alteration	5%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>264.03</b>	<b>267.22</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
264.03	264.44	0.41	1082467	0.486	Sericitic alteration	75%	75% qtz-cb-bi-py-cpy vn
264.44	265.00	0.56	1082468	0.274	Sericitic alteration	1%	

265.00	266.00	1.00	1082469	0.342	Sericitic alteration	0%	
266.00	267.22	1.22	1082471	0.508	Sericitic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>267.22</b>	<b>267.73</b>		<b>Mafic Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
267.22	267.73	0.51	1082473	0.019	Biotitic alteration	5%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>267.73</b>	<b>268.95</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
267.73	268.95	1.22	1082474	0.446	Sericitic alteration	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>268.95</b>	<b>269.47</b>		<b>Mafic Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
268.95	269.47	0.52	1082475	0.326	Biotitic alteration	7%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>269.47</b>	<b>291.70</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
269.47	271.00	1.53	1082476	0.522	Sericitic alteration	5%	
271.00	272.00	1.00	1082477	0.210	Silicified	0%	(SOD) mm-cm sized mfc frgs
272.00	273.00	1.00	1082478	0.452	Silicified	0%	
273.00	274.00	1.00	1082479	0.072	Silicified	1%	
274.00	275.36	1.36	1082480	0.179	Silicified	0%	
275.36	276.35	0.99	1082481	1.345	Biotitic alteration	0%	
276.35	277.35	1.00	1082482	0.048	Biotitic alteration	0%	
277.35	278.35	1.00	1082483	0.103	Biotitic alteration	0%	
278.35	279.31	0.96	1082485	0.062	Biotitic alteration	0%	
279.31	280.71	1.40	1082486	0.158	Silicified	3%	(SOD) blue qtz vn
280.71	282.00	1.29	1082487	1.000	Silicified	1%	
282.00	283.00	1.00	1082488	0.169	Silicified	0%	dm sized dr-qdr frg
283.00	284.00	1.00	1082489	0.115	Silicified	2%	
284.00	285.00	1.00	1082491	0.169	Silicified	1%	
285.00	286.00	1.00	1082492	0.167	Silicified	1%	
286.00	287.00	1.00	1082493	0.137	Silicified	0%	
287.00	287.75	0.75	1082494	0.104	Silicified	1%	
287.75	289.23	1.48	1082495	0.251	Silicified	1%	mm-cm sized mfc frgs
289.23	290.00	0.77	1082497	0.211	Silicified	1%	
290.00	291.00	1.00	1082498	0.149	Silicified	3%	
291.00	291.70	0.70	1082499	0.115	Silicified	0%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>291.70</b>	<b>293.20</b>		<b>Mafic Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
291.70	293.20	1.50	1082500	0.007	Biotitic alteration	3%	

<b>From</b> 293.20	<b>To</b> 314.77	<b>Lithologic Group</b>					
							<b>Tonalite</b>
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
293.20	294.52	1.32	1082501	0.386	Silicified	0%	
294.52	295.50	0.98	1082502	0.365	Silicified	1%	(SOD)
295.50	296.50	1.00	1082503	0.462	Silicified	1%	(SOD)
296.50	297.50	1.00	1082504	0.280	Silicified	1%	(SOD)
297.50	298.50	1.00	1082505	0.263	Silicified	1%	(SOD)
298.50	299.50	1.00	1082506	0.175	Silicified	1%	(SOD) mm-cm sized mfc frgs
299.50	300.50	1.00	1082507	0.172	Silicified	2%	(SOD)
300.50	301.77	1.27	1082508	0.631	Silicified	1%	(SOD)
301.77	303.04	1.27	1082509	0.998	Silicified	3%	(SOD)
303.04	304.00	0.96	1082511	0.106	Silicified	5%	(SOD)
304.00	305.00	1.00	1082513	0.495	Silicified	5%	(SOD)
305.00	306.00	1.00	1082514	0.068	Silicified	5%	(SOD)
306.00	307.00	1.00	1082515	0.255	Silicified	2%	(SOD)
307.00	308.00	1.00	1082516	0.167	Silicified	2%	(SOD)
308.00	309.00	1.00	1082517	0.210	Silicified	2%	(SOD) mm-cm sized mfc frgs
309.00	310.00	1.00	1082518	0.101	Silicified	1%	(SOD)
310.00	311.00	1.00	1082519	0.757	Silicified	1%	(SOD)
311.00	312.00	1.00	1082520	0.528	Silicified	1%	(SOD)
312.00	313.00	1.00	1082521	0.264	Silicified	2%	(SOD)
313.00	314.00	1.00	1082522	0.153	Silicified	3%	(SOD)
314.00	314.77	0.77	1082523	0.095	Silicified	3%	(SOD)
<b>From</b> 314.77	<b>To</b> 315.12	<b>Lithologic Group</b>					
							<b>Hydrothermal Breccia</b>
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
314.77	315.12	0.35	1082525	0.085	Silicified	1%	(SOD) in-situ style
<b>From</b> 315.12	<b>To</b> 328.33	<b>Lithologic Group</b>					
							<b>Tonalite</b>
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
315.12	316.00	0.88	1082526	0.229	Silicified	2%	(SOD)
316.00	317.00	1.00	1082527	1.020	Silicified	2%	(SOD)
317.00	318.00	1.00	1082528	0.387	Silicified	4%	(SOD)
318.00	318.80	0.80	1082529	0.044	Sericitic alteration	70%	
318.80	319.76	0.96	1082531	0.100	Silicified	5%	(SOD)
319.76	321.00	1.24	1082532	0.761	Sericitic alteration	2%	rubbly zone
321.00	322.00	1.00	1082533	0.880	Sericitic alteration	3%	
322.00	323.00	1.00	1082534	1.424	Sericitic alteration	2%	
323.00	324.00	1.00	1082535	2.220	Sericitic alteration	3%	
324.00	325.00	1.00	1082537	1.009	Sericitic alteration	1%	
325.00	326.00	1.00	1082538	2.849	Sericitic alteration	4%	

326.00	327.00	1.00	1082539	1.987	Sericitic alteration	7%	
327.00	328.33	1.33	1082540	0.834	Sericitic alteration	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>328.33</b>	<b>330.00</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
328.33	329.00	0.67	1082541	0.582	Sericitic alteration	2%	in-situ style
329.00	330.00	1.00	1082542	1.343	Sericitic alteration	4%	in-situ style
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>330.00</b>	<b>335.00</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
330.00	331.00	1.00	1082543	0.833	Sericitic alteration	2%	
331.00	332.00	1.00	1082544	0.733	Sericitic alteration	3%	
332.00	333.00	1.00	1082545	0.265	Sericitic alteration	8%	
333.00	334.00	1.00	1082546	0.150	Sericitic alteration	2%	
334.00	335.00	1.00	1082547	0.429	Sericitic alteration	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>335.00</b>	<b>335.81</b>		<b>Mafic Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
335.00	335.81	0.81	1082549	0.020	Biotitic alteration	7%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>335.81</b>	<b>337.62</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
335.81	336.80	0.99	1082551	0.222	Sericitic alteration	1%	
336.80	337.62	0.82	1082552	0.133	Sericitic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>337.62</b>	<b>338.57</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
337.62	338.57	0.95	1082553	0.379	Sericitic alteration	1%	in-situ style
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>338.57</b>	<b>353.20</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
338.57	339.50	0.93	1082554	0.588	Sericitic alteration	2%	
339.50	340.50	1.00	1082555	0.548	Sericitic alteration	2%	
340.50	341.50	1.00	1082556	0.941	Sericitic alteration	2%	2cm breccia pipe cross cutting tonalite
341.50	342.50	1.00	1082557	3.580	Sericitic alteration	1%	
342.50	343.50	1.00	1082558	0.120	Sericitic alteration	1%	
343.50	344.50	1.00	1082559	0.356	Sericitic alteration	2%	
344.50	345.50	1.00	1082561	0.225	Sericitic alteration	4%	
345.50	346.50	1.00	1082562	0.255	Sericitic alteration	5%	
346.50	347.50	1.00	1082563	0.335	Sericitic alteration	1%	
347.50	348.50	1.00	1082564	0.219	Sericitic alteration	4%	

348.50	349.50	1.00	1082565	0.821	Sericitic alteration	3%	
349.50	350.50	1.00	1082566	0.836	Sericitic alteration	2%	
350.50	351.20	0.70	1082567	0.416	Sericitic alteration	1%	
351.20	352.20	1.00	1082568	0.804	Sericitic alteration	5%	mm spaced frcsw chl infil
352.20	353.20	1.00	1082569	0.165	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>353.20</b>	<b>354.78</b>	<b>Mafic Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
353.20	354.78	1.58	1082571	0.005	Biotitic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>354.78</b>	<b>372.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
354.78	355.58	0.80	1082573	0.232	Sericitic alteration	2%	
355.58	356.50	0.92	1082574	0.562	Sericitic alteration	1%	
356.50	357.50	1.00	1082575	0.526	Sericitic alteration	2%	
357.50	358.16	0.66	1082576	0.415	Sericitic alteration	1%	
358.16	359.00	0.84	1082577	0.367	Sericitic alteration	4%	
359.00	360.00	1.00	1082578	1.075	Sericitic alteration	3%	
360.00	361.00	1.00	1082579	0.435	Sericitic alteration	2%	
361.00	362.00	1.00	1082580	0.406	Sericitic alteration	1%	
362.00	363.00	1.00	1082581	0.496	Sericitic alteration	2%	
363.00	364.00	1.00	1082582	0.445	Sericitic alteration	1%	
364.00	365.00	1.00	1082583	1.712	Silicified	2%	
365.00	366.00	1.00	1082585	0.519	Silicified	2%	(SOD)
366.00	367.00	1.00	1082586	0.647	Silicified	1%	(SOD)
367.00	368.00	1.00	1082587	0.623	Silicified	2%	(SOD)
368.00	369.00	1.00	1082588	0.402	Silicified	1%	(SOD)
369.00	370.00	1.00	1082589	0.442	Silicified	3%	
370.00	371.03	1.03	1082591	0.372	Silicified	2%	
371.03	372.00	0.97	1082592	0.591	Sericitic alteration	3%	diffuse contact with breccia

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>372.00</b>	<b>374.22</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
372.00	373.00	1.00	1082593	0.266	Sericitic alteration	1%	in-situ and extremely ser overprinted; 5% frgs
373.00	374.22	1.22	1082594	0.232	Sericitic alteration	2%	in-situ and extremely ser overprinted; 15% frgs

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>374.22</b>	<b>376.83</b>	<b>Mafic Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
374.22	375.44	1.22	1082595	0.280	Chloritic alteration	3%	
375.44	376.83	1.39	1082597	0.150	Unaltered	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>376.83</b>	<b>383.45</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
376.83	378.00	1.17	1082598	0.553	Silicified	1%	
378.00	379.00	1.00	1082599	0.387	Silicified	2%	
379.00	380.00	1.00	1082600	0.243	Silicified	1%	noticeable increase in diss chl/bi assoc py-cpy; micro tension frcs coming off main frc sets both w sulphides
380.00	381.00	1.00	1082601	0.553	Silicified	2%	(SOD) noticeable increase in diss chl/bi assoc py-cpy; micro tension frcs coming off main frc sets both w sulphides
381.00	382.00	1.00	1082602	0.506	Silicified	3%	(SOD) noticeable increase in diss chl/bi assoc py-cpy; micro tension frcs coming off main frc sets both w sulphides
382.00	383.45	1.45	1082603	1.105	Silicified	2%	(SOD) noticeable increase in diss chl/bi assoc py-cpy; micro tension frcs coming off main frc sets both w sulphides
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>383.45</b>	<b>383.80</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
383.45	383.80	0.35	1082604	0.017	Biotitic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>383.80</b>	<b>388.94</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
383.80	385.00	1.20	1082605	1.870	Silicified	3%	(SOD) noticeable increase in diss chl/bi assoc py-cpy; micro tension frcs coming off main frc sets both w sulphides
385.00	386.00	1.00	1082606	0.486	Silicified	2%	(SOD) noticeable increase in diss chl/bi assoc py-cpy; micro tension frcs coming off main frc sets both w sulphides
386.00	387.00	1.00	1082607	0.613	Silicified	1%	noticeable increase in diss chl/bi assoc py-cpy; micro tension frcs coming off main frc sets both w sulphides
387.00	388.00	1.00	1082608	0.416	Silicified	2%	(SOD) noticeable increase in diss chl/bi assoc py-cpy; micro tension frcs coming off main frc sets both w sulphides
388.00	388.94	0.94	1082609	0.269	Silicified	1%	noticeable increase in diss chl/bi assoc py-cpy; micro tension frcs coming off main frc sets both w sulphides



<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>388.94</b>	<b>389.62</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
388.94	389.62	0.68	1082611	0.028	Chloritic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>389.62</b>	<b>417.60</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
389.62	391.00	1.38	1082613	0.640	Silicified	2%	(SOD) noticeable increase in diss chl/bi assoc py-cpy
391.00	392.00	1.00	1082614	0.513	Silicified	3%	(SOD) noticeable increase in diss chl/bi assoc py-cpy
392.00	393.00	1.00	1082615	0.172	Silicified	2%	(SOD) noticeable increase in diss chl/bi assoc py-cpy
393.00	394.00	1.00	1082616	0.250	Silicified	1%	(SOD) noticeable increase in diss chl/bi assoc py-cpy
394.00	395.00	1.00	1082617	0.246	Silicified	1%	(SOD) noticeable increase in diss chl/bi assoc py-cpy
395.00	396.00	1.00	1082618	1.827	Silicified	2%	(SOD) noticeable increase in diss chl/bi assoc py-cpy
396.00	397.00	1.00	1082619	0.709	Silicified	2%	noticeable increase in diss chl/bi assoc py-cpy
397.00	398.00	1.00	1082620	0.508	Silicified	3%	noticeable increase in diss chl/bi assoc py-cpy
398.00	399.00	1.00	1082621	0.086	Silicified	2%	noticeable increase in diss chl/bi assoc py-cpy
399.00	400.00	1.00	1082622	0.045	Sericitic alteration	3%	
400.00	401.38	1.38	1082623	0.129	Sericitic alteration	1%	
401.38	402.50	1.12	1082625	0.097	Silicified	1%	
402.50	403.50	1.00	1082626	0.152	Silicified	2%	
403.50	404.50	1.00	1082627	0.174	Sericitic alteration	1%	
404.50	405.50	1.00	1082628	0.228	Silicified	1%	
405.50	406.50	1.00	1082629	0.103	Silicified	1%	
406.50	407.50	1.00	1082631	0.037	Silicified	3%	
407.50	408.50	1.00	1082632	0.108	Silicified	1%	
408.50	409.50	1.00	1082633	0.319	Silicified	2%	
409.50	410.50	1.00	1082634	0.466	Silicified	3%	
410.50	411.50	1.00	1082635	0.355	Silicified	2%	
411.50	412.00	0.50	1082637	0.293	Silicified	6%	
412.00	413.00	1.00	1082639	0.160	Silicified	2%	
413.00	414.00	1.00	1082640	0.265	Silicified	3%	
414.00	415.00	1.00	1082641	0.343	Silicified	3%	
415.00	416.00	1.00	1082642	0.144	Silicified	2%	
416.00	417.60	1.60	1082643	0.197	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>417.60</b>	<b>419.75</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
417.60	418.60	1.00	1082644	0.097	Silicified	2%	(SOD) heavy silica overprint; not well developed; 5% chl-sulphide mtz
418.60	419.75	1.15	1082645	0.139	Silicified	3%	(SOD) heavy silica overprint; not well developed; 5% chl-sulphide mtz
<b>419.75</b>	<b>421.20</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
419.75	420.40	0.65	1082646	0.204	Chloritic alteration	7%	50% ton 50% chl-cb shrd dyke
420.40	421.20	0.80	1082647	0.391	Silicified	2%	poss breccia but minimal relict texture/mtz
<b>421.20</b>	<b>421.97</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
421.20	421.97	0.77	1082649	0.305	Sericitic alteration	2%	poss breccia but minimal relict texture/mtz
<b>421.97</b>	<b>422.30</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
421.97	422.30	0.33	1082651	0.008	Biotitic alteration	10%	mg euhedral bi xls at dh contact
<b>422.30</b>	<b>424.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
422.30	423.00	0.70	1082652	1.988	Silicified	20%	(SOD) silica overprinted breccia w 15% chl-cb-py-cpy
423.00	424.00	1.00	1082653	0.253	Silicified	2%	(SOD) silica overprinted breccia w 5% chl-cb-py-cpy; in-situ style
<b>424.00</b>	<b>424.85</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
424.00	424.85	0.85	1082654	0.277	Silicified	3%	(SOD) no mtz present
<b>424.85</b>	<b>425.85</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
424.85	425.85	1.00	1082655	0.476	Silicified	3%	(SOD) silica overprinted breccia w 10% chl-cb-py-cpy;
<b>425.85</b>	<b>429.65</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

425.85	427.25	1.40	1082656	0.006	Chloritic alteration	2%	magnetic
427.25	428.50	1.25	1082657	0.006	Chloritic alteration	1%	magnetic
428.50	429.65	1.15	1082658	0.005	Chloritic alteration	2%	magnetic
<b>From</b> <b>429.65</b>	<b>To</b> <b>431.00</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
429.65	431.00	1.35	1082659	0.234	Silicified	4%	(SOD)
<b>From</b> <b>431.00</b>	<b>To</b> <b>432.00</b>		<b>Lithologic Group</b> <b>Tonalite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
431.00	432.00	1.00	1082661	0.087	Silicified	2%	(SOD) tonalite w tonalite 2 fragments (10%)
<b>From</b> <b>432.00</b>	<b>To</b> <b>432.98</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
432.00	432.98	0.98	1082662	0.202	Silicified	3%	ton 2 frags not as evident in this sample
<b>From</b> <b>432.98</b>	<b>To</b> <b>435.20</b>		<b>Lithologic Group</b> <b>Mafic Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
432.98	433.28	0.30	1082663	0.008	Chloritic alteration	2%	
433.28	433.67	0.39	1082664	0.066	Unaltered	100%	100% quartz-chl-cb vein
433.67	435.20	1.53	1082665	0.006	Chloritic alteration	1%	
<b>From</b> <b>435.20</b>	<b>To</b> <b>449.66</b>		<b>Lithologic Group</b> <b>Tonalite 2</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
435.20	436.00	0.80	1082666	0.125	Sericitic alteration	1%	
436.00	437.00	1.00	1082667	0.074	Sericitic alteration	1%	
437.00	438.00	1.00	1082668	0.112	Silicified	1%	
438.00	439.00	1.00	1082669	0.040	Sericitic alteration	1%	
439.00	440.00	1.00	1082671	0.179	Sericitic alteration	18%	
440.00	440.84	0.84	1082673	0.106	Sericitic alteration	2%	
440.84	442.00	1.16	1082674	0.080	Silicified	2%	
442.00	443.00	1.00	1082675	0.021	Silicified	3%	
443.00	444.00	1.00	1082676	0.030	Silicified	2%	
444.00	445.00	1.00	1082677	0.048	Silicified	6%	
445.00	446.00	1.00	1082678	0.030	Silicified	2%	
446.00	447.00	1.00	1082679	0.109	Silicified	2%	
447.00	447.70	0.70	1082680	0.081	Sericitic alteration	1%	looks like contact at end of sample with highly altered ton 1 but it grades back into ton 2
447.70	448.70	1.00	1082681	0.024	Silicified	0%	
448.70	449.66	0.96	1082682	0.103	Sericitic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>449.66</b>	<b>451.00</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
449.66	451.00	1.34	1082684	0.209	Chloritic alteration	1%	magnetic
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>451.00</b>	<b>452.00</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
451.00	452.00	1.00	1082685	0.045	Silicified	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>452.00</b>	<b>453.93</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
452.00	453.00	1.00	1082686	0.017	Chloritic alteration	1%	
453.00	453.93	0.93	1082687	0.014	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>453.93</b>	<b>463.16</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
453.93	455.00	1.07	1082688	0.026	Sericitic alteration	3%	
455.00	456.16	1.16	1082689	0.067	Sericitic alteration	3%	
456.16	457.00	0.84	1082691	0.051	Silicified	1%	(SOD) might just be silica
457.00	458.00	1.00	1082692	0.280	Silicified	1%	(SOD) might just be silica
458.00	459.00	1.00	1082693	0.040	Silicified	5%	
459.00	460.00	1.00	1082694	0.022	Silicified	1%	
460.00	461.00	1.00	1082695	0.067	Sericitic alteration	2%	
461.00	461.81	0.81	1082697	0.063	Sericitic alteration	2%	
461.81	463.16	1.35	1082698	0.084	Silicified	3%	apparent contact noted marked by alteration as well as textural difference; this sample has both ton 1 and ton 2 characteristics - hard to discern protolith
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>463.16</b>	<b>463.78</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
463.16	463.78	0.62	1082699	0.006	Sericitic alteration	5%	contact quite obscured due to alteration; heavily silicified but breccia appeared to contain less altered tonalite fragments with ton 2 matrix infill - could also be brecciated ton 2 due to prox to dyke that is selectively altered
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>463.78</b>	<b>464.54</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
463.78	464.54	0.76	1082700	0.014	Chloritic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>464.54</b>	<b>466.05</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
464.54	466.05	1.51	1082701	0.064	Silica–Sodic alteration	2%	might just be silica
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>466.05</b>	<b>466.83</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
466.05	466.83	0.78	1082702	0.020	Chloritic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>466.83</b>	<b>468.15</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
466.83	468.15	1.32	1082703	0.011	Sericitic alteration	2%	appears to be heavily ser-sil overprinted breccia; ton 2? Mtx w chl-cb-py mtx (10%)
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>468.15</b>	<b>469.00</b>	<b>Tonalite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
468.15	469.00	0.85	1082704	0.007	Sericitic alteration	2%	again very obscured texture but appears to be tonalite with tonalite 2 clasts, this could also be due just to alteration - bottom of this hole would benefit from thin section work to decipher between the units
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>469.00</b>	<b>471.05</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
469.00	470.00	1.00	1082705	0.035	Sericitic alteration	1%	
470.00	471.05	1.05	1082706	0.035	Sericitic alteration	4%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>471.05</b>	<b>471.78</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
471.05	471.78	0.73	1082707	0.010	Silicified	2%	might just be silica
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>471.78</b>	<b>472.40</b>	<b>Tonalite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
471.78	472.40	0.62	1082708	0.027	Silicified	4%	similar to sample 1082704; sharp uphole contact taken as rep
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>472.40</b>	<b>472.80</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
472.40	472.80	0.40	1082709	0.018	Chloritic alteration	0%	chilled downhole contact marked by euhedral py

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>472.80</b>	<b>474.00</b>	<b>Tonalite 2 Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
472.80	474.00	1.20	1082711	0.028	Sericitic alteration	2%	similar to sample 1082703

# DRILL HOLE REPORT

Drill Hole	<b>GOS19-33</b>	Project	<b>Gosselin</b>	Cost Code	<b>234</b>
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Drilling Details:

Azimuth	333.0	Company	
Dip	-60.0	Contractor	NPLH
Length	476.0 m	Position	
Started		Bore Size	NQ
Completed	05-Dec-19	Sample Storage	
Logged	09-Dec-19	Casing	STEEL
Logged by	Laurent Gauchat	Condition	Capped

Survey Details:

Claim Number	PAT-11121
Property	Chester
Township	Chester
Spotted by	
Surveyed by	
Collar Orientation	Multi-shot Survey (unspecifie
Coord Survey Tool	DGPS

Target  
Comments

Coordinates:

Easting	430959.87
UTM Datum	NAD83
Northing	5267539.55
UTM Zone	17
Elevation	383.14

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
15.0	332.60	-60.20		RS	Good						
51.0	333.00	-59.80		RM	Good						
102.0	332.50	-59.10		RS	Good						
204.0	333.80	-57.30		RS	Good						
255.0	333.50	-57.00		RS	Good						
306.0	332.90	-56.60		RS	Good						
357.0	333.30	-56.40		RS	Good						
408.0	334.20	-55.70		RS	Good						

From 0.00	To 1.80	Lithologic Group Overburden					
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From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	1.80	1.80			Unaltered		

From 1.80	To 117.54	Lithologic Group Tonalite					
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From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
1.80	3.00	1.20	1083501	0.012	Sericitic alteration	2%	x
3.00	4.00	1.00	1083502	0.119	Sericitic alteration	2%	x
4.00	5.00	1.00	1083503	0.459	Sericitic alteration	2%	x
5.00	6.00	1.00	1083504	0.197	Sericitic alteration	1%	x
6.00	7.00	1.00	1083505	0.053	Sericitic alteration	1%	x
7.00	8.00	1.00	1083506	0.005	Sericitic alteration	4%	x
8.00	9.00	1.00	1083507	0.017	Sericitic alteration	5%	x
9.00	10.00	1.00	1083508	0.009	Sericitic alteration	1%	x
10.00	11.00	1.00	1083509	0.051	Sericitic alteration	2%	x
11.00	12.00	1.00	1083511	0.048	Sericitic alteration	1%	x
12.00	13.00	1.00	1083513	0.026	Sericitic alteration	1%	x
13.00	14.00	1.00	1083514	0.019	Sericitic alteration	1%	x
14.00	15.00	1.00	1083515	0.086	Sericitic alteration	1%	x
15.00	16.00	1.00	1083516	0.257	Sericitic alteration	1%	x
16.00	17.00	1.00	1083517	0.233	Sericitic alteration	1%	x
17.00	18.00	1.00	1083518	0.106	Sericitic alteration	1%	x
18.00	19.00	1.00	1083519	0.038	Sericitic alteration	1%	x
19.00	20.00	1.00	1083520	0.159	Sericitic alteration	0%	x
20.00	21.00	1.00	1083521	0.008	Sericitic alteration	1%	x
21.00	22.00	1.00	1083522	0.005	Sericitic alteration	1%	x
22.00	23.00	1.00	1083523	0.017	Sericitic alteration	2%	x
23.00	24.00	1.00	1083525	0.110	Sericitic alteration	8%	x
24.00	25.00	1.00	1083526	0.021	Sericitic alteration	1%	x
25.00	26.00	1.00	1083527	0.005	Sericitic alteration	1%	x
26.00	27.00	1.00	1083528	0.029	Sericitic alteration	2%	x
27.00	28.00	1.00	1083529	0.033	Sericitic alteration	1%	x
28.00	29.00	1.00	1083531	0.023	Sericitic alteration	1%	x
29.00	30.00	1.00	1083532	0.019	Sericitic alteration	2%	x
30.00	31.00	1.00	1083533	0.033	Sericitic alteration	2%	x
31.00	32.00	1.00	1083534	0.009	Sericitic alteration	2%	x
32.00	33.00	1.00	1083535	0.092	Sericitic alteration	4%	x



33.00	34.00	1.00	1083537	0.246	Sericitic alteration	2%	x small bx zone (33.26 to 33.76 -> 7cm wide 15°-160°)
34.00	35.00	1.00	1083538	0.063	Sericitic alteration	1%	x
35.00	36.00	1.00	1083539	0.054	Sericitic alteration	8%	x
36.00	37.00	1.00	1083540	0.019	Sericitic alteration	4%	x
37.00	38.00	1.00	1083541	0.023	Sericitic alteration	2%	x
38.00	39.00	1.00	1083542	0.015	Sericitic alteration	2%	x
39.00	40.00	1.00	1083543	0.056	Sericitic alteration	2%	x
40.00	41.00	1.00	1083544	0.035	Sericitic alteration	2%	x
41.00	42.00	1.00	1083545	0.085	Sericitic alteration	2%	x
42.00	43.00	1.00	1083546	0.064	Sericitic alteration	2%	x
43.00	44.00	1.00	1083547	0.045	Sericitic alteration	2%	x
44.00	45.00	1.00	1083549	0.058	Sericitic alteration	0%	x
45.00	46.00	1.00	1083551	0.843	Sericitic alteration	3%	x
46.00	47.00	1.00	1083552	0.071	Sericitic alteration	2%	x small bx zone (few cms IRR)
47.00	48.00	1.00	1083553	0.424	Sericitic alteration	1%	x
48.00	49.00	1.00	1083554	0.341	Sericitic alteration	2%	x
49.00	50.00	1.00	1083555	0.144	Sericitic alteration	2%	x
50.00	51.00	1.00	1083556	0.713	Sericitic alteration	2%	x
51.00	52.00	1.00	1083557	0.012	Sericitic alteration	2%	x
52.00	53.00	1.00	1083558	0.322	Sericitic alteration	2%	x
53.00	54.00	1.00	1083559	0.104	Sericitic alteration	1%	x
54.00	55.00	1.00	1083561	0.009	Sericitic alteration	1%	x
55.00	56.00	1.00	1083562	0.355	Sericitic alteration	2%	x
56.00	57.00	1.00	1083563	0.009	Sericitic alteration	1%	x
57.00	58.00	1.00	1083564	0.083	Sericitic alteration	1%	x
58.00	58.50	0.50	1083565	0.552	Sericitic alteration	0%	x
58.50	59.00	0.50	1083566	0.689	Sericitic alteration	1%	x
59.00	60.00	1.00	1083567	0.498	Sericitic alteration	0%	x
60.00	61.00	1.00	1083568	0.248	Sericitic alteration	2%	x
61.00	62.00	1.00	1083569	0.600	Sericitic alteration	5%	x
62.00	63.00	1.00	1083571	0.106	Sericitic alteration	0%	x
63.00	64.00	1.00	1083573	0.237	Sericitic alteration	3%	x
64.00	65.00	1.00	1083574	0.108	Sericitic alteration	3%	x
65.00	66.00	1.00	1083575	0.366	Sericitic alteration	1%	x
66.00	67.00	1.00	1083576	0.184	Sericitic alteration	1%	x
67.00	68.00	1.00	1083577	0.397	Sericitic alteration	4%	x
68.00	69.00	1.00	1083578	2.223	Sericitic alteration	2%	x
69.00	70.00	1.00	1083579	0.297	Sericitic alteration	1%	x
70.00	71.00	1.00	1083580	0.137	Sericitic alteration	6%	x
71.00	72.00	1.00	1083581	0.158	Sericitic alteration	6%	x
72.00	73.00	1.00	1083582	0.335	Sericitic alteration	4%	x
73.00	74.00	1.00	1083583	0.913	Sericitic alteration	15%	x

74.00	75.00	1.00	1083586	1.131	Sericitic alteration	1%	x
75.00	76.00	1.00	1083587	0.291	Sericitic alteration	5%	x
76.00	77.00	1.00	1083588	0.136	Sericitic alteration	1%	x
77.00	78.00	1.00	1083589	0.132	Sericitic alteration	2%	x
78.00	79.00	1.00	1083591	0.098	Sericitic alteration	1%	x
79.00	80.00	1.00	1083592	0.124	Sericitic alteration	3%	x
80.00	81.00	1.00	1083593	0.765	Sericitic alteration	5%	x
81.00	82.00	1.00	1083594	0.849	Sericitic alteration	2%	x
82.00	83.00	1.00	1083595	0.152	Sericitic alteration	4%	x
83.00	84.00	1.00	1083597	0.193	Sericitic alteration	4%	x
84.00	85.00	1.00	1083598	0.378	Sericitic alteration	2%	x
85.00	86.00	1.00	1083599	0.112	Sericitic alteration	3%	x
86.00	87.00	1.00	1083600	0.436	Sericitic alteration	1%	x
87.00	88.00	1.00	1083601	0.899	Sericitic alteration	1%	x
88.00	89.00	1.00	1083602	0.556	Sericitic alteration	1%	x
89.00	90.00	1.00	1083603	0.199	Sericitic alteration	2%	x
90.00	91.00	1.00	1083604	0.131	Sericitic alteration	1%	x
91.00	92.00	1.00	1083605	0.172	Sericitic alteration	2%	x
92.00	93.00	1.00	1083606	0.086	Sericitic alteration	2%	x
93.00	94.00	1.00	1083607	0.132	Sericitic alteration	2%	x
94.00	95.00	1.00	1083608	0.069	Sericitic alteration	2%	x
95.00	96.00	1.00	1083609	0.166	Sericitic alteration	2%	x
96.00	97.00	1.00	1083611	0.138	Sericitic alteration	2%	x
97.00	98.00	1.00	1083613	0.083	Sericitic alteration	2%	x
98.00	99.00	1.00	1083614	0.246	Sericitic alteration	2%	x
99.00	100.00	1.00	1083615	0.250	Sericitic alteration	2%	x
100.00	101.00	1.00	1083616	0.169	Sericitic alteration	4%	x
101.00	102.00	1.00	1083617	0.274	Sericitic alteration	2%	x
102.00	103.00	1.00	1083618	0.052	Sericitic alteration	2%	x
103.00	104.00	1.00	1083619	0.285	Sericitic alteration	2%	x
104.00	105.00	1.00	1083620	0.122	Sericitic alteration	1%	x
105.00	106.00	1.00	1083621	0.305	Sericitic alteration	5%	x
106.00	107.00	1.00	1083622	0.066	Sericitic alteration	0%	x
107.00	108.00	1.00	1083623	2.157	Sericitic alteration	3%	x
108.00	109.00	1.00	1083625	0.474	Sericitic alteration	3%	x
109.00	110.00	1.00	1083626	0.382	Sericitic alteration	0%	x
110.00	111.00	1.00	1083627	0.549	Sericitic alteration	1%	x
111.00	112.00	1.00	1083628	0.133	Sericitic alteration	1%	x
112.00	113.00	1.00	1083629	0.143	Sericitic alteration	2%	x
113.00	114.00	1.00	1083631	0.412	Sericitic alteration	5%	x
114.00	115.00	1.00	1083632	0.092	Sericitic alteration	2%	x
115.00	116.00	1.00	1083633	0.240	Sericitic alteration	2%	x 37cm dyke in the sample

116.00	117.00	1.00	1083634	0.111	Sericitic alteration	3%	x
117.00	117.54	0.54	1083635	0.050	Sericitic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>117.54</b>	<b>119.11</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
117.54	119.11	1.57	1083637	0.013	Unaltered		x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>119.11</b>	<b>119.70</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
119.11	119.70	0.59	1083638	0.058	Sericitic alteration	0%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>119.70</b>	<b>120.64</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
119.70	120.64	0.94	1083639	0.075	Unaltered		x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>120.64</b>	<b>127.05</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
120.64	122.00	1.36	1083640	0.097	Sericitic alteration	2%	x
122.00	123.00	1.00	1083641	0.041	Sericitic alteration	2%	x
123.00	124.00	1.00	1083642	0.283	Sericitic alteration	2%	x
124.00	125.00	1.00	1083643	0.138	Sericitic alteration	2%	x
125.00	126.00	1.00	1083644	0.481	Sericitic alteration	2%	x
126.00	127.05	1.05	1083645	0.191	Sericitic alteration	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>127.05</b>	<b>128.95</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
127.05	128.00	0.95	1083646	0.006	Unaltered		x Missing core
128.00	128.95	0.95	1083647	0.005	Unaltered		x Missing core
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>128.95</b>	<b>147.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
128.95	130.00	1.05	1083649	0.596	Sericitic alteration	1%	x
130.00	131.00	1.00	1083651	2.256	Sericitic alteration	0%	x
131.00	132.00	1.00	1083652	0.667	Sericitic alteration	3%	x
132.00	133.00	1.00	1083653	0.026	Sericitic alteration	0%	x
133.00	134.00	1.00	1083654	0.192	Sericitic alteration	3%	x
134.00	135.00	1.00	1083655	0.233	Sericitic alteration	2%	x
135.00	136.00	1.00	1083656	1.478	Sericitic alteration	2%	x missing core and flt in sample
136.00	137.00	1.00	1083657	0.834	Sericitic alteration	4%	x
137.00	138.00	1.00	1083658	0.340	Sericitic alteration	1%	x
138.00	139.00	1.00	1083659	0.388	Sericitic alteration	0%	x

139.00	140.00	1.00	1083661	0.438	Sericitic alteration	1%	x
140.00	141.00	1.00	1083662	0.070	Sericitic alteration	1%	x
141.00	142.00	1.00	1083663	0.383	Sericitic alteration	2%	x
142.00	143.00	1.00	1083664	0.276	Sericitic alteration	2%	x
143.00	144.00	1.00	1083665	0.941	Sericitic alteration	1%	x
144.00	145.00	1.00	1083666	0.386	Sericitic alteration	1%	x
145.00	146.00	1.00	1083667	0.954	Sericitic alteration	2%	x
146.00	147.00	1.00	1083668	0.788	Sericitic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>147.00</b>	<b>151.70</b>	<b>Mafic Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
147.00	148.00	1.00	1083669	0.016	Chloritic alteration		x
148.00	149.00	1.00	1083671	0.005	Chloritic alteration		x
149.00	150.00	1.00	1083673	0.005	Chloritic alteration		x
150.00	151.00	1.00	1083674	0.010	Chloritic alteration		x
151.00	151.70	0.70	1083675	0.011	Chloritic alteration		x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>151.70</b>	<b>156.75</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
151.70	153.00	1.30	1083676	0.192	Sericitic alteration	4%	x
153.00	154.00	1.00	1083677	1.044	Sericitic alteration	1%	x
154.00	155.00	1.00	1083678	0.309	Sericitic alteration	6%	x
155.00	156.00	1.00	1083679	0.954	Sericitic alteration	3%	x
156.00	156.75	0.75	1083680	1.931	Sericitic alteration	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>156.75</b>	<b>164.41</b>	<b>Mafic Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
156.75	158.00	1.25	1083681	0.034	Chloritic alteration	2%	x
158.00	159.00	1.00	1083682	0.017	Chloritic alteration	2%	x
159.00	160.00	1.00	1083683	0.009	Chloritic alteration	2%	x
160.00	161.00	1.00	1083685	0.029	Chloritic alteration	2%	x
161.00	162.00	1.00	1083686	0.028	Chloritic alteration	2%	x
162.00	163.00	1.00	1083687	0.005	Chloritic alteration	2%	x
163.00	164.41	1.41	1083688	0.005	Chloritic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>164.41</b>	<b>167.72</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
164.41	165.00	0.59	1083689	0.669	Sericitic alteration	4%	x
165.00	166.00	1.00	1083691	0.308	Sericitic alteration	3%	x
166.00	167.00	1.00	1083692	0.585	Sericitic alteration	3%	x
167.00	167.72	0.72	1083693	0.238	Sericitic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>167.72</b>	<b>168.79</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
167.72	168.79	1.07	1083694	0.055	Unaltered		x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>168.79</b>	<b>201.50</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
168.79	170.00	1.21	1083695	0.477	Sericitic alteration	1%	x
170.00	171.00	1.00	1083697	1.589	Sericitic alteration	4%	x
171.00	172.00	1.00	1083699	0.362	Sericitic alteration	2%	x
172.00	173.00	1.00	1083700	0.784	Sericitic alteration	1%	x
173.00	174.00	1.00	1083701	0.493	Sericitic alteration	1%	x
174.00	175.00	1.00	1083702	4.830	Sericitic alteration	4%	x
175.00	176.00	1.00	1083703	0.203	Sericitic alteration	4%	x
176.00	177.00	1.00	1083704	0.061	Sericitic alteration	2%	x
177.00	178.00	1.00	1083705	0.154	Sericitic alteration	0%	x
178.00	179.00	1.00	1083706	0.698	Sericitic alteration	2%	x
179.00	180.00	1.00	1083707	0.935	Sericitic alteration	1%	x
180.00	181.00	1.00	1083708	0.421	Sericitic alteration	2%	x
181.00	182.00	1.00	1083709	1.370	Sericitic alteration	1%	x
182.00	183.00	1.00	1083711	1.107	Sericitic alteration	1%	x
183.00	184.00	1.00	1083713	0.820	Sericitic alteration	1%	x
184.00	185.00	1.00	1083714	1.104	Sericitic alteration	2%	x
185.00	186.00	1.00	1083715	0.496	Sericitic alteration	2%	x
186.00	187.00	1.00	1083716	5.860	Sericitic alteration	4%	x
187.00	188.00	1.00	1083717	0.517	Sericitic alteration	2%	x
188.00	189.00	1.00	1083718	0.354	Sericitic alteration	1%	x
189.00	190.00	1.00	1083719	0.427	Sericitic alteration	2%	x
190.00	191.00	1.00	1083720	0.510	Sericitic alteration	1%	x
191.00	192.00	1.00	1083721	5.880	Sericitic alteration	5%	x
192.00	193.00	1.00	1083722	0.099	Sericitic alteration	2%	x
193.00	194.00	1.00	1083723	0.453	Sericitic alteration	6%	x
194.00	195.00	1.00	1083725	0.042	Sericitic alteration	1%	x
195.00	196.00	1.00	1083726	0.308	Sericitic alteration	1%	x
196.00	197.00	1.00	1083727	1.002	Sericitic alteration	1%	x
197.00	198.00	1.00	1083728	0.701	Sericitic alteration	3%	x
198.00	199.00	1.00	1083729	0.990	Sericitic alteration	1%	x
199.00	200.00	1.00	1083731	1.003	Sericitic alteration	1%	x
200.00	201.00	1.00	1083732	0.727	Sericitic alteration	1%	x
201.00	201.50	0.50	1083733	0.651	Sericitic alteration	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>201.50</b>	<b>202.00</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
201.50	202.00	0.50	1083734	0.014	Unaltered		x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>202.00</b>	<b>218.80</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
202.00	203.00	1.00	1083735	0.453	Sericitic alteration	1%	x
203.00	204.00	1.00	1083737	0.275	Sericitic alteration	0%	x
204.00	205.00	1.00	1083738	0.226	Sericitic alteration	1%	x
205.00	206.00	1.00	1083739	0.714	Sericitic alteration	0%	x
206.00	207.00	1.00	1083740	0.836	Sericitic alteration	1%	x
207.00	208.00	1.00	1083741	0.407	Sericitic alteration	1%	x
208.00	209.00	1.00	1083742	0.512	Sericitic alteration	1%	x
209.00	210.00	1.00	1083743	0.593	Sericitic alteration	1%	x
210.00	211.00	1.00	1083744	1.537	Sericitic alteration	2%	x
211.00	212.00	1.00	1083745	1.732	Sericitic alteration	5%	x
212.00	213.00	1.00	1083746	0.154	Sericitic alteration	2%	x
213.00	214.00	1.00	1083747	0.531	Sericitic alteration	2%	x
214.00	215.00	1.00	1083749	0.427	Sericitic alteration	5%	x
215.00	216.00	1.00	1083751	0.762	Sericitic alteration	2%	x
216.00	217.00	1.00	1083752	0.995	Sericitic alteration	8%	x
217.00	218.00	1.00	1083753	0.665	Sericitic alteration	10%	x
218.00	218.80	0.80	1083754	0.107	Sericitic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>218.80</b>	<b>220.00</b>	<b>Quartz Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
218.80	220.00	1.20	1083755	0.152	Chloritic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>220.00</b>	<b>223.63</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
220.00	221.00	1.00	1083756	0.209	Chloritic alteration	2%	x
221.00	222.00	1.00	1083757	0.162	Chloritic alteration	3%	x
222.00	223.00	1.00	1083758	0.069	Chloritic alteration	1%	x
223.00	223.63	0.63	1083759	0.034	Chloritic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>223.63</b>	<b>225.85</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
223.63	225.00	1.37	1083761	0.005	Unaltered		x
225.00	225.85	0.85	1083762	0.013	Unaltered		x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>225.85</b>	<b>228.00</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
225.85	227.00	1.15	1083763	0.083	Chloritic alteration	1%	x
227.00	228.00	1.00	1083764	0.065	Chloritic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>228.00</b>	<b>233.00</b>	<b>Quartz Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
228.00	229.00	1.00	1083765	0.644	Chloritic alteration	1%	x
229.00	230.00	1.00	1083766	0.184	Chloritic alteration	3%	x
230.00	231.00	1.00	1083767	0.231	Chloritic alteration	8%	x
231.00	232.00	1.00	1083768	0.086	Chloritic alteration	3%	x
232.00	233.00	1.00	1083769	0.198	Chloritic alteration	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>233.00</b>	<b>242.00</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
233.00	234.00	1.00	1083771	0.115	Chloritic alteration	2%	x
234.00	235.00	1.00	1083773	0.134	Chloritic alteration	2%	x
235.00	236.00	1.00	1083774	0.288	Chloritic alteration	2%	x
236.00	237.00	1.00	1083775	0.149	Chloritic alteration	3%	x
237.00	238.00	1.00	1083776	0.117	Chloritic alteration	2%	x
238.00	239.00	1.00	1083777	0.461	Chloritic alteration	2%	x
239.00	240.00	1.00	1083778	0.330	Chloritic alteration	2%	x
240.00	241.00	1.00	1083779	0.471	Chloritic alteration	2%	x
241.00	242.00	1.00	1083780	0.219	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>242.00</b>	<b>244.00</b>	<b>Quartz Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
242.00	243.00	1.00	1083781	0.657	Chloritic alteration	3%	x
243.00	244.00	1.00	1083782	0.801	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>244.00</b>	<b>257.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
244.00	245.00	1.00	1083783	1.390	Sericitic alteration	0%	x
245.00	246.00	1.00	1083785	0.739	Sericitic alteration	1%	x
246.00	247.00	1.00	1083786	0.800	Sericitic alteration	1%	x
247.00	248.00	1.00	1083787	1.100	Sericitic alteration	0%	x
248.00	249.00	1.00	1083788	1.443	Sericitic alteration	0%	x
249.00	250.00	1.00	1083789	1.174	Sericitic alteration	1%	x
250.00	251.00	1.00	1083791	1.172	Sericitic alteration	1%	x
251.00	252.00	1.00	1083792	1.587	Sericitic alteration	1%	x
252.00	253.00	1.00	1083793	2.236	Sericitic alteration	1%	x

253.00	254.00	1.00	1083794	0.423	Sericitic alteration	1%	x
254.00	255.00	1.00	1083795	0.886	Sericitic alteration	2%	x
255.00	256.00	1.00	1083797	2.880	Sericitic alteration	1%	x
256.00	257.00	1.00	1083798	4.910	Sericitic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>257.00</b>	<b>259.00</b>	<b>Tonalite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
257.00	258.00	1.00	1083799	0.909	Silicified	2%	x Clr alt Dr fragments
258.00	259.00	1.00	1083800	0.397	Silicified	2%	x Clr alt Dr fragments

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>259.00</b>	<b>285.61</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
259.00	260.00	1.00	1083801	1.177	Silicified	2%	x
260.00	261.00	1.00	1083802	0.458	Silicified	2%	x
261.00	262.00	1.00	1083803	0.426	Silicified	1%	x
262.00	263.00	1.00	1083804	1.560	Silicified	2%	x
263.00	264.00	1.00	1083805	4.230	Silicified	2%	x
264.00	265.00	1.00	1083806	1.778	Silicified	2%	x
265.00	266.00	1.00	1083807	2.521	Silicified	3%	x
266.00	267.00	1.00	1083808	2.194	Silicified	1%	x
267.00	268.00	1.00	1083809	2.810	Sericitic alteration	1%	x
268.00	269.00	1.00	1083811	1.711	Sericitic alteration	1%	x
269.00	270.00	1.00	1083813	4.030	Sericitic alteration	3%	x
270.00	271.00	1.00	1083814	2.186	Sericitic alteration	5%	x
271.00	272.00	1.00	1083815	3.680	Sericitic alteration	5%	x
272.00	273.00	1.00	1083816	1.327	Sericitic alteration	5%	x
273.00	274.00	1.00	1083817	1.704	Sericitic alteration	3%	x
274.00	275.00	1.00	1083818	0.734	Sericitic alteration	4%	x
275.00	276.00	1.00	1083819	1.338	Sericitic alteration	2%	x
276.00	277.00	1.00	1083820	0.410	Sericitic alteration	2%	x
277.00	278.00	1.00	1083821	1.191	Sericitic alteration	3%	x
278.00	279.00	1.00	1083822	1.425	Sericitic alteration	4%	x
279.00	280.00	1.00	1083823	0.907	Sericitic alteration	2%	x
280.00	281.00	1.00	1083825	1.173	Sericitic alteration	4%	x
281.00	282.00	1.00	1083826	0.385	Sericitic alteration	2%	x
282.00	283.00	1.00	1083827	1.308	Sericitic alteration	2%	x
283.00	284.00	1.00	1083828	1.819	Sericitic alteration	2%	x
284.00	285.00	1.00	1083829	4.380	Sericitic alteration	3%	x
285.00	285.61	0.61	1083831	2.705	Sericitic alteration	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>285.61</b>	<b>286.22</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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285.61	286.22	0.61	1083832	0.185	Unaltered		x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>286.22</b>	<b>339.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
286.22	288.00	1.78	1083833	1.668	Sericitic alteration	2%	x
288.00	289.00	1.00	1083834	0.824	Sericitic alteration	2%	x
289.00	290.00	1.00	1083835	0.933	Sericitic alteration	1%	x
290.00	291.00	1.00	1083837	0.487	Sericitic alteration	1%	x
291.00	292.00	1.00	1083838	1.380	Sericitic alteration	1%	x
292.00	293.00	1.00	1083839	0.732	Sericitic alteration	2%	x
293.00	294.00	1.00	1083840	0.659	Sericitic alteration	1%	x
294.00	295.00	1.00	1083841	0.388	Sericitic alteration	1%	x
295.00	296.00	1.00	1083842	0.383	Sericitic alteration	3%	x
296.00	297.00	1.00	1083843	1.612	Sericitic alteration	1%	x
297.00	298.00	1.00	1083844	1.442	Sericitic alteration	1%	x
298.00	299.00	1.00	1083845	1.004	Sericitic alteration	1%	x
299.00	300.00	1.00	1083846	1.801	Sericitic alteration	1%	x
300.00	301.00	1.00	1083847	1.328	Sericitic alteration	1%	x
301.00	302.00	1.00	1083849	6.450	Sericitic alteration	2%	x
302.00	303.00	1.00	1083851	1.167	Sericitic alteration	2%	x
303.00	304.00	1.00	1083852	2.097	Sericitic alteration	1%	x
304.00	305.00	1.00	1083853	0.775	Sericitic alteration	1%	x
305.00	306.00	1.00	1083854	1.141	Sericitic alteration	1%	x
306.00	307.00	1.00	1083855	0.778	Sericitic alteration	1%	x
307.00	308.00	1.00	1083856	0.341	Sericitic alteration	3%	x
308.00	309.00	1.00	1083857	1.023	Sericitic alteration	3%	x
309.00	310.00	1.00	1083858	1.299	Sericitic alteration	1%	x
310.00	311.00	1.00	1083859	0.874	Sericitic alteration	1%	x
311.00	312.00	1.00	1083861	0.422	Sericitic alteration	3%	x
312.00	313.00	1.00	1083862	0.690	Sericitic alteration	3%	x
313.00	314.00	1.00	1083863	2.096	Sericitic alteration	1%	x
314.00	315.00	1.00	1083864	1.548	Sericitic alteration	1%	x
315.00	316.00	1.00	1083865	2.101	Sericitic alteration	4%	x
316.00	317.00	1.00	1083866	1.640	Sericitic alteration	2%	x
317.00	318.00	1.00	1083867	1.645	Sericitic alteration	2%	x
318.00	319.00	1.00	1083868	1.814	Sericitic alteration	2%	x
319.00	320.00	1.00	1083869	2.952	Sericitic alteration	2%	x
320.00	321.00	1.00	1083871	1.621	Silicified	3%	x
321.00	322.00	1.00	1083873	0.947	Silicified	3%	x
322.00	323.00	1.00	1083874	0.757	Silicified	3%	x
323.00	324.00	1.00	1083875	0.236	Silicified	3%	x
324.00	325.00	1.00	1083876	0.657	Silicified	2%	x

325.00	326.00	1.00	1083877	0.379	Silicified	3%	x
326.00	327.00	1.00	1083878	1.205	Silicified	2%	x
327.00	328.00	1.00	1083879	0.922	Silicified	2%	x
328.00	329.00	1.00	1083880	0.175	Silicified	3%	x
329.00	330.00	1.00	1083881	0.177	Silicified	2%	x
330.00	331.00	1.00	1083882	0.702	Silicified	2%	x
331.00	332.00	1.00	1083883	0.269	Sericitic alteration	8%	x
332.00	333.00	1.00	1083885	1.398	Sericitic alteration	2%	x
333.00	334.00	1.00	1083886	1.718	Sericitic alteration	2%	x
334.00	335.00	1.00	1083887	1.409	Sericitic alteration	2%	x
335.00	336.00	1.00	1083888	3.670	Sericitic alteration	2%	x
336.00	337.00	1.00	1083889	0.350	Sericitic alteration	2%	x
337.00	338.00	1.00	1083891	0.288	Sericitic alteration	2%	x
338.00	339.00	1.00	1083892	0.537	Sericitic alteration	5%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>339.00</b>	<b>384.63</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
339.00	340.00	1.00	1083893	1.915	Silicified	4%	x Matrix with very strong Sil overprint. Could be ton 2 Beccia. Clast size and angularity+ mineralogy and # of frac/Vns push HdBX hypothesis This could be reviewed. (from 339 to 377)
340.00	341.00	1.00	1083894	0.270	Silicified	6%	x
341.00	342.00	1.00	1083895	1.414	Silicified	4%	x
342.00	343.00	1.00	1083897	1.441	Silicified	4%	x
343.00	344.00	1.00	1083898	0.905	Silicified	4%	x
344.00	345.00	1.00	1083899	3.390	Silicified	4%	x
345.00	346.00	1.00	1083900	1.611	Silicified	4%	x
346.00	347.00	1.00	1083901	0.276	Sericitic alteration	2%	x
347.00	348.00	1.00	1083902	0.343	Silicified	2%	x
348.00	349.00	1.00	1083903	0.719	Silicified	1%	x
349.00	350.00	1.00	1083904	0.504	Silicified	3%	x
350.00	351.00	1.00	1083905	1.862	Silicified	2%	x
351.00	352.00	1.00	1083906	3.430	Silicified	3%	x
352.00	353.00	1.00	1083907	1.375	Silicified	3%	x
353.00	354.00	1.00	1083908	0.649	Silicified	1%	x
354.00	355.00	1.00	1083909	0.498	Silicified	2%	x
355.00	356.00	1.00	1083911	0.267	Silicified	4%	x
356.00	357.00	1.00	1083913	1.662	Silicified	3%	x
357.00	358.00	1.00	1083914	0.231	Silicified	10%	x
358.00	359.00	1.00	1083915	0.180	Silicified	2%	x
359.00	360.00	1.00	1083916	0.242	Silicified	2%	x

360.00	361.00	1.00	1083917	4.430	Silicified	10%	x
361.00	362.00	1.00	1083918	2.392	Silicified	2%	x
362.00	363.00	1.00	1083919	0.596	Silicified	4%	x
363.00	364.00	1.00	1083920	1.084	Silicified	2%	x
364.00	365.00	1.00	1083921	0.915	Silicified	2%	x
365.00	366.00	1.00	1083922	0.640	Silicified	2%	x
366.00	367.00	1.00	1083923	0.272	Silicified	2%	x
367.00	368.00	1.00	1083925	0.348	Silicified	3%	x
368.00	369.00	1.00	1083926	0.926	Silicified	2%	x
369.00	370.00	1.00	1083927	0.648	Silicified	2%	x
370.00	371.00	1.00	1083928	0.924	Silicified	3%	x
371.00	372.00	1.00	1083929	3.090	Silicified	2%	x
372.00	373.00	1.00	1083931	0.119	Silicified	2%	x
373.00	374.00	1.00	1083932	1.162	Silicified	2%	x
374.00	375.00	1.00	1083933	0.181	Silicified	3%	x
375.00	376.00	1.00	1083934	0.188	Silicified	2%	x
376.00	377.00	1.00	1083935	0.126	Silicified	2%	x
377.00	378.00	1.00	1083937	0.435	Silicified	2%	x Matrix with Cl+Bo+Sulf, sometime Sil overprinted. Could be Dr breccia overprinted by HD fluids but almost no LX
378.00	379.00	1.00	1083938	0.556	Silicified	2%	x
379.00	380.00	1.00	1083939	1.293	Silicified	2%	x
380.00	381.00	1.00	1083940	0.465	Silicified	2%	x
381.00	382.00	1.00	1083941	0.781	Silicified	2%	x
382.00	383.00	1.00	1083942	0.795	Silicified	2%	x
383.00	384.00	1.00	1083943	0.626	Silicified	2%	x
384.00	384.63	0.63	1083944	0.239	Silicified	1%	x

From	To	Lithologic Group					
384.63	385.68	Lamprophyre Dyke					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
384.63	385.68	1.05	1083945	0.020	Unaltered		

From	To	Lithologic Group					
385.68	389.20	Hydrothermal Breccia					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
385.68	387.00	1.32	1083946	0.155	Silicified	15%	x
387.00	388.00	1.00	1083947	0.276	Silicified	3%	x
388.00	389.20	1.20	1083949	0.113	Silicified	3%	x

From	To	Lithologic Group					
389.20	390.20	Lamprophyre Dyke					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
389.20	390.20	1.00	1083951	0.036	Unaltered		

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>390.20</b>	<b>407.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
390.20	391.00	0.80	1083952	0.083	Silicified	3%	x
391.00	392.00	1.00	1083953	0.433	Silicified	3%	x
392.00	393.00	1.00	1083954	0.183	Silicified	3%	x
393.00	394.00	1.00	1083955	0.243	Silicified	3%	x
394.00	395.00	1.00	1083956	0.161	Silicified	10%	x
395.00	396.00	1.00	1083957	0.577	Silicified	3%	x
396.00	397.00	1.00	1083958	1.184	Silicified	3%	x
397.00	398.00	1.00	1083959	0.176	Silicified	5%	x
398.00	399.00	1.00	1083961	0.315	Silicified	4%	x
399.00	400.00	1.00	1083962	0.462	Silicified	4%	x
400.00	401.00	1.00	1083963	0.163	Silicified	3%	x
401.00	402.00	1.00	1083964	0.209	Silicified	3%	x
402.00	403.00	1.00	1083965	0.088	Silicified	3%	x
403.00	404.00	1.00	1083966	0.195	Silicified	3%	x
404.00	405.00	1.00	1083967	1.013	Silicified	3%	x
405.00	406.00	1.00	1083968	0.149	Silicified	3%	x
406.00	407.00	1.00	1083969	0.130	Silicified	5%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>407.00</b>	<b>408.00</b>	<b>Fault Zone</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
407.00	408.00	1.00	1083971	0.252	Chloritic alteration	1%	x This is either In stitus BxDr or In situs HdBX from 407 to 426. CL and Bo in M push HdBx. There is a flt from 407.5 to 408 that could also be very very strong Bx with CL +++
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>408.00</b>	<b>416.09</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
408.00	409.00	1.00	1083973	0.034	Chloritic alteration	1%	x
409.00	410.00	1.00	1083974	0.049	Chloritic alteration	1%	x
410.00	411.00	1.00	1083975	0.060	Chloritic alteration	1%	x
411.00	412.00	1.00	1083976	0.287	Chloritic alteration	1%	x
412.00	413.00	1.00	1083977	0.083	Chloritic alteration	1%	x
413.00	414.00	1.00	1083978	0.084	Chloritic alteration	1%	x
414.00	415.00	1.00	1083979	0.163	Chloritic alteration	1%	x
415.00	416.09	1.09	1083980	0.207	Chloritic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>416.09</b>	<b>416.65</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

416.09	416.65	0.56	1083981	0.011	Unaltered		
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>416.65</b>	<b>426.00</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
416.65	418.00	1.35	1083982	0.196	Silicified	1%	x
418.00	419.00	1.00	1083983	0.084	Silicified	1%	x
419.00	420.00	1.00	1083985	0.061	Silicified	1%	x
420.00	421.00	1.00	1083986	0.170	Silicified	1%	x
421.00	422.00	1.00	1083987	0.349	Silicified	1%	x
422.00	423.00	1.00	1083988	0.374	Silicified	1%	x
423.00	424.00	1.00	1083989	0.128	Silicified	1%	x
424.00	425.00	1.00	1083991	0.353	Silicified	2%	x
425.00	426.00	1.00	1083992	0.386	Silicified	2%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>426.00</b>	<b>429.09</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
426.00	427.00	1.00	1083993	0.166	Silicified	2%	x probably still in HdBx but less than 5 %
427.00	428.00	1.00	1083994	0.199	Silicified	2%	x
428.00	429.09	1.09	1083995	0.188	Silicified	2%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>429.09</b>	<b>430.85</b>		<b>Mafic Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
429.09	430.00	0.91	1083997	0.429	Chloritic alteration	2%	x small 20 cm of ton in middle of the dyke (dyke could be fine grained Dr)
430.00	430.85	0.85	1083998	0.343	Chloritic alteration	1%	x (dyke could be fine grained Dr)
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>430.85</b>	<b>440.25</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
430.85	432.00	1.15	1083999	0.479	Silicified	2%	x
432.00	433.00	1.00	1084000	0.535	Silicified	2%	x
433.00	434.00	1.00	1084001	0.221	Silicified	2%	x
434.00	435.00	1.00	1084002	0.123	Silicified	3%	x
435.00	436.00	1.00	1084003	0.331	Silicified	3%	x
436.00	437.00	1.00	1084004	0.293	Silicified	1%	x
437.00	438.00	1.00	1084005	0.330	Silicified	1%	x
438.00	439.00	1.00	1084006	0.596	Silicified	1%	x
439.00	440.25	1.25	1084007	0.653	Silicified	2%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>440.25</b>	<b>442.56</b>		<b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

440.25	441.00	0.75	1084008	0.025	Chloritic alteration	30%	x
441.00	442.56	1.56	1084009	0.098	Chloritic alteration	5%	x with 45 cm ton
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>442.56</b>	<b>443.50</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
442.56	443.50	0.94	1084011	0.451	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>443.50</b>	<b>445.10</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
443.50	445.10	1.60	1084013	0.320	Biotitic alteration	2%	x 10 cm ton fragment
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>445.10</b>	<b>476.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
445.10	446.00	0.90	1084014	0.332	Silicified	2%	x
446.00	447.00	1.00	1084015	0.472	Silicified	4%	x
447.00	448.00	1.00	1084016	1.011	Silicified	2%	x
448.00	449.00	1.00	1084017	0.947	Silicified	2%	x
449.00	450.00	1.00	1084018	0.826	Silicified	2%	x
450.00	451.00	1.00	1084019	1.024	Silicified	3%	x
451.00	452.00	1.00	1084020	0.665	Sericitic alteration	6%	x
452.00	453.00	1.00	1084021	0.476	Silicified	3%	x
453.00	454.00	1.00	1084022	0.712	Silicified	2%	x
454.00	455.00	1.00	1084023	0.387	Silicified	2%	x
455.00	456.00	1.00	1084025	0.315	Silicified	2%	x
456.00	457.00	1.00	1084026	0.513	Silicified	2%	x
457.00	458.00	1.00	1084027	0.093	Silicified	2%	x
458.00	459.00	1.00	1084028	0.151	Silicified	2%	x
459.00	460.00	1.00	1084029	0.144	Silicified	2%	x
460.00	461.00	1.00	1084031	0.179	Silicified	2%	x
461.00	462.00	1.00	1084032	0.200	Silicified	2%	x
462.00	463.00	1.00	1084033	0.212	Silicified	2%	x
463.00	464.00	1.00	1084034	0.337	Silicified	2%	x
464.00	465.00	1.00	1084035	0.209	Silicified	2%	x
465.00	466.00	1.00	1084037	0.091	Silicified	2%	x
466.00	467.00	1.00	1084038	0.346	Silicified	2%	x
467.00	468.00	1.00	1084039	0.395	Silicified	2%	x
468.00	469.00	1.00	1084040	0.347	Silicified	2%	x
469.00	470.00	1.00	1084041	0.443	Silicified	2%	x
470.00	471.00	1.00	1084042	0.359	Silicified	2%	x
471.00	472.00	1.00	1084043	0.406	Silicified	2%	x
472.00	473.00	1.00	1084044	0.183	Silicified	4%	x
473.00	474.00	1.00	1084045	0.551	Silicified	2%	x

474.00	475.00	1.00	1084046	0.686	Silicified	2%	x
475.00	476.00	1.00	1084047	0.808	Silicified	2%	x

# DRILL HOLE REPORT

Drill Hole **GOS20-34** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 330.0  
 Dip -60.0  
 Length 426.0 m  
 Started 21-Jan-20  
 Completed 31-Jan-20  
 Logged 05-Feb-20  
 Logged by Brian Tomczuk

Company  
 Contractor NPLH  
 Position  
 Bore Size NQ  
 Sample Storage Cote Cote Shack  
 Casing STEEL  
 Condition Capped

Survey Details:

Claim Number PAT-11117  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Collar Survey  
 Coord Survey Tool SURV

Coordinates:

Easting 430778.47  
 Northing 5267424.64  
 Elevation 391.77

UTM Datum NAD83  
 UTM Zone 17

**Target**

**Comments** Orientation of hole was incorrect and rectified at 342m. Any orientation up hole cannot be relied on

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
18.0	329.60	-61.20	55574			273.0	327.40	-60.70	55044		
18.0	329.60	-61.20	55574			273.0	327.40	-60.70	55044		
69.0	327.90	-61.40	54957			324.0	328.30	-60.90	55421		
69.0	327.90	-61.40	54957			324.0	328.30	-60.90	55421		
120.0	328.10	-61.40	55089			375.0	328.00	-61.00	55219		
120.0	328.10	-61.40	55089			375.0	328.00	-61.00	55219		
171.0	328.40	-61.30	55321								
171.0	328.40	-61.30	55321								
221.0	327.00	-61.00	55833								
221.0	327.00	-61.00	55833								



From 0.00	To 3.86	Lithologic Group Overburden					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	3.86	3.86			Unaltered		
From 3.86	To 68.38	Lithologic Group Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
3.86	5.00	1.14	858251	0.028	Biotitic alteration	1%	
5.00	6.00	1.00	858252	0.013	Biotitic alteration	1%	
6.00	7.00	1.00	858253	0.026	Biotitic alteration	1%	
7.00	8.00	1.00	858254	0.005	Biotitic alteration	1%	
8.00	9.00	1.00	858255	0.045	Sericitic alteration	1%	
9.00	10.00	1.00	858256	0.030	Sericitic alteration	1%	
10.00	11.00	1.00	858257	0.006	Biotitic alteration	1%	
11.00	12.00	1.00	858258	0.012	Sericitic alteration	1%	
12.00	13.00	1.00	858259	0.044	Biotitic alteration	1%	
13.00	14.00	1.00	858261	0.035	Biotitic alteration	1%	
14.00	15.00	1.00	858262	0.032	Biotitic alteration	1%	
15.00	16.00	1.00	858263	0.014	Biotitic alteration	1%	plag porph txtr strong
16.00	17.65	1.65	858264	0.026	Biotitic alteration	1%	plag porph txtr strong
17.65	18.30	0.65	858265	0.053	Sericitic alteration	1%	
18.30	19.35	1.05	858266	0.022	Sericitic alteration	4%	
19.35	20.00	0.65	858267	0.014	Sericitic alteration	1%	
20.00	21.00	1.00	858268	0.017	Sericitic alteration	1%	
21.00	22.00	1.00	858269	0.011	Chloritic alteration	1%	
22.00	22.91	0.91	858271	0.107	Sericitic alteration	2%	asp superimposed on bi-cb frcs
22.91	23.98	1.07	858273	0.031	Biotitic alteration	1%	
23.98	24.40	0.42	858274	35.000	Sericitic alteration	30%	visible gold (1 mm speck) in 12 cm wide mass layered py-cpy-mo-qtz-cb-chl vn
24.40	25.32	0.92	858276	0.112	Sericitic alteration	3%	Mo hosted in 2 x vein at 24.76 and 25.09m
25.32	26.00	0.68	858277	0.035	Chloritic alteration	1%	
26.00	27.00	1.00	858278	0.005	Chloritic alteration	1%	
27.00	28.00	1.00	858279	0.017	Chloritic alteration	1%	
28.00	29.00	1.00	858280	0.007	Biotitic alteration	1%	plag porph txtr strong
29.00	30.00	1.00	858281	0.014	Silicified	2%	plag porph txtr strong
30.00	31.00	1.00	858282	0.008	Silicified	3%	plag porph txtr strong
31.00	32.00	1.00	858283	0.491	Sericitic alteration	2%	plag porph txtr strong

32.00	33.00	1.00	858285	0.095	Sericitic alteration	3%	plag porph txtr strong
33.00	34.00	1.00	858286	0.034	Sericitic alteration	2%	plag porph txtr strong
34.00	35.00	1.00	858287	0.125	Sericitic alteration	2%	plag porph txtr strong
35.00	36.00	1.00	858288	0.094	Sericitic alteration	2%	plag porph txtr strong
36.00	37.00	1.00	858289	0.049	Sericitic alteration	1%	plag porph txtr strong
37.00	38.00	1.00	858291	0.045	Sericitic alteration	1%	plag porph txtr strong
38.00	39.00	1.00	858292	0.024	Sericitic alteration	1%	plag porph txtr strong
39.00	39.95	0.95	858293	0.060	Sericitic alteration	1%	plag porph txtr strong
39.95	40.56	0.61	858294	0.016	Sericitic alteration	1%	
40.56	41.50	0.94	858295	0.005	Sericitic alteration	1%	plag porph txtr strong
41.50	42.50	1.00	858297	0.005	Sericitic alteration	1%	plag porph txtr strong
42.50	43.50	1.00	858298	0.052	Sericitic alteration	1%	plag porph txtr strong
43.50	44.50	1.00	858299	0.045	Sericitic alteration	1%	plag porph txtr strong
44.50	45.50	1.00	858300	0.048	Sericitic alteration	1%	plag porph txtr strong
45.50	47.00	1.50	858301	0.058	Sericitic alteration	1%	
47.00	47.80	0.80	858302	2.471	Sericitic alteration	50%	50% veining
47.80	48.46	0.66	858303	0.025	Sericitic alteration	1%	
48.46	48.90	0.44	858304	0.100	Sericitic alteration	50%	50% veining
48.90	49.40	0.50	858305	0.005	Sericitic alteration	1%	
49.40	50.35	0.95	858306	0.007	Sericitic alteration	1%	
50.35	51.00	0.65	858307	0.084	Sericitic alteration	1%	
51.00	52.00	1.00	858308	0.033	Sericitic alteration	1%	
52.00	52.90	0.90	858309	0.087	Sericitic alteration	1%	
52.90	54.45	1.55	858311	0.023	Sericitic alteration	95%	95% veining
54.45	55.87	1.42	858313	0.049	Sericitic alteration	1%	
55.87	57.23	1.36	858314	0.012	Sericitic alteration	15%	
57.23	58.00	0.77	858315	0.011	Sericitic alteration	1%	
58.00	59.00	1.00	858316	0.056	Sericitic alteration	1%	
59.00	60.00	1.00	858317	0.017	Sericitic alteration	3%	
60.00	61.00	1.00	858318	0.103	Sericitic alteration	2%	
61.00	62.00	1.00	858319	0.110	Sericitic alteration	3%	
62.00	63.00	1.00	858320	0.018	Sericitic alteration	2%	
63.00	64.00	1.00	858321	0.010	Sericitic alteration	4%	
64.00	65.00	1.00	858322	0.032	Sericitic alteration	4%	QDR frg in tonalite
65.00	66.00	1.00	858323	0.388	Sericitic alteration	3%	
66.00	67.00	1.00	858325	0.111	Sericitic alteration	2%	
67.00	68.38	1.38	858326	0.027	Sericitic alteration	3%	

From	To	Lithologic Group	
68.38	69.38	Quartz diorite	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
68.38	69.38	1.00	858327	0.093	Chloritic alteration	3%	wk cb altn

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>69.38</b>	<b>71.20</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
69.38	70.20	0.82	858328	0.046	Silicified	5%	
70.20	71.20	1.00	858329	0.039	Silicified	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>71.20</b>	<b>72.83</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
71.20	72.83	1.63	858331	0.073	Chloritic alteration	2%	mod cb altn
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>72.83</b>	<b>108.20</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
72.83	74.00	1.17	858332	0.123	Silicified	3%	
74.00	75.00	1.00	858333	0.073	Silicified	1%	
75.00	76.00	1.00	858334	0.083	Silicified	1%	
76.00	77.00	1.00	858335	0.021	Silicified	1%	
77.00	78.00	1.00	858337	0.013	Silicified	1%	
78.00	79.00	1.00	858338	0.035	Silicified	1%	
79.00	80.35	1.35	858339	0.058	Silicified	1%	
80.35	81.00	0.65	858340	0.007	Silicified	1%	
81.00	82.00	1.00	858341	0.010	Silicified	1%	
82.00	83.00	1.00	858342	0.043	Silicified	1%	
83.00	84.00	1.00	858343	0.034	Silicified	1%	
84.00	85.00	1.00	858344	0.052	Silicified	1%	
85.00	86.00	1.00	858345	0.040	Silicified	2%	
86.00	87.00	1.00	858346	0.032	Silicified	2%	
87.00	88.00	1.00	858347	0.030	Silicified	1%	
88.00	89.00	1.00	858349	0.096	Silicified	2%	
89.00	90.00	1.00	858351	0.118	Silicified	2%	
90.00	90.85	0.85	858352	0.149	Silicified	2%	
90.85	92.00	1.15	858353	0.081	Silicified	2%	
92.00	93.00	1.00	858354	0.124	Silicified	1%	
93.00	94.00	1.00	858355	0.198	Silicified	1%	
94.00	95.00	1.00	858356	1.334	Silicified	3%	
95.00	96.00	1.00	858357	0.371	Silicified	4%	
96.00	97.00	1.00	858358	0.342	Silicified	5%	
97.00	98.00	1.00	858359	0.223	Sericitic alteration	4%	
98.00	99.00	1.00	858361	7.200	Sericitic alteration	4%	
99.00	100.55	1.55	858362	0.216	Silicified	1%	
100.55	101.50	0.95	858363	0.245	Sericitic alteration	1%	
101.50	102.50	1.00	858364	0.031	Sericitic alteration	1%	
102.50	103.50	1.00	858365	0.060	Sericitic alteration	4%	

103.50	104.50	1.00	858366	0.045	Sericitic alteration	4%	
104.50	105.50	1.00	858367	0.304	Sericitic alteration	3%	
105.50	106.50	1.00	858368	0.251	Sericitic alteration	4%	
106.50	107.44	0.94	858369	0.059	Sericitic alteration	3%	
107.44	108.20	0.76	858371	0.032	Silicified	4%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>108.20</b>	<b>108.53</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
108.20	108.53	0.33	858373	0.019	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>108.53</b>	<b>113.38</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
108.53	109.11	0.58	858374	0.090	Silicified	3%	possibly overprinted breccia
109.11	110.24	1.13	858375	0.151	Silicified	2%	
110.24	111.00	0.76	858376	0.172	Silicified	3%	
111.00	112.00	1.00	858377	0.098	Silicified	3%	
112.00	113.38	1.38	858378	0.093	Silicified	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>113.38</b>	<b>128.00</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
113.38	114.89	1.51	858379	0.012	Chloritic alteration	0%	YS contact zone; vwk foliation with frgs of Tonalite (~5%)
114.89	116.00	1.11	858380	0.214	Chloritic alteration	90%	YS contact vein, 90% vein 10% wallrock
116.00	117.50	1.50	858381	0.824	Chloritic alteration	0%	
117.50	119.00	1.50	858382	0.142	Chloritic alteration	0%	
119.00	120.50	1.50	858383	0.010	Chloritic alteration	0%	
120.50	122.00	1.50	858385	0.009	Chloritic alteration	5%	
122.00	123.50	1.50	858386	0.110	Chloritic alteration	5%	
123.50	125.20	1.70	858387	0.022	Chloritic alteration	5%	
125.20	126.50	1.30	858388	0.020	Chloritic alteration	10%	
126.50	128.00	1.50	858389	0.026	Chloritic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>128.00</b>	<b>130.96</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
128.00	129.00	1.00	858391	0.031	Chloritic alteration	10%	
129.00	130.00	1.00	858392	0.298	Chloritic alteration	1%	
130.00	130.96	0.96	858393	0.169	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>130.96</b>	<b>131.26</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
130.96	131.26	0.30	858394	0.050	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>131.26</b>	<b>132.06</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
131.26	132.06	0.80	858395	0.031	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>132.06</b>	<b>133.40</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
132.06	133.40	1.34	858397	0.115	Chloritic alteration	2%	25cm chloritized portion of sample
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>133.40</b>	<b>135.85</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
133.40	134.50	1.10	858398	0.018	Chloritic alteration	0%	chloritized and carbonitized, probably diorite
134.50	135.85	1.35	858399	0.013	Chloritic alteration	0%	chloritized and carbonitized, probably diorite; contains 10cm frag of ton
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>135.85</b>	<b>140.95</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
135.85	136.36	0.51	858400	0.106	Chloritic alteration	0%	chloritized tonalite
136.36	137.00	0.64	858401	0.008	Silicified	2%	
137.00	138.00	1.00	858402	0.155	Silicified	2%	
138.00	139.00	1.00	858403	0.138	Silicified	2%	
139.00	140.20	1.20	858404	0.679	Silicified	2%	
140.20	140.95	0.75	858405	0.794	Silicified	2%	unit slightly brecciated by possible silicified fault breccia?
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>140.95</b>	<b>141.35</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
140.95	141.35	0.40	858406	0.424	Chloritic alteration	0%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>141.35</b>	<b>143.96</b>	<b>Fault Zone</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
141.35	142.70	1.35	858407	0.054	Chloritic alteration	0%	heteroithic chlorite cemented fault breccia
142.70	143.96	1.26	858408	0.067	Chloritic alteration	0%	heteroithic chlorite cemented fault breccia
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>143.96</b>	<b>145.33</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
143.96	145.33	1.37	858409	0.210	Chloritic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>145.33</b>	<b>147.50</b>	<b>Tonalite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
145.33	146.50	1.17	858411	0.052	Chloritic alteration	0%	40% frgs
146.50	147.50	1.00	858413	2.433	Chloritic alteration	0%	frgs grading into in-situ style 'crackle breccia' observed proximal to breccia bodies
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>147.50</b>	<b>149.16</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
147.50	148.50	1.00	858414	0.076	Silicified	5%	
148.50	149.16	0.66	858415	0.036	Silicified	1%	possible overprinted breccia texture
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>149.16</b>	<b>155.87</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
149.16	150.50	1.34	858416	0.032	Chloritic alteration	0%	more porphyritic than dykes drilled in GOS18 and GOS20; silicified
150.50	152.00	1.50	858417	0.038	Chloritic alteration	0%	more porphyritic than dykes drilled in GOS18 and GOS20; silicified
152.00	153.50	1.50	858418	0.062	Chloritic alteration	0%	more porphyritic than dykes drilled in GOS18 and GOS20; silicified
153.50	155.00	1.50	858419	0.015	Chloritic alteration	0%	more porphyritic than dykes drilled in GOS18 and GOS20; silicified
155.00	155.87	0.87	858420	0.020	Chloritic alteration	0%	very fine grained chilled margin of dike
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>155.87</b>	<b>160.00</b>	<b>Tonalite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
155.87	157.00	1.13	858421	0.634	Chloritic alteration	0%	
157.00	158.00	1.00	858422	0.179	Chloritic alteration	0%	
158.00	159.00	1.00	858423	0.159	Chloritic alteration	0%	
159.00	160.00	1.00	858425	0.160	Chloritic alteration	0%	more crackle style breccia seem on periphery of breccia bodies
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>160.00</b>	<b>167.73</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
160.00	161.00	1.00	858426	0.095	Silicified	3%	
161.00	162.00	1.00	858427	0.438	Silicified	3%	
162.00	163.25	1.25	858428	0.201	Silicified	3%	
163.25	164.00	0.75	858429	0.204	Silicified	3%	
164.00	165.00	1.00	858431	0.108	Silicified	1%	

165.00	166.00	1.00	858432	0.157	Silicified	1%
166.00	167.00	1.00	858433	0.126	Silicified	1%
167.00	167.73	0.73	858434	0.091	Silicified	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>167.73</b>	<b>168.85</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
167.73	168.85	1.12	858435	0.063	Chloritic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>168.85</b>	<b>194.14</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
168.85	170.00	1.15	858437	0.075	Silicified	1%	
170.00	171.00	1.00	858438	0.238	Silicified	1%	
171.00	172.00	1.00	858439	0.053	Silicified	1%	
172.00	173.00	1.00	858440	0.113	Silicified	1%	
173.00	174.00	1.00	858441	0.533	Silicified	1%	
174.00	175.00	1.00	858442	0.201	Silicified	1%	
175.00	176.00	1.00	858443	0.049	Silicified	1%	
176.00	177.00	1.00	858444	0.401	Silicified	1%	
177.00	178.00	1.00	858445	0.280	Silicified	1%	
178.00	179.00	1.00	858446	0.143	Silicified	1%	
179.00	180.00	1.00	858447	0.236	Silicified	4%	
180.00	181.00	1.00	858449	0.107	Silicified	4%	
181.00	182.00	1.00	858451	0.075	Silicified	1%	
182.00	183.00	1.00	858452	0.091	Silicified	1%	
183.00	184.00	1.00	858453	0.020	Silicified	1%	
184.00	185.00	1.00	858454	0.186	Silicified	1%	
185.00	186.00	1.00	858455	0.102	Silicified	1%	
186.00	187.00	1.00	858456	0.026	Silicified	1%	
187.00	188.00	1.00	858457	0.064	Silicified	1%	
188.00	189.00	1.00	858458	0.014	Silicified	1%	
189.00	190.00	1.00	858459	0.018	Silicified	1%	
190.00	191.00	1.00	858461	0.065	Silicified	3%	
191.00	192.00	1.00	858462	0.148	Silicified	2%	
192.00	193.00	1.00	858463	0.298	Silicified	2%	
193.00	194.14	1.14	858464	0.077	Silicified	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>194.14</b>	<b>294.98</b>	<b>Diabase</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
194.14	195.00	0.86	858465	0.005	Unaltered	0%	
195.00	294.00	99.00			Unaltered	0%	
294.00	294.98	0.98	858466	0.005	Unaltered	0%	

<b>From</b> <b>294.98</b>	<b>To</b> <b>375.02</b>	<b>Lithologic Group</b>					
		<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
294.98	296.00	1.02	858467	0.005	Silicified	2%	sheared and cooked up tonalite local to diabase contact?
296.00	297.00	1.00	858468	0.005	Silicified	2%	sheared and cooked up tonalite local to diabase contact?
297.00	298.00	1.00	858469	0.005	Silicified	2%	
298.00	299.00	1.00	858471	0.477	Silicified	2%	
299.00	300.00	1.00	858473	0.248	Silicified	4%	
300.00	301.00	1.00	858474	0.244	Silicified	4%	
301.00	302.00	1.00	858475	0.577	Silicified	4%	
302.00	303.00	1.00	858476	1.584	Silicified	4%	
303.00	304.00	1.00	858477	0.137	Chloritic alteration	4%	
304.00	305.00	1.00	858478	0.089	Chloritic alteration	3%	
305.00	306.00	1.00	858479	0.120	Chloritic alteration	3%	
306.00	307.00	1.00	858480	0.843	Sericitic alteration	1%	
307.00	307.81	0.81	858481	0.684	Sericitic alteration	1%	
307.81	309.00	1.19	858482	0.018	Silicified	1%	
309.00	310.35	1.35	858483	0.050	Sericitic alteration	1%	
310.35	311.30	0.95	858485	0.085	Sericitic alteration	1%	
311.30	312.30	1.00	858486	0.172	Sericitic alteration	1%	
312.30	313.30	1.00	858487	0.098	Sericitic alteration	1%	
313.30	314.30	1.00	858488	1.773	Sericitic alteration	1%	
314.30	315.25	0.95	858489	2.795	Sericitic alteration	1%	
315.25	316.24	0.99	858491	0.437	Sericitic alteration	1%	
316.24	317.00	0.76	858492	0.274	Sericitic alteration	1%	
317.00	318.00	1.00	858493	0.417	Silicified	1%	
318.00	319.00	1.00	858494	0.639	Silicified	2%	
319.00	320.00	1.00	858495	0.309	Silicified	3%	
320.00	321.00	1.00	858497	0.508	Sericitic alteration	3%	
321.00	322.00	1.00	858498	0.620	Sericitic alteration	4%	
322.00	323.00	1.00	858499	0.235	Sericitic alteration	1%	Mo on frc facr at 322.05m
323.00	324.00	1.00	858500	0.362	Sericitic alteration	1%	
324.00	324.88	0.88	455051	0.644	Sericitic alteration	1%	
324.88	326.00	1.12	455052	0.327	Sericitic alteration	1%	
326.00	327.00	1.00	455053	3.560	Sericitic alteration	1%	
327.00	328.00	1.00	455054	1.063	Sericitic alteration	2%	
328.00	329.00	1.00	455055	0.258	Sericitic alteration	2%	
329.00	330.00	1.00	455056	0.342	Sericitic alteration	2%	
330.00	331.00	1.00	455057	0.918	Sericitic alteration	2%	
331.00	332.00	1.00	455058	0.641	Sericitic alteration	1%	
332.00	333.00	1.00	455059	1.142	Silicified	1%	



333.00	334.00	1.00	455061	1.615	Silicified	2%
334.00	335.00	1.00	455062	0.236	Silicified	1%
335.00	336.00	1.00	455063	0.221	Biotitic alteration	1%
336.00	337.00	1.00	455064	0.547	Biotitic alteration	1%
337.00	338.00	1.00	455065	0.432	Biotitic alteration	2%
338.00	339.00	1.00	455066	0.324	Biotitic alteration	1%
339.00	340.00	1.00	455067	0.265	Biotitic alteration	1%
340.00	341.00	1.00	455068	0.550	Biotitic alteration	1%
341.00	342.00	1.00	455069	0.145	Biotitic alteration	1%
342.00	343.00	1.00	455071	0.274	Biotitic alteration	1%
343.00	344.00	1.00	455073	0.443	Biotitic alteration	1%
344.00	345.00	1.00	455074	0.392	Sericitic alteration	1%
345.00	346.00	1.00	455075	0.772	Sericitic alteration	2%
346.00	347.00	1.00	455076	0.140	Sericitic alteration	2%
347.00	348.00	1.00	455077	0.629	Sericitic alteration	2%
348.00	349.00	1.00	455078	0.178	Sericitic alteration	2%
349.00	350.00	1.00	455079	0.460	Sericitic alteration	2%
350.00	351.00	1.00	455080	0.355	Sericitic alteration	2%
351.00	352.00	1.00	455081	0.407	Biotitic alteration	2%
352.00	353.00	1.00	455082	0.063	Biotitic alteration	1%
353.00	354.00	1.00	455083	0.146	Biotitic alteration	1%
354.00	355.00	1.00	455085	0.091	Sericitic alteration	1%
355.00	356.00	1.00	455086	1.166	Sericitic alteration	2%
356.00	357.00	1.00	455087	0.527	Sericitic alteration	3%
357.00	358.00	1.00	455088	0.310	Sericitic alteration	1%
358.00	359.20	1.20	455089	0.446	Sericitic alteration	1%
359.20	360.00	0.80	455091	0.724	Sericitic alteration	2%
360.00	361.00	1.00	455092	1.185	Sericitic alteration	2%
361.00	362.00	1.00	455093	0.886	Silicified	2%
362.00	363.00	1.00	455094	1.578	Silicified	2%
363.00	364.00	1.00	455095	0.139	Silicified	1%
364.00	365.00	1.00	455097	2.914	Silicified	1%
365.00	366.00	1.00	455098	0.093	Silicified	1%
366.00	367.00	1.00	455099	0.093	Silicified	1%
367.00	368.00	1.00	455100	0.055	Biotitic alteration	1%
368.00	369.00	1.00	455101	0.297	Silicified	2%
369.00	370.00	1.00	455102	0.278	Silicified	1%
370.00	371.00	1.00	455103	0.122	Silicified	1%
371.00	372.00	1.00	455104	0.322	Silicified	7%
372.00	373.00	1.00	455105	0.090	Biotitic alteration	3%
373.00	374.00	1.00	455106	0.222	Biotitic alteration	3%

ANDREW SHEA  
COMPLETE LOGGING  
FROM HERE

374.00	375.02	1.02	455107	0.069	Silicified	10%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>375.02</b>	<b>377.67</b>		<b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
375.02	376.50	1.48	455108	0.059	Unaltered	5%	
376.50	377.67	1.17	455109	0.038	Unaltered	5%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>377.67</b>	<b>380.02</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
377.67	379.05	1.38	455111	0.055	Chloritic alteration	0%	mnr sheared diorite dike in interval
379.05	380.02	0.97	455113	1.141	Sericitic alteration	10%	1 speck of VG in Q-Chl-Cb-Sulphide Vein
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>380.02</b>	<b>381.20</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
380.02	381.20	1.18	455115	2.923	Chloritic alteration	6%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>381.20</b>	<b>385.13</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
381.20	382.00	0.80	455116	1.243	Sericitic alteration	2%	
382.00	383.00	1.00	455117	0.443	Sericitic alteration	1%	
383.00	384.00	1.00	455118	0.485	Sericitic alteration	2%	
384.00	385.13	1.13	455119	0.310	Sericitic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>385.13</b>	<b>387.20</b>		<b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
385.13	386.00	0.87	455120	0.025	Unaltered	5%	
386.00	387.20	1.20	455121	0.024	Unaltered	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>387.20</b>	<b>405.32</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
387.20	388.00	0.80	455122	0.194	Silicified	1%	
388.00	389.00	1.00	455123	0.206	Silicified	2%	
389.00	390.00	1.00	455125	0.525	Biotitic alteration	2%	
390.00	391.00	1.00	455126	0.290	Biotitic alteration	1%	
391.00	392.00	1.00	455127	3.270	Biotitic alteration	25%	
392.00	392.85	0.85	455128	0.946	Silicified	20%	
392.85	394.00	1.15	455129	0.127	Biotitic alteration	2%	
394.00	395.00	1.00	455131	0.187	Sericitic alteration	2%	
395.00	396.00	1.00	455132	0.153	Sericitic alteration	0%	
396.00	397.00	1.00	455133	0.660	Sericitic alteration	4%	

397.00	398.00	1.00	455134	0.411	Sericitic alteration	2%	
398.00	399.00	1.00	455135	1.002	Sericitic alteration	2%	
399.00	400.00	1.00	455137	0.395	Sericitic alteration	3%	
400.00	401.00	1.00	455138	0.345	Sericitic alteration	3%	
401.00	402.00	1.00	455139	0.195	Sericitic alteration	2%	
402.00	403.00	1.00	455140	0.235	Chloritic alteration	2%	
403.00	404.00	1.00	455141	0.248	Chloritic alteration	1%	
404.00	405.32	1.32	455142	0.525	Chloritic alteration	15%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>405.32</b>	<b>406.96</b>	<b>Lamprophyre Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
405.32	406.96	1.64	455143	0.027	Unaltered	25%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>406.96</b>	<b>418.87</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
406.96	408.00	1.04	455144	0.158	Chloritic alteration	0%	
408.00	409.00	1.00	455145	0.116	Sericitic alteration	2%	
409.00	410.00	1.00	455146	3.340	Chloritic alteration	1%	
410.00	411.00	1.00	455147	2.665	Chloritic alteration	1%	
411.00	412.00	1.00	455149	0.442	Chloritic alteration	3%	
412.00	413.00	1.00	455151	0.150	Chloritic alteration	0%	
413.00	414.00	1.00	455152	0.269	Chloritic alteration	1%	
414.00	415.00	1.00	455153	0.220	Chloritic alteration	0%	
415.00	416.00	1.00	455154	0.902	Sericitic alteration	2%	
416.00	417.00	1.00	455155	0.113	Sericitic alteration	1%	
417.00	418.00	1.00	455156	0.170	Sericitic alteration	2%	
418.00	418.87	0.87	455157	0.674	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>418.87</b>	<b>420.70</b>	<b>Lamprophyre Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
418.87	420.00	1.13	455158	0.016	Unaltered	5%	
420.00	420.70	0.70	455159	0.005	Unaltered	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>420.70</b>	<b>426.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
420.70	422.00	1.30	455161	0.534	Sericitic alteration	2%	
422.00	423.00	1.00	455162	2.185	Sericitic alteration	4%	
423.00	424.00	1.00	455163	1.152	Sericitic alteration	1%	
424.00	425.00	1.00	455164	2.916	Sericitic alteration	1%	
425.00	426.00	1.00	455165	1.785	Sericitic alteration	1%	

# DRILL HOLE REPORT

Drill Hole	<b>GOS20-35</b>	Project	<b>Gosselin</b>	Cost Code	<b>234</b>
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Drilling Details:

Azimuth	328.0	Company	
Dip	-58.0	Contractor	NPLH Drilling
Length	426.0 m	Position	
Started	31-Jan-20	Bore Size	NQ
Completed	06-Feb-20	Sample Storage	Cote Cote Shack
Logged	18-Feb-20	Casing	STEEL
Logged by	Laura Katz	Condition	Capped

Survey Details:

Claim Number	PAT-11121
Property	Chester
Township	Chester
Spotted by	
Surveyed by	
Collar Orientation	Reflex Single-shot Survey
Coord Survey Tool	SURV

Target  
Comments

Coordinates:

Easting	430844.93
UTM Datum	NAD83
Northing	5267359.63
UTM Zone	17
Elevation	390.22

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
3.0	329.20	-56.20	56602			36.0	328.20	-58.00	55413		
6.0	328.50	-57.00	56218			39.0	328.70	-57.70	55417		
12.0	328.90	-57.30	55820			42.0	328.10	-57.90	55502		
15.0	328.20	-57.90	55694			45.0	327.90	-57.90	55420		
18.0	327.90	-58.00	55597			48.0	328.00	-58.00	55354		
21.0	328.30	-57.90	55525			51.0	328.10	-58.00	55395		
24.0	328.20	-57.90	55501			54.0	327.90	-57.90	55393		
27.0	328.30	-57.90	55464			57.0	328.10	-57.90	55392		
30.0	328.70	-57.60	55436			60.0	328.10	-57.90	55410		
33.0	328.20	-57.90	55445			63.0	328.20	-57.90	55391		

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
66.0	328.20	-57.90	55385		
69.0	328.20	-57.90	55388		
72.0	328.30	-57.80	55350		
75.0	328.20	-57.80	55353		
78.0	328.30	-57.80	55273		
81.0	328.20	-57.70	55368		
84.0	327.40	-58.30	55356		
87.0	328.20	-57.70	55356		
90.0	328.20	-57.70	55347		
93.0	328.20	-57.70	55346		
96.0	328.40	-57.60	55350		
99.0	328.30	-57.60	55337		
102.0	328.30	-57.70	55333		
105.0	328.30	-57.60	55360		
108.0	328.40	-57.60	55358		
111.0	328.50	-57.60	55346		
114.0	328.40	-57.60	55365		
117.0	328.30	-57.60	55377		
120.0	328.30	-57.70	55390		
123.0	328.30	-57.60	55405		
126.0	328.30	-57.60	55419		
129.0	328.40	-57.50	55454		
132.0	328.40	-57.50	55456		
135.0	328.40	-57.50	55495		
138.0	328.20	-57.50	55522		
141.0	328.10	-57.50	55558		
144.0	328.00	-57.40	55633		
147.0	327.60	-57.50	55763		
150.0	327.00	-57.40	55988		
159.0	327.60	-57.10	54298		
162.0	328.60	-57.50	54637		

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
165.0	329.20	-57.50	54891		
168.0	329.20	-57.50	55150		
171.0	329.20	-57.50	55156		
174.0	329.40	-57.50	55148		
177.0	329.30	-57.50	55135		
180.0	329.20	-57.40	55151		
183.0	329.20	-57.50	55177		
186.0	328.90	-57.40	55161		
189.0	328.40	-57.40	55262		
192.0	328.90	-57.40	55341		
195.0	329.20	-57.40	55307		
198.0	329.40	-57.40	55280		
201.0	329.40	-57.40	55294		
204.0	329.40	-57.40	55308		
207.0	329.50	-57.40	55317		
210.0	329.50	-57.40	55331		
213.0	329.50	-57.30	55328		
216.0	329.40	-57.30	55345		
219.0	329.40	-57.40	55347		
222.0	329.50	-57.30	55323		
225.0	329.50	-57.30	55335		
228.0	329.50	-57.30	55363		
231.0	329.50	-57.30	55393		
234.0	329.60	-57.30	55267		
237.0	329.30	-57.30	55309		
240.0	329.10	-57.40	55348		
243.0	329.30	-57.20	55467		
246.0	329.40	-57.20	55469		
249.0	328.60	-57.20	55290		
252.0	329.60	-57.20	55367		
255.0	328.10	-57.20	55038		

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
258.0	328.80	-57.20	55261		
261.0	329.20	-57.10	55364		
264.0	329.10	-57.10	55338		
267.0	329.10	-57.10	55346		
270.0	329.20	-57.10	55336		
273.0	329.10	-57.00	55342		
276.0	329.10	-57.00	55336		
279.0	329.10	-57.00	55348		
282.0	329.00	-57.00	55348		
285.0	329.20	-57.00	55367		
288.0	329.10	-57.00	55397		
291.0	329.10	-57.10	55402		
294.0	329.10	-57.10	55407		
297.0	328.90	-57.10	55418		
300.0	329.00	-57.10	55420		
303.0	328.90	-57.10	55430		
306.0	328.90	-57.10	55454		
309.0	329.00	-57.10	55433		
312.0	328.90	-57.10	55453		
315.0	328.80	-57.00	55401		
318.0	329.00	-57.00	55468		
321.0	328.80	-57.00	55390		
324.0	328.90	-57.00	55471		
327.0	328.80	-57.00	55492		
330.0	328.80	-56.90	55495		
333.0	328.80	-56.90	55511		
336.0	328.50	-57.00	55493		
339.0	328.90	-56.90	55520		
342.0	328.90	-56.90	55525		
345.0	329.00	-56.90	55546		
348.0	329.00	-56.90	55522		

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
351.0	328.90	-56.90	55536		
354.0	328.90	-56.90	55538		
357.0	328.80	-57.00	55546		
360.0	328.80	-57.00	55544		
363.0	328.70	-57.00	55561		
366.0	328.80	-57.00	55552		
369.0	328.40	-57.00	55492		
372.0	328.60	-57.00	55512		
375.0	328.30	-57.10	55500		
378.0	328.50	-57.20	55508		
381.0	328.40	-57.20	55519		
384.0	328.10	-57.10	55694		
387.0	328.20	-57.10	55351		
390.0	329.70	-57.10	55707		
393.0	328.60	-57.10	55529		
396.0	328.40	-57.20	55489		
399.0	327.80	-57.10	55418		
402.0	326.80	-57.00	55898		
405.0	328.10	-57.00	55438		
408.0	328.00	-57.10	55534		
411.0	328.90	-57.00	55602		
414.0	328.60	-57.00	55581		
417.0	328.80	-57.00	55463		

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>0.00</b>	<b>6.30</b>	<b>Overburden</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	6.30	6.30			Unaltered		

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>6.30</b>	<b>45.30</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
6.30	7.00	0.70	1075001	0.043	Sericitic alteration	0%	
7.00	8.00	1.00	1075002	0.023	Sericitic alteration	5%	
8.00	9.00	1.00	1075003	0.045	Sericitic alteration	1%	
9.00	10.05	1.05	1075004	0.041	Sericitic alteration	2%	
10.05	11.00	0.95	1075005	0.043	Sericitic alteration	1%	
11.00	12.00	1.00	1075006	0.019	Sericitic alteration	2%	
12.00	13.00	1.00	1075007	0.011	Sericitic alteration	4%	
13.00	13.95	0.95	1075008	0.070	Sericitic alteration	2%	
13.95	15.00	1.05	1075009	0.055	Sericitic alteration	3%	
15.00	16.05	1.05	1075011	0.036	Sericitic alteration	1%	
16.05	17.20	1.15	1075013	0.047	Sericitic alteration	5%	
17.20	18.00	0.80	1075014	0.012	Sericitic alteration	0%	
18.00	19.00	1.00	1075015	0.030	Sericitic alteration	3%	
19.00	20.00	1.00	1075016	7.290	Sericitic alteration	6%	
20.00	21.00	1.00	1075018	0.080	Sericitic alteration	1%	
21.00	22.00	1.00	1075019	0.185	Sericitic alteration	1%	
22.00	23.00	1.00	1075020	0.066	Sericitic alteration	1%	
23.00	24.00	1.00	1075021	0.034	Sericitic alteration	1%	
24.00	25.48	1.48	1075022	0.147	Sericitic alteration	2%	
25.48	27.00	1.52	1075023	0.095	Sericitic alteration	1%	
27.00	27.90	0.90	1075025	0.090	Sericitic alteration	2%	
27.90	29.00	1.10	1075026	0.074	Sericitic alteration	0%	
29.00	30.00	1.00	1075027	0.223	Sericitic alteration	1%	
30.00	31.00	1.00	1075028	0.053	Sericitic alteration	1%	
31.00	32.00	1.00	1075029	0.123	Sericitic alteration	1%	
32.00	33.00	1.00	1075031	0.021	Sericitic alteration	2%	
33.00	34.00	1.00	1075032	0.017	Sericitic alteration	1%	
34.00	34.86	0.86	1075033	0.046	Sericitic alteration	1%	
34.86	36.00	1.14	1075034	0.010	Sericitic alteration	2%	
36.00	37.00	1.00	1075035	0.025	Sericitic alteration	10%	
37.00	38.00	1.00	1075037	0.012	Sericitic alteration	4%	

38.00	39.00	1.00	1075038	0.050	Sericitic alteration	14%	
39.00	40.00	1.00	1075039	0.013	Sericitic alteration	32%	
40.00	41.00	1.00	1075040	0.041	Sericitic alteration	12%	
41.00	42.00	1.00	1075041	0.070	Sericitic alteration	2%	
42.00	43.00	1.00	1075042	0.076	Sericitic alteration	3%	
43.00	44.00	1.00	1075043	0.074	Sericitic alteration	2%	
44.00	45.30	1.30	1075044	0.040	Sericitic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>45.30</b>	<b>52.55</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
45.30	46.00	0.70	1075045	0.026	Chloritic alteration	4%	
46.00	47.37	1.37	1075046	0.005	Chloritic alteration	37%	
47.37	47.93	0.56	1075047	0.008	Chloritic alteration	3%	Both diorite and tonalite in sample 60:40 tonalite:diorite
47.93	49.59	1.66	1075049	0.005	Chloritic alteration	2%	
49.59	51.00	1.41	1075051	0.005	Chloritic alteration	40%	Small 10 cm m patch of tonalite in the sample
51.00	52.55	1.55	1075052	0.005	Chloritic alteration	31%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>52.55</b>	<b>53.66</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
52.55	53.66	1.11	1075053	0.023	Sericitic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>53.66</b>	<b>55.32</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
53.66	55.32	1.66	1075054	0.005	Sericitic alteration	0%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>55.32</b>	<b>60.29</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
55.32	56.00	0.68	1075055	0.005	Sericitic alteration	0%	
56.00	57.00	1.00	1075056	0.005	Sericitic alteration	1%	
57.00	58.00	1.00	1075057	0.008	Sericitic alteration	0%	
58.00	59.00	1.00	1075058	0.005	Sericitic alteration	1%	
59.00	60.29	1.29	1075059	0.005	Chloritic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>60.29</b>	<b>86.67</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
60.29	61.00	0.71	1075061	0.025	Sericitic alteration	1%	
61.00	62.00	1.00	1075062	0.022	Sericitic alteration	1%	
62.00	63.00	1.00	1075063	0.052	Sericitic alteration	1%	
63.00	63.75	0.75	1075064	0.114	Sericitic alteration	1%	
63.75	65.00	1.25	1075065	0.117	Sericitic alteration	2%	



65.00	66.00	1.00	1075066	0.023	Sericitic alteration	1%	
66.00	67.00	1.00	1075067	0.096	Sericitic alteration	4%	
67.00	68.00	1.00	1075068	0.009	Sericitic alteration	8%	
68.00	69.00	1.00	1075069	0.017	Sericitic alteration	1%	
69.00	69.92	0.92	1075071	0.012	Sericitic alteration	5%	
69.92	71.00	1.08	1075073	0.040	Sericitic alteration	2%	
71.00	72.00	1.00	1075074	0.032	Sericitic alteration	2%	2 fgr specks of Mo in 0.4 cm qtz-cb-chl-py-cpy-mo vn
72.00	73.00	1.00	1075075	0.090	Sericitic alteration	1%	
73.00	74.00	1.00	1075076	0.053	Sericitic alteration	1%	
74.00	75.00	1.00	1075077	0.017	Sericitic alteration	1%	
75.00	76.00	1.00	1075078	0.027	Sericitic alteration	1%	
76.00	76.83	0.83	1075079	0.066	Sericitic alteration	2%	Several mgr specks of Mo in a 0.4 cm qtz-cb-py-moly vn; moly also diss marginal to vn
76.83	78.00	1.17	1075080	0.055	Sericitic alteration	2%	
78.00	79.00	1.00	1075081	0.083	Sericitic alteration	1%	
79.00	80.00	1.00	1075082	0.015	Sericitic alteration	5%	
80.00	81.00	1.00	1075083	0.180	Sericitic alteration	6%	several mgr to cgr flecks of Mo in a 2.6 cm qtz-cb-bt-cpy-py- mo vn
81.00	82.16	1.16	1075085	0.085	Sericitic alteration	8%	
82.16	83.00	0.84	1075086	0.034	Sericitic alteration	3%	
83.00	84.00	1.00	1075087	0.170	Sericitic alteration	3%	
84.00	85.00	1.00	1075088	0.052	Sericitic alteration	2%	
85.00	86.00	1.00	1075089	0.010	Sericitic alteration	2%	
86.00	86.67	0.67	1075091	0.010	Sericitic alteration	2%	Diorite unit begins at 86.2 m and has low angle contact with ton; 75 ton: 25 dr

From	To	Lithologic Group					
86.67	89.10	Diorite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
86.67	88.00	1.33	1075092	0.005	Chloritic alteration	3%	Sample is all DR
88.00	89.10	1.10	1075093	0.005	Chloritic alteration	3%	Sample is all DR

From	To	Lithologic Group					
89.10	91.53	Tonalite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
89.10	90.00	0.90	1075094	0.076	Sericitic alteration	7%	
90.00	91.53	1.53	1075095	0.062	Sericitic alteration	26%	

From	To	Lithologic Group					
91.53	92.36	Diorite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
91.53	92.36	0.83	1075097	0.005	Chloritic alteration	22%	Diorite fragment

<b>From</b> <b>92.36</b>	<b>To</b> <b>96.41</b>	<b>Lithologic Group</b>					
							<b>Tonalite</b>
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
92.36	93.00	0.64	1075098	0.013	Sericitic alteration	6%	
93.00	94.00	1.00	1075099	0.166	Sericitic alteration	5%	
94.00	95.00	1.00	1075100	0.481	Sericitic alteration	3%	
95.00	95.87	0.87	1075101	0.108	Sericitic alteration	4%	Mo in two separate veins at 95.1 in a 0.6 cm qtz-cb-chl-cpy-py-mo vn and at 95.25 m in a 2 cm qtz-cb-chl-cpy-mo vein; vns are subparallel
95.87	96.41	0.54	1075102	0.091	Sericitic alteration	4%	
<b>From</b> <b>96.41</b>	<b>To</b> <b>100.25</b>	<b>Lithologic Group</b>					
							<b>Hydrothermal Breccia</b>
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
96.41	97.25	0.84	1075103	0.016	Sericitic alteration	1%	Very in-situ; abundance of fractures
97.25	98.07	0.82	1075104	0.126	Sericitic alteration	1%	Breccia is no longer in-situ with distinct tonalite fragments and even possibly quartz vein fragment
98.07	99.00	0.93	1075105	0.040	Sericitic alteration	1%	Very in-situ breccia in first 20 cm of sample
99.00	100.25	1.25	1075106	0.041	Sericitic alteration	2%	Very in-situ; abundance of fractures
<b>From</b> <b>100.25</b>	<b>To</b> <b>113.16</b>	<b>Lithologic Group</b>					
							<b>Tonalite</b>
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
100.25	101.00	0.75	1075107	0.087	Sericitic alteration	2%	
101.00	102.00	1.00	1075108	0.285	Sericitic alteration	3%	
102.00	103.10	1.10	1075109	0.051	Sericitic alteration	4%	
103.10	104.00	0.90	1075111	0.011	Sericitic alteration	4%	1 speck of VG at 103.47 m in a qtz-cb-chl-py vn, width of vein varies from 0.4-0.8 cm, qtz-cb-chl-py-VG qtz-cb-chl-py and qtz-cb-chl-cpy vns in sample are offset by chl/bt fracture vnlets
104.00	105.00	1.00	1075114	0.029	Sericitic alteration	3%	
105.00	106.00	1.00	1075115	0.388	Sericitic alteration	2%	
106.00	107.00	1.00	1075116	0.120	Sericitic alteration	3%	Mo speck in a silicified area of tonalite surrounded by abundant py-rich fracture vnlets; moly is on bottom half of core and will not be sampled
107.00	108.00	1.00	1075117	0.158	Sericitic alteration	2%	Area of in-situ brecciation from 107.33-107.88
108.00	109.00	1.00	1075118	0.118	Sericitic alteration	3%	

109.00	110.00	1.00	1075119	0.023	Sericitic alteration	3%	
110.00	111.00	1.00	1075120	0.157	Sericitic alteration	2%	
111.00	112.00	1.00	1075121	0.058	Sericitic alteration	4%	
112.00	113.16	1.16	1075122	0.039	Sericitic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>113.16</b>	<b>114.62</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
113.16	114.62	1.46	1075123	0.161	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>114.62</b>	<b>124.25</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
114.62	116.00	1.38	1075125	0.422	Sericitic alteration	4%	
116.00	117.47	1.47	1075126	1.080	Sericitic alteration	4%	
117.47	118.08	0.61	1075127	8.790	Sericitic alteration	1%	silicified area in sample that looks like it could have been diorite or hydrothermal matrix (117.73-118.08 m) material; increase py-cpy disseminated with this area
118.08	119.00	0.92	1075128	0.689	Sericitic alteration	2%	
119.00	120.00	1.00	1075129	0.104	Sericitic alteration	2%	
120.00	121.18	1.18	1075131	0.029	Sericitic alteration	3%	
121.18	122.00	0.82	1075132	0.022	Sericitic alteration	2%	Possible hydrothermal or biotite breccia in this sample but silicified and hard to tell, areas of stronger biotite alteration
122.00	123.00	1.00	1075133	0.138	Sericitic alteration	1%	
123.00	124.25	1.25	1075134	0.097	Sericitic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>124.25</b>	<b>125.05</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
124.25	125.05	0.80	1075135	14.800	Chloritic alteration	4%	Sample is mostly diorite fragment, but contains 10-20% tonalite

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>125.05</b>	<b>131.15</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
125.05	126.00	0.95	1075137	0.113	Sericitic alteration	2%	
126.00	127.00	1.00	1075138	0.095	Sericitic alteration	3%	Black biotite vein material concentrated irregularly in an area or biotite rich matrix area
127.00	128.00	1.00	1075139	0.179	Sericitic alteration	1%	Area of strong ser alteration that is deformed from 127.65-127.95 m
128.00	129.17	1.17	1075140	0.163	Sericitic alteration	2%	Diorite fragment in sample from 128.54-129.17 m

129.17	130.00	0.83	1075141	0.199	Sericitic alteration	1%	
130.00	131.15	1.15	1075142	0.084	Sericitic alteration	2%	
<b>From</b> <b>131.15</b>	<b>To</b> <b>132.00</b>		<b>Lithologic Group</b> <b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
131.15	132.00	0.85	1075143	5.650	Chloritic alteration	3%	
<b>From</b> <b>132.00</b>	<b>To</b> <b>160.98</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
132.00	132.88	0.88	1075144	1.982	Sericitic alteration	2%	
132.88	134.00	1.12	1075145	0.798	Sericitic alteration	1%	
134.00	135.00	1.00	1075146	0.332	Sericitic alteration	1%	Diorite fragment in sample
135.00	136.00	1.00	1075147	0.337	Sericitic alteration	1%	
136.00	137.00	1.00	1075149	0.252	Sericitic alteration	4%	
137.00	138.00	1.00	1075151	0.407	Sericitic alteration	5%	4.5 cm qtz vn w mass py
138.00	139.00	1.00	1075152	2.130	Sericitic alteration	2%	
139.00	140.00	1.00	1075153	0.409	Sericitic alteration	3%	
140.00	141.50	1.50	1075154	0.230	Sericitic alteration	2%	
141.50	142.30	0.80	1075155	0.859	Sericitic alteration	4%	Mo in qtz-cb-chl vein w strong ser halo
142.30	143.00	0.70	1075156	0.154	Sericitic alteration	2%	increased fracturing
143.00	144.00	1.00	1075157	0.266	Sericitic alteration	2%	
144.00	145.00	1.00	1075158	0.550	Sericitic alteration	1%	
145.00	146.00	1.00	1075159	0.623	Sericitic alteration	1%	
146.00	147.00	1.00	1075161	0.467	Sericitic alteration	1%	
147.00	148.00	1.00	1075162	0.441	Sericitic alteration	2%	
148.00	149.05	1.05	1075163	0.213	Sericitic alteration	1%	
149.05	150.00	0.95	1075164	0.083	Sericitic alteration	2%	increased fracturing
150.00	151.00	1.00	1075165	0.419	Sericitic alteration	5%	increased fracturing
151.00	152.00	1.00	1075166	0.534	Sericitic alteration	2%	increased fracturing
152.00	153.15	1.15	1075167	0.075	Sericitic alteration	2%	
153.15	154.00	0.85	1075168	1.797	Sericitic alteration	4%	
154.00	155.00	1.00	1075169	0.896	Sericitic alteration	3%	
155.00	156.00	1.00	1075171	1.407	Sericitic alteration	1%	
156.00	157.00	1.00	1075173	1.421	Sericitic alteration	2%	
157.00	158.00	1.00	1075174	0.548	Silicified	5%	increased fracturing
158.00	159.00	1.00	1075175	0.217	Silicified	5%	increased fracturing
159.00	160.00	1.00	1075176	0.162	Silicified	1%	
160.00	160.98	0.98	1075177	0.285	Silicified	2%	
<b>From</b> <b>160.98</b>	<b>To</b> <b>169.98</b>		<b>Lithologic Group</b> <b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

160.98	162.00	1.02	1075178	0.127	Chloritic alteration	1%	
162.00	163.00	1.00	1075179	0.164	Chloritic alteration	2%	
163.00	164.00	1.00	1075180	0.350	Chloritic alteration	1%	
164.00	165.00	1.00	1075181	0.007	Chloritic alteration	0%	
165.00	166.00	1.00	1075182	0.005	Chloritic alteration	4%	diss lcx
166.00	167.10	1.10	1075183	0.008	Chloritic alteration	5%	sample contains 10% diabase frgs; also disseminated lcx
167.10	168.00	0.90	1075185	0.033	Chloritic alteration	5%	diss lcx
168.00	169.25	1.25	1075186	0.067	Chloritic alteration	2%	sample contains 25% altd (sil) frgs; diss lcx local to dr only
169.25	169.98	0.73	1075187	0.040	Chloritic alteration	3%	weakly sheared local to contact w tnlt; diss lcx

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>169.98</b>	<b>173.78</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
169.98	171.00	1.02	1075188	0.065	Silicified	7%	cpy rimming qtz vning/frgs; sample is slightly brecciated in-situ
171.00	172.00	1.00	1075189	0.018	Silicified	7%	sil/ab altn more ab-rich
172.00	173.23	1.23	1075191	0.124	Silicified	2%	sil/ab altn more ab-rich
173.23	173.78	0.55	1075192	0.006	Silicified	50%	sil/ab altn more ab-rich; contact vein qtz-chl-cb

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>173.78</b>	<b>195.25</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
173.78	175.00	1.22	1075193	0.035	Chloritic alteration	5%	cooked up uphole contact; diss lcx
175.00	176.50	1.50	1075194	0.005	Chloritic alteration	5%	
176.50	178.00	1.50	1075195	0.015	Chloritic alteration	5%	
178.00	179.50	1.50	1075197	0.005	Chloritic alteration	1%	
179.50	181.00	1.50	1075198	0.005	Chloritic alteration	1%	
181.00	182.50	1.50	1075199	0.016	Chloritic alteration	3%	
182.50	184.00	1.50	1075200	0.059	Chloritic alteration	1%	
184.00	185.50	1.50	1075201	0.037	Chloritic alteration	1%	
185.50	187.00	1.50	1075202	0.005	Chloritic alteration	1%	
187.00	188.50	1.50	1075203	0.034	Chloritic alteration	1%	
188.50	190.00	1.50	1075204	0.079	Chloritic alteration	1%	
190.00	191.50	1.50	1075205	1.931	Chloritic alteration	3%	
191.50	193.23	1.73	1075206	0.082	Chloritic alteration	3%	
193.23	194.05	0.82	1075207	1.532	Chloritic alteration	4%	
194.05	195.25	1.20	1075208	0.921	Chloritic alteration	7%	slightly sheared w intense alteration

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>195.25</b>	<b>196.55</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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195.25	196.55	1.30	1075209	0.193	Chloritic alteration	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>196.55</b>	<b>201.62</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
196.55	198.00	1.45	1075211	0.032	Chloritic alteration	2%	
198.00	199.30	1.30	1075213	0.018	Chloritic alteration	1%	
199.30	200.30	1.00	1075214	0.093	Chloritic alteration	1%	
200.30	201.10	0.80	1075215	0.118	Chloritic alteration	1%	
201.10	201.62	0.52	1075216	0.041	Chloritic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>201.62</b>	<b>202.23</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
201.62	202.23	0.61	1075217	0.037	Silicified	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>202.23</b>	<b>204.17</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
202.23	203.00	0.77	1075218	0.314	Chloritic alteration	1%	
203.00	204.17	1.17	1075219	0.461	Chloritic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>204.17</b>	<b>210.33</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
204.17	205.50	1.33	1075220	0.101	Chloritic alteration	1%	blue qtz >5%
205.50	207.00	1.50	1075221	0.042	Chloritic alteration	3%	
207.00	208.36	1.36	1075222	0.106	Chloritic alteration	1%	
208.36	209.30	0.94	1075223	0.019	Chloritic alteration	4%	
209.30	210.33	1.03	1075225	0.042	Chloritic alteration	0%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>210.33</b>	<b>211.27</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
210.33	211.27	0.94	1075226	0.214	Chloritic alteration	5%	not typical tonalite; high density fracture network
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>211.27</b>	<b>231.00</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
211.27	212.25	0.98	1075227	0.040	Chloritic alteration	3%	
212.25	213.75	1.50	1075228	0.030	Chloritic alteration	1%	
213.75	215.25	1.50	1075229	0.005	Chloritic alteration	1%	
215.25	216.75	1.50	1075231	0.007	Chloritic alteration	1%	
216.75	218.25	1.50	1075232	0.011	Chloritic alteration	1%	
218.25	219.30	1.05	1075233	0.322	Chloritic alteration	1%	
219.30	220.25	0.95	1075234	0.463	Chloritic alteration	15%	
220.25	221.50	1.25	1075235	0.043	Chloritic alteration	1%	diss lcx

221.50	223.00	1.50	1075237	0.007	Chloritic alteration	1%	
223.00	224.50	1.50	1075238	0.005	Chloritic alteration	1%	
224.50	226.00	1.50	1075239	0.017	Chloritic alteration	0%	
226.00	227.50	1.50	1075240	0.160	Chloritic alteration	3%	
227.50	229.00	1.50	1075241	0.079	Chloritic alteration	1%	
229.00	230.00	1.00	1075242	0.058	Chloritic alteration	1%	
230.00	231.00	1.00	1075243	0.018	Chloritic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>231.00</b>	<b>234.00</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
231.00	232.00	1.00	1075244	0.007	Chloritic alteration	2%	
232.00	232.70	0.70	1075245	0.007	Chloritic alteration	0%	
232.70	234.00	1.30	1075246	0.653	Chloritic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>234.00</b>	<b>235.58</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
234.00	235.58	1.58	1075247	0.190	Silicified	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>235.58</b>	<b>237.02</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
235.58	237.02	1.44	1075249	0.005	Carbonate Altered	4%	carb altered

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>237.02</b>	<b>238.75</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
237.02	237.80	0.78	1075251	0.217	Silicified	3%	
237.80	238.75	0.95	1075252	1.340	Hematitic alteration	4%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>238.75</b>	<b>242.00</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
238.75	239.60	0.85	1075253	0.032	Chloritic alteration	1%	
239.60	241.00	1.40	1075254	0.098	Chloritic alteration	3%	7% altd ton frgs in sample
241.00	242.00	1.00	1075255	0.023	Chloritic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>242.00</b>	<b>246.62</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
242.00	243.50	1.50	1075256	0.085	Chloritic alteration	1%	
243.50	244.50	1.00	1075257	0.021	Chloritic alteration	0%	
244.50	246.62	2.12	1075258	0.183	Chloritic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>246.62</b>	<b>249.44</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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246.62	248.00	1.38	1075259	0.007	Carbonate Altered	2%	20cm section of dr with in the sample
248.00	249.44	1.44	1075261	0.005	Carbonate Altered	3%	
<b>From</b> 249.44	<b>To</b> 251.50	<b>Lithologic Group</b> Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
249.44	250.50	1.06	1075262	0.829	Sericitic alteration	1%	
250.50	251.50	1.00	1075263	0.872	Sericitic alteration	1%	
<b>From</b> 251.50	<b>To</b> 255.25	<b>Lithologic Group</b> Tonalite Breccia					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
251.50	252.50	1.00	1075264	0.073	Sericitic alteration	0%	7% chl altd frgs
252.50	253.50	1.00	1075265	0.057	Sericitic alteration	2%	5% chl altd frgs
253.50	254.50	1.00	1075266	0.051	Sericitic alteration	1%	5% chl altd frgs
254.50	255.25	0.75	1075267	0.030	Sericitic alteration	1%	7% chl altd frgs
<b>From</b> 255.25	<b>To</b> 257.40	<b>Lithologic Group</b> Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
255.25	256.25	1.00	1075268	0.105	Sericitic alteration	2%	
256.25	257.40	1.15	1075269	0.053	Sericitic alteration	4%	
<b>From</b> 257.40	<b>To</b> 260.15	<b>Lithologic Group</b> Lamprophyre Dyke					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
257.40	259.00	1.60	1075271	0.005	Chloritic alteration	3%	
259.00	260.15	1.15	1075273	0.015	Chloritic alteration	3%	
<b>From</b> 260.15	<b>To</b> 306.00	<b>Lithologic Group</b> Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
260.15	261.00	0.85	1075274	0.011	Sericitic alteration	4%	
261.00	262.00	1.00	1075275	0.040	Sericitic alteration	2%	
262.00	263.00	1.00	1075276	0.065	Sericitic alteration	3%	
263.00	264.00	1.00	1075277	0.430	Sericitic alteration	1%	
264.00	265.00	1.00	1075278	0.097	Sericitic alteration	1%	
265.00	266.00	1.00	1075279	0.044	Sericitic alteration	2%	
266.00	267.00	1.00	1075280	0.113	Silicified	3%	
267.00	268.00	1.00	1075281	0.872	Sericitic alteration	2%	
268.00	269.00	1.00	1075282	0.235	Sericitic alteration	2%	
269.00	270.00	1.00	1075283	0.159	Sericitic alteration	1%	
270.00	271.55	1.55	1075285	0.322	Silicified	2%	
271.55	272.50	0.95	1075286	0.252	Sericitic alteration	2%	
272.50	273.50	1.00	1075287	0.424	Sericitic alteration	2%	
273.50	274.50	1.00	1075288	0.608	Sericitic alteration	3%	



274.50	275.50	1.00	1075289	0.864	Sericitic alteration	2%	several specks of Mo in 1cm qtz-cb-chl-mo at 274.99m
275.50	276.50	1.00	1075291	0.414	Sericitic alteration	3%	
276.50	277.50	1.00	1075292	0.420	Sericitic alteration	1%	
277.50	278.50	1.00	1075293	0.640	Sericitic alteration	2%	
278.50	279.50	1.00	1075294	1.276	Silicified	1%	
279.50	280.50	1.00	1075295	1.263	Sericitic alteration	2%	
280.50	281.50	1.00	1075297	0.255	Sericitic alteration	5%	
281.50	282.25	0.75	1075298	0.164	Sericitic alteration	0%	
282.25	282.98	0.73	1075299	0.259	Sericitic alteration	1%	
282.98	284.00	1.02	1075300	0.708	Sericitic alteration	20%	
284.00	285.00	1.00	1075301	2.940	Sericitic alteration	0%	
285.00	286.00	1.00	1075302	0.199	Sericitic alteration	1%	
286.00	287.00	1.00	1075303	0.241	Sericitic alteration	4%	
287.00	288.00	1.00	1075304	0.150	Sericitic alteration	1%	
288.00	289.00	1.00	1075305	0.325	Sericitic alteration	3%	
289.00	290.00	1.00	1075306	0.168	Sericitic alteration	5%	
290.00	291.00	1.00	1075307	0.152	Sericitic alteration	1%	
291.00	292.00	1.00	1075308	0.628	Sericitic alteration	3%	
292.00	293.00	1.00	1075309	0.473	Sericitic alteration	6%	see structure tab for vein desc
293.00	294.00	1.00	1075311	0.218	Sericitic alteration	1%	
294.00	295.00	1.00	1075313	0.224	Sericitic alteration	2%	
295.00	296.00	1.00	1075314	0.176	Sericitic alteration	1%	
296.00	297.00	1.00	1075315	0.243	Sericitic alteration	3%	
297.00	298.00	1.00	1075316	0.330	Sericitic alteration	3%	
298.00	299.00	1.00	1075317	0.200	Sericitic alteration	1%	
299.00	300.00	1.00	1075318	0.193	Sericitic alteration	1%	
300.00	301.00	1.00	1075319	1.138	Sericitic alteration	10%	see structure tab for vein desc
301.00	302.00	1.00	1075320	0.216	Sericitic alteration	1%	
302.00	303.00	1.00	1075321	0.430	Sericitic alteration	1%	
303.00	304.00	1.00	1075322	0.157	Sericitic alteration	1%	
304.00	305.00	1.00	1075323	0.176	Sericitic alteration	1%	
305.00	305.50	0.50	1075325	2.795	Sericitic alteration	20%	see structure tab for vein desc
305.50	306.00	0.50	1075326	0.164	Silicified	1%	

From	To	Lithologic Group	
306.00	309.06	Mafic Dyke	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
306.00	307.50	1.50	1075327	2.114	Carbonate Altered	4%	
307.50	309.06	1.56	1075328	1.438	Carbonate Altered	10%	

From	To	Lithologic Group	
309.06	373.73	Tonalite	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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309.06	310.00	0.94	1075329	0.205	Sericitic alteration	1%
310.00	311.00	1.00	1075331	0.448	Sericitic alteration	1%
311.00	312.00	1.00	1075332	0.166	Sericitic alteration	1%
312.00	313.00	1.00	1075333	0.366	Sericitic alteration	1%
313.00	314.00	1.00	1075334	0.090	Sericitic alteration	2%
314.00	315.00	1.00	1075335	0.144	Sericitic alteration	2%
315.00	316.00	1.00	1075337	0.056	Sericitic alteration	4%
316.00	317.05	1.05	1075338	0.073	Sericitic alteration	4%
317.05	318.10	1.05	1075339	1.195	Sericitic alteration	5%
318.10	319.00	0.90	1075340	0.537	Sericitic alteration	1%
319.00	320.00	1.00	1075341	0.785	Sericitic alteration	1%
320.00	321.00	1.00	1075342	0.203	Sericitic alteration	1%
321.00	322.00	1.00	1075343	0.226	Sericitic alteration	1%
322.00	323.00	1.00	1075344	0.719	Sericitic alteration	2%
323.00	324.00	1.00	1075345	0.887	Sericitic alteration	1%
324.00	325.00	1.00	1075346	0.083	Silicified	1%
325.00	326.00	1.00	1075347	0.448	Silicified	1%
326.00	327.00	1.00	1075349	0.282	Silicified	2%
327.00	328.00	1.00	1075351	0.350	Silicified	1%
328.00	329.00	1.00	1075352	0.101	Biotitic alteration	0%
329.00	330.00	1.00	1075353	0.113	Silicified	1%
330.00	331.00	1.00	1075354	0.219	Silicified	1%
331.00	332.00	1.00	1075355	1.111	Silicified	1%
332.00	333.00	1.00	1075356	0.120	Silicified	1%
333.00	334.00	1.00	1075357	0.206	Silicified	1%
334.00	335.00	1.00	1075358	0.060	Silicified	1%
335.00	336.00	1.00	1075359	0.103	Silicified	5%
336.00	337.00	1.00	1075361	0.279	Sericitic alteration	1%
337.00	338.00	1.00	1075362	0.184	Sericitic alteration	1%
338.00	339.00	1.00	1075363	6.960	Sericitic alteration	2%
339.00	340.00	1.00	1075364	1.011	Silicified	3%
340.00	341.00	1.00	1075365	2.080	Sericitic alteration	3%
341.00	342.00	1.00	1075366	1.423	Sericitic alteration	1%
342.00	343.00	1.00	1075367	2.154	Sericitic alteration	1%
343.00	344.00	1.00	1075368	0.465	Sericitic alteration	1%
344.00	345.00	1.00	1075369	0.135	Sericitic alteration	1%
345.00	346.00	1.00	1075371	0.308	Sericitic alteration	1%
346.00	347.00	1.00	1075373	0.513	Sericitic alteration	0%
347.00	348.00	1.00	1075374	0.623	Sericitic alteration	0%
348.00	349.00	1.00	1075375	0.471	Sericitic alteration	1%
349.00	350.00	1.00	1075376	0.637	Sericitic alteration	1%
350.00	351.00	1.00	1075377	0.654	Sericitic alteration	1%

351.00	352.00	1.00	1075378	0.472	Sericitic alteration	1%	
352.00	352.88	0.88	1075379	0.322	Sericitic alteration	1%	
352.88	354.00	1.12	1075380	0.787	Sericitic alteration	3%	
354.00	355.00	1.00	1075381	0.085	Sericitic alteration	2%	
355.00	356.23	1.23	1075382	0.417	Sericitic alteration	2%	
356.23	357.00	0.77	1075383	0.817	Sericitic alteration	6%	
357.00	357.83	0.83	1075385	0.652	Sericitic alteration	1%	
357.83	359.00	1.17	1075386	0.278	Sericitic alteration	2%	
359.00	360.00	1.00	1075387	0.156	Sericitic alteration	1%	
360.00	361.00	1.00	1075388	0.162	Sericitic alteration	1%	
361.00	362.00	1.00	1075389	0.289	Sericitic alteration	1%	
362.00	363.00	1.00	1075391	0.733	Sericitic alteration	1%	
363.00	364.00	1.00	1075392	1.221	Sericitic alteration	2%	
364.00	365.00	1.00	1075393	0.677	Sericitic alteration	2%	
365.00	366.00	1.00	1075394	0.289	Sericitic alteration	1%	
366.00	367.00	1.00	1075395	0.146	Sericitic alteration	1%	
367.00	367.91	0.91	1075397	0.139	Sericitic alteration	1%	
367.91	369.00	1.09	1075398	8.650	Silicified	3%	includes narrow chl-bi-cb-py dyke
369.00	370.00	1.00	1075399	0.599	Sericitic alteration	1%	
370.00	370.93	0.93	1075400	0.541	Sericitic alteration	2%	
370.93	371.95	1.02	1075401	1.335	Sericitic alteration	6%	2x nice veins - see structure tab for desc
371.95	372.80	0.85	1075402	1.440	Sericitic alteration	5%	
372.80	373.73	0.93	1075403	1.393	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>373.73</b>	<b>374.18</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
373.73	374.18	0.45	1075404	0.005	Chloritic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>374.18</b>	<b>384.52</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
374.18	375.00	0.82	1075405	0.201	Sericitic alteration	1%	
375.00	376.00	1.00	1075406	0.278	Sericitic alteration	1%	
376.00	377.00	1.00	1075407	0.287	Sericitic alteration	1%	
377.00	378.00	1.00	1075408	2.830	Sericitic alteration	3%	
378.00	379.00	1.00	1075409	8.710	Sericitic alteration	1%	
379.00	380.00	1.00	1075411	0.331	Sericitic alteration	1%	
380.00	381.00	1.00	1075413	0.539	Sericitic alteration	1%	
381.00	382.00	1.00	1075414	0.895	Sericitic alteration	5%	
382.00	383.00	1.00	1075415	0.493	Sericitic alteration	5%	
383.00	384.52	1.52	1075416	0.023	Sericitic alteration	3%	narrow chl dyke within sample

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>384.52</b>	<b>385.18</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
384.52	385.18	0.66	1075417	0.643	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>385.18</b>	<b>396.05</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
385.18	386.68	1.50	1075418	0.211	Sericitic alteration	5%	50% chl-bi-cb dyke
386.68	388.00	1.32	1075419	1.688	Sericitic alteration	1%	
388.00	389.00	1.00	1075420	1.074	Sericitic alteration	1%	
389.00	390.00	1.00	1075421	0.319	Sericitic alteration	1%	
390.00	391.00	1.00	1075422	0.310	Sericitic alteration	4%	
391.00	392.00	1.00	1075423	0.329	Sericitic alteration	1%	
392.00	393.00	1.00	1075425	0.352	Sericitic alteration	2%	
393.00	394.00	1.00	1075426	0.145	Sericitic alteration	1%	
394.00	395.00	1.00	1075427	0.097	Sericitic alteration	1%	
395.00	396.05	1.05	1075428	0.241	Sericitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>396.05</b>	<b>396.83</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
396.05	396.83	0.78	1075429	0.039	Biotitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>396.83</b>	<b>398.43</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
396.83	398.43	1.60	1075431	0.875	Sericitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>398.43</b>	<b>403.37</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
398.43	400.00	1.57	1075432	0.114	Biotitic alteration	1%	poss mfc dyke
400.00	401.50	1.50	1075433	0.016	Biotitic alteration	1%	poss mfc dyke
401.50	402.45	0.95	1075434	0.025	Biotitic alteration	3%	poss mfc dyke
402.45	403.37	0.92	1075435	0.008	Biotitic alteration	1%	poss mfc dyke
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>403.37</b>	<b>413.38</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
403.37	404.50	1.13	1075437	0.918	Sericitic alteration	1%	
404.50	405.50	1.00	1075438	0.228	Sericitic alteration	1%	
405.50	406.50	1.00	1075439	0.211	Sericitic alteration	0%	
406.50	407.50	1.00	1075440	0.073	Sericitic alteration	6%	
407.50	408.50	1.00	1075441	0.207	Sericitic alteration	0%	
408.50	409.50	1.00	1075442	0.587	Sericitic alteration	1%	

409.50	410.50	1.00	1075443	0.480	Sericitic alteration	1%	
410.50	411.50	1.00	1075444	0.591	Sericitic alteration	0%	
411.50	412.50	1.00	1075445	0.106	Sericitic alteration	1%	
412.50	413.38	0.88	1075446	0.388	Sericitic alteration	0%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>413.38</b>	<b>414.00</b>		<b>Mafic Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
413.38	414.00	0.62	1075447	0.273	Chloritic alteration	10%	25cm of ton within sample
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>414.00</b>	<b>419.00</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
414.00	415.00	1.00	1075449	0.071	Sericitic alteration	0%	
415.00	416.00	1.00	1075451	0.228	Sericitic alteration	1%	
416.00	417.00	1.00	1075452	1.446	Sericitic alteration	1%	
417.00	418.00	1.00	1075453	0.241	Sericitic alteration	0%	2 narrow patches of lamp dike
418.00	419.00	1.00	1075454	0.301	Sericitic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>419.00</b>	<b>421.60</b>		<b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
419.00	420.30	1.30	1075455	0.014	Biotitic alteration	1%	
420.30	421.60	1.30	1075456	0.018	Biotitic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>421.60</b>	<b>426.00</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
421.60	422.50	0.90	1075457	0.595	Hematitic alteration	3%	
422.50	423.50	1.00	1075458	1.959	Hematitic alteration	5%	narrow chl-bi-cb dyke
423.50	424.50	1.00	1075459	0.443	Hematitic alteration	0%	
424.50	426.00	1.50	1075461	0.192	Hematitic alteration	3%	very rubbly and fractured

# DRILL HOLE REPORT

Drill Hole **GOS20-36** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 330.0  
 Dip -60.0  
 Length 450.0 m  
 Started 07-Feb-20  
 Completed 11-Feb-20  
 Logged 09-Mar-20  
 Logged by Laurent Gauchat

Company  
 Contractor NPLH  
 Position  
 Bore Size NQ  
 Sample Storage Marathon  
 Casing STEEL  
 Condition Capped

Survey Details:

Claim Number PAT-11121  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Multi-shot Survey (unspecific)  
 Coord Survey Tool SURV

Target

Coordinates: Easting 430871.76

Comments

UTM Datum NAD83 Northing 5267440.75

UTM Zone 17 Elevation 382.64

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
0.0	334.50	-59.70	54667	RM	Good	30.0	335.20	-59.20	55660	RM	Good
3.0	334.60	-59.50	54702	RM	Good	33.0	335.60	-59.40	55659	RM	Good
6.0	332.00	-59.60	55453	RM	Good	36.0	334.80	-59.50	55668	RM	Good
9.0	332.70	-59.70	55888	RM	Good	39.0	335.20	-59.50	55702	RM	Good
12.0	334.50	-59.40	55901	RM	Good	42.0	334.60	-59.50	55711	RM	Good
15.0	333.80	-59.30	55838	RM	Good	45.0	334.50	-59.50	55761	RM	Good
18.0	334.40	-59.30	55771	RM	Good	48.0	334.90	-59.40	55795	RM	Good
21.0	333.90	-59.50	55726	RM	Good	51.0	336.10	-59.30	55822	RM	Good
24.0	334.00	-59.50	55695	RM	Good	54.0	334.90	-59.40	55870	RM	Good
27.0	334.60	-59.50	55658	RM	Good	57.0	335.50	-59.50	55882	RM	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
60.0	336.40	-59.30	55935	RM	Good
72.0	334.60	-59.30	54977	RM	Good
75.0	334.90	-59.30	55106	RM	Good
78.0	335.20	-59.30	55158	RM	Good
81.0	335.20	-59.30	55219	RM	Good
84.0	335.50	-59.30	55250	RM	Good
87.0	334.80	-59.50	55291	RM	Good
90.0	335.30	-59.30	55299	RM	Good
93.0	335.20	-59.30	55313	RM	Good
96.0	334.30	-59.40	55325	RM	Good
99.0	335.50	-59.20	55317	RM	Good
102.0	334.50	-59.30	55344	RM	Good
105.0	334.60	-59.40	55333	RM	Good
108.0	335.60	-59.20	55301	RM	Good
111.0	335.60	-59.20	55350	RM	Good
114.0	334.90	-59.30	55312	RM	Good
117.0	334.40	-59.40	55331	RM	Good
120.0	335.40	-59.30	55333	RM	Good
123.0	335.60	-59.10	55339	RM	Good
126.0	334.60	-59.40	55323	RM	Good
129.0	334.40	-59.30	55318	RM	Good
132.0	334.50	-59.30	55308	RM	Good
135.0	335.30	-59.30	55296	RM	Good
138.0	335.40	-59.20	55282	RM	Good
141.0	334.60	-59.30	55307	RM	Good
144.0	334.60	-59.30	55299	RM	Good
147.0	334.40	-59.30	55294	RM	Good
150.0	334.80	-59.20	55276	RM	Good
153.0	334.40	-59.20	55256	RM	Good
156.0	334.50	-59.30	55269	RM	Good
159.0	334.50	-59.20	55294	RM	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
162.0	335.70	-59.00	55264	RM	Good
165.0	334.50	-59.10	55288	RM	Good
168.0	335.80	-58.90	55309	RM	Good
171.0	334.90	-59.00	55297	RM	Good
174.0	334.70	-59.10	55285	RM	Good
177.0	334.90	-59.10	55296	RM	Good
180.0	336.10	-58.90	55293	RM	Good
183.0	336.10	-58.90	55296	RM	Good
186.0	335.90	-58.90	55309	RM	Good
189.0	335.00	-59.00	55289	RM	Good
192.0	335.00	-59.00	55299	RM	Good
195.0	335.30	-59.00	55288	RM	Good
198.0	335.80	-58.90	55307	RM	Good
201.0	335.00	-59.00	55323	RM	Good
204.0	335.00	-59.00	55322	RM	Good
207.0	335.60	-58.90	55322	RM	Good
210.0	335.10	-59.00	55331	RM	Good
213.0	336.50	-58.80	55327	RM	Good
216.0	335.20	-58.90	55325	RM	Good
225.0	335.10	-59.00	55343	RM	Good
228.0	335.20	-59.20	55351	RM	Good
231.0	335.30	-59.30	55343	RM	Good
234.0	335.00	-59.20	55334	RM	Good
237.0	336.10	-59.00	55329	RM	Good
240.0	336.40	-58.90	55360	RM	Good
243.0	335.40	-58.90	55331	RM	Good
246.0	335.40	-58.90	55338	RM	Good
249.0	335.60	-58.90	55346	RM	Good
252.0	336.10	-58.90	55347	RM	Good
255.0	335.90	-58.80	55344	RM	Good
258.0	335.30	-58.80	55344	RM	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
261.0	336.20	-58.80	55351	RM	Good
264.0	335.40	-58.70	55354	RM	Good
267.0	336.70	-58.50	55351	RM	Good
270.0	336.80	-58.50	55365	RM	Good
273.0	335.80	-58.70	55367	RM	Good
276.0	335.50	-58.70	55379	RM	Good
279.0	335.70	-58.70	55370	RM	Good
282.0	336.70	-58.50	55360	RM	Good
285.0	335.80	-58.70	55360	RM	Good
288.0	336.20	-58.60	55362	RM	Good
291.0	335.90	-58.50	55284	RM	Good
294.0	336.20	-58.50	55433	RM	Good
297.0	336.40	-58.40	55334	RM	Good
300.0	335.80	-58.50	55355	RM	Good
303.0	335.50	-58.60	55329	RM	Good
306.0	336.40	-58.40	55333	RM	Good
309.0	336.00	-58.40	55437	RM	Good
312.0	336.40	-58.50	55411	RM	Good
315.0	336.70	-58.40	55411	RM	Good
318.0	336.90	-58.30	55419	RM	Good
321.0	336.90	-58.30	55384	RM	Good
324.0	336.60	-58.30	55377	RM	Good
327.0	335.90	-58.30	55385	RM	Good
330.0	335.60	-58.40	55387	RM	Good
333.0	336.40	-58.40	55420	RM	Good
336.0	336.60	-58.20	55395	RM	Good
339.0	335.50	-58.40	55410	RM	Good
342.0	335.90	-58.40	55410	RM	Good
345.0	336.70	-58.20	55388	RM	Good
348.0	335.50	-58.30	55386	RM	Good
351.0	335.80	-58.40	55387	RM	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
354.0	336.30	-58.10	55381	RM	Good
357.0	335.60	-58.40	55451	RM	Good
360.0	337.50	-58.20	55250	RM	Good
369.0	336.30	-58.20	55284	RM	Good
372.0	335.70	-58.20	55226	RM	Good
375.0	335.60	-58.30	55259	RM	Good
378.0	335.50	-58.30	55285	RM	Good
381.0	335.40	-58.40	55268	RM	Good
384.0	335.50	-58.20	55403	RM	Good
387.0	335.30	-58.30	55361	RM	Good
390.0	335.40	-58.30	55375	RM	Good
393.0	335.60	-58.10	55350	RM	Good
396.0	334.90	-58.20	55340	RM	Good
399.0	334.40	-58.30	55311	RM	Good
402.0	335.20	-58.20	55277	RM	Good
405.0	335.20	-58.10	55348	RM	Good
408.0	335.20	-58.20	55236	RM	Good
411.0	334.90	-58.00	55020	RM	Good
414.0	335.70	-58.00	55339	RM	Good
417.0	335.20	-58.10	55350	RM	Good
420.0	334.60	-58.10	54665	RM	Good
423.0	335.10	-58.00	55157	RM	Good
426.0	334.40	-58.20	55326	RM	Good
429.0	335.30	-58.10	54915	RM	Good
432.0	335.60	-58.10	55495	RM	Good
435.0	333.50	-58.10	55461	RM	Good
438.0	333.60	-58.10	55041	RM	Good
441.0	335.00	-58.00	55333	RM	Good
444.0	335.20	-58.00	55266	RM	Good



From 0.00	To 3.00	Lithologic Group Overburden					
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From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	3.00	3.00			Unaltered		

From 3.00	To 20.55	Lithologic Group Tonalite					
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From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
3.00	4.00	1.00	1079001	0.096	Silicified	2%	x
4.00	5.00	1.00	1079002	0.047	Silicified	1%	x BC
5.00	6.00	1.00	1079003	0.041	Silicified	1%	x BC
6.00	7.00	1.00	1079004	0.048	Silicified	1%	x BC
7.00	8.00	1.00	1079005	0.097	Silicified	6%	x
8.00	9.00	1.00	1079006	0.035	Silicified	10%	x
9.00	10.00	1.00	1079007	0.018	Silicified	10%	x
10.00	11.00	1.00	1079008	0.019	Silicified	1%	x
11.00	12.00	1.00	1079009	0.141	Silicified	2%	x
12.00	13.00	1.00	1079011	0.067	Silicified	2%	x
13.00	14.00	1.00	1079013	0.253	Silicified	2%	x
14.00	15.00	1.00	1079014	0.026	Silicified	2%	x BC rubbles
15.00	16.00	1.00	1079015	0.069	Silicified	2%	x BC rubbles
16.00	17.00	1.00	1079016	1.458	Silicified	2%	x
17.00	18.00	1.00	1079017	0.260	Silicified	4%	x
18.00	19.00	1.00	1079018	0.020	Silicified	4%	x
19.00	20.00	1.00	1079019	0.217	Silicified	1%	x
20.00	20.55	0.55	1079020	0.018	Silicified	2%	x

From 20.55	To 23.00	Lithologic Group Quartz diorite					
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From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
20.55	22.00	1.45	1079021	0.071	Chloritic alteration	2%	x
22.00	23.00	1.00	1079022	0.336	Chloritic alteration	4%	x

From 23.00	To 39.65	Lithologic Group Tonalite					
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From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
23.00	24.00	1.00	1079023	0.112	Silicified	4%	x
24.00	25.00	1.00	1079025	0.014	Silicified	10%	x
25.00	26.00	1.00	1079026	0.017	Silicified	4%	x
26.00	27.00	1.00	1079027	0.026	Silicified	4%	x
27.00	28.00	1.00	1079028	0.036	Silicified	1%	x

28.00	29.00	1.00	1079029	0.051	Silicified	1%	x
29.00	30.00	1.00	1079031	0.168	Silicified	4%	x
30.00	31.00	1.00	1079032	0.189	Silicified	2%	x
31.00	32.00	1.00	1079033	0.187	Silicified	4%	x
32.00	33.00	1.00	1079034	0.362	Silicified	4%	x
33.00	34.00	1.00	1079035	0.264	Silicified	2%	x
34.00	35.00	1.00	1079037	0.142	Silicified	6%	x
35.00	36.00	1.00	1079038	0.056	Silicified	1%	x
36.00	37.00	1.00	1079039	0.104	Silicified	2%	x
37.00	38.00	1.00	1079040	0.047	Silicified	2%	x
38.00	39.00	1.00	1079041	0.018	Silicified	5%	x
39.00	39.65	0.65	1079042	0.329	Silicified	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>39.65</b>	<b>40.90</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
39.65	40.90	1.25	1079043	0.146	Chloritic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>40.90</b>	<b>42.95</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
40.90	42.00	1.10	1079044	0.064	Silicified	3%	x
42.00	42.95	0.95	1079045	0.025	Silicified	6%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>42.95</b>	<b>43.65</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
42.95	43.65	0.70	1079046	0.037	Chloritic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>43.65</b>	<b>64.33</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
43.65	45.00	1.35	1079047	0.038	Silicified	3%	x
45.00	46.00	1.00	1079049	0.080	Silicified	2%	x
46.00	47.00	1.00	1079051	0.521	Silicified	2%	x
47.00	48.00	1.00	1079052	0.013	Silicified	1%	x
48.00	49.00	1.00	1079053	5.040	Sericitic alteration	1%	x
49.00	50.00	1.00	1079054	0.047	Silicified	1%	x
50.00	51.00	1.00	1079055	0.071	Silicified	2%	x
51.00	52.00	1.00	1079056	0.021	Silicified	1%	x
52.00	53.00	1.00	1079057	0.017	Silicified	2%	x
53.00	54.00	1.00	1079058	0.042	Silicified	2%	x
54.00	55.00	1.00	1079059	0.013	Silicified	2%	x
55.00	56.00	1.00	1079061	0.023	Silicified	2%	x
56.00	57.00	1.00	1079062	0.040	Silicified	1%	x
57.00	58.00	1.00	1079063	0.057	Silicified	2%	x

58.00	59.00	1.00	1079064	0.496	Silicified	3%	x
59.00	60.00	1.00	1079065	0.423	Silicified	6%	x
60.00	61.00	1.00	1079066	0.290	Silicified	2%	x
61.00	62.00	1.00	1079067	0.206	Silicified	2%	x
62.00	63.00	1.00	1079068	0.095	Silicified	2%	x
63.00	64.33	1.33	1079069	0.102	Silicified	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>64.33</b>	<b>90.00</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
64.33	65.00	0.67	1079071	0.596	Chloritic alteration	10%	x
65.00	66.00	1.00	1079073	0.064	Chloritic alteration	0%	x
66.00	67.00	1.00	1079074	0.008	Chloritic alteration	1%	x
67.00	68.00	1.00	1079075	0.005	Chloritic alteration	1%	x
68.00	69.00	1.00	1079076	0.019	Chloritic alteration	2%	x
69.00	70.00	1.00	1079077	0.013	Chloritic alteration	1%	x
70.00	71.00	1.00	1079078	0.083	Chloritic alteration	1%	x
71.00	72.00	1.00	1079079	0.144	Chloritic alteration	0%	x
72.00	73.00	1.00	1079080	0.013	Chloritic alteration	1%	x
73.00	74.00	1.00	1079081	0.006	Chloritic alteration	2%	x
74.00	75.00	1.00	1079082	0.005	Chloritic alteration	0%	x
75.00	76.00	1.00	1079083	0.027	Chloritic alteration	1%	x
76.00	77.00	1.00	1079085	0.020	Chloritic alteration	1%	x
77.00	78.00	1.00	1079086	0.005	Chloritic alteration	3%	x
78.00	79.00	1.00	1079087	0.005	Chloritic alteration	3%	x
79.00	80.00	1.00	1079088	0.005	Chloritic alteration	0%	x
80.00	81.00	1.00	1079089	0.005	Chloritic alteration	1%	x
81.00	82.00	1.00	1079091	0.912	Chloritic alteration	1%	x
82.00	83.00	1.00	1079092	0.044	Chloritic alteration	1%	x
83.00	84.00	1.00	1079093	0.025	Chloritic alteration	1%	x
84.00	85.00	1.00	1079094	0.072	Chloritic alteration	1%	x
85.00	86.00	1.00	1079095	0.131	Chloritic alteration	1%	x
86.00	87.00	1.00	1079097	0.037	Chloritic alteration	1%	x
87.00	88.00	1.00	1079098	0.148	Chloritic alteration	3%	x
88.00	89.00	1.00	1079099	0.100	Chloritic alteration	15%	x
89.00	90.00	1.00	1079100	0.019	Chloritic alteration	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>90.00</b>	<b>92.00</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
90.00	91.00	1.00	1079101	0.402	Silicified	1%	x
91.00	92.00	1.00	1079102	0.250	Silicified	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>92.00</b>	<b>96.00</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
92.00	93.00	1.00	1079103	0.226	Biotitic alteration	6%	x
93.00	94.00	1.00	1079104	0.009	Biotitic alteration	3%	x
94.00	95.00	1.00	1079105	0.007	Biotitic alteration	3%	x
95.00	96.00	1.00	1079106	0.007	Biotitic alteration	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>96.00</b>	<b>100.30</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
96.00	97.00	1.00	1079107	0.081	Chloritic alteration	2%	x small lamp in
97.00	98.00	1.00	1079108	0.005	Silicified	2%	x
98.00	99.00	1.00	1079109	0.012	Chloritic alteration	1%	x
99.00	100.30	1.30	1079111	0.009	Chloritic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>100.30</b>	<b>102.00</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
100.30	101.00	0.70	1079113	0.005	Biotitic alteration	4%	x
101.00	102.00	1.00	1079114	0.005	Biotitic alteration	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>102.00</b>	<b>102.70</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
102.00	102.70	0.70	1079115	0.005	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>102.70</b>	<b>103.70</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
102.70	103.70	1.00	1079116	0.005	Biotitic alteration	40%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>103.70</b>	<b>104.25</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
103.70	104.25	0.55	1079117	0.010	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>104.25</b>	<b>109.00</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
104.25	106.00	1.75	1079118	0.010	Biotitic alteration	20%	x BC missing core
106.00	107.00	1.00	1079119	0.007	Biotitic alteration	2%	x
107.00	108.00	1.00	1079120	0.008	Biotitic alteration	2%	x
108.00	109.00	1.00	1079121	0.014	Biotitic alteration	20%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>109.00</b>	<b>113.00</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

109.00	110.00	1.00	1079122	0.081	Silicified	2%	x
110.00	111.00	1.00	1079123	0.021	Silicified	2%	x
111.00	112.00	1.00	1079125	0.005	Silicified	2%	x
112.00	113.00	1.00	1079126	0.006	Silicified	4%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>113.00</b>	<b>131.00</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
113.00	114.00	1.00	1079127	0.009	Chloritic alteration	4%	x
114.00	115.00	1.00	1079128	0.005	Chloritic alteration	2%	x
115.00	116.00	1.00	1079129	0.005	Chloritic alteration	0%	x
116.00	117.00	1.00	1079131	0.005	Chloritic alteration	0%	x
117.00	118.00	1.00	1079132	0.008	Chloritic alteration	0%	x
118.00	119.00	1.00	1079133	0.010	Chloritic alteration	0%	x
119.00	120.00	1.00	1079134	0.005	Chloritic alteration	1%	x
120.00	121.00	1.00	1079135	0.005	Chloritic alteration	1%	x
121.00	122.00	1.00	1079137	0.055	Chloritic alteration	0%	x
122.00	123.00	1.00	1079138	0.109	Chloritic alteration	0%	x
123.00	124.00	1.00	1079139	0.019	Chloritic alteration	8%	x
124.00	125.00	1.00	1079140	0.009	Chloritic alteration	3%	x
125.00	126.00	1.00	1079141	0.007	Chloritic alteration	2%	x
126.00	127.00	1.00	1079142	0.012	Chloritic alteration	0%	x
127.00	128.00	1.00	1079143	0.048	Chloritic alteration	0%	x
128.00	129.00	1.00	1079144	0.164	Chloritic alteration	1%	x
129.00	130.00	1.00	1079145	0.018	Chloritic alteration	0%	x
130.00	131.00	1.00	1079146	0.013	Chloritic alteration	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>131.00</b>	<b>134.00</b>	<b>Tonalite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
131.00	132.00	1.00	1079147	0.012	Chloritic alteration	0%	x
132.00	133.00	1.00	1079149	0.005	Chloritic alteration	1%	x
133.00	134.00	1.00	1079151	0.016	Silicified	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>134.00</b>	<b>136.00</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
134.00	135.00	1.00	1079152	0.037	Chloritic alteration	0%	x
135.00	136.00	1.00	1079153	0.038	Chloritic alteration	0%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>136.00</b>	<b>145.00</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
136.00	137.00	1.00	1079154	0.011	Chloritic alteration	2%	x
137.00	138.00	1.00	1079155	0.037	Chloritic alteration	0%	x
138.00	139.00	1.00	1079156	0.077	Chloritic alteration	0%	x

139.00	140.00	1.00	1079157	0.157	Chloritic alteration	10%	x
140.00	141.00	1.00	1079158	0.025	Chloritic alteration	0%	x
141.00	142.00	1.00	1079159	0.113	Silicified	0%	x
142.00	143.00	1.00	1079161	0.103	Silicified	1%	x
143.00	144.00	1.00	1079162	0.061	Silicified	2%	x
144.00	145.00	1.00	1079163	0.039	Chloritic alteration	1%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>145.00</b>	<b>146.65</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
145.00	146.00	1.00	1079164	0.177	Silicified	1%	x
146.00	146.65	0.65	1079165	0.111	Silicified	1%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>146.65</b>	<b>157.00</b>		<b>Tonalite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
146.65	148.00	1.35	1079166	0.248	Silicified	1%	x
148.00	149.00	1.00	1079167	0.245	Silicified	1%	x
149.00	150.00	1.00	1079168	0.218	Silicified	1%	x
150.00	151.00	1.00	1079169	0.018	Chloritic alteration	6%	x
151.00	152.00	1.00	1079171	0.072	Silicified	4%	x
152.00	153.00	1.00	1079173	0.027	Silicified	2%	x
153.00	154.00	1.00	1079174	0.013	Silicified	2%	x
154.00	155.00	1.00	1079175	0.017	Silicified	4%	x
155.00	156.00	1.00	1079176	0.016	Chloritic alteration	4%	x
156.00	157.00	1.00	1079177	0.013	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>157.00</b>	<b>159.00</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
157.00	158.00	1.00	1079178	0.054	Chloritic alteration	2%	x
158.00	159.00	1.00	1079179	0.330	Chloritic alteration	8%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>159.00</b>	<b>162.10</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
159.00	160.00	1.00	1079180	0.491	Chloritic alteration	3%	x
160.00	161.00	1.00	1079181	0.170	Silicified	2%	x
161.00	162.10	1.10	1079182	0.132	Silicified	2%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>162.10</b>	<b>163.00</b>		<b>Tonalite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
162.10	163.00	0.90	1079183	0.042	Silicified	6%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>163.00</b>	<b>164.00</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
163.00	164.00	1.00	1079185	0.070	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>164.00</b>	<b>238.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
164.00	165.00	1.00	1079186	0.107	Silicified	4%	x
165.00	166.00	1.00	1079187	0.124	Silicified	4%	x
166.00	167.00	1.00	1079188	0.097	Silicified	6%	x
167.00	168.00	1.00	1079189	0.079	Silicified	2%	x
168.00	169.00	1.00	1079191	0.072	Silicified	2%	x
169.00	170.00	1.00	1079192	2.889	Silicified	4%	x
170.00	171.00	1.00	1079193	0.178	Silicified	3%	x
171.00	172.00	1.00	1079194	0.302	Silicified	6%	x
172.00	173.00	1.00	1079195	0.126	Silicified	2%	x
173.00	174.00	1.00	1079197	0.305	Silicified	2%	x
174.00	175.00	1.00	1079198	0.072	Silicified	6%	x small 40 cm lamp in sample
175.00	176.00	1.00	1079199	0.678	Silicified	2%	x
176.00	177.00	1.00	1079200	0.551	Silicified	2%	x
177.00	178.00	1.00	1079201	0.061	Silicified	2%	x
178.00	179.00	1.00	1079202	0.081	Silicified	2%	x
179.00	180.00	1.00	1079203	0.943	Silicified	2%	x
180.00	181.00	1.00	1079204	0.962	Silicified	3%	x
181.00	182.00	1.00	1079205	1.151	Silicified	4%	x
182.00	183.00	1.00	1079206	0.600	Silicified	4%	x
183.00	184.00	1.00	1079207	0.303	Silicified	4%	x
184.00	185.00	1.00	1079208	0.117	Silicified	5%	x
185.00	186.00	1.00	1079209	0.241	Silicified	2%	x
186.00	187.00	1.00	1079211	0.071	Silicified	1%	x
187.00	188.00	1.00	1079213	0.043	Silicified	1%	x
188.00	189.00	1.00	1079214	0.115	Silicified	1%	x
189.00	190.00	1.00	1079215	0.157	Silicified	1%	x
190.00	191.00	1.00	1079216	0.171	Silicified	2%	x
191.00	192.00	1.00	1079217	0.045	Silicified	2%	x
192.00	193.00	1.00	1079218	0.087	Silicified	2%	x
193.00	194.00	1.00	1079219	0.598	Silicified	2%	x
194.00	195.00	1.00	1079220	0.215	Silicified	2%	x
195.00	196.00	1.00	1079221	0.342	Silicified	3%	x
196.00	197.00	1.00	1079222	0.202	Silicified	2%	x
197.00	198.00	1.00	1079223	0.186	Silicified	2%	x
198.00	199.00	1.00	1079225	0.060	Silicified	2%	x

199.00	200.00	1.00	1079226	0.076	Silicified	2%	x
200.00	201.00	1.00	1079227	0.526	Silicified	2%	x
201.00	202.00	1.00	1079228	0.561	Silicified	2%	x
202.00	203.00	1.00	1079229	0.224	Silicified	3%	x
203.00	204.00	1.00	1079231	0.156	Silicified	2%	x
204.00	205.00	1.00	1079232	0.674	Silicified	3%	x
205.00	206.00	1.00	1079233	0.322	Silicified	3%	x
206.00	207.00	1.00	1079234	0.160	Silicified	2%	x
207.00	208.00	1.00	1079235	0.155	Silicified	2%	x
208.00	209.00	1.00	1079237	0.259	Silicified	2%	x
209.00	210.00	1.00	1079238	0.580	Silicified	3%	x
210.00	211.00	1.00	1079239	0.245	Silicified	3%	x
211.00	212.00	1.00	1079240	0.127	Silicified	2%	x
212.00	213.00	1.00	1079241	0.325	Silicified	2%	x
213.00	214.00	1.00	1079242	0.803	Silicified	2%	x
214.00	215.00	1.00	1079243	0.112	Silicified	2%	x
215.00	216.00	1.00	1079244	0.071	Silicified	1%	x
216.00	217.00	1.00	1079245	0.640	Silicified	1%	x 30cm of bo alteration
217.00	218.00	1.00	1079246	0.198	Silicified	2%	x 20cm of bo alteration
218.00	219.00	1.00	1079247	0.223	Silicified	2%	x 20cm of bo alteration
219.00	220.00	1.00	1079249	0.137	Silicified	2%	x
220.00	221.00	1.00	1079251	0.563	Silicified	1%	x
221.00	222.00	1.00	1079252	0.176	Silicified	1%	x
222.00	223.00	1.00	1079253	0.252	Silicified	1%	x 35cm of bo alteration
223.00	224.00	1.00	1079254	0.157	Silicified	1%	x
224.00	225.00	1.00	1079255	0.090	Silicified	1%	x 15cm of bo alteration
225.00	226.00	1.00	1079256	0.196	Silicified	1%	x 15cm of bo alteration
226.00	227.00	1.00	1079257	0.365	Silicified	1%	x
227.00	228.00	1.00	1079258	0.349	Silicified	1%	x 10cm of bo alteration
228.00	229.00	1.00	1079259	0.064	Biotitic alteration	1%	x 100cm of bo alteration
229.00	230.00	1.00	1079261	0.267	Biotitic alteration	0%	x 100cm of bo alteration
230.00	231.00	1.00	1079262	0.421	Biotitic alteration	1%	x 65cm of bo alteration
231.00	231.65	0.65	1079263	0.359	Silicified	16%	x
231.65	232.25	0.60	1079264	0.342	Silicified	90%	x
232.25	233.00	0.75	1079265	0.152	Silicified	12%	x
233.00	234.00	1.00	1079266	0.475	Silicified	20%	x
234.00	235.00	1.00	1079267	0.089	Silicified	5%	x
235.00	236.00	1.00	1079268	0.342	Silicified	4%	x
236.00	237.00	1.00	1079269	0.103	Silicified	12%	x
237.00	238.00	1.00	1079271	0.043	Silicified	30%	x



<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>238.00</b>	<b>238.55</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
238.00	238.55	0.55	1079273	0.005	Chloritic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>238.55</b>	<b>266.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
238.55	239.30	0.75	1079274	0.005	Silicified	90%	x
239.30	240.00	0.70	1079275	0.050	Silicified	4%	x
240.00	241.00	1.00	1079276	0.415	Silicified	4%	x
241.00	242.00	1.00	1079277	0.157	Silicified	2%	x
242.00	243.00	1.00	1079278	0.358	Silicified	2%	x
243.00	244.00	1.00	1079279	0.137	Silicified	4%	x
244.00	245.00	1.00	1079280	0.075	Silicified	1%	x
245.00	246.00	1.00	1079281	0.108	Silicified	1%	x
246.00	247.00	1.00	1079282	0.026	Silicified	1%	x
247.00	248.00	1.00	1079283	0.064	Silicified	3%	x
248.00	249.00	1.00	1079285	0.116	Silicified	2%	x
249.00	250.00	1.00	1079286	0.089	Silicified	1%	x
250.00	251.00	1.00	1079287	0.175	Biotitic alteration	3%	x
251.00	252.00	1.00	1079288	0.297	Sericitic alteration	2%	x
252.00	253.00	1.00	1079289	0.224	Sericitic alteration	1%	x
253.00	254.00	1.00	1079291	0.090	Sericitic alteration	2%	x
254.00	255.00	1.00	1079292	0.162	Sericitic alteration	1%	x
255.00	256.00	1.00	1079293	0.075	Silicified	3%	x
256.00	257.00	1.00	1079294	0.092	Silicified	1%	x
257.00	258.00	1.00	1079295	0.306	Silicified	2%	x
258.00	259.00	1.00	1079297	0.040	Silicified	2%	x
259.00	260.00	1.00	1079298	0.111	Silicified	1%	x
260.00	261.00	1.00	1079299	0.281	Silicified	2%	x
261.00	262.00	1.00	1079300	0.141	Silicified	1%	x
262.00	263.00	1.00	1079301	0.119	Silicified	2%	x
263.00	264.00	1.00	1079302	0.161	Silicified	2%	x
264.00	265.00	1.00	1079303	0.154	Silicified	2%	x
265.00	266.00	1.00	1079304	0.166	Sericitic alteration	8%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>266.00</b>	<b>268.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
266.00	267.00	1.00	1079305	0.339	Sericitic alteration	2%	x
267.00	268.00	1.00	1079306	0.309	Sericitic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>268.00</b>	<b>290.10</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
268.00	269.00	1.00	1079307	0.239	Silicified	2%	x
269.00	270.00	1.00	1079308	0.588	Sericitic alteration	3%	x
270.00	271.00	1.00	1079309	5.620	Sericitic alteration	10%	x
271.00	272.00	1.00	1079311	2.155	Sericitic alteration	1%	x
272.00	273.00	1.00	1079313	0.300	Sericitic alteration	2%	x
273.00	274.00	1.00	1079314	0.931	Silicified	2%	x
274.00	275.00	1.00	1079315	0.504	Silicified	2%	x
275.00	276.00	1.00	1079316	0.233	Silicified	2%	x
276.00	277.00	1.00	1079317	1.514	Sericitic alteration	1%	x
277.00	278.00	1.00	1079318	0.358	Sericitic alteration	1%	x
278.00	279.00	1.00	1079319	0.132	Sericitic alteration	2%	x
279.00	280.00	1.00	1079320	0.167	Silicified	2%	x
280.00	281.00	1.00	1079321	0.244	Silicified	1%	x
281.00	282.00	1.00	1079322	0.521	Silicified	2%	x
282.00	283.00	1.00	1079323	0.428	Silicified	1%	x
283.00	284.00	1.00	1079325	0.594	Silicified	1%	x
284.00	285.00	1.00	1079326	0.791	Silicified	3%	x
285.00	286.00	1.00	1079327	0.502	Silicified	1%	x
286.00	287.00	1.00	1079328	0.415	Silicified	2%	x
287.00	288.00	1.00	1079329	0.303	Silicified	2%	x
288.00	289.00	1.00	1079331	1.259	Silicified	2%	x
289.00	290.10	1.10	1079332	0.362	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>290.10</b>	<b>293.25</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
290.10	291.00	0.90	1079333	0.011	Chloritic alteration	1%	x
291.00	292.00	1.00	1079334	0.011	Chloritic alteration	1%	x
292.00	293.25	1.25	1079335	0.020	Chloritic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>293.25</b>	<b>320.30</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
293.25	294.00	0.75	1079337	1.016	Silicified	4%	x
294.00	295.00	1.00	1079338	0.067	Silicified	6%	x
295.00	296.00	1.00	1079339	0.340	Silicified	4%	x
296.00	297.00	1.00	1079340	0.231	Silicified	2%	x
297.00	298.00	1.00	1079341	0.806	Silicified	2%	x
298.00	299.00	1.00	1079342	0.249	Silicified	2%	x
299.00	300.00	1.00	1079343	0.338	Silicified	2%	x
300.00	301.00	1.00	1079344	0.552	Silicified	1%	x

301.00	302.00	1.00	1079345	0.462	Silicified	1%	x
302.00	303.00	1.00	1079346	0.222	Silicified	1%	x
303.00	304.00	1.00	1079347	0.106	Silicified	2%	x
304.00	305.00	1.00	1079349	0.205	Silicified	3%	x
305.00	306.00	1.00	1079351	0.133	Silicified	3%	x
306.00	307.00	1.00	1079352	0.356	Silicified	1%	x
307.00	308.00	1.00	1079353	0.047	Silicified	2%	x
308.00	309.00	1.00	1079354	0.206	Silicified	2%	x
309.00	310.00	1.00	1079355	0.259	Silicified	1%	x
310.00	311.00	1.00	1079356	0.500	Sericitic alteration	2%	x
311.00	312.00	1.00	1079357	0.316	Sericitic alteration	2%	x
312.00	313.00	1.00	1079358	0.797	Sericitic alteration	2%	x
313.00	314.00	1.00	1079359	0.343	Sericitic alteration	1%	x
314.00	315.00	1.00	1079361	0.249	Silicified	1%	x
315.00	316.00	1.00	1079362	0.117	Silicified	1%	x
316.00	317.00	1.00	1079363	0.675	Silicified	1%	x
317.00	318.00	1.00	1079364	0.358	Silicified	1%	x
318.00	319.00	1.00	1079365	0.409	Sericitic alteration	1%	x
319.00	320.30	1.30	1079366	0.076	Sericitic alteration	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>320.30</b>	<b>327.70</b>	<b>Mafic Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
320.30	321.00	0.70	1079367	0.017	Chloritic alteration	0%	x
321.00	322.00	1.00	1079368	0.009	Chloritic alteration	0%	x
322.00	323.00	1.00	1079369	0.010	Chloritic alteration	1%	x
323.00	324.00	1.00	1079371	0.005	Chloritic alteration	1%	x
324.00	325.00	1.00	1079373	0.007	Chloritic alteration	1%	x
325.00	326.00	1.00	1079374	0.028	Chloritic alteration	1%	x
326.00	327.00	1.00	1079375	0.012	Chloritic alteration	1%	x
327.00	327.70	0.70	1079376	0.024	Chloritic alteration	30%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>327.70</b>	<b>356.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
327.70	329.00	1.30	1079377	0.363	Sericitic alteration	1%	x
329.00	330.00	1.00	1079378	0.065	Sericitic alteration	1%	x
330.00	331.00	1.00	1079379	3.130	Sericitic alteration	15%	x
331.00	332.00	1.00	1079380	0.366	Silicified	8%	x
332.00	333.00	1.00	1079381	0.263	Silicified	2%	x
333.00	334.00	1.00	1079382	1.010	Silicified	3%	x
334.00	335.00	1.00	1079383	1.454	Silicified	2%	x
335.00	336.00	1.00	1079385	0.410	Silicified	1%	x
336.00	337.00	1.00	1079386	0.130	Silicified	3%	x

337.00	338.00	1.00	1079387	0.246	Silicified	1%	x
338.00	339.00	1.00	1079388	0.072	Silicified	2%	x
339.00	340.00	1.00	1079389	0.272	Silicified	5%	x
340.00	341.00	1.00	1079391	0.111	Silicified	1%	x
341.00	342.00	1.00	1079392	3.610	Silicified	2%	x
342.00	343.00	1.00	1079393	0.341	Silicified	2%	x
343.00	344.00	1.00	1079394	0.386	Sericitic alteration	1%	x
344.00	345.00	1.00	1079395	0.976	Sericitic alteration	1%	x
345.00	346.00	1.00	1079397	0.168	Sericitic alteration	3%	x
346.00	347.00	1.00	1079398	0.791	Sericitic alteration	1%	x
347.00	348.00	1.00	1079399	0.280	Sericitic alteration	2%	x
348.00	349.00	1.00	1079400	0.098	Sericitic alteration	1%	x
349.00	350.00	1.00	1079401	0.313	Sericitic alteration	1%	x
350.00	351.00	1.00	1079402	0.564	Sericitic alteration	3%	x
351.00	351.90	0.90	1079403	0.807	Silicified	2%	x
351.90	353.00	1.10	1079404	0.947	Silicified	10%	x
353.00	354.00	1.00	1079405	0.638	Silicified	1%	x
354.00	355.00	1.00	1079406	0.426	Silicified	2%	x
355.00	356.00	1.00	1079407	3.270	Silicified	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>356.00</b>	<b>357.00</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
356.00	357.00	1.00	1079408	1.075	Silicified	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>357.00</b>	<b>357.70</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
357.00	357.70	0.70	1079409	0.611	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>357.70</b>	<b>360.40</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
357.70	359.00	1.30	1079411	0.548	Silicified	1%	x
359.00	360.40	1.40	1079413	0.366	Silicified	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>360.40</b>	<b>366.30</b>	<b>Mafic Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
360.40	361.00	0.60	1079414	0.026	Chloritic alteration	1%	x
361.00	362.00	1.00	1079415	0.008	Chloritic alteration	1%	x
362.00	363.00	1.00	1079416	0.006	Chloritic alteration	1%	x
363.00	364.00	1.00	1079417	0.005	Chloritic alteration	1%	x
364.00	365.00	1.00	1079418	0.005	Chloritic alteration	3%	x
365.00	366.30	1.30	1079419	0.019	Chloritic alteration	5%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>366.30</b>	<b>378.95</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
366.30	367.00	0.70	1079420	0.050	Silicified	1%	x
367.00	368.00	1.00	1079421	0.085	Silicified	1%	x
368.00	369.00	1.00	1079422	0.255	Silicified	1%	x
369.00	370.00	1.00	1079423	0.262	Silicified	1%	x
370.00	371.00	1.00	1079425	0.464	Silicified	1%	x
371.00	372.00	1.00	1079426	0.373	Silicified	1%	x
372.00	373.00	1.00	1079427	0.421	Silicified	1%	x
373.00	374.00	1.00	1079428	1.391	Silicified	1%	x
374.00	375.00	1.00	1079429	1.920	Silicified	1%	x
375.00	376.00	1.00	1079431	0.987	Silicified	1%	x
376.00	377.00	1.00	1079432	0.118	Silicified	1%	x
377.00	378.00	1.00	1079433	0.070	Silicified	1%	x
378.00	378.95	0.95	1079434	0.272	Silicified	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>378.95</b>	<b>379.90</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
378.95	379.90	0.95	1079435	0.027	Chloritic alteration	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>379.90</b>	<b>384.50</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
379.90	381.00	1.10	1079437	0.257	Silicified	2%	x
381.00	382.00	1.00	1079438	0.562	Silicified	3%	x
382.00	383.00	1.00	1079439	0.580	Silicified	1%	x
383.00	384.50	1.50	1079440	0.267	Silicified	25%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>384.50</b>	<b>386.00</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
384.50	386.00	1.50	1079441	0.020	Chloritic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>386.00</b>	<b>403.00</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
386.00	387.00	1.00	1079442	0.150	Silicified	1%	x
387.00	388.00	1.00	1079443	0.100	Silicified	1%	x
388.00	389.00	1.00	1079444	0.232	Silicified	1%	x
389.00	390.00	1.00	1079445	0.052	Silicified	1%	x
390.00	391.00	1.00	1079446	0.574	Silicified	1%	x
391.00	392.00	1.00	1079447	1.273	Silicified	1%	x
392.00	393.00	1.00	1079449	0.032	Silicified	1%	x
393.00	394.00	1.00	1079451	0.166	Silicified	1%	x

394.00	395.00	1.00	1079452	0.157	Silicified	1%	x
395.00	396.00	1.00	1079453	4.810	Silicified	1%	x
396.00	397.00	1.00	1079454	0.227	Silicified	1%	x
397.00	398.00	1.00	1079455	0.132	Silicified	2%	x
398.00	399.00	1.00	1079456	2.525	Silicified	1%	x
399.00	400.00	1.00	1079457	0.100	Silicified	1%	x
400.00	401.00	1.00	1079458	0.100	Silicified	1%	x
401.00	402.00	1.00	1079459	0.084	Silicified	5%	x
402.00	403.00	1.00	1079461	0.119	Silicified	1%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>403.00</b>	<b>410.00</b>		<b>Tonalite 2 Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
403.00	404.00	1.00	1079462	0.161	Silicified	3%	x
404.00	405.00	1.00	1079463	0.604	Silicified	4%	x
405.00	406.00	1.00	1079464	0.166	Silicified	1%	x
406.00	407.00	1.00	1079465	0.969	Sericitic alteration	3%	x
407.00	408.00	1.00	1079466	1.735	Silicified	3%	x
408.00	409.00	1.00	1079467	0.130	Silicified	1%	x
409.00	410.00	1.00	1079468	0.136	Sericitic alteration	5%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>410.00</b>	<b>411.00</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
410.00	411.00	1.00	1079469	0.163	Silicified	2%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>411.00</b>	<b>413.50</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
411.00	412.00	1.00	1079471	0.407	Silicified	2%	x
412.00	413.00	1.00	1079473	1.858	Silicified	2%	x
413.00	413.50	0.50	1079474	0.272	Silicified	50%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>413.50</b>	<b>414.90</b>		<b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
413.50	414.90	1.40	1079475	0.040	Chloritic alteration	5%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>414.90</b>	<b>417.90</b>		<b>Tonalite 2</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
414.90	416.00	1.10	1079476	0.521	Silicified	1%	x
416.00	417.00	1.00	1079477	0.272	Silicified	1%	x
417.00	417.90	0.90	1079478	0.307	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>417.90</b>	<b>420.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
417.90	419.00	1.10	1079479	0.694	Silicified	1%	x
419.00	420.00	1.00	1079480	0.409	Silicified	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>420.00</b>	<b>420.60</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
420.00	420.60	0.60	1079481	0.118	Silicified	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>420.60</b>	<b>423.00</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
420.60	422.00	1.40	1079482	0.031	Chloritic alteration	2%	x
422.00	423.00	1.00	1079483	0.020	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>423.00</b>	<b>424.20</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
423.00	424.20	1.20	1079485	0.032	Chloritic alteration	10%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>424.20</b>	<b>440.50</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
424.20	425.00	0.80	1079486	4.260	Sericitic alteration	0%	x
425.00	426.00	1.00	1079487	1.475	Sericitic alteration	2%	x
426.00	427.00	1.00	1079488	0.381	Sericitic alteration	0%	x
427.00	428.00	1.00	1079489	0.904	Sericitic alteration	8%	x
428.00	429.00	1.00	1079491	1.288	Sericitic alteration	6%	x
429.00	430.00	1.00	1079492	0.602	Sericitic alteration	1%	x
430.00	431.00	1.00	1079493	0.488	Silicified	8%	x
431.00	432.00	1.00	1079494	0.257	Silicified	1%	x
432.00	433.00	1.00	1079495	0.237	Silicified	1%	x
433.00	434.00	1.00	1079497	0.411	Silicified	1%	x
434.00	435.00	1.00	1079498	0.294	Silicified	2%	x
435.00	436.00	1.00	1079499	0.152	Silicified	1%	x
436.00	437.00	1.00	1079500	0.388	Silicified	1%	x
437.00	438.00	1.00	1079501	0.607	Silicified	2%	x
438.00	439.00	1.00	1079502	0.863	Silicified	4%	x
439.00	440.00	1.00	1079503	1.045	Silicified	1%	x
440.00	440.50	0.50	1079504	0.728	Silicified	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>440.50</b>	<b>442.00</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

440.50	441.00	0.50	1079505	0.012	Chloritic alteration	3%	x
441.00	442.00	1.00	1079506	0.168	Chloritic alteration	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>442.00</b>	<b>450.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
442.00	443.00	1.00	1079507	0.722	Silicified	2%	x
443.00	444.00	1.00	1079508	1.049	Silicified	2%	x
444.00	445.00	1.00	1079509	0.745	Silicified	1%	x
445.00	446.00	1.00	1079511	0.818	Silicified	2%	x
446.00	447.00	1.00	1079513	0.370	Silicified	1%	x
447.00	448.00	1.00	1079514	0.265	Silicified	1%	x
448.00	449.00	1.00	1079515	0.650	Silicified	1%	x
449.00	450.00	1.00	1079516	0.196	Silicified	1%	x



# DRILL HOLE REPORT

Drill Hole	<b>GOS20-37</b>	Project	<b>Gosselin</b>	Cost Code	<b>234</b>
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Drilling Details:

Azimuth	325.3	Company	
Dip	-60.3	Contractor	NPLH
Length	510.0 m	Position	
Started	12-Feb-20	Bore Size	NQ
Completed	21-Feb-20	Sample Storage	Klondike Lodge
Logged	08-Mar-20	Casing	STEEL
Logged by	Andrew Shea	Condition	Capped

Survey Details:

Claim Number	PAT-11121
Property	Chester
Township	Chester
Spotted by	
Surveyed by	
Collar Orientation	Reflex Single-shot Survey
Coord Survey Tool	DGPS

**Target**  
**Comments** Laura started logging at 150.66 m - 274 m

Coordinates:

Easting	430877.49
UTM Datum	NAD83
Northing	5267549.49
UTM Zone	17
Elevation	381.69

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
18.0	325.30	-60.30	55898	RS	Good						
69.0	326.00	-60.20	54999	RS	Good						
120.0	317.70	-59.80	54551	RS	Poor						
171.0	327.50	-59.60	55315	RS	Good						
222.0	327.50	-59.50	55333	RS	Good						
273.0	327.60	-59.40	55180	RS	Good						
324.0	328.30	-59.40	55481	RS	Good						
375.0	327.70	-59.30	55210	RS	Good						
444.0	327.20	-59.00	55166	RS	Good						
477.0	326.70	-58.80	55038	RS	Good						

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>0.00</b>	<b>5.00</b>	<b>Overburden</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	5.00	5.00			Unaltered		

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>5.00</b>	<b>94.50</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
5.00	6.00	1.00	455166	0.182	Sericitic alteration	3%	AS start log
6.00	7.00	1.00	455167	0.081	Sericitic alteration	2%	
7.00	8.00	1.00	455168	0.079	Sericitic alteration	1%	
8.00	9.00	1.00	455169	0.274	Sericitic alteration	2%	
9.00	9.64	0.64	455171	0.275	Sericitic alteration	2%	
9.64	11.00	1.36	455173	0.153	Sericitic alteration	3%	
11.00	12.00	1.00	455174	0.111	Sericitic alteration	1%	
12.00	13.00	1.00	455175	0.073	Sericitic alteration	5%	
13.00	14.13	1.13	455176	0.302	Sericitic alteration	1%	
14.13	15.13	1.00	455177	0.221	Sericitic alteration	20%	
15.13	16.16	1.03	455178	0.043	Sericitic alteration	1%	
16.16	17.00	0.84	455179	0.256	Sericitic alteration	2%	
17.00	18.00	1.00	455180	0.163	Sericitic alteration	1%	
18.00	18.90	0.90	455181	0.202	Sericitic alteration	2%	
18.90	20.00	1.10	455182	0.107	Sericitic alteration	1%	
20.00	21.00	1.00	455183	0.213	Sericitic alteration	1%	
21.00	22.00	1.00	455185	0.076	Sericitic alteration	3%	
22.00	23.00	1.00	455186	0.076	Chloritic alteration	2%	
23.00	24.00	1.00	455187	0.028	Chloritic alteration	1%	
24.00	25.00	1.00	455188	0.033	Chloritic alteration	3%	
25.00	25.73	0.73	455189	0.051	Chloritic alteration	1%	
25.73	26.65	0.92	455191	0.321	Chloritic alteration	3%	
26.65	28.00	1.35	455192	0.087	Chloritic alteration	3%	
28.00	29.00	1.00	455193	0.050	Chloritic alteration	3%	
29.00	30.00	1.00	455194	0.191	Chloritic alteration	1%	
30.00	31.00	1.00	455195	0.153	Chloritic alteration	3%	
31.00	32.00	1.00	455197	0.286	Chloritic alteration	2%	
32.00	33.00	1.00	455198	0.060	Chloritic alteration	1%	
33.00	34.00	1.00	455199	0.156	Chloritic alteration	2%	
34.00	35.00	1.00	455200	0.412	Chloritic alteration	2%	
35.00	36.00	1.00	455201	0.722	Chloritic alteration	1%	

36.00	37.00	1.00	455202	0.398	Chloritic alteration	3%
37.00	38.00	1.00	455203	0.242	Chloritic alteration	1%
38.00	39.20	1.20	455204	0.113	Chloritic alteration	2%
39.20	40.00	0.80	455205	0.811	Sericitic alteration	30%
40.00	41.00	1.00	455206	0.091	Sericitic alteration	2%
41.00	42.44	1.44	455207	0.210	Chloritic alteration	1%
42.44	43.30	0.86	455208	0.448	Sericitic alteration	1%
43.30	44.12	0.82	455209	0.030	Chloritic alteration	1%
44.12	45.00	0.88	455211	0.096	Silicified	4%
45.00	46.00	1.00	455213	0.089	Silicified	3%
46.00	47.00	1.00	455214	0.159	Silicified	3%
47.00	48.00	1.00	455215	0.153	Silicified	2%
48.00	49.00	1.00	455216	0.068	Silicified	3%
49.00	50.00	1.00	455217	0.101	Silicified	1%
50.00	51.07	1.07	455218	0.081	Chloritic alteration	3%
51.07	52.60	1.53	455219	0.133	Chloritic alteration	2%
52.60	54.00	1.40	455220	0.126	Chloritic alteration	1%
54.00	55.00	1.00	455221	0.430	Sericitic alteration	10%
55.00	56.00	1.00	455222	0.174	Sericitic alteration	3%
56.00	57.00	1.00	455223	0.155	Chloritic alteration	1%
57.00	58.00	1.00	455225	0.268	Chloritic alteration	2%
58.00	59.00	1.00	455226	0.158	Chloritic alteration	2%
59.00	60.00	1.00	455227	0.178	Sericitic alteration	4%
60.00	61.00	1.00	455228	0.029	Sericitic alteration	15%
61.00	62.00	1.00	455229	0.047	Sericitic alteration	2%
62.00	63.00	1.00	455231	0.187	Chloritic alteration	2%
63.00	63.74	0.74	455232	0.060	Chloritic alteration	0%
63.74	65.00	1.26	455233	0.161	Sericitic alteration	11%
65.00	66.00	1.00	455234	0.025	Chloritic alteration	2%
66.00	67.00	1.00	455235	0.073	Chloritic alteration	1%
67.00	68.00	1.00	455237	0.249	Sericitic alteration	3%
68.00	69.00	1.00	455238	0.979	Sericitic alteration	15%
69.00	70.00	1.00	455239	0.093	Chloritic alteration	3%
70.00	71.00	1.00	455240	0.827	Chloritic alteration	1%
71.00	72.00	1.00	455241	0.207	Chloritic alteration	2%
72.00	73.00	1.00	455242	0.622	Chloritic alteration	1%
73.00	74.00	1.00	455243	0.162	Chloritic alteration	0%
74.00	75.00	1.00	455244	0.406	Chloritic alteration	0%
75.00	76.00	1.00	455245	0.122	Chloritic alteration	0%
76.00	77.00	1.00	455246	0.042	Chloritic alteration	3%
77.00	78.00	1.00	455247	0.040	Chloritic alteration	20%
78.00	79.00	1.00	455249	0.778	Chloritic alteration	1%

79.00	80.00	1.00	455251	0.322	Chloritic alteration	0%
80.00	81.00	1.00	455252	0.117	Sericitic alteration	5%
81.00	82.00	1.00	455253	0.194	Chloritic alteration	3%
82.00	83.00	1.00	455254	0.162	Chloritic alteration	1%
83.00	83.87	0.87	455255	0.054	Chloritic alteration	1%
83.87	85.00	1.13	455256	0.067	Sericitic alteration	5%
85.00	86.00	1.00	455257	0.104	Chloritic alteration	0%
86.00	87.00	1.00	455258	0.234	Chloritic alteration	2%
87.00	88.00	1.00	455259	0.054	Chloritic alteration	1%
88.00	89.25	1.25	455261	0.044	Chloritic alteration	2%
89.25	90.00	0.75	455262	0.085	Sericitic alteration	1%
90.00	91.00	1.00	455263	0.348	Sericitic alteration	3%
91.00	92.00	1.00	455264	1.695	Sericitic alteration	2%
92.00	93.00	1.00	455265	0.027	Chloritic alteration	1%
93.00	94.50	1.50	455266	0.388	Chloritic alteration	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>94.50</b>	<b>97.74</b>	<b>Quartz diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
94.50	95.25	0.75	455267	0.200	Chloritic alteration	0%	
95.25	96.00	0.75	455268	1.280	Chloritic alteration	0%	
96.00	97.00	1.00	455269	0.389	Chloritic alteration	1%	
97.00	97.74	0.74	455271	0.391	Chloritic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>97.74</b>	<b>127.60</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
97.74	99.00	1.26	455273	0.046	Chloritic alteration	1%	
99.00	100.00	1.00	455274	0.111	Chloritic alteration	0%	
100.00	101.00	1.00	455275	0.041	Chloritic alteration	1%	
101.00	102.00	1.00	455276	0.019	Chloritic alteration	13%	
102.00	103.00	1.00	455277	0.042	Chloritic alteration	2%	
103.00	104.00	1.00	455278	0.034	Chloritic alteration	0%	
104.00	105.00	1.00	455279	0.024	Chloritic alteration	0%	
105.00	106.00	1.00	455280	0.042	Chloritic alteration	2%	
106.00	107.00	1.00	455281	0.058	Chloritic alteration	1%	
107.00	108.00	1.00	455282	0.077	Chloritic alteration	3%	
108.00	109.00	1.00	455283	0.092	Chloritic alteration	1%	
109.00	110.00	1.00	455285	0.101	Chloritic alteration	0%	
110.00	111.00	1.00	455286	0.127	Chloritic alteration	3%	
111.00	112.00	1.00	455287	0.047	Chloritic alteration	2%	
112.00	112.79	0.79	455288	0.034	Chloritic alteration	1%	
112.79	113.50	0.71	455289	0.038	Chloritic alteration	3%	
113.50	114.58	1.08	455291	0.048	Hematitic alteration	4%	

114.58	116.10	1.52	455292	0.023	Hematitic alteration	6%
116.10	117.30	1.20	455293	0.017	Hematitic alteration	10%
117.30	118.00	0.70	455294	0.046	Hematitic alteration	1%
118.00	119.00	1.00	455295	0.058	Hematitic alteration	1%
119.00	120.00	1.00	455297	0.039	Hematitic alteration	5%
120.00	121.00	1.00	455298	0.010	Hematitic alteration	3%
121.00	122.00	1.00	455299	0.026	Hematitic alteration	2%
122.00	123.00	1.00	455300	0.039	Hematitic alteration	4%
123.00	124.00	1.00	455301	0.037	Hematitic alteration	5%
124.00	125.00	1.00	455302	0.053	Hematitic alteration	1%
125.00	126.10	1.10	455303	0.032	Hematitic alteration	2%
126.10	127.60	1.50	455304	0.100	Hematitic alteration	2%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>127.60</b>	<b>147.60</b>	<b>Diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
127.60	129.00	1.40	455305	0.020	Chloritic alteration	7%	
129.00	130.50	1.50	455306	0.006	Chloritic alteration	0%	
130.50	132.00	1.50	455307	0.008	Chloritic alteration	0%	
132.00	133.50	1.50	455308	0.005	Chloritic alteration	3%	
133.50	135.00	1.50	455309	0.049	Chloritic alteration	0%	
135.00	136.50	1.50	455311	0.016	Chloritic alteration	0%	
136.50	138.00	1.50	455313	0.009	Chloritic alteration	2%	
138.00	139.50	1.50	455314	0.009	Chloritic alteration	0%	
139.50	141.00	1.50	455315	0.005	Chloritic alteration	1%	
141.00	142.50	1.50	455316	0.013	Chloritic alteration	0%	
142.50	144.00	1.50	455317	0.005	Chloritic alteration	0%	
144.00	145.50	1.50	455318	0.005	Chloritic alteration	0%	
145.50	147.00	1.50	455319	0.006	Chloritic alteration	0%	
147.00	147.60	0.60	455320	0.006	Chloritic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>147.60</b>	<b>150.66</b>	<b>Fault Zone</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
147.60	148.20	0.60	455321	0.005	Chloritic alteration	5%	
148.20	149.00	0.80	455322	0.012	Chloritic alteration	6%	
149.00	150.00	1.00	455323	32.100	Chloritic alteration	35%	
150.00	150.66	0.66	455325	0.030	Chloritic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>150.66</b>	<b>158.74</b>	<b>Diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
150.66	152.00	1.34	455326	0.014	Chloritic alteration	2%	Laura started logging here
152.00	153.00	1.00	455327	0.005	Chloritic alteration	1%	
153.00	154.00	1.00	455328	0.006	Chloritic alteration	3%	

154.00	155.00	1.00	455329	0.010	Chloritic alteration	3%
155.00	156.00	1.00	455331	0.005	Chloritic alteration	3%
156.00	157.00	1.00	455332	0.005	Chloritic alteration	3%
157.00	158.00	1.00	455333	0.005	Chloritic alteration	3%
158.00	158.74	0.74	455334	0.024	Chloritic alteration	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>158.74</b>	<b>207.24</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
158.74	160.00	1.26	455335	0.253	Biotitic alteration	1%	
160.00	161.00	1.00	455337	0.684	Biotitic alteration	1%	
161.00	162.00	1.00	455338	0.436	Biotitic alteration	1%	
162.00	163.00	1.00	455339	1.021	Biotitic alteration	0%	
163.00	164.00	1.00	455340	0.319	Biotitic alteration	1%	
164.00	165.00	1.00	455341	0.093	Biotitic alteration	1%	
165.00	166.00	1.00	455342	0.060	Biotitic alteration	1%	
166.00	167.00	1.00	455343	0.182	Biotitic alteration	1%	
167.00	168.00	1.00	455344	0.219	Biotitic alteration	3%	
168.00	169.00	1.00	455345	0.857	Biotitic alteration	3%	
169.00	170.00	1.00	455346	0.195	Biotitic alteration	1%	
170.00	171.00	1.00	455347	0.262	Biotitic alteration	1%	
171.00	172.00	1.00	455349	0.529	Biotitic alteration	1%	
172.00	173.00	1.00	455351	0.312	Biotitic alteration	1%	
173.00	174.00	1.00	455352	0.588	Biotitic alteration	1%	
174.00	175.00	1.00	455353	0.170	Biotitic alteration	1%	
175.00	176.00	1.00	455354	0.162	Biotitic alteration	0%	
176.00	177.00	1.00	455355	0.377	Biotitic alteration	3%	
177.00	178.00	1.00	455356	0.086	Biotitic alteration	1%	
178.00	179.00	1.00	455357	0.068	Biotitic alteration	1%	
179.00	180.00	1.00	455358	0.070	Biotitic alteration	1%	Justin started rock description
180.00	181.00	1.00	455359	0.065	Biotitic alteration	0%	
181.00	182.00	1.00	455361	0.710	Biotitic alteration	2%	
182.00	183.00	1.00	455362	0.632	Biotitic alteration	2%	
183.00	184.00	1.00	455363	0.141	Biotitic alteration	2%	
184.00	185.00	1.00	455364	0.172	Biotitic alteration	1%	
185.00	186.00	1.00	455365	0.061	Biotitic alteration	1%	
186.00	187.55	1.55	455366	0.106	Biotitic alteration	1%	Alteration intensifies near end of sample.
187.55	189.00	1.45	455367	0.247	Biotitic alteration	5%	Carbonate alteration of plagioclase marginal marginal to qtz carb vein at approximately 188.25m.
189.00	190.00	1.00	455368	0.517	Biotitic alteration	90%	Weak carb alteration near carb-biotite veins.

190.00	191.00	1.00	455369	0.624	Biotitic alteration	1%	Silica-sericite alteration halos around qtz-biot veins at 190.12m and 190.67m.
191.00	192.00	1.00	455371	0.132	Biotitic alteration	2%	Pyrite mineralization associated with biotite clots.
192.00	193.00	1.00	455373	0.039	Biotitic alteration	3%	2.2cm qtz-cb vein at 192.49m.
193.00	194.00	1.00	455374	2.123	Sericitic alteration	4%	Mo mineralization from 193.28 to 193.52 in sericite-chlorite alteration halo of boudinaged qtz-cb vein.
194.00	195.00	1.00	455375	0.192	Biotitic alteration	2%	
195.00	196.00	1.00	455376	0.041	Biotitic alteration	2%	
196.00	197.00	1.00	455377	0.205	Sericitic alteration	1%	
197.00	198.00	1.00	455378	0.108	Sericitic alteration	1%	
198.00	199.00	1.00	455379	0.025	Sericitic alteration	1%	Few small specs of chalcopyrite in qtz-cb vein at 198.94m.
199.00	200.00	1.00	455380	0.186	Sericitic alteration	1%	Higher degree of silica and sericite alteration from 199.27m to 199.60m.
200.00	201.00	1.00	455381	0.357	Sericitic alteration	2%	1.5cm wide tonII dike with sericite alteration halo at 200.19m.
201.00	202.00	1.00	455382	0.080	Sericitic alteration	1%	
202.00	203.00	1.00	455383	0.033	Sericitic alteration	1%	Sericite alteration becomes stronger near the end of the sample.
203.00	204.00	1.00	455385	0.069	Sericitic alteration	1%	
204.00	205.00	1.00	455386	1.424	Sericitic alteration	1%	3cm wide rutile bearing tonalite dike at 204.34m.
205.00	206.00	1.00	455387	1.645	Sericitic alteration	2%	
206.00	207.24	1.24	455388	0.938	Sericitic alteration	2%	Hematite alteration is along with silica/albite alteration halo of qtz-cb-bt vein at 206.66m, Rutile is replacing titanite grains along margins of vein. halo is 15cm on each side of vein, LCT at end of sample.

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>207.24</b>	<b>208.29</b>	<b>Diorite</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
207.24	208.29	1.05	455389	0.013	Chloritic alteration	6%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>208.29</b>	<b>223.05</b>	<b>Tonalite</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
208.29	210.00	1.71	455391	0.044	Sericitic alteration	2%	
210.00	211.00	1.00	455392	0.057	Sericitic alteration	1%	
211.00	212.00	1.00	455393	0.148	Sericitic alteration	60%	A 3x5x5 cm diorite fragment at 211.01m. Albite alteration halo from 211.44m to 211.6m.

212.00	213.00	1.00	455394	0.483	Sericitic alteration	3%	2cm BO-CB vein brecciating wallrock at from 212.86m to 213m
213.00	214.00	1.00	455395	0.413	Sericitic alteration	1%	
214.00	215.00	1.00	455397	0.559	Sericitic alteration	1%	Albite alteration halo around fractures from 214.27 to 214.47 and from 214.79 to 214,96.
215.00	216.00	1.00	455398	0.463	Sericitic alteration	2%	Sericite alteration halo around BO-SR veins.
216.00	217.00	1.00	455399	0.645	Sericitic alteration	3%	0.5cm wide BO-CB vein from 216m to 216.46m.
217.00	218.00	1.00	455400	0.665	Sericitic alteration	2%	Weak carbonate alteration near fractures from 217.1m to 217.31m.
218.00	219.00	1.00	455401	1.045	Sericitic alteration	2%	Silica/Albite alteration halo around 1cm qtz-cb-biot-chl vein from 218.65m to 219m.
219.00	220.00	1.00	455402	2.864	Sericitic alteration	1%	
220.00	221.00	1.00	455403	1.013	Sericitic alteration	1%	
221.00	222.00	1.00	455404	0.180	Sericitic alteration	1%	Silica alteration gradually becomes stronger towards the end of the sample.
222.00	223.05	1.05	455405	0.646	Sericitic alteration	13%	MO mineralization along the margin and inside a 2.5cm qtz-carb-chl vein at 222.385m. A 7.5cm wide qtz-cb-chl-py vein from 222.955m to 223.03m.

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>223.05</b>	<b>225.41</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
223.05	224.00	0.95	455406	0.020	Chloritic alteration	2%	Banding of carbonate with deformation. Fine grained near LCT with Ton.
224.00	225.41	1.41	455407	0.032	Chloritic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>225.41</b>	<b>227.27</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
225.41	226.30	0.89	455408	0.265	Sericitic alteration	5%	Hematite alteration halo around qtz-carb-biot veins.
226.30	227.27	0.97	455409	0.546	Sericitic alteration	4%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>227.27</b>	<b>228.01</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
227.27	228.01	0.74	455411	0.180	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>228.01</b>	<b>244.89</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments



228.01	229.00	0.99	455413	0.021	Sericitic alteration	2%	3cm wide chl-qtz-cb vein at 228.5m.
229.00	230.00	1.00	455414	0.179	Sericitic alteration	1%	Biotite alteration halo near qtz-cb-chl-bt vein at 229.91m.
230.00	231.00	1.00	455415	0.275	Sericitic alteration	1%	
231.00	232.00	1.00	455416	0.382	Sericitic alteration	1%	
232.00	233.00	1.00	455417	0.325	Sericitic alteration	1%	
233.00	234.00	1.00	455418	0.732	Sericitic alteration	1%	
234.00	235.00	1.00	455419	0.170	Biotitic alteration	0%	
235.00	236.00	1.00	455420	0.322	Biotitic alteration	1%	
236.00	237.00	1.00	455421	0.272	Biotitic alteration	1%	
237.00	237.76	0.76	455422	0.142	Sericitic alteration	0%	0.4cm qtz-cb vein with diffuse contact with tonalite.
237.76	239.00	1.24	455423	0.445	Sericitic alteration	3%	
239.00	240.00	1.00	455425	0.691	Sericitic alteration	2%	
240.00	241.00	1.00	455426	0.497	Sericitic alteration	1%	
241.00	242.00	1.00	455427	0.530	Sericitic alteration	1%	
242.00	243.00	1.00	455428	0.060	Sericitic alteration	1%	
243.00	244.00	1.00	455429	0.149	Sericitic alteration	0%	
244.00	244.89	0.89	455431	0.290	Sericitic alteration	4%	Silica alteration halo around 2.5cm qtz-cb-chl-bt vein at 244.79m.

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>244.89</b>	<b>247.51</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
244.89	246.00	1.11	455432	0.013	Chloritic alteration	2%	
246.00	247.51	1.51	455433	0.011	Chloritic alteration	7%	4cm of tonalite in sample

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>247.51</b>	<b>259.01</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
247.51	248.00	0.49	455434	0.099	Sericitic alteration	60%	Silica alteration halo near 0.1cm biot-chl-py vein at 247.61m.
248.00	249.00	1.00	455435	11.700	Sericitic alteration	2%	3 specs of VG in 1.2cm qtz-cb-biot vein at 248.65m.
249.00	250.00	1.00	455437	0.453	Sericitic alteration	1%	
250.00	251.00	1.00	455438	0.121	Sericitic alteration	1%	
251.00	252.00	1.00	455439	0.546	Sericitic alteration	2%	
252.00	252.77	0.77	455440	0.537	Sericitic alteration	2%	
252.77	254.00	1.23	455441	0.671	Sericitic alteration	2%	
254.00	255.08	1.08	455442	0.172	Sericitic alteration	1%	
255.08	256.00	0.92	455443	0.666	Sericitic alteration	1%	
256.00	257.00	1.00	455444	1.140	Sericitic alteration	2%	
257.00	258.00	1.00	455445	0.147	Sericitic alteration	1%	
258.00	259.01	1.01	455446	0.597	Sericitic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>259.01</b>	<b>259.74</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
259.01	259.74	0.73	455447	0.018	Chloritic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>259.74</b>	<b>296.41</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
259.74	261.00	1.26	455449	0.110	Sericitic alteration	1%	
261.00	262.00	1.00	455451	0.320	Sericitic alteration	1%	
262.00	263.00	1.00	455452	0.069	Sericitic alteration	1%	
263.00	264.00	1.00	455453	0.110	Sericitic alteration	2%	
264.00	265.00	1.00	455454	0.303	Sericitic alteration	0%	
265.00	266.11	1.11	455455	0.083	Sericitic alteration	2%	
266.11	267.00	0.89	455456	0.262	Sericitic alteration	1%	
267.00	268.00	1.00	455457	0.869	Sericitic alteration	2%	
268.00	269.00	1.00	455458	1.212	Sericitic alteration	1%	
269.00	270.00	1.00	455459	0.290	Sericitic alteration	1%	
270.00	271.00	1.00	455461	1.455	Sericitic alteration	2%	
271.00	272.00	1.00	455462	2.852	Sericitic alteration	3%	
272.00	273.00	1.00	455463	0.437	Sericitic alteration	2%	
273.00	274.00	1.00	455464	0.145	Sericitic alteration	1%	
274.00	275.00	1.00	455465	0.323	Sericitic alteration	2%	AS Start logging
275.00	276.05	1.05	455466	0.488	Sericitic alteration	3%	
276.05	277.00	0.95	455467	0.908	Sericitic alteration	1%	
277.00	278.00	1.00	455468	0.233	Sericitic alteration	1%	
278.00	279.00	1.00	455469	2.245	Sericitic alteration	1%	
279.00	280.09	1.09	455471	4.720	Sericitic alteration	1%	
280.09	281.00	0.91	455473	0.346	Sericitic alteration	1%	
281.00	282.00	1.00	455474	0.242	Sericitic alteration	2%	
282.00	283.00	1.00	455475	0.261	Sericitic alteration	1%	
283.00	284.00	1.00	455476	0.290	Sericitic alteration	2%	
284.00	285.00	1.00	455477	0.166	Sericitic alteration	2%	
285.00	286.00	1.00	455478	0.177	Sericitic alteration	5%	
286.00	287.50	1.50	455479	0.248	Sericitic alteration	4%	
287.50	289.00	1.50	455480	0.632	Sericitic alteration	3%	
289.00	289.78	0.78	455481	2.164	Sericitic alteration	10%	
289.78	290.31	0.53	455482	28.300	Sericitic alteration	95%	
290.31	291.00	0.69	455485	0.450	Sericitic alteration	2%	
291.00	292.00	1.00	455486	0.200	Sericitic alteration	5%	
292.00	293.00	1.00	455487	0.667	Sericitic alteration	2%	
293.00	294.00	1.00	455488	0.943	Sericitic alteration	4%	
294.00	295.00	1.00	455489	0.735	Sericitic alteration	5%	

295.00	296.41	1.41	455491	0.093	Sericitic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>296.41</b>	<b>297.22</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
296.41	297.22	0.81	455492	0.733	Chloritic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>297.22</b>	<b>302.30</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
297.22	298.17	0.95	455493	0.359	Sericitic alteration	3%	
298.17	299.00	0.83	455494	0.429	Sericitic alteration	1%	
299.00	300.00	1.00	455495	0.238	Sericitic alteration	4%	
300.00	301.00	1.00	455497	0.105	Sericitic alteration	1%	
301.00	302.30	1.30	455498	0.328	Sericitic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>302.30</b>	<b>304.28</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
302.30	303.30	1.00	455499	0.564	Chloritic alteration	0%	BX throughout
303.30	304.28	0.98	455500	0.845	Chloritic alteration	1%	BX throughout
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>304.28</b>	<b>305.04</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
304.28	305.04	0.76	842251	0.517	Sericitic alteration	1%	dominantly tonalite with a few cm of BX
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>305.04</b>	<b>307.73</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
305.04	306.00	0.96	842252	0.487	Chloritic alteration	1%	dominantly Bx with 20cm patch of ton
306.00	307.00	1.00	842253	0.639	Chloritic alteration	2%	Approx 70% Bx
307.00	307.73	0.73	842254	0.772	Chloritic alteration	2%	more tonalite with lesser Bx but consistent patches
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>307.73</b>	<b>316.53</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
307.73	309.00	1.27	842255	0.913	Sericitic alteration	7%	possible mnr overprinted bx
309.00	310.00	1.00	842256	1.166	Sericitic alteration	9%	
310.00	311.00	1.00	842257	1.079	Sericitic alteration	5%	
311.00	312.00	1.00	842258	0.523	Sericitic alteration	5%	mnr bx patch
312.00	313.16	1.16	842259	0.202	Sericitic alteration	6%	
313.16	314.00	0.84	842261	0.206	Sericitic alteration	1%	
314.00	315.23	1.23	842262	0.280	Sericitic alteration	8%	
315.23	316.53	1.30	842263	0.047	Chloritic alteration	8%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>316.53</b>	<b>318.23</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
316.53	317.40	0.87	842264	0.005	Unaltered	1%	med grey, mod-st shrd
317.40	318.23	0.83	842265	0.005	Unaltered	5%	med grey, mod-st shrd
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>318.23</b>	<b>340.25</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
318.23	319.00	0.77	842266	0.092	Sericitic alteration	10%	
319.00	320.00	1.00	842267	0.058	Sericitic alteration	5%	
320.00	321.00	1.00	842268	0.092	Sericitic alteration	3%	
321.00	321.87	0.87	842269	0.272	Sericitic alteration	3%	
321.87	322.90	1.03	842271	3.260	Chloritic alteration	9%	4 specks vg in QCC Cpy Py Vn
322.90	324.00	1.10	842273	0.170	Chloritic alteration	3%	
324.00	325.00	1.00	842274	0.092	Chloritic alteration	2%	
325.00	326.00	1.00	842275	0.124	Chloritic alteration	1%	
326.00	327.00	1.00	842276	0.995	Chloritic alteration	1%	
327.00	328.00	1.00	842277	0.529	Chloritic alteration	4%	
328.00	329.00	1.00	842278	0.150	Chloritic alteration	3%	
329.00	330.00	1.00	842279	0.347	Chloritic alteration	2%	
330.00	331.00	1.00	842280	0.279	Chloritic alteration	3%	
331.00	332.00	1.00	842281	0.134	Chloritic alteration	3%	
332.00	333.00	1.00	842282	0.368	Chloritic alteration	1%	
333.00	334.02	1.02	842283	0.315	Silicified	1%	
334.02	335.00	0.98	842285	0.775	Silicified	1%	
335.00	335.75	0.75	842286	0.794	Silicified	1%	
335.75	336.50	0.75	842287	1.497	Silicified	1%	
336.50	337.25	0.75	842288	1.296	Silicified	2%	
337.25	337.87	0.62	842289	0.262	Silicified	1%	
337.87	338.90	1.03	842291	0.336	Silicified	6%	
338.90	340.25	1.35	842293	0.436	Silicified	4%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>340.25</b>	<b>341.41</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
340.25	341.41	1.16	842294	0.132	Biotitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>341.41</b>	<b>347.39</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
341.41	342.75	1.34	842295	0.538	Silicified	1%	
342.75	344.00	1.25	842297	1.007	Silicified	1%	
344.00	345.00	1.00	842298	0.762	Silicified	1%	
345.00	346.00	1.00	842299	0.347	Silicified	1%	

346.00	347.39	1.39	842300	0.366	Silicified	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>347.39</b>	<b>348.57</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
347.39	348.57	1.18	842301	0.327	Chloritic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>348.57</b>	<b>358.68</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
348.57	349.30	0.73	842302	0.190	Silicified	1%	
349.30	350.04	0.74	842303	3.690	Silicified	10%	
350.04	351.00	0.96	842304	0.265	Silicified	5%	
351.00	352.00	1.00	842305	0.204	Silicified	4%	
352.00	353.00	1.00	842306	0.272	Silicified	3%	
353.00	354.00	1.00	842307	0.252	Silicified	5%	
354.00	355.00	1.00	842308	0.580	Silicified	5%	
355.00	356.00	1.00	842309	0.505	Silicified	6%	
356.00	357.25	1.25	842311	0.318	Silicified	2%	
357.25	358.68	1.43	842313	0.170	Silicified	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>358.68</b>	<b>361.17</b>		<b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
358.68	360.00	1.32	842314	0.065	Unaltered	1%	
360.00	361.17	1.17	842315	0.015	Unaltered	0%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>361.17</b>	<b>365.43</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
361.17	362.00	0.83	842316	0.336	Silicified	9%	
362.00	363.00	1.00	842317	0.253	Silicified	9%	
363.00	364.00	1.00	842318	0.349	Silicified	2%	
364.00	365.43	1.43	842319	0.877	Silicified	7%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>365.43</b>	<b>366.66</b>		<b>Mafic Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
365.43	366.66	1.23	842320	0.070	Unaltered	20%	10cm mnr int of tnlt in middle, 20+cm vn at lower ct
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>366.66</b>	<b>370.84</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
366.66	368.00	1.34	842321	0.238	Sericitic alteration	1%	
368.00	369.00	1.00	842322	0.264	Sericitic alteration	3%	
369.00	370.00	1.00	842323	1.304	Sericitic alteration	1%	
370.00	370.84	0.84	842325	1.744	Sericitic alteration	4%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>370.84</b>	<b>372.61</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
370.84	371.75	0.91	842326	0.269	Unaltered	4%	
371.75	372.61	0.86	842327	1.803	Unaltered	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>372.61</b>	<b>373.53</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
372.61	373.53	0.92	842328	2.198	Sericitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>373.53</b>	<b>374.81</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
373.53	374.81	1.28	842329	0.712	Chloritic alteration	19%	sheared at low angle to CA, with abundant veining and py min asp
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>374.81</b>	<b>379.26</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
374.81	376.00	1.19	842331	1.146	Sericitic alteration	3%	
376.00	377.00	1.00	842332	0.592	Sericitic alteration	1%	
377.00	378.00	1.00	842333	0.863	Sericitic alteration	4%	
378.00	379.26	1.26	842334	0.595	Sericitic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>379.26</b>	<b>381.47</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
379.26	380.50	1.24	842335	1.308	Unaltered	7%	
380.50	381.47	0.97	842337	0.104	Chloritic alteration	8%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>381.47</b>	<b>390.30</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
381.47	382.19	0.72	842338	0.202	Silicified	23%	sheared tonalite at contact to mfc dyke w/ extensive veining and min
382.19	383.00	0.81	842339	1.178	Sericitic alteration	2%	
383.00	384.00	1.00	842340	0.838	Sericitic alteration	2%	
384.00	385.00	1.00	842341	0.228	Sericitic alteration	2%	
385.00	386.00	1.00	842342	0.762	Sericitic alteration	3%	
386.00	387.00	1.00	842343	1.040	Sericitic alteration	12%	
387.00	388.00	1.00	842344	0.566	Sericitic alteration	2%	
388.00	389.00	1.00	842345	0.508	Sericitic alteration	1%	
389.00	390.30	1.30	842346	0.390	Sericitic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>390.30</b>	<b>391.55</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
390.30	391.55	1.25	842347	0.030	Unaltered	5%	22cm tonalite interval in middle
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>391.55</b>	<b>425.75</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
391.55	393.00	1.45	842349	0.417	Sericitic alteration	2%	
393.00	394.00	1.00	1080001	1.052	Sericitic alteration	1%	
394.00	395.00	1.00	1080002	1.303	Sericitic alteration	1%	
395.00	396.00	1.00	1080003	0.731	Sericitic alteration	0%	
396.00	397.00	1.00	1080004	0.427	Sericitic alteration	6%	
397.00	398.00	1.00	1080005	0.339	Sericitic alteration	2%	
398.00	399.00	1.00	1080006	0.466	Sericitic alteration	1%	
399.00	400.17	1.17	1080007	0.438	Sericitic alteration	7%	
400.17	401.00	0.83	1080008	0.265	Chloritic alteration	4%	mnr mfc dyke in interval approx 40cm
401.00	402.00	1.00	1080009	0.624	Chloritic alteration	1%	
402.00	403.00	1.00	1080011	0.954	Sericitic alteration	1%	
403.00	404.00	1.00	1080013	0.514	Chloritic alteration	7%	
404.00	405.00	1.00	1080014	0.942	Chloritic alteration	3%	
405.00	406.00	1.00	1080015	0.438	Chloritic alteration	3%	
406.00	407.00	1.00	1080016	0.328	Biotitic alteration	1%	
407.00	408.00	1.00	1080017	0.159	Biotitic alteration	1%	
408.00	409.00	1.00	1080018	2.747	Chloritic alteration	4%	
409.00	410.00	1.00	1080019	0.508	Chloritic alteration	2%	
410.00	411.00	1.00	1080020	0.507	Chloritic alteration	2%	
411.00	412.00	1.00	1080021	0.192	Chloritic alteration	3%	
412.00	413.00	1.00	1080022	0.941	Chloritic alteration	1%	
413.00	414.00	1.00	1080023	0.802	Chloritic alteration	1%	
414.00	415.00	1.00	1080025	0.524	Chloritic alteration	0%	
415.00	416.00	1.00	1080026	1.012	Chloritic alteration	2%	
416.00	417.00	1.00	1080027	0.244	Chloritic alteration	2%	
417.00	418.00	1.00	1080028	0.967	Chloritic alteration	5%	
418.00	419.00	1.00	1080029	0.746	Chloritic alteration	1%	
419.00	420.00	1.00	1080031	1.015	Chloritic alteration	6%	
420.00	421.00	1.00	1080032	0.730	Chloritic alteration	2%	
421.00	422.00	1.00	1080033	0.931	Chloritic alteration	1%	
422.00	423.00	1.00	1080034	0.454	Chloritic alteration	2%	
423.00	424.00	1.00	1080035	0.576	Chloritic alteration	3%	
424.00	425.00	1.00	1080037	0.303	Chloritic alteration	2%	
425.00	425.75	0.75	1080038	0.267	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>425.75</b>	<b>426.44</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
425.75	426.44	0.69	1080039	0.014	Unaltered	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>426.44</b>	<b>427.61</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
426.44	427.61	1.17	1080040	1.807	Chloritic alteration	11%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>427.61</b>	<b>433.05</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
427.61	429.00	1.39	1080041	0.014	Unaltered	1%	
429.00	430.50	1.50	1080042	0.008	Unaltered	2%	
430.50	432.00	1.50	1080043	0.017	Unaltered	1%	
432.00	433.05	1.05	1080044	0.011	Unaltered	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>433.05</b>	<b>462.33</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
433.05	434.00	0.95	1080045	0.695	Chloritic alteration	4%	30cm minor md in interval
434.00	435.00	1.00	1080046	1.543	Chloritic alteration	2%	
435.00	436.00	1.00	1080047	1.301	Chloritic alteration	1%	
436.00	437.00	1.00	1080049	1.378	Chloritic alteration	2%	
437.00	438.00	1.00	1080051	0.873	Chloritic alteration	2%	
438.00	439.00	1.00	1080052	0.612	Chloritic alteration	2%	
439.00	439.76	0.76	1080053	1.328	Chloritic alteration	1%	
439.76	440.89	1.13	1080054	0.842	Chloritic alteration	36%	Shear zone w/ extensive veining
440.89	442.00	1.11	1080055	1.401	Sericitic alteration	2%	
442.00	443.00	1.00	1080056	1.089	Sericitic alteration	2%	
443.00	444.00	1.00	1080057	0.730	Sericitic alteration	0%	
444.00	445.00	1.00	1080058	0.227	Sericitic alteration	1%	
445.00	446.00	1.00	1080059	0.655	Sericitic alteration	1%	
446.00	447.00	1.00	1080061	0.447	Sericitic alteration	0%	
447.00	448.00	1.00	1080062	2.045	Sericitic alteration	3%	
448.00	449.00	1.00	1080063	0.658	Sericitic alteration	1%	
449.00	450.00	1.00	1080064	0.547	Sericitic alteration	1%	
450.00	451.00	1.00	1080065	0.897	Sericitic alteration	1%	
451.00	452.00	1.00	1080066	0.077	Sericitic alteration	5%	
452.00	453.00	1.00	1080067	0.456	Sericitic alteration	1%	
453.00	454.00	1.00	1080068	0.137	Sericitic alteration	1%	
454.00	455.00	1.00	1080069	0.157	Sericitic alteration	2%	
455.00	456.00	1.00	1080071	0.449	Sericitic alteration	8%	
456.00	457.00	1.00	1080073	0.446	Sericitic alteration	1%	



457.00	458.00	1.00	1080074	0.365	Sericitic alteration	7%	
458.00	459.00	1.00	1080075	0.192	Sericitic alteration	22%	
459.00	460.00	1.00	1080076	0.063	Sericitic alteration	1%	
460.00	461.00	1.00	1080077	0.146	Sericitic alteration	3%	
461.00	462.33	1.33	1080078	0.045	Sericitic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>462.33</b>	<b>464.56</b>		<b>Mafic Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
462.33	463.50	1.17	1080079	0.095	Unaltered	4%	
463.50	464.56	1.06	1080080	0.044	Unaltered	10%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>464.56</b>	<b>468.73</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
464.56	465.50	0.94	1080081	0.169	Sericitic alteration	1%	
465.50	466.50	1.00	1080082	0.006	Sericitic alteration	0%	
466.50	467.50	1.00	1080083	0.071	Sericitic alteration	0%	
467.50	468.73	1.23	1080085	0.300	Chloritic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>468.73</b>	<b>470.16</b>		<b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
468.73	470.16	1.43	1080086	0.005	Unaltered	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>470.16</b>	<b>473.84</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
470.16	471.00	0.84	1080087	0.007	Sericitic alteration	0%	
471.00	472.00	1.00	1080088	0.483	Sericitic alteration	2%	
472.00	473.00	1.00	1080089	0.669	Sericitic alteration	24%	Possible electrum in duplicate sample - blank inserted after dup
473.00	473.84	0.84	1080092	0.379	Sericitic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>473.84</b>	<b>474.75</b>		<b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
473.84	474.75	0.91	1080093	0.011	Unaltered	6%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>474.75</b>	<b>476.20</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
474.75	476.20	1.45	1080094	0.273	Sericitic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>476.20</b>	<b>478.44</b>		<b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
476.20	477.00	0.80	1080095	0.029	Hematitic alteration	3%	18cm tnlt interval

477.00	478.44	1.44	1080097	0.011	Unaltered	6%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>478.44</b>	<b>478.85</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
478.44	478.85	0.41	1080098	0.104	Sericitic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>478.85</b>	<b>479.40</b>		<b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
478.85	479.40	0.55	1080099	0.005	Unaltered	4%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>479.40</b>	<b>486.48</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
479.40	480.00	0.60	1080100	0.179	Sericitic alteration	1%	
480.00	481.00	1.00	1080101	0.093	Sericitic alteration	3%	
481.00	482.00	1.00	1080102	0.174	Sericitic alteration	1%	
482.00	483.00	1.00	1080103	0.428	Sericitic alteration	2%	
483.00	484.00	1.00	1080104	0.639	Sericitic alteration	1%	
484.00	485.00	1.00	1080105	0.502	Sericitic alteration	1%	
485.00	485.80	0.80	1080106	0.213	Sericitic alteration	1%	
485.80	486.48	0.68	1080107	0.289	Sericitic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>486.48</b>	<b>487.63</b>		<b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
486.48	487.63	1.15	1080108	0.134	Unaltered	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>487.63</b>	<b>500.36</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
487.63	489.00	1.37	1080109	0.721	Sericitic alteration	3%	
489.00	490.00	1.00	1080111	0.807	Sericitic alteration	4%	
490.00	491.00	1.00	1080113	0.351	Sericitic alteration	2%	
491.00	492.00	1.00	1080114	0.120	Sericitic alteration	2%	
492.00	493.00	1.00	1080115	0.214	Sericitic alteration	2%	
493.00	494.00	1.00	1080116	0.194	Sericitic alteration	1%	
494.00	495.00	1.00	1080117	0.338	Sericitic alteration	1%	
495.00	495.90	0.90	1080118	0.221	Sericitic alteration	2%	
495.90	497.00	1.10	1080119	0.317	Sericitic alteration	1%	
497.00	498.00	1.00	1080120	0.410	Sericitic alteration	1%	
498.00	499.00	1.00	1080121	0.108	Sericitic alteration	1%	
499.00	500.36	1.36	1080122	0.197	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>500.36</b>	<b>504.65</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
500.36	501.00	0.64	1080123	0.015	Unaltered	1%	
501.00	502.00	1.00	1080125	0.025	Unaltered	1%	
502.00	503.00	1.00	1080126	0.011	Unaltered	1%	
503.00	504.00	1.00	1080127	0.005	Unaltered	1%	
504.00	504.65	0.65	1080128	0.011	Unaltered	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>504.65</b>	<b>510.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
504.65	506.00	1.35	1080129	0.212	Sericitic alteration	3%	
506.00	507.00	1.00	1080131	0.079	Sericitic alteration	1%	
507.00	508.00	1.00	1080132	0.079	Sericitic alteration	1%	
508.00	509.00	1.00	1080133	0.109	Sericitic alteration	1%	
509.00	510.00	1.00	1080134	0.024	Sericitic alteration	1%	

# DRILL HOLE REPORT

Drill Hole **GOS20-38** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 330.0  
 Dip -60.0  
 Length 426.0 m  
 Started 23-Feb-20  
 Completed 03-Mar-20  
 Logged 27-Mar-20  
 Logged by Brian Tomczuk

Company  
 Contractor NPLH  
 Position  
 Bore Size NQ  
 Sample Storage Klondike Lodge  
 Casing STEEL  
 Condition Cemented

Survey Details:

Claim Number PAT-11121  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Single-shot (unspecified)  
 Coord Survey Tool DGPS

Coordinates:

Target  
 Comments logged by laurent from 215.5

Easting 431116.50  
 UTM Datum NAD83 Northing 5267597.02  
 UTM Zone 17 Elevation 381.01

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
39.0	334.61	-59.60				96.0	334.33	-59.97			
42.0	336.45	-59.61				102.0	335.82	-59.49			
48.0	334.56	-59.61				111.0	336.27	-59.48			
54.0	335.20	-59.61				117.0	334.36	-59.50			
57.0	336.48	-59.60				123.0	334.31	-59.48			
60.0	333.83	-59.57				126.0	336.71	-59.63			
69.0	336.16	-59.71				135.0	335.80	-59.59			
72.0	336.13	-59.65				138.0	333.77	-59.54			
81.0	334.82	-59.56				144.0	335.49	-59.91			
90.0	334.74	-59.58				150.0	335.21	-59.53			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
156.0	334.79	-59.49			
165.0	335.77	-59.45			
168.0	334.90	-59.43			
177.0	336.89	-59.42			
186.0	332.06	-59.23			
207.0	334.50	-59.39			
210.0	335.01	-59.43			
216.0	337.28	-59.47			
225.0	334.47	-59.38			
228.0	336.35	-59.42			
237.0	332.16	-59.42			
246.0	333.31	-59.51			
258.0	331.77	-59.34			
261.0	329.26	-59.22			
264.0	328.98	-59.22			
267.0	330.31	-59.30			
276.0	337.37	-59.64			
279.0	336.01	-59.50			
285.0	335.59	-59.44			
291.0	336.67	-59.44			
294.0	336.26	-59.79			
297.0	333.99	-59.45			
306.0	334.94	-59.46			
312.0	330.49	-59.33			
321.0	336.18	-59.35			
327.0	331.69	-59.56			
333.0	332.44	-59.19			
336.0	334.32	-59.62			
339.0	336.69	-59.23			
348.0	334.73	-59.26			
354.0	337.93	-59.40			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
360.0	334.90	-59.27			
363.0	336.51	-59.63			
375.0	335.61	-59.17			
384.0	329.21	-58.89			
390.0	327.27	-58.87			
414.0	334.74	-58.79			
417.0	334.90	-58.74			

From	To	Lithologic Group					
0.00	12.00	Overburden					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	12.00	12.00			Unaltered	0%	
From	To	Lithologic Group					
12.00	14.00	Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
12.00	13.00	1.00	1077001	0.011	Silicified	3%	25cm of dr DrBx at start of sample
13.00	14.00	1.00	1077002	0.018	Silicified	3%	Mo in vein at 13.96m
From	To	Lithologic Group					
14.00	57.12	Diorite Breccia					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
14.00	15.00	1.00	1077003	0.005	Silicified	1%	90% tonalite and diorite fragments
15.00	16.00	1.00	1077004	0.071	Biotitic alteration	1%	40% Ton and Dr frag. Py is in the Dr frags.
16.00	17.00	1.00	1077005	0.019	Biotitic alteration	2%	85% Ton and Dr frag.
17.00	18.00	1.00	1077006	0.011	Chloritic alteration	1%	As above.
18.00	19.00	1.00	1077007	0.021	Chloritic alteration	1%	35% Ton and Dr frag.
19.00	20.02	1.02	1077008	0.045	Chloritic alteration	2%	55% Ton and Dr frag.
20.02	21.00	0.98	1077009	0.014	Chloritic alteration	2%	65% Ton and Dr frag.
21.00	21.57	0.57	1077011	0.054	Chloritic alteration	3%	70 % Ton and Dr frag.
21.57	22.94	1.37	1077013	0.046	Chloritic alteration	1%	100% Mx.
22.94	24.00	1.06	1077014	0.012	Biotitic alteration	10%	60% Ton and Dr frag.Mx being brecciated again?
24.00	24.98	0.98	1077015	0.018	Biotitic alteration	1%	90 Ton and Dr frag.
24.98	26.00	1.02	1077016	0.005	Biotitic alteration	2%	90% Ton and Dr frag.
26.00	27.00	1.00	1077017	2.104	Biotitic alteration	1%	50% Ton and Dr frag.
27.00	28.00	1.00	1077018	0.036	Biotitic alteration	2%	70% Ton and Dr frag.
28.00	29.07	1.07	1077019	0.043	Biotitic alteration	4%	50% Ton and Dr frag.
29.07	29.56	0.49	1077020	0.021	Biotitic alteration	1%	100% Dr frag.
29.56	30.50	0.94	1077021	0.021	Chloritic alteration	1%	95% Ton and Dr frag.
30.50	31.39	0.89	1077022	0.046	Chloritic alteration	1%	90% Ton and Dr frag.
31.39	32.43	1.04	1077023	0.015	Chloritic alteration	1%	85% Ton and Dr frag.
32.43	33.10	0.67	1077025	0.029	Biotitic alteration	3%	10% Ton and Dr frag.
33.10	34.03	0.93	1077026	0.068	Biotitic alteration	3%	75% Ton and Dr frag.
34.03	34.72	0.69	1077027	0.201	Biotitic alteration	4%	2% Ton and Dr frag.
34.72	36.00	1.28	1077028	0.084	Silicified	1%	90% Ton and Dr frag.
36.00	37.00	1.00	1077029	0.034	Biotitic alteration	2%	80% Ton and Dr frag.

37.00	38.00	1.00	1077031	0.046	Biotitic alteration	2%	85% Ton and Dr frag.
38.00	39.00	1.00	1077032	0.683	Biotitic alteration	10%	85% Ton and Dr frag. Brecciated qtz-carb-chl vein at 38.01
39.00	40.00	1.00	1077033	0.023	Silicified	4%	87% Ton and Dr frag. Sr alt. mtv.
40.00	41.38	1.38	1077034	0.015	Biotitic alteration	4%	85% Ton and Dr frag.
41.38	42.24	0.86	1077035	0.021	Biotitic alteration	5%	5% Ton and Dr frag.
42.24	42.80	0.56	1077037	0.021	Silicified	2%	85% Ton and Dr frag.
42.80	43.93	1.13	1077038	0.127	Biotitic alteration	4%	70% Ton and Dr frag.
43.93	45.59	1.66	1077039	0.046	Biotitic alteration	4%	60% Ton and Dr frag.
45.59	46.75	1.16	1077040	0.020	Biotitic alteration	2%	100% Mx
46.75	48.10	1.35	1077041	0.018	Biotitic alteration	2%	3% Ton frag.
48.10	49.40	1.30	1077042	0.011	Silicified	4%	97% Ton Frag.
49.40	50.85	1.45	1077043	0.455	Biotitic alteration	3%	67% Ton and Dr frag.
50.85	52.00	1.15	1077044	0.027	Biotitic alteration	3%	80% Ton and Dr frag. 2 types of Ton frags.
52.00	52.84	0.84	1077045	0.050	Biotitic alteration	2%	75% Ton and Dr frag.
52.84	53.27	0.43	1077046	0.330	Biotitic alteration	3%	10% Ton and Dr frag.
53.27	54.25	0.98	1077047	0.037	Biotitic alteration	3%	60% Ton and Dr frag.
54.25	55.10	0.85	1077049	0.035	Chloritic alteration	1%	75% Ton and Dr frag.
55.10	55.95	0.85	1077051	0.050	Biotitic alteration	2%	70% Ton and Dr frag.
55.95	57.12	1.17	1077052	0.043	Biotitic alteration	5%	90% Ton and Dr frag. Mostly Ton frags.

From	To	Lithologic Group	
57.12	58.00	Diabase	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
57.12	58.00	0.88	1077053	0.005	Epidote alteration	0%	

From	To	Lithologic Group	
58.00	69.95	Tonalite	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
58.00	59.02	1.02	1077054	0.086	Silicified	2%	
59.02	60.00	0.98	1077055	0.236	Sericitic alteration	3%	
60.00	61.00	1.00	1077056	0.305	Sericitic alteration	1%	
61.00	62.00	1.00	1077057	2.800	Sericitic alteration	2%	
62.00	63.00	1.00	1077058	0.210	Sericitic alteration	2%	
63.00	63.72	0.72	1077059	0.072	Sericitic alteration	2%	
63.72	64.45	0.73	1077061	3.730	Sericitic alteration	20%	
64.45	65.50	1.05	1077062	0.135	Sericitic alteration	2%	
65.50	66.50	1.00	1077063	1.576	Sericitic alteration	1%	
66.50	67.50	1.00	1077064	0.052	Sericitic alteration	2%	
67.50	68.70	1.20	1077065	0.072	Sericitic alteration	2%	
68.70	69.95	1.25	1077066	0.167	Sericitic alteration	3%	

<b>From</b> 69.95	<b>To</b> 84.00	<b>Lithologic Group</b>					
<b>Diorite Breccia</b>							
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
69.95	71.00	1.05	1077067	0.018	Biotitic alteration	2%	20% Ton frg
71.00	72.00	1.00	1077068	0.066	Biotitic alteration	3%	5% Ton frg
72.00	73.00	1.00	1077069	0.381	Biotitic alteration	7%	40% Ton frg
73.00	74.00	1.00	1077071	0.041	Silicified	3%	98% Ton frg
74.00	75.00	1.00	1077073	0.085	Biotitic alteration	1%	70% Ton frg
75.00	76.00	1.00	1077074	0.600	Biotitic alteration	0%	40% Ton + Dr frg
76.00	77.00	1.00	1077075	0.169	Chloritic alteration	3%	80% Ton + Dr frg
77.00	78.00	1.00	1077076	0.081	Biotitic alteration	5%	75% Ton + Dr frg
78.00	79.00	1.00	1077077	0.079	Chloritic alteration	1%	40% Ton + Dr frg
79.00	80.00	1.00	1077078	0.079	Chloritic alteration	0%	40% Ton + Dr frg
80.00	81.00	1.00	1077079	0.013	Biotitic alteration	10%	80% Ton + Dr frg
81.00	82.00	1.00	1077080	0.115	Biotitic alteration	1%	40% Ton + Dr frg
82.00	82.70	0.70	1077081	0.083	Silicified	1%	90% Ton
82.70	83.45	0.75	1077082	2.560	Chloritic alteration	5%	2% Ton frg, looks like all chloritized mtx; vein hosted Mo
83.45	84.00	0.55	1077083	0.270	Biotitic alteration	2%	40% Ton frg
<b>From</b> 84.00	<b>To</b> 84.75	<b>Lithologic Group</b>					
<b>Diabase</b>							
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
84.00	84.75	0.75	1077085	0.009	Epidote alteration	0%	
<b>From</b> 84.75	<b>To</b> 105.35	<b>Lithologic Group</b>					
<b>Diorite Breccia</b>							
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
84.75	86.00	1.25	1077086	0.236	Biotitic alteration	3%	60% Ton + Dr frg
86.00	87.00	1.00	1077087	0.089	Biotitic alteration	2%	50% Ton + Dr frg
87.00	88.00	1.00	1077088	0.174	Biotitic alteration	6%	75% Ton + Dr frg
88.00	89.00	1.00	1077089	0.069	Biotitic alteration	1%	40% Ton frg
89.00	90.00	1.00	1077091	0.163	Biotitic alteration	4%	35% Ton frg
90.00	91.00	1.00	1077092	0.052	Chloritic alteration	1%	75% Ton frg
91.00	92.00	1.00	1077093	0.028	Chloritic alteration	0%	95% Ton + Dr frg
92.00	93.00	1.00	1077094	0.030	Chloritic alteration	2%	40% Ton frg
93.00	94.00	1.00	1077095	0.151	Chloritic alteration	1%	50% Ton frg
94.00	95.00	1.00	1077097	0.149	Chloritic alteration	0%	65% Ton frg
95.00	96.00	1.00	1077098	0.034	Chloritic alteration	2%	80% Ton frg
96.00	97.00	1.00	1077099	0.045	Chloritic alteration	0%	60% Ton + Dr frg
97.00	98.00	1.00	1077100	0.016	Chloritic alteration	1%	30% Ton + Dr frg
98.00	99.00	1.00	1077101	0.034	Chloritic alteration	0%	25% Ton + Dr frg
99.00	100.00	1.00	1077102	0.022	Chloritic alteration	0%	all dr
100.00	101.22	1.22	1077103	0.128	Chloritic alteration	2%	40% Ton frg



101.22	102.00	0.78	1077104	0.103	Chloritic alteration	0%	60% Ton frg
102.00	103.00	1.00	1077105	0.062	Chloritic alteration	0%	30% Ton + Dr frg, mtx more QDR
103.00	104.00	1.00	1077106	0.328	Chloritic alteration	4%	75% Ton frg
104.00	105.35	1.35	1077107	0.080	Chloritic alteration	4%	35% Ton frg
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>105.35</b>	<b>108.65</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
105.35	106.25	0.90	1077108	0.092	Chloritic alteration	1%	
106.25	107.00	0.75	1077109	0.197	Chloritic alteration	3%	
107.00	108.00	1.00	1077111	0.344	Chloritic alteration	1%	20cm tonalite fragment/dyke
108.00	108.65	0.65	1077113	0.030	Chloritic alteration	0%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>108.65</b>	<b>111.94</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
108.65	110.00	1.35	1077114	1.234	Sericitic alteration	3%	
110.00	111.00	1.00	1077115	2.702	Sericitic alteration	0%	
111.00	111.94	0.94	1077116	2.594	Sericitic alteration	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>111.94</b>	<b>113.30</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
111.94	113.30	1.36	1077117	0.070	Chloritic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>113.30</b>	<b>125.64</b>		<b>Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
113.30	114.00	0.70	1077118	0.045	Biotitic alteration	1%	70% Ton and Dr frags.
114.00	115.00	1.00	1077119	0.360	Biotitic alteration	2%	90 % Ton and Dr frags.
115.00	115.52	0.52	1077120	0.029	Biotitic alteration	1%	10% Ton and Dr frags.
115.52	116.00	0.48	1077121	0.047	Biotitic alteration	0%	95% Ton and Dr frags.
116.00	117.00	1.00	1077122	0.273	Biotitic alteration	1%	80% Ton and Dr frags.
117.00	118.00	1.00	1077123	0.049	Chloritic alteration	1%	75% Ton and Dr frags. 15 cm Dr dike cutting BXDR
118.00	119.00	1.00	1077125	0.094	Chloritic alteration	5%	70% Ton and Dr frags.
119.00	120.00	1.00	1077126	0.182	Chloritic alteration	1%	65% Ton and Dr frags.
120.00	121.00	1.00	1077127	0.131	Chloritic alteration	5%	95 % Ton and Dr frags.
121.00	122.00	1.00	1077128	0.202	Biotitic alteration	4%	55 % Ton and Dr frags.
122.00	123.00	1.00	1077129	0.245	Chloritic alteration	3%	98% Ton and Dr frags.
123.00	124.00	1.00	1077131	0.150	Chloritic alteration	1%	85% Ton and Dr frags.
124.00	125.00	1.00	1077132	0.046	Chloritic alteration	3%	95% Ton and Dr frags.
125.00	125.64	0.64	1077133	0.020	Biotitic alteration	4%	95% Ton and Dr frags.

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>125.64</b>	<b>127.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
125.64	127.00	1.36	1077134	0.160	Sericitic alteration	6%	all Ton. Large fragment
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>127.00</b>	<b>132.46</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
127.00	128.00	1.00	1077135	1.538	Biotitic alteration	3%	90% Ton and Dr frags.
128.00	129.00	1.00	1077137	0.141	Silicified	6%	87% Ton and Dr frags.
129.00	130.00	1.00	1077138	0.168	Biotitic alteration	8%	90% Ton and Dr frags.
130.00	131.00	1.00	1077139	0.147	Sericitic alteration	4%	93% Ton and Dr frags.
131.00	131.67	0.67	1077140	0.192	Silicified	2%	90% Ton and Dr frags.
131.67	132.46	0.79	1077141	0.037	Biotitic alteration	5%	5% Ton and Dr frags.
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>132.46</b>	<b>135.20</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
132.46	134.00	1.54	1077142	0.010	Chloritic alteration	5%	Fault zone
134.00	135.20	1.20	1077143	0.012	Chloritic alteration	6%	Fault zone
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>135.20</b>	<b>136.58</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
135.20	136.00	0.80	1077144	0.562	Biotitic alteration	1%	55% Ton and Dr frags.
136.00	136.58	0.58	1077145	0.019	Biotitic alteration	2%	40% Ton and Dr frags.
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>136.58</b>	<b>137.04</b>	<b>Diabase</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
136.58	137.04	0.46	1077146	0.005	Epidote alteration	1%	sharp chilled contacts.
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>137.04</b>	<b>147.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
137.04	138.00	0.96	1077147	0.262	Biotitic alteration	2%	10% Ton and Dr frags. Epidote alt. near diabase
138.00	139.00	1.00	1077149	0.052	Chloritic alteration	2%	65% Ton and Dr frags.
139.00	140.00	1.00	1077151	0.049	Chloritic alteration	2%	30% Ton and Dr frags.
140.00	141.00	1.00	1077152	0.241	Chloritic alteration	3%	40% Ton and Dr frags.
141.00	142.00	1.00	1077153	0.393	Biotitic alteration	4%	3% Ton frags.
142.00	143.04	1.04	1077154	0.111	Biotitic alteration	2%	5% Ton frags.
143.04	144.00	0.96	1077155	0.095	Biotitic alteration	2%	all matrix
144.00	145.00	1.00	1077156	0.082	Biotitic alteration	3%	all matrix
145.00	146.00	1.00	1077157	11.900	Biotitic alteration	20%	all matrix, py in alt halo of large vein.
146.00	147.00	1.00	1077158	0.168	Biotitic alteration	2%	18% Ton frag.

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>147.00</b>	<b>149.00</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
147.00	148.00	1.00	1077159	0.198	Biotitic alteration	3%	all matrix
148.00	149.00	1.00	1077161	0.118	Biotitic alteration	11%	all matrix
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>149.00</b>	<b>151.30</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
149.00	150.00	1.00	1077162	0.310	Biotitic alteration	1%	5% Ton frg.
150.00	151.30	1.30	1077163	0.232	Biotitic alteration	3%	65% Ton and Dr frgs.
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>151.30</b>	<b>159.42</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
151.30	152.00	0.70	1077164	0.238	Silicified	1%	
152.00	153.00	1.00	1077165	0.213	Sericitic alteration	1%	
153.00	154.00	1.00	1077166	0.786	Sericitic alteration	2%	
154.00	155.00	1.00	1077167	0.142	Sericitic alteration	4%	
155.00	156.00	1.00	1077168	2.205	Sericitic alteration	4%	stronger py min in alt halo.
156.00	157.00	1.00	1077169	0.132	Sericitic alteration	1%	2 Dr frags under 10cm
157.00	158.00	1.00	1077171	0.296	Sericitic alteration	2%	
158.00	159.42	1.42	1077173	0.301	Sericitic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>159.42</b>	<b>159.94</b>	<b>Diabase</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
159.42	159.94	0.52	1077174	0.019	Epidote alteration	2%	epidote altered plag. Sharp and chilled contact. Very fine grained
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>159.94</b>	<b>179.40</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
159.94	161.00	1.06	1077175	0.068	Sericitic alteration	8%	
161.00	162.00	1.00	1077176	0.778	Sericitic alteration	2%	
162.00	163.00	1.00	1077177	0.530	Sericitic alteration	2%	
163.00	164.26	1.26	1077178	0.119	Sericitic alteration	3%	Sample 1077179 is a blank inserted after sample 1077157
164.26	165.31	1.05	1077180	0.392	Sericitic alteration	3%	Sheared tonalite
165.31	166.00	0.69	1077181	0.710	Sericitic alteration	0%	
166.00	167.06	1.06	1077182	0.315	Sericitic alteration	2%	
167.06	168.00	0.94	1077183	0.063	Sericitic alteration	1%	
168.00	169.09	1.09	1077185	0.616	Sericitic alteration	4%	
169.09	170.00	0.91	1077186	0.943	Sericitic alteration	6%	
170.00	171.00	1.00	1077187	0.425	Sericitic alteration	1%	
171.00	172.00	1.00	1077188	0.625	Sericitic alteration	7%	

172.00	172.94	0.94	1077189	1.172	Sericitic alteration	2%
172.94	173.44	0.50	1077191	2.220	Sericitic alteration	2%
173.44	174.00	0.56	1077192	0.856	Sericitic alteration	6%
174.00	175.00	1.00	1077193	0.605	Sericitic alteration	0%
175.00	176.00	1.00	1077194	0.194	Sericitic alteration	5%
176.00	177.00	1.00	1077195	0.134	Sericitic alteration	2%
177.00	178.00	1.00	1077197	0.308	Sericitic alteration	3%
178.00	179.40	1.40	1077198	0.352	Sericitic alteration	6%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>179.40</b>	<b>180.61</b>	<b>Tonalite 2 Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
179.40	180.61	1.21	1077199	0.344	Sericitic alteration	3%	10% Ton and Ton II frags. Moderately Magnetic and overprinted by strong sericite alteration.

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>180.61</b>	<b>181.60</b>	<b>Tonalite 2</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
180.61	181.60	0.99	1077200	0.297	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>181.60</b>	<b>189.14</b>	<b>Tonalite 2 Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
181.60	183.00	1.40	1077201	0.117	Sericitic alteration	6%	95% Ton and Dr frags, Magnetism starts, strong ser overprint starting now.
183.00	183.54	0.54	1077202	0.075	Sericitic alteration	0%	35% Ton frags,
183.54	184.47	0.93	1077203	0.122	Silicified	3%	75% Ton frags,
184.47	185.00	0.53	1077204	0.167	Sericitic alteration	10%	30% Ton frags,
185.00	186.00	1.00	1077205	1.200	Sericitic alteration	26%	45% Ton frags,
186.00	187.41	1.41	1077206	0.051	Sericitic alteration	4%	60% Ton frags,
187.41	188.00	0.59	1077207	0.062	Sericitic alteration	2%	10% Ton frags,
188.00	189.14	1.14	1077208	0.059	Sericitic alteration	1%	15% Ton frags.

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>189.14</b>	<b>191.00</b>	<b>Tonalite 2</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
189.14	190.00	0.86	1077209	0.025	Sericitic alteration	1%	
190.00	191.00	1.00	1077211	0.083	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>191.00</b>	<b>199.09</b>	<b>Tonalite 2 Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
191.00	192.04	1.04	1077213	0.132	Sericitic alteration	2%	5% ton frg.
192.04	193.00	0.96	1077214	0.070	Sericitic alteration	1%	50% ton and dr frags.
193.00	194.11	1.11	1077215	0.206	Sericitic alteration	1%	60% ton frags.

194.11	194.82	0.71	1077216	0.559	Sericitic alteration	1%	Shear from 194.37m to 194.82m all matrix
194.82	196.00	1.18	1077217	0.016	Sericitic alteration	1%	4% ton frgs.
196.00	197.11	1.11	1077218	0.023	Sericitic alteration	1%	2% ton frgs.
197.11	198.00	0.89	1077219	0.163	Sericitic alteration	3%	55% ton frgs.
198.00	199.09	1.09	1077220	0.042	Sericitic alteration	1%	65% ton frgs.
<b>From</b> <b>199.09</b>	<b>To</b> <b>207.75</b>	<b>Lithologic Group</b> <b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
199.09	200.00	0.91	1077221	0.117	Sericitic alteration	2%	15% ton frgs.
200.00	201.00	1.00	1077222	1.083	Sericitic alteration	1%	
201.00	202.00	1.00	1077223	0.555	Sericitic alteration	2%	
202.00	203.15	1.15	1077225	0.267	Sericitic alteration	2%	
203.15	204.00	0.85	1077226	0.716	Sericitic alteration	2%	
204.00	205.00	1.00	1077227	0.043	Sericitic alteration	3%	3cm wide ton II dike at 204.04 to 204.14
205.00	206.00	1.00	1077228	0.057	Sericitic alteration	3%	
206.00	207.00	1.00	1077229	0.017	Sericitic alteration	2%	
207.00	207.75	0.75	1077231	0.069	Sericitic alteration	2%	
<b>From</b> <b>207.75</b>	<b>To</b> <b>210.94</b>	<b>Lithologic Group</b> <b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
207.75	209.00	1.25	1077232	0.150	Sericitic alteration	3%	20% Ton frgs. Magnetism stops.
209.00	210.00	1.00	1077233	0.119	Sericitic alteration	2%	22% Ton frgs.
210.00	210.94	0.94	1077234	0.143	Sericitic alteration	4%	1 large fragment.
<b>From</b> <b>210.94</b>	<b>To</b> <b>214.00</b>	<b>Lithologic Group</b> <b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
210.94	212.00	1.06	1077235	0.023	Sericitic alteration	2%	
212.00	213.00	1.00	1077237	0.104	Sericitic alteration	1%	
213.00	214.00	1.00	1077238	1.786	Sericitic alteration	7%	
<b>From</b> <b>214.00</b>	<b>To</b> <b>215.00</b>	<b>Lithologic Group</b> <b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
214.00	215.00	1.00	1077239	0.025	Sericitic alteration	2%	Intense fracturing
<b>From</b> <b>215.00</b>	<b>To</b> <b>215.60</b>	<b>Lithologic Group</b> <b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
215.00	215.60	0.60	1077240	0.097	Silicified	1%	x Laurent take over!

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>215.60</b>	<b>219.44</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
215.60	217.00	1.40	1077241	0.096	Sericitic alteration	3%	x
217.00	218.00	1.00	1077242	0.219	Sericitic alteration	3%	x
218.00	219.44	1.44	1077243	0.036	Sericitic alteration	7%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>219.44</b>	<b>220.60</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
219.44	220.60	1.16	1077244	0.023	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>220.60</b>	<b>222.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
220.60	221.16	0.56	1077245	0.060	Silicified	10%	x 5-10% mtx
221.16	222.00	0.84	1077246	0.147	Silicified	4%	x 5-10% mtx
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>222.00</b>	<b>223.30</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
222.00	223.30	1.30	1077247	0.043	Sericitic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>223.30</b>	<b>225.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
223.30	224.00	0.70	1077249	0.084	Silicified	2%	x 5-10% frg
224.00	225.00	1.00	1077251	0.251	Silicified	2%	x 5-10% frg
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>225.00</b>	<b>226.50</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
225.00	226.50	1.50	1077252	0.138	Silicified	5%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>226.50</b>	<b>229.32</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
226.50	228.00	1.50	1077253	0.254	Silicified	2%	x 10% mtx
228.00	229.32	1.32	1077254	3.520	Silicified	4%	x 50% mtx
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>229.32</b>	<b>229.98</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
229.32	229.98	0.66	1077255	0.189	Silicified	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>229.98</b>	<b>230.55</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
229.98	230.55	0.57	1077256	0.376	Silicified	8%	x 10% mtx

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>230.55</b>	<b>232.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
230.55	231.00	0.45	1077257	0.095	Sericitic alteration	1%	x
231.00	232.00	1.00	1077258	0.086	Sericitic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>232.00</b>	<b>235.75</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
232.00	233.00	1.00	1077259	0.032	Silicified	1%	x 10% mtx
233.00	234.00	1.00	1077261	0.108	Sericitic alteration	1%	x 10% mtx
234.00	235.00	1.00	1077262	0.715	Sericitic alteration	15%	x 5% mtx
235.00	235.75	0.75	1077263	0.033	Sericitic alteration	1%	x 5% mtx
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>235.75</b>	<b>237.15</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
235.75	237.15	1.40	1077264	0.289	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>237.15</b>	<b>241.40</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
237.15	238.00	0.85	1077265	0.174	Silicified	2%	x 75% mtx
238.00	239.00	1.00	1077266	0.682	Silicified	2%	x 25% mtx
239.00	240.00	1.00	1077267	0.575	Sericitic alteration	2%	x 5% mtx
240.00	241.40	1.40	1077268	0.397	Sericitic alteration	2%	x 10% mtx
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>241.40</b>	<b>243.00</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
241.40	242.00	0.60	1077269	0.039	Silicified	1%	x
242.00	243.00	1.00	1077271	0.083	Silicified	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>243.00</b>	<b>258.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
243.00	244.10	1.10	1077273	0.448	Silicified	2%	x 90% mtx
244.10	245.00	0.90	1077274	0.483	Sericitic alteration	3%	x 10% mtx
245.00	246.00	1.00	1077275	0.661	Sericitic alteration	3%	x 10% mtx
246.00	247.00	1.00	1077276	0.136	Sericitic alteration	1%	x 5% mtx
247.00	248.00	1.00	1077277	0.431	Sericitic alteration	5%	x 5% mtx
248.00	249.00	1.00	1077278	0.653	Sericitic alteration	5%	x 5% mtx
249.00	250.00	1.00	1077279	0.745	Sericitic alteration	2%	x 75% mtx
250.00	251.00	1.00	1077280	0.124	Sericitic alteration	2%	x 85% mtx
251.00	252.00	1.00	1077281	0.145	Sericitic alteration	3%	x 10% mtx
252.00	253.00	1.00	1077282	0.213	Sericitic alteration	2%	x 40% mtx

253.00	254.00	1.00	1077283	0.273	Sericitic alteration	4%	x 60% mtx
254.00	255.00	1.00	1077285	0.122	Sericitic alteration	1%	x Ton 2 ?
255.00	256.00	1.00	1077286	0.541	Sericitic alteration	1%	x Ton 2 ?
256.00	257.00	1.00	1077287	0.449	Sericitic alteration	4%	x Ton 2 ?
257.00	258.00	1.00	1077288	0.079	Sericitic alteration	1%	x Sub 10% mtx ?

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>258.00</b>	<b>262.00</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
258.00	259.00	1.00	1077289	0.063	Silicified	1%	x
259.00	260.00	1.00	1077291	0.199	Silicified	1%	x
260.00	261.00	1.00	1077292	0.132	Silicified	5%	x
261.00	262.00	1.00	1077293	0.174	Silicified	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>262.00</b>	<b>267.00</b>	<b>Tonalite 2 Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
262.00	263.00	1.00	1077294	0.117	Silicified	1%	x 10% mtx
263.00	264.00	1.00	1077295	0.119	Silicified	1%	x 10% mtx
264.00	265.00	1.00	1077297	0.177	Silicified	1%	x 10% mtx
265.00	266.00	1.00	1077298	0.264	Silicified	3%	x 15% mtx
266.00	267.00	1.00	1077299	0.787	Sericitic alteration	1%	x 60% mtx ??

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>267.00</b>	<b>276.00</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
267.00	268.00	1.00	1077300	1.344	Silicified	5%	x
268.00	269.00	1.00	1077301	0.213	Silicified	2%	x
269.00	270.00	1.00	1077302	0.281	Silicified	2%	x
270.00	271.00	1.00	1077303	0.201	Silicified	2%	x
271.00	272.00	1.00	1077304	0.067	Silicified	2%	x
272.00	273.00	1.00	1077305	0.276	Silicified	2%	x
273.00	274.00	1.00	1077306	0.088	Silicified	2%	x
274.00	275.00	1.00	1077307	0.102	Silicified	4%	x
275.00	276.00	1.00	1077308	0.361	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>276.00</b>	<b>278.00</b>	<b>Tonalite 2 Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
276.00	277.00	1.00	1077309	0.489	Silicified	7%	x mtx ?
277.00	278.00	1.00	1077311	0.734	Silicified	4%	x mtx ?

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>278.00</b>	<b>281.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
278.00	279.00	1.00	1077313	0.714	Sericitic alteration	2%	x ton 2 ?
279.00	280.00	1.00	1077314	1.199	Sericitic alteration	2%	x ton 2 ?



280.00	281.00	1.00	1077315	1.794	Sericitic alteration	1%	x ton 2 ?
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>281.00</b>	<b>283.00</b>		<b>Tonalite 2 Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
281.00	282.00	1.00	1077316	2.191	Sericitic alteration	2%	x 60% mtx ??
282.00	283.00	1.00	1077317	1.201	Sericitic alteration	5%	x 80% mtx ??
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>283.00</b>	<b>286.70</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
283.00	284.00	1.00	1077318	1.567	Sericitic alteration	2%	x
284.00	285.00	1.00	1077319	0.866	Sericitic alteration	5%	x
285.00	286.00	1.00	1077320	2.983	Sericitic alteration	5%	x
286.00	286.70	0.70	1077321	1.060	Sericitic alteration	8%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>286.70</b>	<b>287.50</b>		<b>Tonalite 2 Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
286.70	287.50	0.80	1077322	0.903	Sericitic alteration	2%	x 30% mtx
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>287.50</b>	<b>298.05</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
287.50	289.00	1.50	1077323	2.851	Sericitic alteration	1%	x
289.00	290.00	1.00	1077325	3.360	Sericitic alteration	2%	x
290.00	291.00	1.00	1077326	2.445	Sericitic alteration	2%	x
291.00	292.00	1.00	1077327	2.149	Sericitic alteration	3%	x
292.00	293.00	1.00	1077328	0.551	Sericitic alteration	3%	x
293.00	294.00	1.00	1077329	2.215	Sericitic alteration	3%	x
294.00	295.00	1.00	1077331	1.950	Sericitic alteration	1%	x
295.00	296.00	1.00	1077332	2.972	Sericitic alteration	3%	x
296.00	297.00	1.00	1077333	1.727	Sericitic alteration	2%	x
297.00	298.05	1.05	1077334	1.127	Sericitic alteration	1%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>298.05</b>	<b>302.00</b>		<b>Tonalite 2 Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
298.05	299.00	0.95	1077335	0.744	Sericitic alteration	2%	x 60% mtx
299.00	300.00	1.00	1077337	0.325	Silicified	4%	x 90% mtx
300.00	301.00	1.00	1077338	0.876	Silicified	2%	x 80% mtx
301.00	302.00	1.00	1077339	0.887	Silicified	1%	x 5% mtx
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>302.00</b>	<b>308.13</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
302.00	303.00	1.00	1077340	3.310	Sericitic alteration	2%	x

303.00	304.00	1.00	1077341	2.253	Sericitic alteration	3%	x
304.00	305.00	1.00	1077342	2.412	Sericitic alteration	3%	x
305.00	306.00	1.00	1077343	4.630	Sericitic alteration	3%	x
306.00	307.00	1.00	1077344	1.356	Sericitic alteration	2%	x
307.00	308.13	1.13	1077345	1.899	Sericitic alteration	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>308.13</b>	<b>308.95</b>	<b>Diabase</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
308.13	308.95	0.82	1077346	0.186	Unaltered	0%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>308.95</b>	<b>309.51</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
308.95	309.51	0.56	1077347	2.179	Silicified	1%	x fragment in DIA ?

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>309.51</b>	<b>310.65</b>	<b>Diabase</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
309.51	310.65	1.14	1077349	0.013	Unaltered	0%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>310.65</b>	<b>332.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
310.65	312.00	1.35	1077351	2.331	Sericitic alteration	1%	x
312.00	313.00	1.00	1077352	1.974	Sericitic alteration	1%	x
313.00	314.00	1.00	1077353	2.413	Sericitic alteration	1%	x
314.00	315.00	1.00	1077354	2.163	Sericitic alteration	1%	x
315.00	316.00	1.00	1077355	1.803	Sericitic alteration	1%	x
316.00	317.00	1.00	1077356	1.274	Sericitic alteration	1%	x
317.00	318.00	1.00	1077357	1.579	Silicified	2%	x
318.00	319.00	1.00	1077358	2.075	Silicified	3%	x
319.00	320.00	1.00	1077359	1.167	Silicified	3%	x
320.00	321.00	1.00	1077361	2.632	Silicified	3%	x
321.00	322.00	1.00	1077362	0.952	Silicified	2%	x
322.00	323.00	1.00	1077363	3.190	Silicified	1%	x
323.00	324.00	1.00	1077364	3.030	Silicified	1%	x
324.00	325.00	1.00	1077365	2.870	Sericitic alteration	1%	x
325.00	326.00	1.00	1077366	3.810	Sericitic alteration	1%	x
326.00	327.00	1.00	1077367	1.158	Sericitic alteration	1%	x
327.00	328.00	1.00	1077368	2.058	Sericitic alteration	1%	x
328.00	329.00	1.00	1077369	1.163	Sericitic alteration	1%	x
329.00	330.00	1.00	1077371	1.116	Sericitic alteration	3%	x
330.00	331.00	1.00	1077373	1.751	Sericitic alteration	7%	x
331.00	332.00	1.00	1077374	1.161	Sericitic alteration	8%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>332.00</b>	<b>334.28</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
332.00	333.00	1.00	1077375	0.059	Unaltered	0%	x
333.00	334.28	1.28	1077376	0.014	Unaltered	0%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>334.28</b>	<b>346.70</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
334.28	335.65	1.37	1077377	7.940	Sericitic alteration	5%	x
335.65	337.00	1.35	1077378	3.620	Sericitic alteration	8%	x
337.00	338.00	1.00	1077379	6.070	Sericitic alteration	5%	x
338.00	339.00	1.00	1077380	3.780	Sericitic alteration	4%	x
339.00	340.00	1.00	1077381	0.436	Sericitic alteration	5%	x
340.00	341.00	1.00	1077382	0.152	Sericitic alteration	1%	x
341.00	342.00	1.00	1077383	1.549	Sericitic alteration	1%	x
342.00	343.00	1.00	1077385	1.020	Sericitic alteration	3%	x
343.00	344.00	1.00	1077386	0.142	Sericitic alteration	1%	x
344.00	345.00	1.00	1077387	0.558	Sericitic alteration	2%	x
345.00	346.00	1.00	1077388	2.614	Sericitic alteration	5%	x
346.00	346.70	0.70	1077389	0.991	Sericitic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>346.70</b>	<b>347.71</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
346.70	347.71	1.01	1077391	2.764	Unaltered	0%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>347.71</b>	<b>348.26</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
347.71	348.26	0.55	1077392	0.035	Silicified	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>348.26</b>	<b>350.16</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
348.26	348.80	0.54	1077393	0.040	Unaltered	0%	x
348.80	350.16	1.36	1077394	0.984	Silicified	1%	x Mineralisation of the ton frg
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>350.16</b>	<b>352.30</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
350.16	351.00	0.84	1077395	0.745	Sericitic alteration	2%	x
351.00	352.30	1.30	1077397	1.214	Sericitic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>352.30</b>	<b>352.73</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

352.30	352.73	0.43	1077398	0.027	Unaltered	0%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>352.73</b>	<b>362.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
352.73	354.00	1.27	1077399	0.660	Sericitic alteration	1%	x
354.00	355.00	1.00	1077400	0.940	Sericitic alteration	2%	x
355.00	356.00	1.00	1077401	3.500	Sericitic alteration	1%	x
356.00	357.00	1.00	1077402	3.630	Sericitic alteration	1%	x
357.00	358.00	1.00	1077403	4.040	Sericitic alteration	15%	x
358.00	359.00	1.00	1077404	0.084	Sericitic alteration	5%	x
359.00	360.00	1.00	1077405	0.784	Sericitic alteration	15%	x
360.00	361.00	1.00	1077406	5.880	Sericitic alteration	4%	x
361.00	362.00	1.00	1077407	0.825	Sericitic alteration	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>362.00</b>	<b>363.18</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
362.00	363.18	1.18	1077408	0.087	Unaltered	0%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>363.18</b>	<b>367.17</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
363.18	364.00	0.82	1077409	3.590	Sericitic alteration	2%	x
364.00	365.00	1.00	1077411	0.762	Sericitic alteration	1%	x
365.00	366.00	1.00	1077413	1.389	Sericitic alteration	3%	x
366.00	367.17	1.17	1077414	1.334	Sericitic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>367.17</b>	<b>370.11</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
367.17	368.00	0.83	1077415	0.023	Unaltered	0%	x
368.00	369.00	1.00	1077416	0.012	Unaltered	0%	x
369.00	370.11	1.11	1077417	0.013	Unaltered	0%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>370.11</b>	<b>403.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
370.11	371.00	0.89	1077418	1.014	Sericitic alteration	1%	x
371.00	372.00	1.00	1077419	0.090	Sericitic alteration	1%	x
372.00	373.00	1.00	1077420	0.419	Sericitic alteration	1%	x
373.00	374.00	1.00	1077421	1.011	Sericitic alteration	1%	x
374.00	375.00	1.00	1077422	0.804	Sericitic alteration	1%	x
375.00	376.00	1.00	1077423	0.440	Sericitic alteration	15%	x small dyke with qtz vn in
376.00	377.00	1.00	1077425	0.347	Sericitic alteration	1%	x
377.00	378.00	1.00	1077426	1.617	Sericitic alteration	1%	x
378.00	379.00	1.00	1077427	1.318	Sericitic alteration	1%	x

379.00	380.00	1.00	1077428	1.401	Sericitic alteration	1%	x
380.00	381.00	1.00	1077429	0.264	Sericitic alteration	1%	x
381.00	382.00	1.00	1077431	0.403	Sericitic alteration	2%	x
382.00	383.00	1.00	1077432	1.365	Sericitic alteration	2%	x
383.00	384.00	1.00	1077433	1.061	Sericitic alteration	1%	x
384.00	385.00	1.00	1077434	0.676	Sericitic alteration	8%	x
385.00	386.00	1.00	1077435	0.726	Sericitic alteration	2%	x
386.00	387.00	1.00	1077437	1.136	Sericitic alteration	4%	x
387.00	388.00	1.00	1077438	2.535	Sericitic alteration	2%	x
388.00	389.00	1.00	1077439	0.606	Sericitic alteration	1%	x
389.00	390.00	1.00	1077440	0.434	Sericitic alteration	1%	x
390.00	391.00	1.00	1077441	0.445	Sericitic alteration	1%	x
391.00	392.00	1.00	1077442	0.475	Sericitic alteration	2%	x
392.00	393.00	1.00	1077443	1.189	Sericitic alteration	2%	x
393.00	394.00	1.00	1077444	0.388	Sericitic alteration	1%	x
394.00	395.00	1.00	1077445	1.934	Sericitic alteration	1%	x
395.00	396.00	1.00	1077446	0.725	Sericitic alteration	2%	x
396.00	397.00	1.00	1077447	2.444	Sericitic alteration	3%	x
397.00	398.00	1.00	1077449	0.505	Sericitic alteration	3%	x
398.00	399.00	1.00	1077451	0.578	Sericitic alteration	2%	x
399.00	400.00	1.00	1077452	0.445	Sericitic alteration	2%	x
400.00	401.00	1.00	1077453	0.341	Silicified	3%	x
401.00	402.00	1.00	1077454	0.093	Silicified	80%	x
402.00	403.00	1.00	1077455	0.262	Silicified	15%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>403.00</b>	<b>403.80</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
403.00	403.80	0.80	1077456	0.031	Unaltered	0%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>403.80</b>	<b>417.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
403.80	405.00	1.20	1077457	0.924	Sericitic alteration	1%	x
405.00	406.00	1.00	1077458	0.594	Sericitic alteration	5%	x
406.00	407.00	1.00	1077459	0.827	Sericitic alteration	1%	x
407.00	408.00	1.00	1077461	0.638	Sericitic alteration	1%	x
408.00	409.00	1.00	1077462	0.756	Sericitic alteration	3%	x
409.00	410.00	1.00	1077463	0.967	Sericitic alteration	1%	x
410.00	411.00	1.00	1077464	2.138	Sericitic alteration	3%	x
411.00	412.00	1.00	1077465	1.483	Sericitic alteration	1%	x
412.00	413.00	1.00	1077466	1.265	Sericitic alteration	2%	x
413.00	414.00	1.00	1077467	2.512	Sericitic alteration	1%	x
414.00	415.00	1.00	1077468	1.160	Sericitic alteration	1%	x

415.00	416.00	1.00	1077469	1.567	Sericitic alteration	1%	x
416.00	417.00	1.00	1077471	0.829	Sericitic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>417.00</b>	<b>426.00</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
417.00	418.00	1.00	1077473	2.050	Sericitic alteration	2%	x
418.00	419.00	1.00	1077474	1.730	Sericitic alteration	3%	x
419.00	420.00	1.00	1077475	1.521	Sericitic alteration	3%	x
420.00	421.00	1.00	1077476	2.155	Sericitic alteration	3%	x
421.00	422.00	1.00	1077477	2.489	Sericitic alteration	3%	x
422.00	423.00	1.00	1077478	1.254	Sericitic alteration	8%	x
423.00	424.00	1.00	1077479	1.703	Sericitic alteration	3%	x
424.00	425.00	1.00	1077480	1.215	Sericitic alteration	2%	x
425.00	426.00	1.00	1077481	1.362	Sericitic alteration	4%	x

# DRILL HOLE REPORT

Drill Hole **GOS20-39** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 330.7  
 Dip -60.3  
 Length 244.0 m  
 Started 01-Mar-20  
 Completed 07-Mar-20  
 Logged 21-Jun-20  
 Logged by Laura Katz

Company  
 Contractor NPLH Drilling  
 Position  
 Bore Size NQ  
 Sample Storage Marathon Laydown  
 Casing NONE  
 Condition Cemented

Survey Details:

Claim Number MLO-10658  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Multi-shot Survey  
 Coord Survey Tool SURV

Coordinates:

Target Easting 430917.98  
 Comments UTM Datum NAD83 Northing 5267644.91  
 UTM Zone 17 Elevation 381.04

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
24.0	330.71	-60.27		RS	Good						
123.0	330.69	-60.25		RS	Good						
174.0	331.50	-60.24		RS	Good						
225.0	331.84	-59.94		RS	Good						

From	To	Lithologic Group					
0.00	11.70	Overburden					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	11.70	11.70			Unaltered		

From	To	Lithologic Group					
11.70	42.84	Tonalite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
11.70	13.00	1.30	1075501	0.108	Sericitic alteration	2%	
13.00	14.00	1.00	1075502	0.044	Sericitic alteration	3%	
14.00	15.00	1.00	1075503	0.034	Sericitic alteration	0%	
15.00	16.00	1.00	1075504	0.017	Sericitic alteration	4%	
16.00	17.00	1.00	1075505	0.017	Sericitic alteration	1%	
17.00	18.00	1.00	1075506	0.038	Sericitic alteration	1%	
18.00	19.00	1.00	1075507	0.012	Sericitic alteration	2%	
19.00	20.00	1.00	1075508	0.262	Sericitic alteration	2%	
20.00	21.00	1.00	1075509	0.012	Sericitic alteration	8%	
21.00	22.00	1.00	1075511	0.066	Sericitic alteration	1%	
22.00	23.00	1.00	1075513	0.012	Sericitic alteration	1%	
23.00	24.00	1.00	1075514	0.194	Sericitic alteration	1%	
24.00	25.00	1.00	1075515	0.013	Sericitic alteration	1%	
25.00	26.00	1.00	1075516	0.098	Sericitic alteration	0%	
26.00	27.00	1.00	1075517	0.388	Sericitic alteration	4%	mgr speck of moly on edge of vein
27.00	28.00	1.00	1075518	0.176	Sericitic alteration	0%	
28.00	29.00	1.00	1075519	0.066	Sericitic alteration	0%	
29.00	30.00	1.00	1075520	0.109	Sericitic alteration	0%	
30.00	31.00	1.00	1075521	0.098	Sericitic alteration	2%	
31.00	32.00	1.00	1075522	0.028	Sericitic alteration	8%	
32.00	33.00	1.00	1075523	0.235	Sericitic alteration	1%	
33.00	34.00	1.00	1075525	0.611	Sericitic alteration	18%	
34.00	35.00	1.00	1075526	0.898	Sericitic alteration	0%	
35.00	36.00	1.00	1075527	0.146	Sericitic alteration	2%	
36.00	37.00	1.00	1075528	0.008	Sericitic alteration	2%	
37.00	38.00	1.00	1075529	0.027	Sericitic alteration	2%	
38.00	39.00	1.00	1075531	0.037	Sericitic alteration	1%	
39.00	40.00	1.00	1075532	0.039	Sericitic alteration	0%	
40.00	41.00	1.00	1075533	0.186	Sericitic alteration	1%	
41.00	42.00	1.00	1075534	0.010	Sericitic alteration	1%	
42.00	42.84	0.84	1075535	0.020	Sericitic alteration	2%	



<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>42.84</b>	<b>50.97</b>	<b>Tonalite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
42.84	44.00	1.16	1075537	0.140	Chloritic alteration	3%	
44.00	45.00	1.00	1075538	0.153	Sericitic alteration	3%	100% tonalite matrix
45.00	46.18	1.18	1075539	0.037	Sericitic alteration	1%	100% tonalite matrix
46.18	47.10	0.92	1075540	0.064	Chloritic alteration	0%	
47.10	48.00	0.90	1075541	0.035	Chloritic alteration	2%	100% QDR fragment
48.00	49.19	1.19	1075542	0.035	Chloritic alteration	1%	
49.19	50.00	0.81	1075543	0.057	Chloritic alteration	0%	100% QDR fragment
50.00	50.97	0.97	1075544	0.049	Chloritic alteration	2%	100% QDR fragment
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>50.97</b>	<b>59.47</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
50.97	52.00	1.03	1075545	0.523	Sericitic alteration	2%	
52.00	53.00	1.00	1075546	0.547	Sericitic alteration	11%	
53.00	54.00	1.00	1075547	0.510	Sericitic alteration	1%	
54.00	55.00	1.00	1075549	0.573	Sericitic alteration	9%	In-situ brecciation possible - abundant bt fracturing
55.00	56.00	1.00	1075551	0.314	Sericitic alteration	3%	
56.00	57.00	1.00	1075552	0.281	Sericitic alteration	13%	
57.00	58.00	1.00	1075553	0.672	Sericitic alteration	4%	
58.00	59.47	1.47	1075554	0.247	Sericitic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>59.47</b>	<b>128.20</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
59.47	61.00	1.53	1075555	0.197	Chloritic alteration	16%	
61.00	62.00	1.00	1075556	0.215	Chloritic alteration	1%	
62.00	63.00	1.00	1075557	0.052	Chloritic alteration	2%	
63.00	64.00	1.00	1075558	0.030	Chloritic alteration	3%	
64.00	65.00	1.00	1075559	2.294	Chloritic alteration	3%	
65.00	66.00	1.00	1075561	1.489	Chloritic alteration	1%	
66.00	67.00	1.00	1075562	2.721	Chloritic alteration	2%	
67.00	68.14	1.14	1075563	0.494	Chloritic alteration	4%	
68.14	69.00	0.86	1075564	0.012	Chloritic alteration	0%	
69.00	70.00	1.00	1075565	0.053	Chloritic alteration	1%	
70.00	71.00	1.00	1075566	0.009	Chloritic alteration	1%	
71.00	72.00	1.00	1075567	0.014	Chloritic alteration	1%	
72.00	73.00	1.00	1075568	0.125	Chloritic alteration	2%	
73.00	74.00	1.00	1075569	0.005	Chloritic alteration	0%	
74.00	75.00	1.00	1075571	0.068	Chloritic alteration	0%	
75.00	76.00	1.00	1075573	0.016	Chloritic alteration	1%	

76.00	77.00	1.00	1075574	0.005	Chloritic alteration	2%	
77.00	78.00	1.00	1075575	0.005	Chloritic alteration	1%	
78.00	79.00	1.00	1075576	0.005	Chloritic alteration	1%	
79.00	80.00	1.00	1075577	0.013	Chloritic alteration	1%	
80.00	81.00	1.00	1075578	0.006	Chloritic alteration	1%	
81.00	82.00	1.00	1075579	0.016	Chloritic alteration	2%	
82.00	83.27	1.27	1075580	0.007	Chloritic alteration	1%	
83.27	84.00	0.73	1075581	0.072	Chloritic alteration	2%	Shear zone
84.00	85.00	1.00	1075582	0.369	Chloritic alteration	5%	Shear zone
85.00	85.76	0.76	1075583	0.051	Chloritic alteration	12%	
85.76	86.70	0.94	1075585	0.024	Chloritic alteration	5%	
86.70	87.58	0.88	1075586	0.138	Chloritic alteration	40%	
87.58	88.83	1.25	1075587	0.042	Chloritic alteration	2%	
88.83	89.92	1.09	1075588	1.175	Chloritic alteration	8%	two small shear zones in sample
89.92	91.00	1.08	1075589	0.005	Chloritic alteration	1%	
91.00	92.00	1.00	1075591	0.012	Chloritic alteration	0%	
92.00	93.00	1.00	1075592	0.009	Chloritic alteration	0%	
93.00	94.00	1.00	1075593	0.038	Chloritic alteration	1%	
94.00	95.00	1.00	1075594	0.015	Chloritic alteration	1%	
95.00	96.00	1.00	1075595	0.005	Chloritic alteration	1%	
96.00	97.00	1.00	1075597	0.005	Chloritic alteration	0%	
97.00	98.00	1.00	1075598	0.015	Chloritic alteration	0%	
98.00	99.00	1.00	1075599	0.070	Chloritic alteration	0%	
99.00	100.00	1.00	1075600	0.023	Chloritic alteration	0%	
100.00	101.00	1.00	1075601	0.011	Chloritic alteration	1%	
101.00	102.00	1.00	1075602	0.042	Chloritic alteration	0%	
102.00	103.49	1.49	1075603	0.026	Chloritic alteration	1%	
103.49	104.00	0.51	1075604	0.023	Chloritic alteration	0%	
104.00	105.00	1.00	1075605	0.023	Chloritic alteration	1%	
105.00	106.00	1.00	1075606	0.059	Chloritic alteration	0%	
106.00	107.00	1.00	1075607	0.091	Chloritic alteration	1%	
107.00	108.00	1.00	1075608	0.046	Chloritic alteration	4%	
108.00	108.90	0.90	1075609	0.035	Chloritic alteration	2%	
108.90	110.00	1.10	1075611	0.030	Chloritic alteration	0%	
110.00	111.00	1.00	1075613	0.016	Chloritic alteration	0%	
111.00	112.00	1.00	1075614	0.013	Chloritic alteration	1%	
112.00	113.00	1.00	1075615	5.170	Chloritic alteration	2%	
113.00	114.00	1.00	1075616	0.029	Chloritic alteration	0%	
114.00	115.00	1.00	1075617	0.041	Chloritic alteration	3%	
115.00	116.00	1.00	1075618	0.015	Chloritic alteration	0%	
116.00	117.00	1.00	1075619	0.062	Chloritic alteration	1%	
117.00	118.00	1.00	1075620	0.140	Chloritic alteration	0%	

118.00	119.00	1.00	1075621	0.015	Chloritic alteration	2%
119.00	120.00	1.00	1075622	0.028	Chloritic alteration	1%
120.00	121.00	1.00	1075623	0.060	Chloritic alteration	0%
121.00	122.00	1.00	1075625	0.462	Chloritic alteration	3%
122.00	123.00	1.00	1075626	0.330	Chloritic alteration	0%
123.00	124.56	1.56	1075627	0.779	Chloritic alteration	2%
124.56	125.50	0.94	1075628	0.539	Chloritic alteration	0%
125.50	127.00	1.50	1075629	0.043	Chloritic alteration	3%
127.00	128.20	1.20	1075631	0.034	Chloritic alteration	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>128.20</b>	<b>128.70</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
128.20	128.70	0.50	1075632	0.187	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>128.70</b>	<b>140.45</b>	<b>Diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
128.70	130.00	1.30	1075633	0.049	Chloritic alteration	0%	
130.00	131.00	1.00	1075634	0.072	Chloritic alteration	1%	
131.00	132.00	1.00	1075635	0.099	Chloritic alteration	1%	
132.00	133.00	1.00	1075637	0.254	Chloritic alteration	3%	0.5 cm tonalite dikelet in sample
133.00	134.00	1.00	1075638	0.095	Chloritic alteration	0%	1 cm tonalite dikelet in sample
134.00	135.00	1.00	1075639	0.352	Chloritic alteration	1%	
135.00	136.00	1.00	1075640	0.036	Chloritic alteration	1%	
136.00	137.00	1.00	1075641	0.041	Chloritic alteration	0%	
137.00	138.00	1.00	1075642	0.073	Chloritic alteration	0%	
138.00	139.30	1.30	1075643	0.048	Chloritic alteration	2%	
139.30	140.00	0.70	1075644	0.109	Chloritic alteration	1%	
140.00	140.45	0.45	1075645	0.091	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>140.45</b>	<b>145.03</b>	<b>Tonalite Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
140.45	140.85	0.40	1075646	0.013	Chloritic alteration	0%	Mgr, grey, massive, equigranular tonalite matrix with variable size (1 cm to several 10s of cm) quartz diorite fragments; fragments are mgr, qtz porphyritic, black/grey and have sharp contacts with tonalite
140.85	142.00	1.15	1075647	0.050	Chloritic alteration	1%	
142.00	143.03	1.03	1075649	0.341	Chloritic alteration	9%	
143.03	144.00	0.97	1075651	0.505	Chloritic alteration	9%	
144.00	145.03	1.03	1075652	0.710	Chloritic alteration	9%	

<b>From</b> 145.03	<b>To</b> 225.12	<b>Lithologic Group</b>					
		<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
145.03	146.00	0.97	1075653	0.011	Sericitic alteration	1%	Mgr, grey, massive, euigranular
146.00	147.00	1.00	1075654	0.060	Sericitic alteration	0%	
147.00	148.00	1.00	1075655	0.271	Sericitic alteration	1%	
148.00	149.00	1.00	1075656	0.569	Sericitic alteration	2%	
149.00	150.00	1.00	1075657	0.198	Sericitic alteration	3%	
150.00	151.00	1.00	1075658	0.031	Sericitic alteration	1%	
151.00	152.00	1.00	1075659	0.013	Sericitic alteration	1%	
152.00	153.00	1.00	1075661	0.017	Sericitic alteration	6%	
153.00	154.00	1.00	1075662	0.021	Sericitic alteration	2%	
154.00	155.00	1.00	1075663	0.024	Sericitic alteration	0%	
155.00	156.00	1.00	1075664	0.020	Sericitic alteration	2%	
156.00	157.00	1.00	1075665	0.036	Sericitic alteration	1%	
157.00	158.00	1.00	1075666	0.047	Sericitic alteration	1%	
158.00	159.00	1.00	1075667	0.021	Sericitic alteration	0%	
159.00	160.00	1.00	1075668	0.055	Sericitic alteration	1%	
160.00	161.00	1.00	1075669	0.030	Sericitic alteration	1%	
161.00	162.00	1.00	1075671	0.143	Sericitic alteration	1%	
162.00	163.50	1.50	1075673	0.029	Sericitic alteration	2%	
163.50	164.45	0.95	1075674	0.150	Sericitic alteration	0%	
164.45	165.00	0.55	1075675	0.042	Sericitic alteration	1%	
165.00	166.00	1.00	1075676	0.065	Sericitic alteration	1%	
166.00	167.00	1.00	1075677	0.044	Sericitic alteration	1%	
167.00	168.00	1.00	1075678	0.033	Sericitic alteration	1%	
168.00	169.00	1.00	1075679	0.096	Sericitic alteration	1%	
169.00	170.00	1.00	1075680	0.215	Sericitic alteration	3%	
170.00	171.00	1.00	1075681	0.057	Sericitic alteration	1%	
171.00	171.87	0.87	1075682	0.199	Sericitic alteration	1%	
171.87	173.25	1.38	1075683	0.425	Sericitic alteration	2%	
173.25	174.00	0.75	1075685	0.038	Sericitic alteration	2%	
174.00	175.00	1.00	1075686	0.033	Sericitic alteration	0%	
175.00	175.90	0.90	1075687	0.081	Sericitic alteration	1%	
175.90	177.00	1.10	1075688	0.505	Sericitic alteration	1%	
177.00	178.00	1.00	1075689	0.166	Sericitic alteration	2%	
178.00	179.00	1.00	1075691	0.188	Sericitic alteration	1%	
179.00	180.00	1.00	1075692	0.211	Sericitic alteration	1%	
180.00	181.00	1.00	1075693	0.042	Sericitic alteration	1%	
181.00	182.00	1.00	1075694	0.048	Sericitic alteration	1%	
182.00	183.00	1.00	1075695	0.051	Sericitic alteration	0%	
183.00	184.00	1.00	1075697	0.030	Sericitic alteration	1%	

184.00	185.00	1.00	1075698	0.020	Sericitic alteration	0%	
185.00	186.00	1.00	1075699	0.028	Sericitic alteration	1%	
186.00	187.00	1.00	1075700	0.021	Sericitic alteration	0%	
187.00	188.00	1.00	1075701	0.060	Sericitic alteration	1%	
188.00	189.00	1.00	1075702	0.077	Sericitic alteration	0%	
189.00	190.37	1.37	1075703	0.047	Sericitic alteration	1%	
190.37	191.00	0.63	1075704	0.474	Sericitic alteration	1%	Moly in qtz-cb-bt vein
191.00	192.00	1.00	1075705	0.041	Sericitic alteration	0%	
192.00	193.00	1.00	1075706	0.036	Sericitic alteration	0%	
193.00	194.00	1.00	1075707	0.091	Sericitic alteration	0%	
194.00	195.00	1.00	1075708	0.029	Sericitic alteration	0%	
195.00	196.00	1.00	1075709	0.080	Sericitic alteration	0%	
196.00	197.00	1.00	1075711	0.023	Sericitic alteration	1%	
197.00	198.00	1.00	1075713	0.064	Sericitic alteration	1%	
198.00	198.85	0.85	1075714	0.309	Sericitic alteration	4%	
198.85	200.00	1.15	1075715	0.134	Sericitic alteration	3%	
200.00	201.00	1.00	1075716	0.303	Sericitic alteration	1%	
201.00	202.00	1.00	1075717	0.260	Sericitic alteration	3%	
202.00	203.00	1.00	1075718	0.042	Sericitic alteration	1%	
203.00	204.00	1.00	1075719	0.071	Sericitic alteration	1%	
204.00	205.00	1.00	1075720	0.058	Sericitic alteration	2%	
205.00	205.80	0.80	1075721	0.087	Sericitic alteration	4%	
205.80	207.00	1.20	1075722	0.131	Sericitic alteration	1%	
207.00	208.00	1.00	1075723	0.078	Sericitic alteration	1%	
208.00	209.00	1.00	1075725	0.066	Sericitic alteration	1%	
209.00	210.00	1.00	1075726	0.102	Sericitic alteration	1%	
210.00	211.00	1.00	1075727	0.308	Sericitic alteration	1%	2 cm sized diorite fragment
211.00	212.00	1.00	1075728	0.063	Sericitic alteration	1%	
212.00	213.00	1.00	1075729	0.081	Sericitic alteration	3%	
213.00	214.00	1.00	1075731	0.035	Sericitic alteration	1%	
214.00	215.00	1.00	1075732	0.033	Sericitic alteration	1%	
215.00	216.00	1.00	1075733	0.076	Sericitic alteration	1%	
216.00	217.00	1.00	1075734	0.165	Sericitic alteration	3%	
217.00	218.00	1.00	1075735	0.270	Sericitic alteration	1%	2 cm sized diorite fragment
218.00	219.00	1.00	1075737	0.091	Sericitic alteration	1%	
219.00	220.00	1.00	1075738	0.094	Sericitic alteration	1%	1 cm sized diorite fragment
220.00	221.00	1.00	1075739	0.383	Sericitic alteration	1%	
221.00	222.00	1.00	1075740	0.052	Sericitic alteration	1%	
222.00	223.00	1.00	1075741	0.279	Sericitic alteration	1%	
223.00	224.00	1.00	1075742	0.046	Sericitic alteration	2%	
224.00	225.12	1.12	1075743	0.037	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>225.12</b>	<b>228.27</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
225.12	226.00	0.88	1075744	0.006	Hematitic alteration	0%	
226.00	227.00	1.00	1075745	0.006	Hematitic alteration	1%	
227.00	228.27	1.27	1075746	0.005	Hematitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>228.27</b>	<b>244.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
228.27	229.00	0.73	1075747	0.241	Sericitic alteration	2%	
229.00	230.00	1.00	1075749	0.095	Sericitic alteration	1%	
230.00	231.00	1.00	1075751	0.348	Sericitic alteration	1%	
231.00	232.00	1.00	1075752	0.067	Sericitic alteration	1%	
232.00	233.00	1.00	1075753	0.066	Sericitic alteration	1%	
233.00	234.21	1.21	1075754	0.167	Sericitic alteration	3%	
234.21	235.00	0.79	1075755	0.092	Sericitic alteration	1%	
235.00	236.00	1.00	1075756	0.024	Sericitic alteration	1%	
236.00	237.00	1.00	1075757	0.038	Sericitic alteration	1%	
237.00	238.00	1.00	1075758	0.216	Sericitic alteration	1%	
238.00	239.00	1.00	1075759	0.082	Sericitic alteration	1%	
239.00	240.00	1.00	1075761	0.127	Sericitic alteration	1%	
240.00	241.00	1.00	1075762	3.330	Sericitic alteration	1%	
241.00	242.00	1.00	1075763	0.543	Sericitic alteration	2%	
242.00	243.00	1.00	1075764	0.678	Sericitic alteration	1%	
243.00	244.00	1.00	1075765	0.187	Sericitic alteration	1%	

# DRILL HOLE REPORT

Drill Hole **GOS20-40** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 330.0  
 Dip -60.0  
 Length 432.0 m  
 Started 03-Mar-20  
 Completed 11-Mar-20  
 Logged 26-Jun-20  
 Logged by Laurent Gauchat

Company  
 Contractor NPLH  
 Position  
 Bore Size NQ  
 Sample Storage Marathon laydown  
 Casing NONE  
 Condition Cemented

Survey Details:

Claim Number MLO-10658  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool SURV

Coordinates:

Target Easting 431114.50  
 Comments UTM Datum NAD83 Northing 5267711.76  
 UTM Zone 17 Elevation 381.01

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
27.0	335.18	-60.38									
78.0	330.26	-59.90									
132.0	336.36	-59.87									
183.0	332.19	-59.80									

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>0.00</b>	<b>27.30</b>	<b>Overburden</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	27.30	27.30			Unaltered	0%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>27.30</b>	<b>50.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
27.30	28.00	0.70	1079517	0.034	Silicified	1%	x
28.00	29.00	1.00	1079518	0.076	Silicified	1%	x
29.00	30.00	1.00	1079519	0.051	Silicified	1%	x
30.00	31.00	1.00	1079520	0.044	Silicified	2%	x
31.00	32.00	1.00	1079521	0.132	Silicified	1%	x
32.00	33.00	1.00	1079522	0.080	Silicified	1%	x
33.00	34.00	1.00	1079523	0.059	Silicified	2%	x
34.00	35.00	1.00	1079525	0.061	Silicified	2%	x
35.00	36.00	1.00	1079526	0.056	Silicified	1%	x
36.00	37.00	1.00	1079527	0.088	Silicified	3%	x
37.00	38.00	1.00	1079528	0.050	Silicified	1%	x
38.00	39.00	1.00	1079529	0.073	Silicified	1%	x
39.00	40.00	1.00	1079531	0.114	Silicified	2%	x
40.00	41.00	1.00	1079532	0.094	Silicified	2%	x
41.00	42.00	1.00	1079533	0.085	Silicified	1%	x
42.00	43.00	1.00	1079534	0.192	Silicified	1%	x
43.00	44.00	1.00	1079535	0.182	Silicified	2%	x
44.00	45.00	1.00	1079537	0.307	Silicified	2%	x
45.00	46.00	1.00	1079538	2.400	Silicified	2%	x ton 2 bx?
46.00	47.00	1.00	1079539	0.110	Silicified	2%	x ton 2 bx?
47.00	48.00	1.00	1079540	0.080	Silicified	2%	x ton 2 bx?
48.00	49.00	1.00	1079541	0.768	Silicified	3%	x ton 2 bx?
49.00	50.00	1.00	1079542	0.211	Silicified	2%	x ton 2 bx?

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>50.00</b>	<b>52.00</b>	<b>Tonalite 2 Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
50.00	51.00	1.00	1079543	1.606	Silicified	8%	x 25% mtx
51.00	52.00	1.00	1079544	0.026	Silicified	3%	x 70% mtx

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>52.00</b>	<b>54.00</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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52.00	53.00	1.00	1079545	2.478	Silicified	2%	x
53.00	54.00	1.00	1079546	0.060	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>54.00</b>	<b>54.50</b>	<b>Diabase</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
54.00	54.50	0.50	1079547	0.007	Unaltered	0%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>54.50</b>	<b>61.30</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
54.50	56.00	1.50	1079549	0.124	Silicified	2%	x
56.00	57.00	1.00	1079551	0.147	Silicified	3%	x
57.00	58.00	1.00	1079552	0.082	Silicified	35%	x
58.00	59.00	1.00	1079553	0.057	Silicified	10%	x
59.00	60.00	1.00	1079554	0.036	Silicified	2%	x
60.00	61.30	1.30	1079555	0.019	Silicified	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>61.30</b>	<b>62.30</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
61.30	62.30	1.00	1079556	0.089	Silicified	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>62.30</b>	<b>64.05</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
62.30	63.00	0.70	1079557	0.138	Chloritic alteration	2%	x
63.00	64.05	1.05	1079558	0.042	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>64.05</b>	<b>64.55</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
64.05	64.55	0.50	1079559	0.021	Biotitic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>64.55</b>	<b>65.00</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
64.55	65.00	0.45	1079561	0.027	Chloritic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>65.00</b>	<b>66.50</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
65.00	66.00	1.00	1079562	3.690	Sericitic alteration	8%	x
66.00	66.50	0.50	1079563	2.171	Sericitic alteration	8%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>66.50</b>	<b>68.40</b>	<b>Quartz Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
66.50	67.50	1.00	1079564	0.100	Chloritic alteration	4%	x

67.50	68.40	0.90	1079565	0.028	Chloritic alteration	2%	x
<b>From</b> <b>68.40</b>	<b>To</b> <b>69.44</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
68.40	69.44	1.04	1079566	0.078	Silicified	2%	x ton frg
<b>From</b> <b>69.44</b>	<b>To</b> <b>74.00</b>		<b>Lithologic Group</b> <b>Quartz Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
69.44	70.00	0.56	1079567	0.118	Chloritic alteration	2%	x
70.00	71.00	1.00	1079568	0.110	Chloritic alteration	2%	x
71.00	72.00	1.00	1079569	0.136	Chloritic alteration	2%	x
72.00	73.00	1.00	1079571	0.065	Chloritic alteration	2%	x
73.00	74.00	1.00	1079573	0.069	Chloritic alteration	1%	x
<b>From</b> <b>74.00</b>	<b>To</b> <b>76.75</b>		<b>Lithologic Group</b> <b>Tonalite 2 Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
74.00	75.00	1.00	1079574	0.028	Chloritic alteration	2%	x ~5% mtx
75.00	76.00	1.00	1079575	0.040	Silicified	3%	x ~20% mtx ton frg and dr frg
76.00	76.75	0.75	1079576	0.085	Silicified	3%	x ~20% mtx ton frg and dr frg
<b>From</b> <b>76.75</b>	<b>To</b> <b>93.00</b>		<b>Lithologic Group</b> <b>Tonalite 2</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
76.75	78.00	1.25	1079577	0.048	Silicified	3%	x
78.00	79.00	1.00	1079578	0.367	Silicified	3%	x
79.00	80.00	1.00	1079579	0.032	Silicified	3%	x
80.00	81.00	1.00	1079580	0.030	Silicified	3%	x
81.00	82.00	1.00	1079581	0.059	Silicified	3%	x
82.00	83.00	1.00	1079582	0.064	Silicified	3%	x
83.00	84.00	1.00	1079583	0.028	Silicified	3%	x
84.00	85.00	1.00	1079585	0.072	Silicified	3%	x
85.00	86.00	1.00	1079586	0.069	Silicified	3%	x
86.00	87.00	1.00	1079587	0.125	Silicified	3%	x
87.00	88.00	1.00	1079588	0.040	Silicified	3%	x
88.00	89.00	1.00	1079589	0.026	Silicified	3%	x
89.00	90.00	1.00	1079591	0.024	Silicified	3%	x
90.00	91.00	1.00	1079592	0.033	Silicified	3%	x
91.00	92.00	1.00	1079593	0.029	Silicified	3%	x
92.00	93.00	1.00	1079594	0.075	Silicified	5%	x
<b>From</b> <b>93.00</b>	<b>To</b> <b>96.90</b>		<b>Lithologic Group</b> <b>Tonalite 2 Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
93.00	94.00	1.00	1079595	0.078	Silicified	5%	x

94.00	95.00	1.00	1079597	0.102	Silicified	5%	x
95.00	96.00	1.00	1079598	0.053	Silicified	4%	x
96.00	96.90	0.90	1079599	0.058	Silicified	4%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>96.90</b>	<b>114.54</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
96.90	98.00	1.10	1079600	0.050	Silicified	2%	x
98.00	99.00	1.00	1079601	0.012	Silicified	2%	x
99.00	100.00	1.00	1079602	0.089	Silicified	2%	x
100.00	101.00	1.00	1079603	0.033	Silicified	2%	x
101.00	102.00	1.00	1079604	0.041	Silicified	2%	x
102.00	103.00	1.00	1079605	0.372	Silicified	2%	x
103.00	104.00	1.00	1079606	0.113	Silicified	2%	x
104.00	105.00	1.00	1079607	0.304	Silicified	2%	x
105.00	106.00	1.00	1079608	0.063	Silicified	2%	x
106.00	107.00	1.00	1079609	0.014	Silicified	2%	x
107.00	108.00	1.00	1079611	0.053	Silicified	2%	x
108.00	109.00	1.00	1079613	0.050	Silicified	2%	x
109.00	110.00	1.00	1079614	0.923	Silicified	2%	x
110.00	111.00	1.00	1079615	0.071	Silicified	2%	x
111.00	112.00	1.00	1079616	0.255	Silicified	4%	x
112.00	113.00	1.00	1079617	0.019	Silicified	8%	x
113.00	114.00	1.00	1079618	0.061	Silicified	2%	x
114.00	114.54	0.54	1079619	0.073	Silicified	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>114.54</b>	<b>122.00</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
114.54	116.00	1.46	1079620	0.365	Silicified	4%	x
116.00	117.00	1.00	1079621	0.252	Silicified	4%	x
117.00	118.00	1.00	1079622	0.115	Silicified	4%	x
118.00	119.00	1.00	1079623	0.059	Silicified	6%	x
119.00	120.00	1.00	1079625	0.304	Silicified	8%	x
120.00	121.00	1.00	1079626	0.226	Silicified	3%	x
121.00	122.00	1.00	1079627	0.051	Silicified	15%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>122.00</b>	<b>127.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
122.00	123.00	1.00	1079628	0.070	Silicified	2%	x
123.00	123.60	0.60	1079629	0.064	Silicified	2%	x
123.60	124.70	1.10	1079631	0.014	Silicified	35%	x
124.70	126.00	1.30	1079632	0.172	Sericitic alteration	4%	x
126.00	127.00	1.00	1079633	0.097	Sericitic alteration	6%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>127.00</b>	<b>128.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
127.00	128.00	1.00	1079634	0.192	Sericitic alteration	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>128.00</b>	<b>130.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
128.00	128.66	0.66	1079635	0.220	Sericitic alteration	2%	x
128.66	130.00	1.34	1079637	0.150	Silicified	11%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>130.00</b>	<b>132.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
130.00	131.00	1.00	1079638	0.128	Silicified	3%	x bxdr frag
131.00	132.00	1.00	1079639	0.084	Silicified	3%	x bxdr frag
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>132.00</b>	<b>140.00</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
132.00	133.00	1.00	1079640	0.019	Silicified	2%	x
133.00	134.00	1.00	1079641	0.050	Silicified	2%	x
134.00	135.00	1.00	1079642	0.107	Silicified	2%	x
135.00	136.00	1.00	1079643	0.107	Silicified	2%	x
136.00	137.00	1.00	1079644	0.027	Silicified	2%	x
137.00	138.00	1.00	1079645	0.240	Silicified	2%	x
138.00	139.00	1.00	1079646	0.203	Silicified	2%	x
139.00	140.00	1.00	1079647	0.149	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>140.00</b>	<b>141.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
140.00	141.00	1.00	1079649	0.558	Silicified	8%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>141.00</b>	<b>144.00</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
141.00	142.00	1.00	1079651	0.265	Silicified	2%	x
142.00	143.00	1.00	1079652	0.116	Silicified	3%	x
143.00	144.00	1.00	1079653	0.183	Silicified	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>144.00</b>	<b>145.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
144.00	145.00	1.00	1079654	0.246	Silicified	2%	x bxdr frag

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>145.00</b>	<b>148.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
145.00	146.00	1.00	1079655	0.168	Silicified	2%	x
146.00	147.00	1.00	1079656	0.237	Silicified	4%	x
147.00	148.00	1.00	1079657	0.215	Silicified	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>148.00</b>	<b>152.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
148.00	149.00	1.00	1079658	0.140	Silicified	10%	x
149.00	150.00	1.00	1079659	0.726	Silicified	1%	x
150.00	151.00	1.00	1079661	0.035	Silicified	1%	x
151.00	152.00	1.00	1079662	0.480	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>152.00</b>	<b>154.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
152.00	153.00	1.00	1079663	0.008	Silicified	3%	x
153.00	154.00	1.00	1079664	0.005	Silicified	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>154.00</b>	<b>158.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
154.00	155.00	1.00	1079665	0.497	Silicified	2%	x
155.00	156.00	1.00	1079666	0.052	Silicified	2%	x
156.00	157.00	1.00	1079667	0.359	Silicified	3%	x small dyke in
157.00	158.00	1.00	1079668	0.889	Silicified	5%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>158.00</b>	<b>159.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
158.00	159.00	1.00	1079669	0.287	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>159.00</b>	<b>159.80</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
159.00	159.80	0.80	1079671	0.042	Silicified	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>159.80</b>	<b>160.55</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
159.80	160.55	0.75	1079673	0.007	Chloritic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>160.55</b>	<b>176.62</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
160.55	162.00	1.45	1079674	0.084	Silicified	4%	x

162.00	163.00	1.00	1079675	0.093	Silicified	2%	x
163.00	164.00	1.00	1079676	0.434	Silicified	1%	x
164.00	165.00	1.00	1079677	0.037	Silicified	1%	x
165.00	166.00	1.00	1079678	0.031	Silicified	1%	x
166.00	167.00	1.00	1079679	0.063	Silicified	10%	x
167.00	168.00	1.00	1079680	0.043	Silicified	1%	x
168.00	169.00	1.00	1079681	0.036	Silicified	1%	x
169.00	170.00	1.00	1079682	0.023	Silicified	1%	x
170.00	171.00	1.00	1079683	0.037	Silicified	3%	x
171.00	172.00	1.00	1079685	0.050	Silicified	2%	x
172.00	173.00	1.00	1079686	0.066	Silicified	2%	x
173.00	174.00	1.00	1079687	0.046	Silicified	5%	x
174.00	175.00	1.00	1079688	0.194	Silicified	4%	x
175.00	176.00	1.00	1079689	0.127	Silicified	4%	x
176.00	176.62	0.62	1079691	0.054	Silicified	4%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>176.62</b>	<b>177.24</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
176.62	177.24	0.62	1079692	0.566	Chloritic alteration	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>177.24</b>	<b>183.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
177.24	178.00	0.76	1079693	0.056	Silicified	3%	x
178.00	179.00	1.00	1079694	0.227	Silicified	2%	x small dyke
179.00	180.00	1.00	1079695	0.069	Silicified	7%	x
180.00	181.00	1.00	1079697	0.028	Silicified	2%	x
181.00	182.00	1.00	1079698	0.626	Silicified	1%	x
182.00	183.00	1.00	1079699	0.025	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>183.00</b>	<b>185.10</b>	<b>Tonalite 2 Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
183.00	184.00	1.00	1079700	0.008	Silicified	2%	x ~10% mtx
184.00	185.10	1.10	1079701	0.254	Silicified	2%	x ~50% mx

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>185.10</b>	<b>198.40</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
185.10	186.00	0.90	1079702	0.156	Silicified	4%	x
186.00	187.00	1.00	1079703	0.129	Silicified	4%	x
187.00	188.00	1.00	1079704	0.068	Silicified	2%	x
188.00	189.00	1.00	1079705	0.033	Silicified	2%	x
189.00	190.00	1.00	1079706	0.063	Silicified	1%	x
190.00	191.00	1.00	1079707	0.039	Silicified	1%	x

191.00	192.00	1.00	1079708	0.064	Silicified	1%	x
192.00	193.00	1.00	1079709	0.020	Silicified	1%	x
193.00	194.00	1.00	1079711	0.088	Silicified	1%	x
194.00	195.00	1.00	1079713	0.156	Silicified	1%	x
195.00	196.00	1.00	1079714	0.097	Silicified	2%	x
196.00	197.00	1.00	1079715	0.066	Silicified	2%	x
197.00	198.40	1.40	1079716	0.059	Silicified	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>198.40</b>	<b>199.40</b>	<b>Tonalite 2 Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
198.40	199.40	1.00	1079717	0.288	Silicified	2%	x ton fragment

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>199.40</b>	<b>201.20</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
199.40	200.00	0.60	1079718	0.252	Silicified	1%	x
200.00	201.20	1.20	1079719	0.399	Sericitic alteration	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>201.20</b>	<b>202.55</b>	<b>Diabase</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
201.20	202.55	1.35	1079720	0.006	Unaltered	0%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>202.55</b>	<b>260.70</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
202.55	204.00	1.45	1079721	0.091	Silicified	4%	x
204.00	205.00	1.00	1079722	0.096	Silicified	4%	x
205.00	206.00	1.00	1079723	0.195	Silicified	6%	x
206.00	207.00	1.00	1079725	0.218	Silicified	2%	x
207.00	208.00	1.00	1079726	0.113	Silicified	1%	x
208.00	209.00	1.00	1079727	0.094	Silicified	4%	x
209.00	210.00	1.00	1079728	0.101	Silicified	6%	x
210.00	211.00	1.00	1079729	0.178	Silicified	1%	x
211.00	212.00	1.00	1079731	0.076	Silicified	1%	x
212.00	213.00	1.00	1079732	0.034	Silicified	1%	x
213.00	214.00	1.00	1079733	0.064	Silicified	1%	x
214.00	215.00	1.00	1079734	0.077	Silicified	1%	x
215.00	216.00	1.00	1079735	0.047	Silicified	1%	x
216.00	217.00	1.00	1079737	0.050	Silicified	1%	x
217.00	218.00	1.00	1079738	0.088	Silicified	4%	x
218.00	219.00	1.00	1079739	0.078	Silicified	2%	x
219.00	220.00	1.00	1079740	0.098	Silicified	1%	x
220.00	221.00	1.00	1079741	0.072	Silicified	2%	x
221.00	222.00	1.00	1079742	0.066	Silicified	2%	x

222.00	223.00	1.00	1079743	0.100	Silicified	1%	x
223.00	224.00	1.00	1079744	0.103	Silicified	2%	x
224.00	225.00	1.00	1079745	0.077	Silicified	2%	x
225.00	226.00	1.00	1079746	0.075	Silicified	2%	x
226.00	227.00	1.00	1079747	0.082	Silicified	2%	x
227.00	228.00	1.00	1079749	0.123	Silicified	2%	x
228.00	229.00	1.00	1079751	0.064	Silicified	3%	x
229.00	230.00	1.00	1079752	0.160	Silicified	3%	x
230.00	231.00	1.00	1079753	0.042	Silicified	3%	x
231.00	232.00	1.00	1079754	0.115	Silicified	2%	x
232.00	233.00	1.00	1079755	0.050	Silicified	1%	x
233.00	234.00	1.00	1079756	0.048	Silicified	2%	x
234.00	235.00	1.00	1079757	0.069	Silicified	1%	x
235.00	236.00	1.00	1079758	0.100	Silicified	1%	x
236.00	237.00	1.00	1079759	0.027	Silicified	2%	x
237.00	238.00	1.00	1079761	0.019	Silicified	2%	x
238.00	239.00	1.00	1079762	0.065	Silicified	2%	x
239.00	240.00	1.00	1079763	0.044	Silicified	2%	x
240.00	241.00	1.00	1079764	0.131	Silicified	3%	x
241.00	242.00	1.00	1079765	0.067	Silicified	2%	x
242.00	243.00	1.00	1079766	0.026	Silicified	2%	x
243.00	244.00	1.00	1079767	0.053	Silicified	2%	x
244.00	245.00	1.00	1079768	0.073	Silicified	3%	x
245.00	246.00	1.00	1079769	0.048	Silicified	2%	x
246.00	247.00	1.00	1079771	0.058	Silicified	4%	x
247.00	248.00	1.00	1079773	0.925	Silicified	6%	x
248.00	249.00	1.00	1079774	0.180	Silicified	4%	x
249.00	250.00	1.00	1079775	0.147	Silicified	4%	x
250.00	251.00	1.00	1079776	0.133	Silicified	6%	x
251.00	252.00	1.00	1079777	0.024	Silicified	6%	x
252.00	253.00	1.00	1079778	0.115	Silicified	4%	x
253.00	254.00	1.00	1079779	0.046	Silicified	3%	x
254.00	255.00	1.00	1079780	0.075	Silicified	3%	x
255.00	256.00	1.00	1079781	0.197	Silicified	3%	x
256.00	257.00	1.00	1079782	0.149	Silicified	3%	x
257.00	258.00	1.00	1079783	1.028	Silicified	4%	x
258.00	259.00	1.00	1079785	0.179	Silicified	6%	x
259.00	260.00	1.00	1079786	7.960	Silicified	10%	x
260.00	260.70	0.70	1079787	1.477	Silicified	6%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>260.70</b>	<b>278.15</b>	<b>Tonalite</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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260.70	262.00	1.30	1079788	1.779	Silicified	3%	x
262.00	263.00	1.00	1079789	1.019	Silicified	3%	x
263.00	264.00	1.00	1079791	0.292	Silicified	3%	x
264.00	265.00	1.00	1079792	0.421	Silicified	3%	x
265.00	266.00	1.00	1079793	1.178	Silicified	3%	x
266.00	267.00	1.00	1079794	0.391	Silicified	5%	x
267.00	268.00	1.00	1079795	0.710	Silicified	2%	x
268.00	269.00	1.00	1079797	2.095	Silicified	1%	x
269.00	270.00	1.00	1079798	0.875	Silicified	1%	x
270.00	271.00	1.00	1079799	0.221	Silicified	5%	x
271.00	272.00	1.00	1079800	0.859	Silicified	2%	x
272.00	273.00	1.00	1079801	0.128	Silicified	3%	x
273.00	274.00	1.00	1079802	0.487	Silicified	2%	x
274.00	275.00	1.00	1079803	0.141	Sericitic alteration	1%	x
275.00	276.00	1.00	1079804	0.635	Sericitic alteration	2%	x
276.00	277.00	1.00	1079805	0.503	Silicified	1%	x
277.00	278.15	1.15	1079806	0.045	Silicified	4%	x 50cm dyke

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>278.15</b>	<b>286.00</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
278.15	279.00	0.85	1079807	0.124	Silicified	1%	x
279.00	280.00	1.00	1079808	0.337	Silicified	2%	x
280.00	281.00	1.00	1079809	0.171	Silicified	2%	x
281.00	282.00	1.00	1079811	0.042	Silicified	2%	x
282.00	283.00	1.00	1079813	0.079	Silicified	2%	x
283.00	284.00	1.00	1079814	0.074	Silicified	2%	x
284.00	285.00	1.00	1079815	0.085	Silicified	3%	x
285.00	286.00	1.00	1079816	0.043	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>286.00</b>	<b>286.55</b>	<b>Tonalite 2 Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
286.00	286.55	0.55	1079817	0.110	Silicified	4%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>286.55</b>	<b>288.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
286.55	288.00	1.45	1079818	0.752	Silicified	8%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>288.00</b>	<b>289.00</b>	<b>Tonalite 2 Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
288.00	289.00	1.00	1079819	0.480	Silicified	4%	x

<b>From</b> <b>289.00</b>	<b>To</b> <b>357.50</b>	<b>Lithologic Group</b>					
		<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
289.00	290.00	1.00	1079820	0.520	Silicified	2%	x
290.00	291.00	1.00	1079821	0.688	Silicified	3%	x
291.00	292.00	1.00	1079822	0.331	Silicified	4%	x
292.00	293.00	1.00	1079823	0.258	Silicified	5%	x
293.00	294.00	1.00	1079825	0.389	Silicified	5%	x
294.00	295.00	1.00	1079826	0.526	Silicified	4%	x
295.00	296.00	1.00	1079827	0.329	Silicified	2%	x
296.00	297.00	1.00	1079828	0.667	Silicified	2%	x
297.00	298.00	1.00	1079829	0.548	Silicified	4%	x
298.00	299.00	1.00	1079831	2.740	Silicified	4%	x
299.00	300.00	1.00	1079832	0.613	Sericitic alteration	1%	x
300.00	301.00	1.00	1079833	0.605	Silicified	2%	x
301.00	302.00	1.00	1079834	4.290	Silicified	1%	x
302.00	303.00	1.00	1079835	5.260	Silicified	2%	x
303.00	304.00	1.00	1079837	2.260	Silicified	2%	x
304.00	305.00	1.00	1079838	0.755	Silicified	4%	x
305.00	306.00	1.00	1079839	1.361	Silicified	2%	x
306.00	307.00	1.00	1079840	0.628	Silicified	2%	x
307.00	308.00	1.00	1079841	0.714	Silicified	4%	x
308.00	309.00	1.00	1079842	0.804	Silicified	5%	x
309.00	310.00	1.00	1079843	0.516	Silicified	2%	x
310.00	311.00	1.00	1079844	0.250	Silicified	3%	x
311.00	312.00	1.00	1079845	3.950	Silicified	3%	x
312.00	313.00	1.00	1079846	1.055	Silicified	3%	x
313.00	314.00	1.00	1079847	2.808	Sericitic alteration	5%	x
314.00	315.00	1.00	1079849	0.552	Sericitic alteration	5%	x
315.00	316.00	1.00	1079851	0.298	Silicified	4%	x
316.00	317.00	1.00	1079852	0.702	Silicified	3%	x
317.00	318.00	1.00	1079853	0.681	Silicified	6%	x
318.00	319.00	1.00	1079854	0.578	Silicified	3%	x
319.00	320.00	1.00	1079855	0.493	Silicified	3%	x
320.00	321.00	1.00	1079856	0.338	Silicified	3%	x
321.00	322.00	1.00	1079857	0.826	Silicified	3%	x
322.00	323.00	1.00	1079858	0.673	Silicified	4%	x
323.00	324.00	1.00	1079859	0.364	Silicified	4%	x
324.00	325.00	1.00	1079861	0.389	Silicified	2%	x
325.00	326.00	1.00	1079862	0.439	Silicified	2%	x
326.00	327.00	1.00	1079863	0.296	Sericitic alteration	3%	x
327.00	328.00	1.00	1079864	0.210	Silicified	6%	x

328.00	329.00	1.00	1079865	0.219	Silicified	2%	x
329.00	330.00	1.00	1079866	0.593	Silicified	3%	x
330.00	331.00	1.00	1079867	0.540	Silicified	6%	x
331.00	332.00	1.00	1079868	0.563	Silicified	3%	x
332.00	333.00	1.00	1079869	0.483	Silicified	10%	x
							x
							x
333.00	334.00	1.00	1079871	0.352	Silicified	1%	x
334.00	335.00	1.00	1079873	0.254	Silicified	2%	x
335.00	336.00	1.00	1079874	0.236	Silicified	2%	x
336.00	337.00	1.00	1079875	0.530	Silicified	1%	x
337.00	338.00	1.00	1079876	1.629	Silicified	2%	x
338.00	339.00	1.00	1079877	0.739	Sericitic alteration	2%	x
339.00	340.00	1.00	1079878	0.430	Sericitic alteration	2%	x
340.00	341.00	1.00	1079879	2.573	Silicified	10%	x
341.00	342.00	1.00	1079880	1.415	Silicified	2%	x
342.00	343.00	1.00	1079881	0.376	Silicified	5%	x
343.00	344.00	1.00	1079882	1.205	Silicified	2%	x
344.00	345.00	1.00	1079883	0.943	Silicified	2%	x
345.00	346.00	1.00	1079885	2.079	Silicified	3%	x
346.00	347.00	1.00	1079886	0.235	Silicified	3%	x
347.00	348.00	1.00	1079887	3.270	Silicified	2%	x
348.00	349.00	1.00	1079888	3.680	Silicified	8%	x
349.00	350.00	1.00	1079889	2.806	Silicified	8%	x
350.00	351.00	1.00	1079891	0.894	Silicified	4%	x
351.00	352.00	1.00	1079892	0.704	Silicified	10%	x
352.00	353.00	1.00	1079893	1.175	Silicified	2%	x
353.00	354.00	1.00	1079894	1.126	Silicified	4%	x
354.00	355.00	1.00	1079895	0.508	Silicified	8%	x
355.00	356.00	1.00	1079897	0.193	Sericitic alteration	6%	x
356.00	357.50	1.50	1079898	0.147	Sericitic alteration	6%	x

From	To	Lithologic Group					
357.50	359.50	Diabase					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
357.50	359.50	2.00	1079899	0.005	Unaltered	0%	x

From	To	Lithologic Group					
359.50	364.00	Tonalite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
359.50	361.00	1.50	1079900	0.343	Silicified	4%	x
361.00	362.00	1.00	1079901	1.645	Silicified	6%	x
362.00	363.00	1.00	1079902	0.590	Silicified	2%	x
363.00	364.00	1.00	1079903	0.388	Silicified	8%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>364.00</b>	<b>365.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
364.00	365.00	1.00	1079904	0.696	Silicified	10%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>365.00</b>	<b>368.90</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
365.00	366.00	1.00	1079905	0.288	Silicified	70%	x flt zone ?
366.00	367.00	1.00	1079906	2.917	Silicified	70%	x flt zone ?
367.00	368.00	1.00	1079907	1.708	Silicified	70%	x flt zone ?
368.00	368.90	0.90	1079908	1.190	Silicified	70%	x flt zone ?
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>368.90</b>	<b>369.70</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
368.90	369.70	0.80	1079909	1.297	Chloritic alteration	10%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>369.70</b>	<b>371.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
369.70	371.00	1.30	1079911	0.254	Silicified	6%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>371.00</b>	<b>372.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
371.00	372.00	1.00	1079913	1.289	Silicified	6%	x flt bx ?
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>372.00</b>	<b>381.85</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
372.00	373.00	1.00	1079914	0.742	Silicified	3%	x
373.00	374.00	1.00	1079915	0.195	Silicified	3%	x
374.00	375.00	1.00	1079916	0.091	Silicified	3%	x
375.00	376.00	1.00	1079917	0.212	Silicified	45%	x
376.00	377.00	1.00	1079918	0.249	Silicified	45%	x
377.00	378.00	1.00	1079919	0.199	Silicified	60%	x
378.00	379.00	1.00	1079920	0.684	Silicified	60%	x
379.00	380.00	1.00	1079921	1.060	Silicified	25%	x
380.00	381.00	1.00	1079922	0.352	Silicified	10%	x
381.00	381.85	0.85	1079923	0.641	Silicified	20%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>381.85</b>	<b>383.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
381.85	383.00	1.15	1079925	0.061	Silicified	50%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>383.00</b>	<b>386.80</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
383.00	384.00	1.00	1079926	0.128	Silicified	2%	x
384.00	385.00	1.00	1079927	0.430	Silicified	2%	x
385.00	386.00	1.00	1079928	0.851	Silicified	2%	x
386.00	386.80	0.80	1079929	0.987	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>386.80</b>	<b>387.90</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
386.80	387.90	1.10	1079931	1.642	Silicified	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>387.90</b>	<b>398.50</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
387.90	389.00	1.10	1079932	1.804	Silicified	2%	x
389.00	390.00	1.00	1079933	2.497	Silicified	3%	x
390.00	391.00	1.00	1079934	4.330	Silicified	5%	x
391.00	392.00	1.00	1079935	1.298	Silicified	2%	x
392.00	393.00	1.00	1079937	10.500	Silicified	3%	x
393.00	394.00	1.00	1079938	0.945	Silicified	3%	x
394.00	395.40	1.40	1079939	0.234	Silicified	20%	x
395.40	395.90	0.50	1079940	0.181	Silicified	2%	x
395.90	397.00	1.10	1079941	0.159	Silicified	2%	x
397.00	398.00	1.00	1079942	0.252	Silicified	2%	x
398.00	398.50	0.50	1079943	0.100	Silicified	35%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>398.50</b>	<b>399.00</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
398.50	399.00	0.50	1079944	0.022	Chloritic alteration	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>399.00</b>	<b>408.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
399.00	400.00	1.00	1079945	0.158	Silicified	5%	x
400.00	401.00	1.00	1079946	0.223	Silicified	35%	x
401.00	402.00	1.00	1079947	0.551	Silicified	3%	x
402.00	403.00	1.00	1079949	0.178	Silicified	3%	x
403.00	404.00	1.00	1079951	0.178	Silicified	4%	x
404.00	405.00	1.00	1079952	0.268	Silicified	30%	x
405.00	406.00	1.00	1079953	0.861	Silicified	2%	x
406.00	407.00	1.00	1079954	4.260	Silicified	2%	x
407.00	408.00	1.00	1079955	0.303	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>408.00</b>	<b>416.50</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
408.00	409.00	1.00	1079956	0.491	Silicified	2%	x
409.00	410.00	1.00	1079957	2.227	Silicified	4%	x
410.00	411.00	1.00	1079958	3.510	Silicified	5%	x
411.00	412.00	1.00	1079959	2.373	Silicified	5%	x
412.00	413.00	1.00	1079961	1.225	Silicified	5%	x
413.00	414.00	1.00	1079962	2.430	Silicified	5%	x
414.00	415.00	1.00	1079963	1.202	Silicified	5%	x
415.00	416.00	1.00	1079964	0.997	Silicified	3%	x
416.00	416.50	0.50	1079965	0.381	Silicified	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>416.50</b>	<b>427.95</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
416.50	417.00	0.50	1079966	0.562	Silicified	2%	x
417.00	418.00	1.00	1079967	1.758	Silicified	2%	x
418.00	419.00	1.00	1079968	2.509	Silicified	3%	x
419.00	420.00	1.00	1079969	0.243	Silicified	3%	x
420.00	421.00	1.00	1079971	0.266	Silicified	8%	x
421.00	422.00	1.00	1079973	0.264	Silicified	6%	x
422.00	423.00	1.00	1079974	0.160	Silicified	2%	x
423.00	424.00	1.00	1079975	0.391	Silicified	2%	x
424.00	425.00	1.00	1079976	0.338	Silicified	2%	x
425.00	426.00	1.00	1079977	0.616	Silicified	2%	x
426.00	427.00	1.00	1079978	1.334	Silicified	2%	x
427.00	427.95	0.95	1079979	0.770	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>427.95</b>	<b>432.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
427.95	429.00	1.05	1079980	0.340	Silicified	3%	x
429.00	430.00	1.00	1079981	1.507	Silicified	3%	x
430.00	431.00	1.00	1079982	2.375	Silicified	3%	x
431.00	432.00	1.00	1079983	0.669	Silicified	3%	x

# DRILL HOLE REPORT

Drill Hole **GOS20-41** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 330.0  
 Dip -60.0  
 Length 426.0 m  
 Started 08-Mar-20  
 Completed 15-Mar-20  
 Logged 06-Jul-20  
 Logged by Justin Bisailon

Company  
 Contractor NPLH  
 Position  
 Bore Size NQ  
 Sample Storage Marathon Laydown  
 Casing NONE  
 Condition Cemented

Survey Details:

Claim Number MLO-10658  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Single-shot (unspecified)  
 Coord Survey Tool SURV

Coordinates:

Target Easting 430851.11  
 Comments UTM Datum NAD83 Northing 5267704.76  
 UTM Zone 17 Elevation 381.03

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
21.0	336.30	-60.70				63.0	332.30	-60.10			
33.0	332.20	-60.60				66.0	332.40	-60.10			
36.0	331.70	-60.90				69.0	332.70	-60.10			
39.0	330.70	-60.20				75.0	332.60	-60.00			
42.0	332.00	-60.30				78.0	332.70	-60.10			
48.0	331.90	-60.20				81.0	332.70	-60.10			
51.0	331.80	-60.20				84.0	332.80	-60.00			
54.0	332.10	-60.20				87.0	332.70	-60.00			
57.0	332.40	-60.10				90.0	332.80	-60.00			
60.0	332.20	-60.10				93.0	333.00	-60.00			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
96.0	332.80	-60.00			
99.0	333.10	-60.00			
102.0	332.60	-60.70			
108.0	333.10	-59.80			
111.0	333.20	-59.80			
114.0	333.30	-59.80			
117.0	333.50	-59.80			
120.0	333.40	-59.80			
123.0	332.70	-60.40			
126.0	333.50	-59.70			
129.0	333.60	-59.80			
132.0	333.60	-59.80			
135.0	333.70	-59.70			
138.0	333.60	-59.80			
141.0	333.80	-59.70			
144.0	333.70	-59.70			
147.0	333.70	-59.80			
150.0	333.70	-59.70			
153.0	333.70	-59.80			
156.0	333.60	-59.80			
159.0	332.80	-59.90			
162.0	333.70	-59.80			
165.0	333.70	-59.80			
168.0	333.80	-59.70			
171.0	333.80	-59.70			
174.0	333.70	-59.70			
177.0	333.80	-59.60			
180.0	333.90	-59.70			
183.0	334.10	-59.70			
186.0	333.90	-59.60			
189.0	334.10	-59.60			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
192.0	333.90	-59.60			
195.0	333.60	-59.60			
198.0	333.90	-59.60			
201.0	333.90	-59.50			
204.0	333.70	-59.50			
207.0	333.40	-59.50			
210.0	334.60	-59.50			
213.0	333.90	-59.50			
216.0	333.80	-59.40			
219.0	333.90	-59.40			
222.0	333.90	-59.40			
225.0	333.90	-59.40			
228.0	333.80	-59.30			
231.0	333.90	-59.30			
234.0	333.70	-59.30			
237.0	333.70	-59.20			
240.0	333.50	-59.20			
243.0	333.50	-59.10			
246.0	333.80	-59.10			
249.0	334.20	-59.20			
252.0	334.10	-59.20			
255.0	334.10	-59.10			
258.0	334.40	-59.10			
261.0	334.10	-59.10			
264.0	334.10	-59.10			
267.0	334.20	-59.10			
270.0	334.20	-59.00			
273.0	334.30	-59.00			
276.0	334.30	-59.00			
279.0	334.40	-58.90			
282.0	334.40	-58.90			



Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
285.0	334.40	-58.90			
288.0	334.40	-58.90			
291.0	334.50	-58.90			
294.0	334.50	-58.80			
297.0	334.60	-58.80			
300.0	334.60	-58.80			
303.0	334.60	-58.70			
306.0	335.00	-58.70			
309.0	334.80	-58.70			
312.0	335.00	-58.60			
315.0	334.80	-58.60			
318.0	334.90	-58.60			
321.0	334.90	-58.50			
324.0	335.10	-58.50			
327.0	335.20	-58.50			
330.0	335.20	-58.40			
333.0	335.20	-58.50			
336.0	335.30	-58.50			
339.0	335.30	-58.50			
342.0	335.40	-58.40			
345.0	335.60	-58.40			
348.0	335.50	-58.30			
351.0	335.50	-58.20			
354.0	335.70	-58.20			
357.0	335.60	-58.20			
360.0	335.60	-58.20			
363.0	335.80	-58.20			
366.0	335.70	-58.20			
369.0	335.80	-58.20			
372.0	335.90	-58.20			
375.0	335.70	-58.20			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
378.0	335.80	-58.20			
381.0	336.00	-58.20			
384.0	336.00	-58.20			
387.0	335.90	-58.20			
390.0	336.00	-58.20			
393.0	336.10	-58.20			
396.0	336.10	-58.10			
399.0	336.20	-58.10			
402.0	336.10	-58.10			
405.0	336.20	-58.10			
408.0	336.30	-58.10			
411.0	336.30	-58.10			
414.0	336.20	-58.10			
417.0	336.30	-58.10			
420.0	336.30	-58.10			
423.0	336.30	-58.10			
426.0	336.40	-58.10			

From	To	Lithologic Group					
0.00	17.74	Overburden					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	17.74	17.74			Unaltered		
From	To	Lithologic Group					
17.74	26.00	Diorite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
17.74	18.92	1.18	1078001	0.015	Chloritic alteration	1%	Top of hole, equigranular, massive, melanocratic (grey), medium grained
18.92	20.00	1.08	1078002	0.044	Chloritic alteration	2%	
20.00	21.00	1.00	1078003	0.017	Chloritic alteration	1%	
21.00	22.00	1.00	1078004	0.156	Chloritic alteration	1%	
22.00	22.74	0.74	1078005	0.011	Chloritic alteration	1%	
22.74	24.00	1.26	1078006	0.081	Chloritic alteration	1%	coarse grained
24.00	24.40	0.40	1078007	0.008	Chloritic alteration	1%	some quartz grains (couple percent)
24.40	25.24	0.84	1078008	0.062	Chloritic alteration	18%	strong alteration halo around 16 cm quartz vein
25.24	26.00	0.76	1078009	0.056	Chloritic alteration	1%	almost QDR
From	To	Lithologic Group					
26.00	38.00	Quartz diorite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
26.00	27.00	1.00	1078011	0.050	Biotitic alteration	0%	gradual change to QDR
27.00	28.22	1.22	1078013	0.085	Biotitic alteration	1%	
28.22	29.26	1.04	1078014	0.151	Chloritic alteration	3%	alt. halo around vein
29.26	30.00	0.74	1078015	0.052	Chloritic alteration		fragments of leucocratic QDR
30.00	31.06	1.06	1078016	0.005	Biotitic alteration	1%	moderate chlorite alt. halo around vein at 30.2m
31.06	32.00	0.94	1078017	0.119	Biotitic alteration	0%	
32.00	33.00	1.00	1078018	0.047	Biotitic alteration	0%	fine grained with quartz phenocrysts, Hem. Around quartz grains
33.00	34.00	1.00	1078019	0.007	Biotitic alteration	1%	
34.00	35.00	1.00	1078020	0.046	Biotitic alteration	1%	
35.00	36.00	1.00	1078021	0.005	Chloritic alteration	1%	
36.00	37.00	1.00	1078022	0.039	Chloritic alteration	4%	
37.00	38.00	1.00	1078023	0.013	Chloritic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>38.00</b>	<b>40.00</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
38.00	39.00	1.00	1078025	0.016	Chloritic alteration	1%	No longer enough quartz for QDR, medium grained, equigranular, massive, grey, melanocratic.
39.00	40.00	1.00	1078026	0.064	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>40.00</b>	<b>47.86</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
40.00	41.20	1.20	1078027	0.132	Chloritic alteration	6%	
41.20	42.00	0.80	1078028	0.013	Chloritic alteration	0%	
42.00	42.70	0.70	1078029	0.052	Chloritic alteration	1%	
42.70	43.36	0.66	1078031	0.318	Chloritic alteration	6%	strong chlorite alteration halo for vein at 42.83
43.36	44.00	0.64	1078032	0.079	Chloritic alteration	1%	
44.00	44.58	0.58	1078033	0.416	Chloritic alteration	1%	
44.58	45.50	0.92	1078034	0.192	Chloritic alteration	6%	foliated
45.50	46.22	0.72	1078035	0.088	Chloritic alteration	17%	12cm, multi-pulse quartz vein.
46.22	46.91	0.69	1078037	0.029	Chloritic alteration	10%	approaching contact
46.91	47.86	0.95	1078038	0.192	Chloritic alteration	24%	up to contact with tonalite, vein along/at contact
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>47.86</b>	<b>50.12</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
47.86	48.63	0.77	1078039	0.076	Sericitic alteration	3%	alteration stronger near contact
48.63	49.44	0.81	1078040	0.078	Sericitic alteration	1%	10% muscovite grains
49.44	50.12	0.68	1078041	0.105	Silicified	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>50.12</b>	<b>54.48</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
50.12	51.00	0.88	1078042	0.090	Chloritic alteration	1%	Fine grained, quartz phenocrystic, massive, melanocratic (greenish grey)
51.00	52.00	1.00	1078043	0.048	Chloritic alteration	0%	
52.00	52.54	0.54	1078044	0.049	Chloritic alteration	1%	
52.54	53.00	0.46	1078045	0.057	Chloritic alteration	1%	strong Chlorite alteration,
53.00	54.04	1.04	1078046	0.081	Chloritic alteration	2%	
54.04	54.48	0.44	1078047	0.044	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>54.48</b>	<b>56.35</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

54.48	55.12	0.64	1078049	0.452	Silicified	1%	Medium grained massive, equigranular, leucocratic, weakly altered
55.12	55.72	0.60	1078051	0.935	Silicified	2%	
55.72	56.35	0.63	1078052	0.280	Silicified	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>56.35</b>	<b>59.80</b>	<b>Quartz Diorite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
56.35	57.00	0.65	1078053	0.122	Biotitic alteration	1%	Medium grained 80% QDr (massive, melanocratic, quartz phenocrystic) and 20% Ton (leucocratic, massive, equigranular)
57.00	58.00	1.00	1078054	0.027	Silicified	1%	Medium grained 20% QDr (massive, melanocratic, quartz phenocrystic) and 20% Ton (leucocratic, massive, equigranular)
58.00	59.02	1.02	1078055	0.028	Biotitic alteration	2%	Medium grained 90% QDr (massive, melanocratic, quartz phenocrystic) and 10%(leucocratic, massive, equigranular)
59.02	59.80	0.78	1078056	0.394	Biotitic alteration	1%	Medium grained 95% QDr (massive, melanocratic, quartz phenocrystic) and 5%(leucocratic, massive, equigranular)

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>59.80</b>	<b>173.54</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
59.80	61.00	1.20	1078057	0.039	Silicified	2%	Massive, equigranular, leucocratic, medium grained
61.00	62.00	1.00	1078058	0.124	Silicified	1%	
62.00	63.00	1.00	1078059	0.244	Silicified	2%	
63.00	64.00	1.00	1078061	0.142	Silicified	3%	
64.00	65.00	1.00	1078062	0.167	Silicified	1%	
65.00	66.00	1.00	1078063	0.225	Silicified	3%	
66.00	67.00	1.00	1078064	0.054	Silicified	2%	
67.00	68.00	1.00	1078065	0.489	Silicified	1%	
68.00	69.00	1.00	1078066	0.049	Silicified	1%	
69.00	70.00	1.00	1078067	0.202	Silicified	1%	
70.00	71.00	1.00	1078068	0.400	Silicified	3%	
71.00	71.64	0.64	1078069	0.116	Silicified	1%	
71.64	72.21	0.57	1078071	0.180	Silicified	1%	
72.21	72.68	0.47	1078073	0.127	Silicified	1%	
72.68	73.58	0.90	1078074	0.121	Silicified	2%	
73.58	74.41	0.83	1078075	0.112	Silicified	3%	

74.41	75.00	0.59	1078076	0.248	Silicified	3%	
75.00	76.00	1.00	1078077	0.312	Silicified	1%	
76.00	77.04	1.04	1078078	0.245	Silicified	1%	
77.04	78.00	0.96	1078079	0.109	Silicified	1%	
78.00	79.00	1.00	1078080	0.196	Silicified	1%	
79.00	79.61	0.61	1078081	0.442	Silicified	3%	35% mafic dyke/vein, strong alteration halo, medium grained
79.61	80.23	0.62	1078082	0.829	Silicified	2%	
80.23	81.00	0.77	1078083	0.717	Silicified	1%	
81.00	82.00	1.00	1078085	0.757	Silicified	4%	
82.00	82.52	0.52	1078086	0.378	Silicified	1%	
82.52	83.56	1.04	1078087	1.142	Silicified	3%	
83.56	84.32	0.76	1078088	0.054	Silicified	1%	
84.32	84.98	0.66	1078089	0.369	Silicified	2%	
84.98	86.00	1.02	1078091	0.315	Silicified	1%	
86.00	87.00	1.00	1078092	0.554	Silicified	1%	
87.00	88.00	1.00	1078093	0.175	Silicified	0%	
88.00	89.00	1.00	1078094	0.170	Silicified	1%	
89.00	90.00	1.00	1078095	1.613	Silicified	1%	
90.00	91.00	1.00	1078097	0.127	Silicified	1%	
91.00	92.00	1.00	1078098	0.128	Silicified	2%	
92.00	93.00	1.00	1078099	0.065	Silicified	2%	
93.00	94.35	1.35	1078100	0.164	Silicified	3%	very fracture and broken core
94.35	95.00	0.65	1078101	0.025	Silicified	1%	
95.00	96.00	1.00	1078102	0.092	Silicified	2%	
96.00	97.00	1.00	1078103	0.271	Silicified	1%	
97.00	98.00	1.00	1078104	0.061	Silicified	1%	
98.00	99.00	1.00	1078105	0.054	Silicified	1%	
99.00	100.00	1.00	1078106	0.142	Silicified	1%	
100.00	101.00	1.00	1078107	0.773	Sericitic alteration	0%	
101.00	101.58	0.58	1078108	0.186	Sericitic alteration	0%	
101.58	103.00	1.42	1078109	0.061	Silicified	1%	
103.00	104.00	1.00	1078111	0.052	Silicified	1%	few small specs of VG in Bt-Chl VN at 103.13m.
104.00	105.00	1.00	1078114	0.126	Silicified	1%	
105.00	106.00	1.00	1078115	0.090	Silicified	2%	
106.00	107.00	1.00	1078116	0.023	Silicified	2%	
107.00	108.00	1.00	1078117	3.630	Sericitic alteration	3%	1 spec of VG on edge of Vein at 107.73m.
108.00	109.00	1.00	1078119	0.068	Sericitic alteration	4%	
109.00	110.00	1.00	1078120	0.073	Silicified	2%	
110.00	111.00	1.00	1078121	0.260	Sericitic alteration	2%	
111.00	112.00	1.00	1078122	0.086	Silicified	3%	

112.00	113.00	1.00	1078123	0.075	Sericitic alteration	2%
113.00	114.00	1.00	1078125	0.146	Sericitic alteration	2%
114.00	115.00	1.00	1078126	0.467	Sericitic alteration	2%
115.00	116.00	1.00	1078127	0.251	Sericitic alteration	2%
116.00	117.09	1.09	1078128	0.178	Sericitic alteration	2%
117.09	118.23	1.14	1078129	0.282	Sericitic alteration	2%
118.23	119.00	0.77	1078131	0.140	Sericitic alteration	1%
119.00	120.00	1.00	1078132	0.341	Sericitic alteration	2%
120.00	121.00	1.00	1078133	1.992	Sericitic alteration	2%
121.00	122.00	1.00	1078134	2.334	Sericitic alteration	3%
122.00	123.00	1.00	1078135	0.369	Sericitic alteration	2%
123.00	124.00	1.00	1078137	1.343	Sericitic alteration	2%
124.00	125.00	1.00	1078138	0.258	Sericitic alteration	1%
125.00	125.74	0.74	1078139	0.098	Sericitic alteration	1%
125.74	126.69	0.95	1078140	0.410	Sericitic alteration	1%
126.69	127.32	0.63	1078141	0.228	Sericitic alteration	3%
127.32	127.97	0.65	1078142	0.301	Sericitic alteration	2%
127.97	129.00	1.03	1078143	0.277	Sericitic alteration	4%
129.00	130.00	1.00	1078144	0.107	Sericitic alteration	2%
130.00	131.00	1.00	1078145	0.066	Sericitic alteration	1%
131.00	132.00	1.00	1078146	0.069	Sericitic alteration	1%
132.00	133.04	1.04	1078147	0.083	Sericitic alteration	2%
133.04	134.00	0.96	1078149	0.082	Sericitic alteration	1%
134.00	135.00	1.00	1078151	0.082	Sericitic alteration	1%
135.00	136.00	1.00	1078152	0.141	Sericitic alteration	2%
136.00	137.00	1.00	1078153	0.571	Sericitic alteration	3%
137.00	137.95	0.95	1078154	0.512	Sericitic alteration	2%
137.95	139.00	1.05	1078155	0.769	Sericitic alteration	2%
139.00	139.83	0.83	1078156	0.315	Sericitic alteration	2%
139.83	141.00	1.17	1078157	0.556	Sericitic alteration	2%
141.00	141.92	0.92	1078158	0.417	Sericitic alteration	2%
141.92	143.00	1.08	1078159	0.366	Sericitic alteration	2%
143.00	144.00	1.00	1078161	0.207	Sericitic alteration	4%
144.00	145.00	1.00	1078162	0.133	Sericitic alteration	1%
145.00	146.00	1.00	1078163	0.239	Sericitic alteration	1%
146.00	147.00	1.00	1078164	0.285	Silicified	1%
147.00	148.00	1.00	1078165	0.137	Silicified	1%
148.00	149.00	1.00	1078166	0.633	Silicified	1%
149.00	150.00	1.00	1078167	0.442	Sericitic alteration	2%
150.00	151.00	1.00	1078168	0.600	Sericitic alteration	2%
151.00	152.00	1.00	1078169	1.195	Sericitic alteration	2%
152.00	153.00	1.00	1078171	0.823	Sericitic alteration	2%

153.00	153.83	0.83	1078173	1.005	Sericitic alteration	2%	
153.83	154.40	0.57	1078174	3.270	Sericitic alteration	2%	
154.40	155.00	0.60	1078175	2.019	Sericitic alteration	1%	
155.00	156.00	1.00	1078176	1.833	Sericitic alteration	2%	
156.00	157.00	1.00	1078177	1.763	Sericitic alteration	2%	
157.00	158.00	1.00	1078178	0.677	Sericitic alteration	1%	
158.00	158.81	0.81	1078179	0.890	Sericitic alteration	2%	
158.81	159.49	0.68	1078180	1.234	Sericitic alteration	5%	
159.49	159.91	0.42	1078181	0.378	Sericitic alteration	3%	
159.91	161.00	1.09	1078182	1.831	Sericitic alteration	3%	
161.00	162.00	1.00	1078183	1.713	Sericitic alteration	1%	
162.00	163.00	1.00	1078185	0.818	Sericitic alteration	2%	
163.00	164.00	1.00	1078186	0.281	Silicified	1%	
164.00	165.00	1.00	1078187	1.661	Sericitic alteration	2%	
165.00	166.00	1.00	1078188	0.722	Sericitic alteration	2%	Fracture with Alb and Hem alteration halo.
166.00	167.00	1.00	1078189	0.554	Sericitic alteration	1%	
167.00	168.00	1.00	1078191	0.537	Sericitic alteration	2%	
168.00	169.00	1.00	1078192	0.485	Sericitic alteration	2%	
169.00	170.00	1.00	1078193	0.464	Sericitic alteration	1%	
170.00	170.84	0.84	1078194	0.330	Sericitic alteration	1%	
170.84	172.00	1.16	1078195	0.721	Sericitic alteration	4%	Intensely fractured from 170.88m to 171.11m.
172.00	172.65	0.65	1078197	0.215	Sericitic alteration	1%	
172.65	173.54	0.89	1078198	0.061	Sericitic alteration	6%	Vein with Hem. Alt. halo

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>173.54</b>	<b>174.21</b>	<b>Diorite</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
173.54	174.21	0.67	1078199	0.026	Chloritic alteration	4%	Sharp and regular contact, Hem. Altered ton fragment 10cm, intensely foliated, fine to med. grained, equigranular, melanocratic (green), mafic dyke.

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>174.21</b>	<b>187.89</b>	<b>Tonalite</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
174.21	175.00	0.79	1078200	0.855	Sericitic alteration	4%	Sulphides MTV, Leucocratic, medium grained, equigranular, massive
175.00	176.00	1.00	1078201	0.874	Sericitic alteration	1%	fracture with strong Si-Hm alt halo at 175.06m to 175.18m.
176.00	176.80	0.80	1078202	12.200	Sericitic alteration	2%	
176.80	177.26	0.46	1078203	0.036	Silicified	2%	
177.26	178.36	1.10	1078204	1.503	Sericitic alteration	2%	

178.36	178.97	0.61	1078205	10.900	Silicified	51%	Bt rich vein with high cpy content.
178.97	180.00	1.03	1078206	0.331	Silicified	1%	
180.00	181.00	1.00	1078207	0.556	Sericitic alteration	1%	
181.00	182.00	1.00	1078208	0.115	Sericitic alteration	1%	
182.00	183.00	1.00	1078209	0.210	Sericitic alteration	1%	
183.00	184.00	1.00	1078211	0.315	Sericitic alteration	1%	
184.00	185.00	1.00	1078213	0.333	Sericitic alteration	2%	
185.00	186.00	1.00	1078214	0.603	Sericitic alteration	1%	
186.00	186.56	0.56	1078215	0.056	Sericitic alteration	1%	
186.56	187.89	1.33	1078216	1.506	Silicified	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>187.89</b>	<b>189.00</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
187.89	189.00	1.11	1078217	1.627	Chloritic alteration	7%	80% Dr dike (fine grained, equigranular, massive, melanocratic) and 20 percent tonalite (leucocratic, medium grained, massive, equigranular) in sample due to shallow contact angle.

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>189.00</b>	<b>203.28</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
189.00	190.00	1.00	1078218	0.299	Sericitic alteration	2%	
190.00	191.00	1.00	1078219	1.138	Sericitic alteration	1%	4cm by 5 cm mafic fragment
191.00	192.00	1.00	1078220	1.501	Sericitic alteration	1%	
192.00	193.00	1.00	1078221	0.316	Sericitic alteration	1%	
193.00	194.00	1.00	1078222	2.212	Sericitic alteration	2%	
194.00	195.00	1.00	1078223	0.470	Sericitic alteration	2%	
195.00	196.00	1.00	1078225	0.895	Sericitic alteration	1%	
196.00	197.00	1.00	1078226	0.828	Sericitic alteration	1%	
197.00	198.00	1.00	1078227	0.375	Sericitic alteration	1%	
198.00	199.46	1.46	1078228	0.660	Sericitic alteration	1%	
199.46	200.37	0.91	1078229	2.101	Sericitic alteration	7%	
200.37	201.00	0.63	1078231	0.929	Sericitic alteration	1%	
201.00	202.00	1.00	1078232	0.422	Sericitic alteration	2%	
202.00	203.28	1.28	1078233	0.716	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>203.28</b>	<b>204.59</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
203.28	204.59	1.31	1078234	1.528	Chloritic alteration	1%	Fine grained, melanocratic, equigranular, massive.



<b>From</b> <b>204.59</b>	<b>To</b> <b>240.78</b>	<b>Lithologic Group</b>					
		<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
204.59	205.24	0.65	1078235	0.073	Sericitic alteration	1%	Medium grained, leucocratic, equigranular, massive
205.24	206.00	0.76	1078237	0.175	Sericitic alteration	2%	
206.00	207.00	1.00	1078238	0.242	Sericitic alteration	2%	
207.00	208.00	1.00	1078239	0.371	Sericitic alteration	2%	
208.00	208.85	0.85	1078240	0.113	Sericitic alteration	1%	
208.85	210.00	1.15	1078241	0.360	Sericitic alteration	4%	
210.00	211.00	1.00	1078242	0.277	Sericitic alteration	1%	
211.00	212.00	1.00	1078243	0.111	Sericitic alteration	1%	
212.00	213.00	1.00	1078244	0.029	Sericitic alteration	2%	
213.00	214.00	1.00	1078245	0.171	Sericitic alteration	1%	spec of VG at 113.33m in wallrock
214.00	215.00	1.00	1078247	0.208	Sericitic alteration	1%	
215.00	216.00	1.00	1078249	0.155	Sericitic alteration	1%	
216.00	217.15	1.15	1078251	0.614	Sericitic alteration	4%	intense fracturing
217.15	218.32	1.17	1078252	0.442	Sericitic alteration	2%	
218.32	219.00	0.68	1078253	0.908	Sericitic alteration	0%	
219.00	220.00	1.00	1078254	2.058	Sericitic alteration	1%	
220.00	221.00	1.00	1078255	0.711	Sericitic alteration	1%	
221.00	222.00	1.00	1078256	0.993	Sericitic alteration	1%	
222.00	223.00	1.00	1078257	1.155	Sericitic alteration	2%	
223.00	223.64	0.64	1078258	0.070	Sericitic alteration	1%	
223.64	225.00	1.36	1078259	0.514	Sericitic alteration	17%	
225.00	226.00	1.00	1078261	0.208	Sericitic alteration	3%	
226.00	226.58	0.58	1078262	0.234	Sericitic alteration	2%	
226.58	228.00	1.42	1078263	0.907	Sericitic alteration	1%	
228.00	228.53	0.53	1078264	1.720	Sericitic alteration	1%	
228.53	230.00	1.47	1078265	1.240	Sericitic alteration	2%	
230.00	231.00	1.00	1078266	0.488	Sericitic alteration	1%	
231.00	232.00	1.00	1078267	0.112	Sericitic alteration	1%	
232.00	233.00	1.00	1078268	0.110	Sericitic alteration	1%	
233.00	234.00	1.00	1078269	0.284	Sericitic alteration	1%	
234.00	235.28	1.28	1078271	0.095	Sericitic alteration	1%	
235.28	236.00	0.72	1078273	0.014	Sericitic alteration	1%	40cm Cb altered mafic dyke in sample.
236.00	237.00	1.00	1078274	0.072	Sericitic alteration	2%	
237.00	238.00	1.00	1078275	0.180	Sericitic alteration	2%	
238.00	239.00	1.00	1078276	1.142	Sericitic alteration	1%	
239.00	240.00	1.00	1078277	0.552	Sericitic alteration	1%	
240.00	240.78	0.78	1078278	0.069	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>240.78</b>	<b>245.00</b>	<b>Tonalite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
240.78	241.53	0.75	1078279	0.088	Sericitic alteration	1%	10% tonalite brecciating strongly Sericite altered and moderately Carbonate altered fine grained tonalite (90%)
241.53	242.17	0.64	1078280	0.336	Sericitic alteration	1%	100% tonalite (matrix)
242.17	243.00	0.83	1078281	0.204	Sericitic alteration	1%	30% matrix fragment is fine grained, equigranular, strongly ser altered ton
243.00	243.68	0.68	1078282	2.323	Sericitic alteration	1%	1 large piece of wallrock
243.68	245.00	1.32	1078283	0.897	Sericitic alteration	1%	overprinted chlorite, sericite and silica alteration
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>245.00</b>	<b>252.64</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
245.00	246.00	1.00	1078285	0.081	Sericitic alteration	1%	Medium grained, massive, equigranular, mesocratic
246.00	247.00	1.00	1078286	0.403	Sericitic alteration	1%	
247.00	248.00	1.00	1078287	0.454	Sericitic alteration	2%	
248.00	249.00	1.00	1078288	0.118	Sericitic alteration	1%	
249.00	250.00	1.00	1078289	0.058	Sericitic alteration	2%	
250.00	251.00	1.00	1078291	0.059	Sericitic alteration	1%	
251.00	252.00	1.00	1078292	0.014	Sericitic alteration	1%	
252.00	252.64	0.64	1078293	0.017	Sericitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>252.64</b>	<b>258.39</b>	<b>Tonalite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
252.64	254.00	1.36	1078294	0.091	Chloritic alteration	1%	5 to 10 % mafic fragments, Strongly chlorite altered ton with cm sized frags.
254.00	255.00	1.00	1078295	0.055	Chloritic alteration	1%	10% mafic fragments
255.00	256.00	1.00	1078297	0.036	Chloritic alteration	2%	15% frags
256.00	257.00	1.00	1078298	0.041	Chloritic alteration	2%	5% mafic frags
257.00	258.39	1.39	1078299	1.029	Chloritic alteration	3%	5% Ton frag
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>258.39</b>	<b>269.62</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
258.39	259.38	0.99	1078300	0.021	Sericitic alteration	1%	leucocratic, foliated, equigranular, medium grained, strongly Sericite altered
259.38	260.00	0.62	1078301	0.273	Chloritic alteration	1%	chlorite altered
260.00	261.00	1.00	1078302	0.547	Chloritic alteration	3%	spec of VG in Wallrock at 260.70m
261.00	262.17	1.17	1078304	0.048	Chloritic alteration	1%	

262.17	263.00	0.83	1078305	0.074	Sericitic alteration	1%	1 3cm x 2 cm mafic frag
263.00	264.00	1.00	1078306	0.167	Sericitic alteration	2%	
264.00	265.00	1.00	1078307	0.323	Sericitic alteration	1%	
265.00	266.00	1.00	1078308	0.136	Sericitic alteration	1%	overprinted tonalite brecciating tonalite?
266.00	267.00	1.00	1078309	1.105	Sericitic alteration	1%	
267.00	268.06	1.06	1078311	3.270	Sericitic alteration	2%	2 specs of VG in vein at 267.78m and 2 specs of VG in vein at 268m
268.06	269.00	0.94	1078314	0.299	Sericitic alteration	1%	
269.00	269.62	0.62	1078315	0.217	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>269.62</b>	<b>272.37</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
269.62	271.00	1.38	1078316	0.386	Chloritic alteration	5%	moderately foliated, fine to medium grained, melanocratic diorite.
271.00	272.37	1.37	1078317	0.306	Chloritic alteration	6%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>272.37</b>	<b>315.94</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
272.37	273.00	0.63	1078318	0.108	Sericitic alteration	1%	
273.00	274.00	1.00	1078319	0.068	Sericitic alteration	2%	spec of VG in vein at 273.41m
274.00	275.00	1.00	1078321	0.131	Sericitic alteration	2%	
275.00	276.00	1.00	1078322	0.178	Sericitic alteration	2%	
276.00	277.00	1.00	1078323	0.056	Sericitic alteration	2%	
277.00	278.23	1.23	1078325	0.035	Sericitic alteration	1%	
278.23	279.00	0.77	1078326	17.600	Sericitic alteration	1%	breccia matrix for Cpy?
279.00	280.00	1.00	1078327	0.145	Sericitic alteration	3%	
280.00	281.00	1.00	1078328	0.193	Sericitic alteration	1%	
281.00	282.00	1.00	1078329	6.920	Sericitic alteration	1%	broken up core
282.00	283.00	1.00	1078331	1.302	Sericitic alteration	11%	
283.00	284.00	1.00	1078332	0.099	Sericitic alteration	1%	
284.00	285.00	1.00	1078333	0.300	Sericitic alteration	2%	
285.00	286.00	1.00	1078334	0.214	Sericitic alteration	1%	
286.00	287.00	1.00	1078335	0.167	Sericitic alteration	1%	
287.00	288.00	1.00	1078337	0.393	Sericitic alteration	2%	
288.00	289.00	1.00	1078338	0.303	Silicified	2%	
289.00	290.00	1.00	1078339	0.317	Sericitic alteration	2%	
290.00	291.00	1.00	1078340	0.042	Sericitic alteration	1%	few sub-cm sized mafic frags.
291.00	292.00	1.00	1078341	0.089	Sericitic alteration	2%	
292.00	293.03	1.03	1078342	0.092	Sericitic alteration	2%	
293.03	294.00	0.97	1078343	0.074	Sericitic alteration	1%	
294.00	295.00	1.00	1078344	0.090	Sericitic alteration	2%	

295.00	296.03	1.03	1078345	0.139	Sericitic alteration	2%	
296.03	297.00	0.97	1078346	0.241	Sericitic alteration	2%	
297.00	298.00	1.00	1078347	0.055	Sericitic alteration	2%	
298.00	299.00	1.00	1078349	0.178	Sericitic alteration	2%	
299.00	300.50	1.50	1078351	0.075	Sericitic alteration	2%	long fracture filled vein with Hem alt. halo
300.50	301.00	0.50	1078352	0.043	Sericitic alteration	1%	sulphide rich fragment
301.00	302.16	1.16	1078353	0.911	Sericitic alteration	13%	10-15cm cpy and py rich vein (hydrothermal breccia matrix?)
302.16	303.00	0.84	1078354	0.478	Sericitic alteration	2%	
303.00	304.00	1.00	1078355	0.338	Sericitic alteration	1%	
304.00	305.10	1.10	1078356	0.039	Sericitic alteration	3%	
305.10	306.00	0.90	1078357	0.082	Sericitic alteration	2%	
306.00	307.00	1.00	1078358	0.070	Sericitic alteration	2%	
307.00	307.88	0.88	1078359	0.828	Sericitic alteration	2%	
307.88	308.42	0.54	1078361	0.027	Sericitic alteration	2%	
308.42	309.00	0.58	1078362	0.017	Sericitic alteration	2%	
309.00	309.66	0.66	1078363	0.005	Sericitic alteration	3%	
309.66	310.18	0.52	1078364	0.125	Sericitic alteration	2%	
310.18	311.00	0.82	1078365	2.549	Sericitic alteration	1%	
311.00	312.06	1.06	1078366	0.023	Sericitic alteration	1%	
312.06	313.00	0.94	1078367	28.600	Sericitic alteration	2%	2 spec of tellurides with VG in vein at 312.23m
313.00	313.67	0.67	1078369	0.246	Sericitic alteration	1%	
313.67	315.00	1.33	1078371	0.055	Sericitic alteration	1%	
315.00	315.94	0.94	1078373	0.538	Sericitic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>315.94</b>	<b>316.65</b>	<b>Mafic Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
315.94	316.65	0.71	1078374	0.564	Chloritic alteration	18%	Melanocratic, medium grained, quartz phytic, massive,

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>316.65</b>	<b>331.25</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
316.65	318.00	1.35	1078375	0.281	Sericitic alteration	2%	Leucocratic, medium grained, massive, equigranular
318.00	319.00	1.00	1078376	0.023	Sericitic alteration	3%	
319.00	319.96	0.96	1078377	0.075	Sericitic alteration	2%	
319.96	321.00	1.04	1078378	0.071	Sericitic alteration	1%	
321.00	322.00	1.00	1078379	0.059	Sericitic alteration	1%	
322.00	323.00	1.00	1078380	0.142	Sericitic alteration	1%	
323.00	324.00	1.00	1078381	0.040	Sericitic alteration	1%	
324.00	325.00	1.00	1078382	0.505	Sericitic alteration	2%	
325.00	326.00	1.00	1078383	1.056	Sericitic alteration	2%	

326.00	326.95	0.95	1078385	0.104	Sericitic alteration	1%
326.95	328.00	1.05	1078386	4.740	Sericitic alteration	5%
328.00	329.00	1.00	1078387	2.470	Sericitic alteration	1%
329.00	329.65	0.65	1078388	0.498	Sericitic alteration	2%
329.65	331.25	1.60	1078389	0.134	Sericitic alteration	2%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>331.25</b>	<b>331.81</b>	<b>Hydrothermal Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
331.25	331.81	0.56	1078391	0.082	Chloritic alteration	1%	50% matrix and 50% wallrock tonalite (strongly Si alt. wallrock)

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>331.81</b>	<b>343.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
331.81	332.70	0.89	1078392	0.139	Sericitic alteration	3%	Medium grained, massive, leucocratic, equigranular
332.70	334.00	1.30	1078393	0.121	Sericitic alteration	5%	
334.00	335.00	1.00	1078394	0.122	Sericitic alteration	3%	
335.00	336.00	1.00	1078395	0.085	Sericitic alteration	3%	
336.00	337.00	1.00	1078397	0.208	Sericitic alteration	4%	
337.00	338.00	1.00	1078398	0.103	Sericitic alteration	9%	
338.00	339.00	1.00	1078399	0.035	Sericitic alteration	6%	
339.00	339.59	0.59	1078400	0.155	Sericitic alteration	2%	
339.59	341.00	1.41	1078401	0.616	Silicified	8%	intense fracture-fill veining (almost breccia)
341.00	342.00	1.00	1078402	0.087	Silicified	5%	rubbly core not many surfaces for clear observation
342.00	343.00	1.00	1078403	0.041	Silicified	3%	rubbly core

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>343.00</b>	<b>344.00</b>	<b>Diabase</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
343.00	344.00	1.00	1078404	0.029	Epidote alteration	0%	rubbly core, fine grained, melanocratic, equigranular, massive.

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>344.00</b>	<b>349.11</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
344.00	345.00	1.00	1078405	0.141	Silicified	4%	
345.00	346.00	1.00	1078406	0.860	Sericitic alteration	4%	
346.00	347.00	1.00	1078407	0.230	Sericitic alteration	5%	
347.00	348.00	1.00	1078408	0.346	Sericitic alteration	5%	
348.00	349.11	1.11	1078409	0.051	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>349.11</b>	<b>353.25</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
349.11	350.00	0.89	1078411	0.071	Silicified	3%	20% matrix and 80% tonalite
350.00	351.00	1.00	1078413	0.136	Silicified	14%	20% matrix and 80% tonalite
351.00	352.00	1.00	1078414	0.020	Silicified	1%	40% matrix and 60% tonalite angular frags, 0.3cm to 5cm frags.
352.00	353.25	1.25	1078415	0.060	Silicified	2%	8% matrix and 92% tonalite
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>353.25</b>	<b>360.80</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
353.25	354.00	0.75	1078416	0.448	Sericitic alteration	4%	medium grained, massive, equigranular, leucocratic.
354.00	355.00	1.00	1078417	0.150	Sericitic alteration	2%	
355.00	356.00	1.00	1078418	0.061	Sericitic alteration	6%	
356.00	357.00	1.00	1078419	0.079	Sericitic alteration	2%	
357.00	358.00	1.00	1078420	0.057	Sericitic alteration	6%	
358.00	359.19	1.19	1078421	0.145	Sericitic alteration	5%	
359.19	360.00	0.81	1078422	0.087	Sericitic alteration	3%	
360.00	360.80	0.80	1078423	0.085	Sericitic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>360.80</b>	<b>361.83</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
360.80	361.83	1.03	1078425	0.274	Chloritic alteration	2%	60% matrix and 40% tonalite
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>361.83</b>	<b>378.24</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
361.83	363.00	1.17	1078426	1.256	Sericitic alteration	2%	medium grained, massive, equigranular, mesocratic.
363.00	364.00	1.00	1078427	1.178	Sericitic alteration	1%	
364.00	365.00	1.00	1078428	2.476	Sericitic alteration	2%	
365.00	366.00	1.00	1078429	0.287	Sericitic alteration	2%	
366.00	367.00	1.00	1078431	0.579	Sericitic alteration	1%	
367.00	367.97	0.97	1078432	0.033	Sericitic alteration	1%	
367.97	368.76	0.79	1078433	0.413	Sericitic alteration	1%	
368.76	369.76	1.00	1078434	4.810	Sericitic alteration	2%	
369.76	370.66	0.90	1078435	0.176	Sericitic alteration	2%	
370.66	371.51	0.85	1078437	0.777	Sericitic alteration	1%	
371.51	372.64	1.13	1078438	0.337	Sericitic alteration	1%	
372.64	374.04	1.40	1078439	0.223	Sericitic alteration	2%	
374.04	375.00	0.96	1078440	0.102	Sericitic alteration	2%	
375.00	376.00	1.00	1078441	0.057	Sericitic alteration	1%	

376.00	377.00	1.00	1078442	0.005	Sericitic alteration	2%
377.00	378.24	1.24	1078443	0.027	Sericitic alteration	2%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>378.24</b>	<b>379.40</b>	<b>Lamprophyre Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
378.24	379.40	1.16	1078444	0.083	Biotitic alteration	4%	fine grained, equigranular, foliated, contact has strong Si alteration halo in tonalite, melanocratic.

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>379.40</b>	<b>426.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
379.40	380.00	0.60	1078445	0.059	Sericitic alteration	1%	medium grained, massive, leucocratic, equigranular.
380.00	381.00	1.00	1078446	0.257	Sericitic alteration	3%	
381.00	382.00	1.00	1078447	0.496	Sericitic alteration	2%	
382.00	383.00	1.00	1078449	0.628	Sericitic alteration	1%	
383.00	384.00	1.00	1078451	0.232	Sericitic alteration	1%	
384.00	385.00	1.00	1078452	0.036	Sericitic alteration	3%	
385.00	386.00	1.00	1078453	0.235	Sericitic alteration	2%	
386.00	387.00	1.00	1078454	0.108	Sericitic alteration	1%	
387.00	388.00	1.00	1078455	0.188	Sericitic alteration	1%	
388.00	389.06	1.06	1078456	0.015	Sericitic alteration	1%	
389.06	390.00	0.94	1078457	0.010	Sericitic alteration	1%	
390.00	391.00	1.00	1078458	0.089	Sericitic alteration	1%	
391.00	392.00	1.00	1078459	0.013	Sericitic alteration	1%	
392.00	393.00	1.00	1078461	0.072	Sericitic alteration	2%	
393.00	394.00	1.00	1078462	0.017	Sericitic alteration	3%	
394.00	395.00	1.00	1078463	0.086	Sericitic alteration	1%	
395.00	396.00	1.00	1078464	0.264	Sericitic alteration	1%	
396.00	397.00	1.00	1078465	0.024	Sericitic alteration	1%	
397.00	398.00	1.00	1078466	0.021	Sericitic alteration	1%	
398.00	399.00	1.00	1078467	0.145	Sericitic alteration	1%	
399.00	400.00	1.00	1078468	0.065	Sericitic alteration	1%	
400.00	401.00	1.00	1078469	0.043	Biotitic alteration	1%	
401.00	402.00	1.00	1078471	0.009	Sericitic alteration	1%	
402.00	403.00	1.00	1078473	0.005	Sericitic alteration	1%	
403.00	404.00	1.00	1078474	0.136	Sericitic alteration	1%	
404.00	405.00	1.00	1078475	0.020	Sericitic alteration	1%	
405.00	406.00	1.00	1078476	0.060	Sericitic alteration	2%	
406.00	407.00	1.00	1078477	0.057	Sericitic alteration	1%	
407.00	408.00	1.00	1078478	0.253	Sericitic alteration	2%	
408.00	409.00	1.00	1078479	0.109	Sericitic alteration	2%	

409.00	410.00	1.00	1078480	0.055	Sericitic alteration	1%	
410.00	411.00	1.00	1078481	0.053	Sericitic alteration	1%	
411.00	412.00	1.00	1078482	0.015	Sericitic alteration	1%	
412.00	413.00	1.00	1078483	0.187	Sericitic alteration	2%	
413.00	414.00	1.00	1078485	1.139	Sericitic alteration	4%	
414.00	415.00	1.00	1078486	0.988	Sericitic alteration	1%	
415.00	416.00	1.00	1078487	0.080	Sericitic alteration	2%	
416.00	417.00	1.00	1078488	0.611	Sericitic alteration	3%	
417.00	418.50	1.50	1078489	0.119	Sericitic alteration	4%	
418.50	419.00	0.50	1078491	0.758	Sericitic alteration	2%	
419.00	420.00	1.00	1078492	0.229	Sericitic alteration	1%	
420.00	421.00	1.00	1078493	0.875	Sericitic alteration	2%	
421.00	422.00	1.00	1078494	0.207	Sericitic alteration	3%	
422.00	423.00	1.00	1078495	0.534	Sericitic alteration	2%	
423.00	424.00	1.00	1078497	0.299	Sericitic alteration	2%	
424.00	425.00	1.00	1078498	0.338	Sericitic alteration	1%	
425.00	426.00	1.00	1078499	0.107	Sericitic alteration	2%	EOH.



# DRILL HOLE REPORT

Drill Hole	<b>GOS20-42</b>	Project	<b>Gosselin</b>	Cost Code	<b>234</b>
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Drilling Details:

Azimuth	336.4	Company	
Dip	-59.8	Contractor	NPLH Drilling
Length	423.0 m	Position	
Started	12-Mar-20	Bore Size	NQ
Completed	19-Mar-20	Sample Storage	Klondike Camp
Logged	29-Jun-20	Casing	NONE
Logged by	Brian Tomczuk	Condition	Cemented

Survey Details:

Claim Number	MLO-10658
Property	Chester
Township	Chester
Spotted by	
Surveyed by	
Collar Orientation	Reflex Single-shot Survey
Coord Survey Tool	SURV

Target  
Comments

Coordinates:

Easting	430984.81
UTM Datum	NAD83
Northing	5267676.83
UTM Zone	17
Elevation	381.05

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
27.0	335.18	-60.38									
78.0	330.26	-59.90									
132.0	336.36	-59.87									
183.0	332.19	-59.80									
234.0	329.91	-59.58									
300.0	335.40	-59.19									
336.0	335.74	-58.99									
387.0	328.84	-58.64									

From 0.00	To 11.34	Lithologic Group Overburden					
From 11.34	To 50.75	Lithologic Group Tonalite					
From 0.00	To 11.34	Interval 11.34	Sample	Au g/t	Alteration Unaltered	%Veining	Comments
11.34	12.00	0.66	1083001	0.016	Sericitic alteration	1%	mg, equigranular to porphyritic (plag phenos), light gry, non-magnetic, massive tonalite; porph ton
12.00	13.00	1.00	1083002	0.025	Sericitic alteration	3%	porph ton
13.00	14.00	1.00	1083003	0.024	Sericitic alteration	1%	porph ton
14.00	15.41	1.41	1083004	0.038	Sericitic alteration	2%	porph ton
15.41	16.68	1.27	1083005	0.051	Sericitic alteration	10%	increased density of sheeted qtz-cb-chl/bi-sulphide veins w ser altn halos; porph ton
16.68	18.00	1.32	1083006	0.019	Sericitic alteration	3%	porph ton
18.00	19.00	1.00	1083007	0.012	Sericitic alteration	2%	porph ton
19.00	20.25	1.25	1083008	0.016	Sericitic alteration	3%	porph ton
20.25	21.00	0.75	1083009	0.008	Sericitic alteration	1%	porph ton
21.00	22.00	1.00	1083011	0.024	Sericitic alteration	1%	porph ton
22.00	23.00	1.00	1083013	0.028	Sericitic alteration	2%	porph ton
23.00	24.00	1.00	1083014	0.009	Sericitic alteration	3%	porph ton
24.00	25.00	1.00	1083015	0.256	Sericitic alteration	10%	porph ton
25.00	26.00	1.00	1083016	0.033	Sericitic alteration	2%	porph ton
26.00	27.00	1.00	1083017	0.040	Sericitic alteration	2%	porph ton
27.00	28.00	1.00	1083018	0.007	Sericitic alteration	1%	porph ton
28.00	29.00	1.00	1083019	0.015	Sericitic alteration	1%	porph ton
29.00	30.00	1.00	1083020	0.011	Sericitic alteration	1%	porph ton
30.00	31.00	1.00	1083021	0.007	Sericitic alteration	1%	porph ton
31.00	32.00	1.00	1083022	0.081	Sericitic alteration	1%	
32.00	33.00	1.00	1083023	0.029	Sericitic alteration	2%	
33.00	34.00	1.00	1083025	0.150	Sericitic alteration	1%	<5% rounded mafic xenos
34.00	35.00	1.00	1083026	0.142	Sericitic alteration	3%	
35.00	36.00	1.00	1083027	0.013	Sericitic alteration	0%	
36.00	37.00	1.00	1083028	0.083	Sericitic alteration	1%	
37.00	38.00	1.00	1083029	0.064	Sericitic alteration	2%	brecciated patch of tonalite from 37.54-37.72m with chlorttic mtz
38.00	39.00	1.00	1083031	0.014	Sericitic alteration	1%	

39.00	40.00	1.00	1083032	0.115	Silicified	3%	
40.00	41.00	1.00	1083033	0.038	Silicified	2%	
41.00	42.00	1.00	1083034	0.016	Silicified	2%	
42.00	43.00	1.00	1083035	0.040	Silicified	1%	<5% sub-rounded mafic xenos
43.00	44.00	1.00	1083037	0.021	Silicified	1%	
44.00	45.00	1.00	1083038	0.078	Sericitic alteration	15%	
45.00	46.00	1.00	1083039	0.059	Sericitic alteration	1%	
46.00	47.16	1.16	1083040	0.307	Sericitic alteration	7%	
47.16	48.00	0.84	1083041	0.493	Sericitic alteration	1%	
48.00	49.00	1.00	1083042	0.294	Sericitic alteration	1%	
49.00	50.00	1.00	1083043	0.702	Sericitic alteration	1%	
50.00	50.75	0.75	1083044	0.129	Sericitic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>50.75</b>	<b>51.25</b>	<b>Diabase</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
50.75	51.25	0.50	1083045	0.005	Epidote alteration	0%	drk gry, fg, magnetic w ep altd plag phenos
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>51.25</b>	<b>51.70</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
51.25	51.70	0.45	1083046	0.090	Sericitic alteration	0%	mg, equigranular, light gry, non-magnetic, massive tonalite
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>51.70</b>	<b>53.38</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
51.70	53.38	1.68	1083047	0.122	Chloritic alteration	1%	mg-cg, gry-grn, inequigranular, non-magnetic, massive quartz diorite w gradational qtz increase downhole
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>53.38</b>	<b>56.50</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
53.38	54.50	1.12	1083049	0.194	Silicified	1%	mg, very light grey, equigranular, massive, non-magnetic tonalite w <5% mm-cm scale rounded mafic fragments
54.50	55.50	1.00	1083051	0.270	Silicified	1%	
55.50	56.50	1.00	1083052	0.296	Silicified	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>56.50</b>	<b>95.23</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
56.50	58.00	1.50	1083053	0.037	Chloritic alteration	3%	mg-cg, inequigranular, massive, non-magnetic, grn to drk green diorite

58.00	59.50	1.50	1083054	0.019	Chloritic alteration	2%	
59.50	61.00	1.50	1083055	0.081	Chloritic alteration	3%	
61.00	62.50	1.50	1083056	0.050	Chloritic alteration	4%	
62.50	64.00	1.50	1083057	0.019	Chloritic alteration	5%	
64.00	65.50	1.50	1083058	0.030	Chloritic alteration	5%	
65.50	67.00	1.50	1083059	0.034	Chloritic alteration	6%	
67.00	68.50	1.50	1083061	0.024	Chloritic alteration	4%	
68.50	70.00	1.50	1083062	0.007	Chloritic alteration	2%	
70.00	71.50	1.50	1083063	0.010	Chloritic alteration	2%	
71.50	73.00	1.50	1083064	0.140	Biotitic alteration	6%	
73.00	74.50	1.50	1083065	0.015	Chloritic alteration	6%	
74.50	76.00	1.50	1083066	0.020	Chloritic alteration	1%	
76.00	77.00	1.00	1083067	0.036	Chloritic alteration	1%	mod shearing w increase in cb, very soft
77.00	78.00	1.00	1083068	0.009	Chloritic alteration	1%	mod shearing w increase in cb, very soft
78.00	79.50	1.50	1083069	0.039	Chloritic alteration	1%	mod shearing w increase in cb, very soft
79.50	80.50	1.00	1083071	0.014	Chloritic alteration	0%	
80.50	81.82	1.32	1083073	0.044	Chloritic alteration	0%	
81.82	83.42	1.60	1083074	0.292	Biotitic alteration	7%	mod-strong sheared diorite with strong biotite altn and 3% py 2% po
83.42	85.00	1.58	1083075	0.051	Chloritic alteration	0%	
85.00	86.50	1.50	1083076	0.026	Chloritic alteration	1%	
86.50	88.00	1.50	1083077	0.183	Chloritic alteration	3%	
88.00	89.50	1.50	1083078	0.035	Chloritic alteration	1%	
89.50	91.00	1.50	1083079	0.045	Chloritic alteration	1%	
91.00	92.50	1.50	1083080	0.017	Chloritic alteration	1%	
92.50	94.00	1.50	1083081	0.099	Chloritic alteration	0%	
94.00	95.23	1.23	1083082	1.108	Chloritic alteration	0%	both leuco and melanocratic with small sections of the quartz eye diorite with glomeroporphyritic texture

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>95.23</b>	<b>96.00</b>	<b>Quartz diorite</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
95.23	96.00	0.77	1083083	3.120	Chloritic alteration	10%	m-cg, grn, slightly sheared, non magnetic qdr w blue qtz eyes, contains 4.5cm crack seal qtz- cb-chl-py-cpy vein w multiple specks of visible gold

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>96.00</b>	<b>97.50</b>	<b>Diorite</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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96.00	97.50	1.50	1083086	0.005	Chloritic alteration	0%	f-mg, massive, grn, non magnetic diorite w gradational contacts
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>97.50</b>	<b>102.00</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
97.50	99.00	1.50	1083087	0.595	Chloritic alteration	1%	melano to leucocratic, f-cg w glomerporphyritic texture, non-magnetic massive quartz diorite w blue qtz eyes, some patches of diorite gradational
99.00	100.50	1.50	1083088	0.176	Chloritic alteration	0%	
100.50	102.00	1.50	1083089	0.061	Chloritic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>102.00</b>	<b>106.50</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
102.00	103.50	1.50	1083091	0.061	Chloritic alteration	4%	mg, non magnetic, equigranular, massive diorite
103.50	105.00	1.50	1083092	0.038	Chloritic alteration	2%	
105.00	106.50	1.50	1083093	0.107	Chloritic alteration	1%	some patches of blue quartz eyes
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>106.50</b>	<b>139.80</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
106.50	108.00	1.50	1083094	0.308	Chloritic alteration	3%	mg w glom texture, massive, grn, non-magnetic
108.00	109.50	1.50	1083095	0.168	Chloritic alteration	3%	
109.50	111.00	1.50	1083097	0.099	Chloritic alteration	0%	
111.00	112.50	1.50	1083098	0.039	Chloritic alteration	4%	
112.50	114.00	1.50	1083099	0.065	Chloritic alteration	0%	
114.00	115.50	1.50	1083100	0.124	Chloritic alteration	0%	
115.50	117.00	1.50	1083101	0.132	Chloritic alteration	3%	
117.00	118.50	1.50	1083102	0.171	Chloritic alteration	5%	
118.50	120.00	1.50	1083103	0.427	Chloritic alteration	20%	
120.00	121.50	1.50	1083104	0.042	Chloritic alteration	1%	
121.50	123.00	1.50	1083105	0.061	Chloritic alteration	1%	
123.00	124.50	1.50	1083106	0.048	Chloritic alteration	1%	
124.50	126.00	1.50	1083107	0.112	Chloritic alteration	2%	
126.00	127.50	1.50	1083108	0.051	Chloritic alteration	1%	
127.50	129.00	1.50	1083109	0.028	Chloritic alteration	2%	
129.00	130.50	1.50	1083111	0.016	Chloritic alteration	2%	
130.50	132.00	1.50	1083113	0.012	Chloritic alteration	1%	
132.00	133.50	1.50	1083114	0.016	Chloritic alteration	0%	
133.50	135.00	1.50	1083115	0.021	Chloritic alteration	0%	
135.00	136.50	1.50	1083116	0.019	Chloritic alteration	0%	

136.50	138.00	1.50	1083117	0.012	Chloritic alteration	0%
138.00	139.80	1.80	1083118	0.020	Chloritic alteration	0%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>139.80</b>	<b>151.46</b>	<b>Tonalite Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
139.80	141.00	1.20	1083119	0.015	Hematitic alteration	1%	densely packed almost fragments supported at uphole contact, rounded to sub-rounded drk grn mafc frgs mm-cm in tonalite w wk hem altn, massive and non-magnetic
141.00	142.00	1.00	1083120	0.014	Hematitic alteration	0%	
142.00	143.00	1.00	1083121	0.008	Hematitic alteration	1%	
143.00	144.00	1.00	1083122	0.006	Hematitic alteration	0%	100% tonalite matrix
144.00	145.00	1.00	1083123	0.009	Hematitic alteration	1%	100% tonalite matrix
145.00	146.00	1.00	1083125	0.008	Hematitic alteration	1%	
146.00	146.70	0.70	1083126	0.008	Hematitic alteration	1%	
146.70	147.32	0.62	1083127	0.022	Chloritic alteration	0%	100% qdr fragment
147.32	148.50	1.18	1083128	0.020	Silicified	1%	100% tonalite matrix
148.50	149.50	1.00	1083129	0.112	Silicified	1%	100% tonalite matrix
149.50	150.50	1.00	1083131	0.025	Silicified	0%	
150.50	151.46	0.96	1083132	1.396	Silicified	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>151.46</b>	<b>267.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
151.46	152.50	1.04	1083133	0.038	Biotitic alteration	0%	mg, off white to pink, massive, equigranular w <5% mafic frgs, non-magnetic
152.50	153.50	1.00	1083134	0.233	Biotitic alteration	1%	
153.50	154.50	1.00	1083135	0.014	Biotitic alteration	1%	
154.50	155.50	1.00	1083137	0.039	Biotitic alteration	1%	
155.50	156.50	1.00	1083138	0.174	Biotitic alteration	1%	
156.50	157.50	1.00	1083139	0.023	Biotitic alteration	2%	
157.50	158.60	1.10	1083140	0.129	Silicified	2%	
158.60	159.50	0.90	1083141	0.104	Biotitic alteration	1%	
159.50	160.50	1.00	1083142	0.045	Silicified	0%	
160.50	161.50	1.00	1083143	0.052	Silicified	1%	
161.50	162.50	1.00	1083144	0.035	Silicified	1%	
162.50	163.50	1.00	1083145	0.094	Silicified	1%	
163.50	164.50	1.00	1083146	0.054	Silicified	1%	
164.50	165.50	1.00	1083147	0.106	Silicified	1%	
165.50	166.50	1.00	1083149	0.077	Silicified	1%	
166.50	167.50	1.00	1083151	0.048	Silicified	3%	
167.50	168.50	1.00	1083152	0.131	Silicified	1%	

168.50	169.50	1.00	1083153	0.040	Chloritic alteration	0%
169.50	170.60	1.10	1083154	0.922	Silicified	2%
170.60	171.50	0.90	1083155	0.116	Silicified	1%
171.50	172.50	1.00	1083156	0.096	Silicified	0%
172.50	173.50	1.00	1083157	0.069	Silicified	2%
173.50	174.50	1.00	1083158	0.111	Silicified	1%
174.50	175.50	1.00	1083159	0.177	Silicified	0%
175.50	176.50	1.00	1083161	0.247	Silicified	1%
176.50	178.00	1.50	1083162	0.051	Silicified	1%
178.00	179.00	1.00	1083163	0.035	Hematitic alteration	1%
179.00	180.00	1.00	1083164	0.030	Silicified	1%
180.00	181.00	1.00	1083165	0.106	Silicified	1%
181.00	182.00	1.00	1083166	0.056	Silicified	1%
182.00	183.00	1.00	1083167	0.059	Silicified	1%
183.00	184.00	1.00	1083168	0.063	Silicified	2%
184.00	185.00	1.00	1083169	0.061	Silicified	1%
185.00	186.00	1.00	1083171	0.030	Silicified	0%
186.00	187.00	1.00	1083173	0.018	Silicified	1%
187.00	188.00	1.00	1083174	0.033	Silicified	1%
188.00	189.00	1.00	1083175	0.093	Sericitic alteration	4%
189.00	190.00	1.00	1083176	0.130	Silicified	3%
190.00	191.00	1.00	1083177	0.046	Silicified	1%
191.00	192.00	1.00	1083178	0.092	Silicified	1%
192.00	193.00	1.00	1083179	0.048	Silicified	0%
193.00	194.00	1.00	1083180	0.135	Silicified	0%
194.00	195.00	1.00	1083181	0.213	Silicified	1%
195.00	196.00	1.00	1083182	0.058	Silicified	2%
196.00	197.00	1.00	1083183	0.158	Silicified	1%
197.00	198.00	1.00	1083185	0.268	Silicified	1%
198.00	199.00	1.00	1083186	0.107	Silicified	1%
199.00	200.00	1.00	1083187	0.083	Silicified	0%
200.00	201.00	1.00	1083188	0.207	Sericitic alteration	0%
201.00	202.00	1.00	1083189	0.091	Sericitic alteration	0%
202.00	203.00	1.00	1083191	0.155	Sericitic alteration	0%
203.00	204.00	1.00	1083192	0.304	Sericitic alteration	1%
204.00	205.00	1.00	1083193	0.210	Silicified	1%
205.00	206.00	1.00	1083194	0.504	Silicified	1%
206.00	207.00	1.00	1083195	0.299	Silicified	1%
207.00	208.00	1.00	1083197	0.008	Sericitic alteration	2%
208.00	209.00	1.00	1083198	0.317	Sericitic alteration	1%
209.00	210.00	1.00	1083199	0.376	Sericitic alteration	1%
210.00	211.00	1.00	1083200	1.032	Sericitic alteration	1%

211.00	212.00	1.00	1083201	0.095	Sericitic alteration	1%	
212.00	213.00	1.00	1083202	0.154	Sericitic alteration	1%	
213.00	214.00	1.00	1083203	0.076	Sericitic alteration	1%	
214.00	215.00	1.00	1083204	0.103	Sericitic alteration	1%	
215.00	216.00	1.00	1083205	0.491	Sericitic alteration	1%	
216.00	217.00	1.00	1083206	0.458	Sericitic alteration	1%	
217.00	218.00	1.00	1083207	0.169	Silicified	1%	
218.00	219.07	1.07	1083208	0.161	Silicified	1%	
219.07	220.00	0.93	1083209	1.165	Sericitic alteration	1%	
220.00	221.00	1.00	1083211	1.470	Sericitic alteration	1%	
221.00	222.00	1.00	1083213	0.308	Sericitic alteration	2%	
222.00	223.00	1.00	1083214	0.566	Sericitic alteration	1%	
223.00	224.00	1.00	1083215	0.561	Sericitic alteration	1%	
224.00	225.00	1.00	1083216	0.286	Sericitic alteration	1%	
225.00	226.00	1.00	1083217	0.376	Sericitic alteration	1%	
226.00	227.00	1.00	1083218	0.289	Sericitic alteration	1%	
227.00	228.00	1.00	1083219	0.260	Sericitic alteration	2%	
228.00	229.00	1.00	1083220	0.302	Sericitic alteration	1%	
229.00	230.00	1.00	1083221	0.223	Sericitic alteration	1%	
230.00	231.00	1.00	1083222	0.159	Sericitic alteration	2%	
231.00	232.00	1.00	1083223	0.144	Sericitic alteration	1%	
232.00	233.00	1.00	1083225	0.181	Sericitic alteration	1%	
233.00	234.00	1.00	1083226	0.135	Sericitic alteration	2%	
234.00	235.00	1.00	1083227	0.706	Sericitic alteration	1%	
235.00	236.00	1.00	1083228	0.186	Sericitic alteration	1%	
236.00	237.00	1.00	1083229	0.064	Biotitic alteration	1%	several sections of massive biotite-chlorite
237.00	238.00	1.00	1083231	0.519	Sericitic alteration	1%	
238.00	239.00	1.00	1083232	0.323	Sericitic alteration	1%	
239.00	240.00	1.00	1083233	0.283	Sericitic alteration	1%	
240.00	241.00	1.00	1083234	0.651	Sericitic alteration	1%	
241.00	242.00	1.00	1083235	0.180	Sericitic alteration	1%	
242.00	243.00	1.00	1083237	0.524	Sericitic alteration	1%	
243.00	244.00	1.00	1083238	1.502	Sericitic alteration	2%	
244.00	245.00	1.00	1083239	0.957	Sericitic alteration	1%	
245.00	246.00	1.00	1083240	0.461	Sericitic alteration	2%	
246.00	247.00	1.00	1083241	0.201	Sericitic alteration	2%	
247.00	248.00	1.00	1083242	0.150	Sericitic alteration	2%	
248.00	249.00	1.00	1083243	1.160	Sericitic alteration	4%	
249.00	250.00	1.00	1083244	0.159	Sericitic alteration	0%	
250.00	251.00	1.00	1083245	0.268	Sericitic alteration	4%	
251.00	252.00	1.00	1083246	0.167	Sericitic alteration	1%	
252.00	253.00	1.00	1083247	0.097	Sericitic alteration	2%	



253.00	254.00	1.00	1083249	0.063	Sericitic alteration	4%
254.00	255.00	1.00	1083251	0.510	Sericitic alteration	1%
255.00	256.00	1.00	1083252	0.127	Sericitic alteration	1%
256.00	257.00	1.00	1083253	0.220	Sericitic alteration	2%
257.00	258.00	1.00	1083254	0.334	Sericitic alteration	3%
258.00	259.00	1.00	1083255	0.060	Sericitic alteration	2%
259.00	260.00	1.00	1083256	0.279	Sericitic alteration	2%
260.00	261.00	1.00	1083257	0.225	Sericitic alteration	1%
261.00	262.00	1.00	1083258	1.145	Sericitic alteration	2%
262.00	263.00	1.00	1083259	0.406	Sericitic alteration	1%
263.00	264.00	1.00	1083261	0.374	Sericitic alteration	1%
264.00	265.00	1.00	1083262	0.431	Sericitic alteration	1%
265.00	266.00	1.00	1083263	0.456	Sericitic alteration	1%
266.00	267.00	1.00	1083264	0.342	Sericitic alteration	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>267.00</b>	<b>268.21</b>	<b>Lamprophyre Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
267.00	268.21	1.21	1083265	0.011	Carbonate Altered	3%	fg, drk grn to black, mod foliated, non-magnetic lamp dyke w sharp contacts marked by qtz-cb-chl veins

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>268.21</b>	<b>294.25</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
268.21	269.00	0.79	1083266	0.087	Sericitic alteration	1%	mg, equigranular, massive, light grey, non-magnetic tonalite
269.00	270.00	1.00	1083267	1.517	Sericitic alteration	5%	
270.00	271.00	1.00	1083268	1.170	Sericitic alteration	1%	
271.00	272.00	1.00	1083269	0.347	Sericitic alteration	1%	
272.00	273.00	1.00	1083271	0.231	Sericitic alteration	2%	
273.00	274.00	1.00	1083273	0.048	Sericitic alteration	1%	
274.00	275.00	1.00	1083274	0.294	Sericitic alteration	1%	
275.00	276.00	1.00	1083275	0.266	Sericitic alteration	2%	
276.00	277.00	1.00	1083276	1.847	Sericitic alteration	1%	
277.00	278.00	1.00	1083277	1.075	Sericitic alteration	1%	
278.00	279.00	1.00	1083278	0.988	Sericitic alteration	1%	
279.00	280.00	1.00	1083279	0.465	Sericitic alteration	1%	
280.00	281.00	1.00	1083280	0.222	Sericitic alteration	1%	
281.00	282.00	1.00	1083281	0.222	Sericitic alteration	1%	
282.00	283.00	1.00	1083282	0.157	Sericitic alteration	1%	
283.00	284.00	1.00	1083283	0.241	Sericitic alteration	1%	
284.00	285.00	1.00	1083285	1.420	Sericitic alteration	1%	
285.00	286.00	1.00	1083286	1.801	Sericitic alteration	1%	

286.00	287.00	1.00	1083287	0.905	Sericitic alteration	1%
287.00	288.00	1.00	1083288	0.449	Sericitic alteration	1%
288.00	289.00	1.00	1083289	3.820	Sericitic alteration	2%
289.00	290.00	1.00	1083291	0.864	Sericitic alteration	2%
290.00	291.00	1.00	1083292	1.078	Sericitic alteration	1%
291.00	292.00	1.00	1083293	0.688	Sericitic alteration	1%
292.00	293.00	1.00	1083294	0.640	Sericitic alteration	1%
293.00	294.25	1.25	1083295	0.582	Sericitic alteration	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>294.25</b>	<b>296.25</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
294.25	296.25	2.00	1083297	0.958	Carbonate Altered	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>296.25</b>	<b>321.70</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
296.25	297.00	0.75	1083299	0.074	Silicified	5%	x Laurent starts here
297.00	298.00	1.00	1083300	3.360	Silicified	8%	x
298.00	299.00	1.00	1083301	0.552	Silicified	3%	x
299.00	300.00	1.00	1083302	0.309	Silicified	3%	x
300.00	301.00	1.00	1083303	1.821	Silicified	4%	x
301.00	302.00	1.00	1083304	0.918	Silicified	3%	x
302.00	303.00	1.00	1083305	0.360	Silicified	5%	x
303.00	304.00	1.00	1083306	0.193	Silicified	5%	x
304.00	305.00	1.00	1083307	4.490	Silicified	3%	x
305.00	306.00	1.00	1083308	2.760	Silicified	5%	x
306.00	307.00	1.00	1083309	0.716	Silicified	2%	x
307.00	308.00	1.00	1083311	0.379	Silicified	1%	x
308.00	309.00	1.00	1083313	0.688	Silicified	1%	x
309.00	310.00	1.00	1083314	0.198	Silicified	2%	x
310.00	311.00	1.00	1083315	0.714	Silicified	2%	x
311.00	312.00	1.00	1083316	9.290	Silicified	4%	x small CL BO Mtx
312.00	313.00	1.00	1083317	0.650	Silicified	2%	x
313.00	314.00	1.00	1083318	0.570	Silicified	3%	x
314.00	315.00	1.00	1083319	0.340	Sericitic alteration	3%	x
315.00	316.00	1.00	1083320	0.784	Sericitic alteration	3%	x
316.00	317.00	1.00	1083321	0.546	Silicified	4%	x
317.00	318.00	1.00	1083322	0.396	Silicified	2%	x
318.00	319.00	1.00	1083323	0.352	Silicified	2%	x
319.00	320.00	1.00	1083325	0.950	Silicified	2%	x
320.00	321.00	1.00	1083326	0.623	Sericitic alteration	3%	x
321.00	321.70	0.70	1083327	0.433	Sericitic alteration	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>321.70</b>	<b>322.60</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
321.70	322.60	0.90	1083328	0.022	Chloritic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>322.60</b>	<b>334.40</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
322.60	324.00	1.40	1083329	0.368	Silicified	2%	x
324.00	325.00	1.00	1083331	0.845	Silicified	4%	x
325.00	326.00	1.00	1083332	0.412	Silicified	5%	x
326.00	327.00	1.00	1083333	0.594	Silicified	2%	x
327.00	328.00	1.00	1083334	0.623	Silicified	2%	x
328.00	329.00	1.00	1083335	5.350	Silicified	2%	x
329.00	330.00	1.00	1083337	2.055	Silicified	6%	x
330.00	331.00	1.00	1083338	0.209	Silicified	4%	x
331.00	332.00	1.00	1083339	0.212	Silicified	8%	x
332.00	333.00	1.00	1083340	1.142	Silicified	4%	x
333.00	334.40	1.40	1083341	0.342	Silicified	16%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>334.40</b>	<b>335.50</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
334.40	335.50	1.10	1083342	0.024	Chloritic alteration	5%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>335.50</b>	<b>342.66</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
335.50	337.00	1.50	1083343	1.228	Silicified	10%	x small dyke
337.00	338.00	1.00	1083344	0.259	Silicified	4%	x
338.00	339.00	1.00	1083345	0.123	Silicified	3%	x
339.00	340.00	1.00	1083346	0.194	Silicified	8%	x
340.00	341.00	1.00	1083347	0.283	Silicified	10%	x
341.00	342.00	1.00	1083349	0.109	Silicified	5%	x
342.00	342.66	0.66	1083351	0.091	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>342.66</b>	<b>345.00</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
342.66	344.00	1.34	1083352	0.010	Chloritic alteration	2%	x
344.00	345.00	1.00	1083353	0.012	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>345.00</b>	<b>353.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

345.00	346.00	1.00	1083354	0.041	Chloritic alteration	2%	x Large matrix pipes, fine grain matrix. Claste massive equigranular medgr tonalite
346.00	347.00	1.00	1083355	0.041	Chloritic alteration	2%	x
347.00	348.00	1.00	1083356	0.058	Chloritic alteration	2%	x
348.00	349.00	1.00	1083357	0.053	Chloritic alteration	5%	x
349.00	350.00	1.00	1083358	7.240	Chloritic alteration	2%	x
350.00	351.00	1.00	1083359	0.028	Chloritic alteration	2%	x
351.00	352.00	1.00	1083361	0.070	Chloritic alteration	2%	x
352.00	353.00	1.00	1083362	0.043	Chloritic alteration	4%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>353.00</b>	<b>354.90</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
353.00	354.00	1.00	1083363	0.099	Chloritic alteration	1%	x
354.00	354.90	0.90	1083364	0.023	Chloritic alteration	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>354.90</b>	<b>409.30</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
354.90	356.00	1.10	1083365	0.136	Silicified	10%	x DR BX ? (small interval of clr between qtz grains)
356.00	357.00	1.00	1083366	0.047	Silicified	5%	x
357.00	358.00	1.00	1083367	0.044	Silicified	2%	x
358.00	359.00	1.00	1083368	0.138	Silicified	5%	x DR BX ? (small interval of clr between qtz grains)
359.00	360.00	1.00	1083369	0.305	Silicified	8%	x DR BX ? (small interval of clr between qtz grains)
360.00	361.00	1.00	1083371	0.142	Silicified	4%	x Grey-Green medgr massive
361.00	362.00	1.00	1083373	0.146	Silicified	4%	x
362.00	363.00	1.00	1083374	0.215	Silicified	4%	x
363.00	364.00	1.00	1083375	0.279	Silicified	5%	x
364.00	365.00	1.00	1083376	0.241	Silicified	5%	x
365.00	366.00	1.00	1083377	0.599	Silicified	8%	x
366.00	367.00	1.00	1083378	0.912	Silicified	8%	x
367.00	368.00	1.00	1083379	0.800	Silicified	4%	x
368.00	369.00	1.00	1083380	1.015	Silicified	3%	x
369.00	370.00	1.00	1083381	0.388	Silicified	2%	x
370.00	371.00	1.00	1083382	0.297	Silicified	3%	x
371.00	372.00	1.00	1083383	0.429	Silicified	2%	x
372.00	373.00	1.00	1083385	0.111	Silicified	5%	x
373.00	374.00	1.00	1083386	0.143	Silicified	2%	x
374.00	375.00	1.00	1083387	0.325	Silicified	5%	x
375.00	376.00	1.00	1083388	0.347	Silicified	2%	x
376.00	377.00	1.00	1083389	0.151	Silicified	2%	x
377.00	378.00	1.00	1083391	0.229	Silicified	3%	x

378.00	379.00	1.00	1083392	0.069	Silicified	3%	x
379.00	380.00	1.00	1083393	0.538	Silicified	3%	x
380.00	381.00	1.00	1083394	0.142	Silicified	2%	x
381.00	382.00	1.00	1083395	0.363	Silicified	3%	x
382.00	383.00	1.00	1083397	0.095	Silicified	3%	x
383.00	384.00	1.00	1083398	0.204	Silicified	3%	x
384.00	385.00	1.00	1083399	0.229	Silicified	4%	x
385.00	386.00	1.00	1083400	0.399	Silicified	2%	x
386.00	387.00	1.00	1083401	0.345	Silicified	8%	x
387.00	388.00	1.00	1083402	0.155	Silicified	4%	x
388.00	389.00	1.00	1083403	1.035	Silicified	3%	x
389.00	390.00	1.00	1083404	0.120	Silicified	8%	x
390.00	391.00	1.00	1083405	0.322	Silicified	3%	x
391.00	392.00	1.00	1083406	0.228	Silicified	5%	x
392.00	393.00	1.00	1083407	0.120	Silicified	6%	x
393.00	394.00	1.00	1083408	0.053	Silicified	7%	x
394.00	395.00	1.00	1083409	0.056	Silicified	8%	x
395.00	396.00	1.00	1083411	0.155	Silicified	6%	x
396.00	397.00	1.00	1083413	0.118	Silicified	2%	x
397.00	398.00	1.00	1083414	0.170	Silicified	5%	x
398.00	399.00	1.00	1083415	0.192	Silicified	6%	x
399.00	400.00	1.00	1083416	0.232	Silicified	5%	x
400.00	401.00	1.00	1083417	0.077	Silicified	4%	x
401.00	402.05	1.05	1083418	0.315	Silicified	9%	x ~45cm lamp
402.05	403.00	0.95	1083419	0.085	Sericitic alteration	3%	x
403.00	404.00	1.00	1083420	0.171	Sericitic alteration	4%	x
404.00	405.00	1.00	1083421	0.222	Sericitic alteration	2%	x
405.00	406.00	1.00	1083422	0.339	Sericitic alteration	2%	x
406.00	407.00	1.00	1083423	0.242	Silicified	5%	x
407.00	408.00	1.00	1083425	0.559	Silicified	10%	x
408.00	409.30	1.30	1083426	0.223	Silicified	6%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>409.30</b>	<b>411.55</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
409.30	410.00	0.70	1083427	0.007	Biotitic alteration	2%	x
410.00	411.00	1.00	1083428	0.005	Biotitic alteration	2%	x
411.00	411.55	0.55	1083429	0.005	Biotitic alteration	10%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>411.55</b>	<b>423.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
411.55	413.00	1.45	1083431	0.131	Silicified	5%	x
413.00	414.00	1.00	1083432	0.204	Silicified	1%	x

414.00	415.00	1.00	1083433	0.098	Silicified	1%	x
415.00	416.00	1.00	1083434	0.129	Silicified	1%	x
416.00	417.00	1.00	1083435	0.044	Silicified	1%	x
417.00	418.00	1.00	1083437	0.209	Silicified	3%	x
418.00	419.00	1.00	1083438	0.088	Silicified	4%	x
419.00	420.00	1.00	1083439	0.084	Silicified	3%	x
420.00	421.00	1.00	1083440	0.071	Silicified	3%	x
421.00	422.10	1.10	1083441	0.011	Silicified	5%	x lamp with 30cm ton (ton alteration in Min)
422.10	423.00	0.90	1083442	0.098	Silicified	2%	x

# DRILL HOLE REPORT

Drill Hole **GOS20-43** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 330.0  
 Dip -60.0  
 Length 432.0 m  
 Started 15-Mar-20  
 Completed 22-Mar-20  
 Logged 09-Jul-20  
 Logged by Laura Katz

Company  
 Contractor NPLH Drilling  
 Position  
 Bore Size NQ  
 Sample Storage Marathon Laydown  
 Casing  
 Condition Cemented

Survey Details:

Claim Number PAT-11121  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Single-shot (unspecified)  
 Coord Survey Tool GPS

Coordinates:

Target Easting 430997.79  
 Comments UTM Datum NAD83 Northing 5267506.26  
 UTM Zone 17 Elevation 381.01

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
15.0	332.30	-59.70		RM		45.0	332.30	-60.00		RM	
18.0	331.90	-60.20		RM		48.0	332.50	-60.00		RM	
21.0	332.20	-59.40		RM		51.0	332.50	-59.90		RM	
24.0	332.10	-60.10		RM		54.0	332.50	-59.90		RM	
27.0	332.10	-60.10		RM		57.0	332.50	-59.90		RM	
30.0	332.10	-60.10		RM		60.0	332.30	-60.20		RM	
33.0	332.10	-60.10		RM		63.0	332.60	-59.80		RM	
36.0	331.70	-60.30		RM		66.0	332.50	-59.80		RM	
39.0	332.40	-60.00		RM		69.0	332.60	-59.80		RM	
42.0	332.30	-60.00		RM		72.0	333.10	-59.20		RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
75.0	332.70	-59.70		RM	
78.0	332.80	-59.70		RM	
81.0	332.60	-59.80		RM	
84.0	332.70	-59.80		RM	
87.0	332.50	-59.70		RM	
90.0	332.50	-59.70		RM	
99.0	332.60	-59.70		RM	
102.0	332.50	-59.60		RM	
105.0	332.60	-59.50		RM	
108.0	332.60	-59.50		RM	
111.0	332.70	-59.50		RM	
114.0	332.70	-59.40		RM	
117.0	332.40	-59.40		RM	
120.0	332.60	-59.40		RM	
123.0	332.70	-59.30		RM	
126.0	332.60	-59.30		RM	
129.0	332.60	-59.30		RM	
132.0	332.70	-59.20		RM	
135.0	332.60	-59.20		RM	
138.0	332.80	-59.10		RM	
141.0	332.60	-59.10		RM	
144.0	332.80	-59.10		RM	
147.0	332.70	-59.10		RM	
150.0	332.70	-59.00		RM	
153.0	332.70	-58.90		RM	
156.0	332.70	-58.90		RM	
159.0	332.60	-58.70		RM	
162.0	332.70	-58.70		RM	
165.0	332.60	-58.70		RM	
168.0	332.70	-58.60		RM	
171.0	332.80	-58.60		RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
174.0	332.80	-58.50		RM	
177.0	332.80	-58.50		RM	
180.0	332.90	-58.50		RM	
183.0	332.80	-58.40		RM	
186.0	332.90	-58.40		RM	
189.0	332.70	-58.40		RM	
192.0	332.70	-58.50		RM	
195.0	332.60	-58.50		RM	
198.0	332.70	-58.40		RM	
201.0	332.70	-58.40		RM	
204.0	332.70	-58.40		RM	
207.0	332.80	-58.40		RM	
210.0	332.70	-58.40		RM	
213.0	332.80	-58.30		RM	
216.0	332.60	-58.30		RM	
219.0	332.70	-58.30		RM	
222.0	332.70	-58.30		RM	
225.0	332.70	-58.30		RM	
228.0	332.60	-58.30		RM	
231.0	332.60	-58.30		RM	
234.0	332.70	-58.30		RM	
237.0	332.70	-58.30		RM	
240.0	332.60	-58.20		RM	
243.0	332.80	-58.20		RM	
246.0	332.80	-58.20		RM	
249.0	332.70	-58.10		RM	
252.0	332.70	-58.10		RM	
255.0	332.90	-58.00		RM	
258.0	332.90	-58.00		RM	
261.0	333.00	-57.90		RM	
264.0	332.90	-58.00		RM	



Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
267.0	333.00	-58.00		RM	
270.0	333.00	-57.90		RM	
273.0	332.80	-57.90		RM	
276.0	332.80	-57.80		RM	
279.0	332.70	-57.90		RM	
282.0	332.70	-57.80		RM	
285.0	332.60	-57.90		RM	
288.0	332.40	-57.90		RM	
291.0	332.30	-57.90		RM	
294.0	332.20	-57.90		RM	
297.0	332.20	-57.90		RM	
300.0	332.10	-57.90		RM	
303.0	332.10	-57.80		RM	
306.0	332.00	-57.80		RM	
309.0	332.00	-57.80		RM	
312.0	332.10	-57.80		RM	
315.0	332.00	-57.80		RM	
318.0	332.00	-57.80		RM	
321.0	332.00	-57.80		RM	
324.0	332.00	-57.80		RM	
327.0	332.00	-57.70		RM	
330.0	332.10	-57.70		RM	
333.0	332.00	-57.70		RM	
336.0	332.00	-57.70		RM	
339.0	331.90	-57.70		RM	
342.0	332.00	-57.70		RM	
345.0	332.90	-57.70		RM	
348.0	332.00	-57.80		RM	
351.0	331.60	-57.80		RM	
354.0	331.70	-57.80		RM	
357.0	331.70	-57.80		RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
360.0	331.50	-57.80		RM	
363.0	331.60	-57.80		RM	
366.0	331.60	-57.80		RM	
369.0	331.60	-57.80		RM	
378.0	331.60	-57.80		RM	
381.0	331.70	-57.70		RM	
384.0	331.70	-57.60		RM	
387.0	331.70	-57.70		RM	
390.0	331.80	-57.70		RM	
393.0	331.70	-57.60		RM	
396.0	331.80	-57.50		RM	
399.0	331.70	-57.50		RM	
402.0	331.80	-57.50		RM	
405.0	331.80	-57.40		RM	
408.0	331.70	-57.40		RM	
411.0	331.70	-57.30		RM	
414.0	331.60	-57.30		RM	
417.0	331.70	-57.30		RM	
420.0	331.70	-57.30		RM	
423.0	331.60	-57.20		RM	
426.0	331.60	-57.30		RM	
429.0	331.60	-57.30		RM	
432.0	331.50	-57.20		RM	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>0.00</b>	<b>10.90</b>	<b>Overburden</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	10.90	10.90			Unaltered		

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>10.90</b>	<b>86.40</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
10.90	12.00	1.10	1075766	0.006	Sericitic alteration	1%	grey, mgr, massive, rarely weakly foliated, strong pervasive sericite altered tonalite
12.00	13.00	1.00	1075767	0.012	Sericitic alteration	0%	
13.00	14.10	1.10	1075768	0.005	Sericitic alteration	2%	
14.10	15.00	0.90	1075769	0.005	Sericitic alteration	3%	
15.00	16.00	1.00	1075771	0.008	Sericitic alteration	2%	
16.00	17.00	1.00	1075773	0.068	Sericitic alteration	2%	
17.00	18.00	1.00	1075774	1.175	Sericitic alteration	3%	
18.00	19.00	1.00	1075775	8.180	Sericitic alteration	4%	
19.00	19.90	0.90	1075776	3.380	Sericitic alteration	3%	
19.90	21.00	1.10	1075777	1.081	Sericitic alteration	2%	
21.00	22.00	1.00	1075778	0.063	Sericitic alteration	1%	
22.00	23.00	1.00	1075779	0.010	Sericitic alteration	0%	
23.00	24.00	1.00	1075780	0.005	Sericitic alteration	2%	
24.00	25.00	1.00	1075781	0.043	Sericitic alteration	2%	
25.00	26.00	1.00	1075782	0.005	Sericitic alteration	3%	
26.00	27.00	1.00	1075783	0.005	Sericitic alteration	1%	
27.00	28.00	1.00	1075785	0.552	Sericitic alteration	5%	
28.00	29.00	1.00	1075786	0.005	Sericitic alteration	1%	
29.00	30.00	1.00	1075787	0.005	Sericitic alteration	21%	
30.00	31.00	1.00	1075788	0.188	Sericitic alteration	2%	
31.00	32.00	1.00	1075789	0.007	Sericitic alteration	2%	
32.00	33.00	1.00	1075791	0.566	Sericitic alteration	1%	
33.00	34.00	1.00	1075792	0.031	Sericitic alteration	2%	
34.00	35.00	1.00	1075793	0.220	Sericitic alteration	3%	
35.00	36.00	1.00	1075794	0.006	Sericitic alteration	3%	
36.00	37.00	1.00	1075795	0.016	Sericitic alteration	2%	
37.00	38.00	1.00	1075797	0.016	Sericitic alteration	0%	
38.00	39.00	1.00	1075798	0.075	Sericitic alteration	12%	
39.00	40.10	1.10	1075799	0.018	Sericitic alteration	3%	
40.10	41.00	0.90	1075800	0.034	Sericitic alteration	1%	

41.00	42.00	1.00	1075801	0.005	Sericitic alteration	2%	
42.00	43.00	1.00	1075802	0.041	Sericitic alteration	9%	
43.00	44.00	1.00	1075803	0.378	Sericitic alteration	1%	
44.00	45.00	1.00	1075804	0.425	Sericitic alteration	2%	
45.00	46.00	1.00	1075805	0.148	Sericitic alteration	2%	
46.00	47.00	1.00	1075806	0.436	Sericitic alteration	2%	
47.00	48.00	1.00	1075807	0.005	Sericitic alteration	0%	
48.00	49.00	1.00	1075808	0.005	Sericitic alteration	2%	
49.00	50.00	1.00	1075809	0.005	Sericitic alteration	1%	
50.00	51.00	1.00	1075811	0.021	Sericitic alteration	4%	
51.00	52.00	1.00	1075813	0.025	Sericitic alteration	2%	
52.00	53.00	1.00	1075814	0.005	Sericitic alteration	0%	
53.00	54.00	1.00	1075815	0.129	Sericitic alteration	2%	
54.00	55.00	1.00	1075816	0.076	Sericitic alteration	2%	
55.00	56.00	1.00	1075817	0.011	Sericitic alteration	0%	
56.00	57.00	1.00	1075818	0.016	Sericitic alteration	8%	
57.00	58.00	1.00	1075819	0.029	Sericitic alteration	0%	
58.00	59.00	1.00	1075820	0.011	Sericitic alteration	2%	
59.00	60.00	1.00	1075821	0.013	Sericitic alteration	4%	
60.00	61.00	1.00	1075822	0.037	Sericitic alteration	1%	
61.00	62.00	1.00	1075823	0.146	Sericitic alteration	0%	
62.00	62.90	0.90	1075825	0.028	Sericitic alteration	5%	3 qtz-cb-moly+/-py+/-cpy vns (0.4-1.8 cm) with numerous fgr specks (>10)
62.90	63.90	1.00	1075826	0.042	Sericitic alteration	1%	
63.90	65.00	1.10	1075827	0.009	Sericitic alteration	4%	
65.00	66.00	1.00	1075828	0.012	Sericitic alteration	1%	
66.00	67.00	1.00	1075829	0.020	Sericitic alteration	0%	
67.00	68.00	1.00	1075831	0.907	Sericitic alteration	4%	1 speck moly in qtz-cb-bt/chl vn
68.00	69.00	1.00	1075832	0.054	Sericitic alteration	1%	
69.00	70.00	1.00	1075833	2.258	Sericitic alteration	7%	1 very fgr speck of vg in a 4.5 cm qtz-cb-bt-py-cpy vein
70.00	71.00	1.00	1075835	0.005	Sericitic alteration	2%	
71.00	72.00	1.00	1075837	0.005	Sericitic alteration	8%	
72.00	72.80	0.80	1075838	0.005	Sericitic alteration	0%	
72.80	74.00	1.20	1075839	0.073	Sericitic alteration	6%	
74.00	75.00	1.00	1075840	0.022	Sericitic alteration	1%	
75.00	76.00	1.00	1075841	0.077	Sericitic alteration	12%	
76.00	77.00	1.00	1075842	0.054	Sericitic alteration	0%	
77.00	78.00	1.00	1075843	0.119	Sericitic alteration	1%	
78.00	79.00	1.00	1075844	0.013	Sericitic alteration	1%	
79.00	80.00	1.00	1075845	0.293	Sericitic alteration	1%	
80.00	81.00	1.00	1075846	0.165	Sericitic alteration	3%	

81.00	82.00	1.00	1075847	0.039	Sericitic alteration	1%	
82.00	83.00	1.00	1075849	0.037	Sericitic alteration	1%	moly in qtz-cb-py-moly vn
83.00	84.00	1.00	1075851	0.137	Sericitic alteration	1%	
84.00	85.00	1.00	1075852	0.026	Sericitic alteration	2%	
85.00	86.40	1.40	1075853	0.009	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>86.40</b>	<b>91.10</b>	<b>Tonalite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
86.40	88.00	1.60	1075854	0.005	Sericitic alteration	7%	mgr, dark green/grey, massive, equigranular; 100% DR fragment
88.00	89.00	1.00	1075855	0.005	Sericitic alteration	1%	100% DR fragment
89.00	90.00	1.00	1075856	0.005	Sericitic alteration	1%	
90.00	91.10	1.10	1075857	0.005	Sericitic alteration	1%	100% DR fragment

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>91.10</b>	<b>248.97</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
91.10	92.00	0.90	1075858	0.260	Sericitic alteration	5%	grey, mgr, massive to weakly foliated in areas, strong pervasive sericite altered tonalite
92.00	93.00	1.00	1075859	0.081	Sericitic alteration	2%	
93.00	94.00	1.00	1075861	0.025	Sericitic alteration	1%	
94.00	95.00	1.00	1075862	0.038	Sericitic alteration	2%	
95.00	96.00	1.00	1075863	0.014	Sericitic alteration	3%	Possible DR fragments in tonalite - too altered to tell
96.00	97.00	1.00	1075864	0.023	Sericitic alteration	1%	
97.00	98.00	1.00	1075865	0.022	Sericitic alteration	1%	
98.00	99.00	1.00	1075866	0.111	Sericitic alteration	1%	
99.00	100.00	1.00	1075867	0.144	Sericitic alteration	4%	
100.00	101.00	1.00	1075868	0.043	Sericitic alteration	11%	
101.00	102.00	1.00	1075869	0.055	Sericitic alteration	4%	
102.00	103.00	1.00	1075871	0.028	Sericitic alteration	0%	
103.00	104.20	1.20	1075873	0.055	Sericitic alteration	7%	
104.20	105.00	0.80	1075874	0.014	Sericitic alteration	5%	
105.00	106.00	1.00	1075875	0.007	Sericitic alteration	0%	
106.00	106.55	0.55	1075876	0.054	Sericitic alteration	1%	
106.55	108.00	1.45	1075877	0.049	Sericitic alteration	3%	
108.00	109.00	1.00	1075878	0.090	Sericitic alteration	0%	
109.00	110.00	1.00	1075879	0.167	Sericitic alteration	2%	
110.00	111.00	1.00	1075880	0.402	Sericitic alteration	1%	
111.00	112.00	1.00	1075881	0.444	Sericitic alteration	6%	
112.00	113.00	1.00	1075882	0.043	Sericitic alteration	1%	
113.00	114.00	1.00	1075883	0.323	Sericitic alteration	1%	
114.00	115.00	1.00	1075885	0.337	Sericitic alteration	3%	

115.00	116.00	1.00	1075886	0.012	Sericitic alteration	2%	
116.00	117.00	1.00	1075887	0.317	Sericitic alteration	5%	
117.00	118.00	1.00	1075888	0.068	Sericitic alteration	9%	
118.00	119.00	1.00	1075889	0.065	Sericitic alteration	2%	
119.00	120.30	1.30	1075891	0.067	Sericitic alteration	3%	
120.30	121.00	0.70	1075892	0.068	Sericitic alteration	1%	
121.00	122.00	1.00	1075893	0.277	Sericitic alteration	0%	
122.00	123.00	1.00	1075894	0.280	Sericitic alteration	0%	
123.00	124.00	1.00	1075895	0.207	Sericitic alteration	2%	
124.00	125.00	1.00	1075897	0.067	Sericitic alteration	5%	
125.00	126.24	1.24	1075898	0.197	Sericitic alteration	5%	
126.24	127.00	0.76	1075899	0.107	Sericitic alteration	1%	
127.00	128.00	1.00	1075900	0.024	Sericitic alteration	3%	moly in 1 qtz-cb-moly-po vn
128.00	129.00	1.00	1075901	0.031	Sericitic alteration	1%	
129.00	130.00	1.00	1075902	0.049	Sericitic alteration	3%	
130.00	131.00	1.00	1075903	0.158	Sericitic alteration	1%	
131.00	132.00	1.00	1075904	0.948	Sericitic alteration	3%	
132.00	133.24	1.24	1075905	1.285	Sericitic alteration	6%	
133.24	134.00	0.76	1075906	0.537	Sericitic alteration	10%	Moly in 2 subparallel veins
134.00	135.00	1.00	1075907	0.351	Sericitic alteration	2%	
135.00	135.96	0.96	1075908	0.290	Sericitic alteration	1%	moly in qtz-cb-py-mo vein
135.96	137.00	1.04	1075909	0.084	Sericitic alteration	4%	
137.00	138.00	1.00	1075911	0.063	Sericitic alteration	1%	
138.00	139.00	1.00	1075913	0.270	Sericitic alteration	1%	
139.00	140.00	1.00	1075914	0.211	Sericitic alteration	1%	
140.00	141.00	1.00	1075915	0.280	Sericitic alteration	2%	
141.00	141.80	0.80	1075916	0.144	Sericitic alteration	6%	Moly in 1.5 cm qtz-cb-bt/chl-cpy-py-moly vn
141.80	143.00	1.20	1075917	0.116	Sericitic alteration	1%	
143.00	144.00	1.00	1075918	0.122	Sericitic alteration	1%	
144.00	145.00	1.00	1075919	0.157	Sericitic alteration	1%	
145.00	146.00	1.00	1075920	0.074	Sericitic alteration	2%	
146.00	147.00	1.00	1075921	0.021	Sericitic alteration	3%	
147.00	148.00	1.00	1075922	0.048	Sericitic alteration	0%	
148.00	149.00	1.00	1075923	0.194	Sericitic alteration	2%	
149.00	150.00	1.00	1075925	0.050	Sericitic alteration	4%	moly in qtz-cb-bt-py-cpy-po-moly with ser alt halo
150.00	151.00	1.00	1075926	0.019	Sericitic alteration	1%	
151.00	152.00	1.00	1075927	0.018	Sericitic alteration	2%	
152.00	153.00	1.00	1075928	0.068	Sericitic alteration	1%	
153.00	154.00	1.00	1075929	0.034	Sericitic alteration	2%	
154.00	155.00	1.00	1075931	0.018	Sericitic alteration	1%	
155.00	156.00	1.00	1075932	0.022	Sericitic alteration	2%	

156.00	157.10	1.10	1075933	0.010	Sericitic alteration	5%	3 separate veins with moly in this sample; all subparallel qtz-cb-bt-py-cpy-po-moly
157.10	158.00	0.90	1075934	0.025	Sericitic alteration	1%	
158.00	159.26	1.26	1075935	0.412	Sericitic alteration	1%	
159.26	160.35	1.09	1075937	0.281	Sericitic alteration	13%	
160.35	161.00	0.65	1075938	0.005	Sericitic alteration	2%	
161.00	162.00	1.00	1075939	0.234	Sericitic alteration	5%	
162.00	163.00	1.00	1075940	0.036	Sericitic alteration	1%	
163.00	164.00	1.00	1075941	0.017	Sericitic alteration	2%	
164.00	165.00	1.00	1075942	0.015	Sericitic alteration	1%	
165.00	166.00	1.00	1075943	0.040	Sericitic alteration	2%	moly in a qtz-cb-py-cpy vn
166.00	167.00	1.00	1075944	0.035	Sericitic alteration	5%	
167.00	168.00	1.00	1075945	0.026	Sericitic alteration	2%	
168.00	169.00	1.00	1075946	0.141	Sericitic alteration	3%	
169.00	170.00	1.00	1075947	0.103	Sericitic alteration	1%	
170.00	171.00	1.00	1075949	0.434	Sericitic alteration	2%	
171.00	172.00	1.00	1075951	0.371	Sericitic alteration	1%	
172.00	173.00	1.00	1075952	0.291	Sericitic alteration	2%	
173.00	174.00	1.00	1075953	0.350	Sericitic alteration	1%	
174.00	175.00	1.00	1075954	0.304	Sericitic alteration	2%	
175.00	176.00	1.00	1075955	1.497	Sericitic alteration	4%	moly in qtz-cb-moly-py-po
176.00	177.00	1.00	1075956	0.158	Sericitic alteration	1%	
177.00	177.90	0.90	1075957	2.238	Sericitic alteration	1%	
177.90	179.00	1.10	1075958	0.984	Sericitic alteration	5%	
179.00	180.00	1.00	1075959	0.069	Sericitic alteration	0%	
180.00	181.00	1.00	1075961	0.059	Sericitic alteration	6%	
181.00	182.00	1.00	1075962	0.050	Sericitic alteration	1%	
182.00	183.00	1.00	1075963	0.022	Sericitic alteration	1%	
183.00	184.00	1.00	1075964	0.017	Sericitic alteration	2%	
184.00	185.00	1.00	1075965	0.016	Sericitic alteration	1%	moly in qtz-cb vein
185.00	186.00	1.00	1075966	0.014	Sericitic alteration	1%	
186.00	187.00	1.00	1075967	0.092	Sericitic alteration	3%	
187.00	188.00	1.00	1075968	0.021	Sericitic alteration	0%	
188.00	189.00	1.00	1075969	0.220	Sericitic alteration	4%	moly in 3 separate qtz-cb-bt veins; possible VG in one of the moly vns
189.00	190.00	1.00	1075972	0.022	Sericitic alteration	1%	
190.00	191.00	1.00	1075973	6.390	Sericitic alteration	7%	possible VG in vein 1 fgr speck
191.00	192.00	1.00	1075974	0.071	Sericitic alteration	1%	
192.00	193.00	1.00	1075975	0.248	Sericitic alteration	3%	
193.00	193.60	0.60	1075976	0.103	Sericitic alteration	1%	moly in vn
193.60	195.00	1.40	1075977	0.021	Sericitic alteration	1%	
195.00	196.00	1.00	1075978	0.938	Sericitic alteration	2%	

196.00	197.00	1.00	1075979	1.466	Sericitic alteration	2%	
197.00	198.00	1.00	1075980	0.705	Sericitic alteration	3%	
198.00	199.00	1.00	1075981	0.407	Sericitic alteration	8%	increased bt fractures in sample
199.00	200.00	1.00	1075982	0.210	Sericitic alteration	1%	
200.00	200.73	0.73	1075983	0.196	Sericitic alteration	2%	
200.73	202.00	1.27	1075985	0.217	Sericitic alteration	0%	
202.00	203.00	1.00	1075986	0.171	Sericitic alteration	3%	
203.00	204.00	1.00	1075987	0.009	Sericitic alteration	1%	
204.00	205.00	1.00	1075988	0.014	Sericitic alteration	1%	
205.00	206.00	1.00	1075989	0.174	Sericitic alteration	2%	
206.00	207.00	1.00	1075991	0.048	Sericitic alteration	2%	
207.00	208.00	1.00	1075992	0.068	Sericitic alteration	2%	
208.00	209.00	1.00	1075993	0.059	Sericitic alteration	1%	
209.00	210.10	1.10	1075994	0.336	Sericitic alteration	0%	
210.10	211.00	0.90	1075995	0.005	Sericitic alteration	1%	
211.00	212.00	1.00	1075997	0.005	Sericitic alteration	0%	
212.00	213.10	1.10	1075998	2.317	Sericitic alteration	1%	
213.10	214.00	0.90	1075999	5.000	Sericitic alteration	0%	
214.00	215.00	1.00	1076000	0.400	Sericitic alteration	1%	
215.00	216.00	1.00	1076001	0.332	Sericitic alteration	0%	
216.00	217.00	1.00	1076002	0.513	Sericitic alteration	7%	
217.00	218.00	1.00	1076003	0.968	Sericitic alteration	0%	
218.00	219.00	1.00	1076004	1.654	Sericitic alteration	0%	
219.00	220.00	1.00	1076005	1.850	Sericitic alteration	0%	
220.00	221.00	1.00	1076006	1.312	Sericitic alteration	0%	
221.00	222.00	1.00	1076007	0.361	Sericitic alteration	0%	
222.00	223.00	1.00	1076008	1.506	Sericitic alteration	0%	
223.00	224.00	1.00	1076009	0.603	Sericitic alteration	2%	
224.00	225.00	1.00	1076011	0.400	Sericitic alteration	2%	
225.00	226.00	1.00	1076013	0.273	Sericitic alteration	0%	
226.00	227.00	1.00	1076014	0.256	Sericitic alteration	0%	
227.00	228.00	1.00	1076015	0.343	Sericitic alteration	0%	
228.00	229.00	1.00	1076016	0.202	Sericitic alteration	2%	
229.00	230.00	1.00	1076017	0.538	Sericitic alteration	5%	
230.00	231.00	1.00	1076018	0.021	Sericitic alteration	1%	
231.00	232.00	1.00	1076019	0.077	Sericitic alteration	4%	
232.00	233.00	1.00	1076020	0.073	Sericitic alteration	4%	
233.00	234.00	1.00	1076021	0.052	Sericitic alteration	0%	
234.00	235.00	1.00	1076022	0.096	Sericitic alteration	0%	
235.00	236.00	1.00	1076023	0.240	Sericitic alteration	1%	
236.00	237.00	1.00	1076025	0.682	Sericitic alteration	0%	
237.00	238.00	1.00	1076026	0.015	Sericitic alteration	2%	

238.00	239.00	1.00	1076027	0.925	Sericitic alteration	0%
239.00	240.00	1.00	1076028	2.263	Sericitic alteration	0%
240.00	241.00	1.00	1076029	0.039	Sericitic alteration	0%
241.00	242.00	1.00	1076031	0.881	Sericitic alteration	1%
242.00	243.00	1.00	1076032	0.223	Sericitic alteration	1%
243.00	244.00	1.00	1076033	0.512	Sericitic alteration	2%
244.00	245.00	1.00	1076034	0.748	Sericitic alteration	0%
245.00	246.00	1.00	1076035	0.846	Sericitic alteration	0%
246.00	247.00	1.00	1076037	0.323	Sericitic alteration	3%
247.00	248.00	1.00	1076038	2.412	Sericitic alteration	1%
248.00	248.97	0.97	1076039	0.467	Sericitic alteration	6%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>248.97</b>	<b>249.47</b>	<b>Diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
248.97	249.47	0.50	1076040	0.028	Sericitic alteration	0%	small dike, fgr, grey, mod foliated, sharp contact with tonalite

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>249.47</b>	<b>266.50</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
249.47	250.00	0.53	1076041	0.625	Sericitic alteration	1%	same as tonalite above
250.00	251.00	1.00	1076042	0.158	Sericitic alteration	1%	
251.00	251.67	0.67	1076043	1.162	Sericitic alteration	0%	
251.67	253.00	1.33	1076044	1.595	Sericitic alteration	3%	
253.00	254.00	1.00	1076045	1.639	Sericitic alteration	0%	
254.00	255.00	1.00	1076046	2.720	Sericitic alteration	3%	+ unknown silvery metallic mineral in vein <<1%
255.00	255.80	0.80	1076047	2.408	Sericitic alteration	1%	
255.80	257.00	1.20	1076049	3.500	Sericitic alteration	0%	
257.00	258.00	1.00	1076051	2.595	Sericitic alteration	25%	
258.00	259.00	1.00	1076052	0.179	Sericitic alteration	0%	
259.00	260.00	1.00	1076053	2.067	Sericitic alteration	0%	
260.00	261.00	1.00	1076054	1.134	Sericitic alteration	6%	+ unknown silvery metallic mineral in vein <<1%
261.00	262.00	1.00	1076055	1.507	Sericitic alteration	2%	
262.00	263.00	1.00	1076056	0.072	Sericitic alteration	3%	
263.00	264.00	1.00	1076057	3.100	Sericitic alteration	0%	
264.00	265.00	1.00	1076058	0.822	Sericitic alteration	0%	
265.00	266.50	1.50	1076059	1.184	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>266.50</b>	<b>267.00</b>	<b>Diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
266.50	267.00	0.50	1076061	0.064	Biotitic alteration	2%	



<b>From</b> 267.00	<b>To</b> 430.74	<b>Lithologic Group</b>					
		<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
267.00	268.50	1.50	1076062	0.063	Sericitic alteration	1%	
268.50	270.00	1.50	1076063	0.174	Sericitic alteration	3%	1 speck Te in a qtz-cb-py vn
270.00	271.00	1.00	1076065	0.100	Sericitic alteration	0%	
271.00	272.00	1.00	1076066	0.039	Sericitic alteration	5%	Sphalerite is a reddy brown colour
272.00	273.00	1.00	1076067	1.043	Sericitic alteration	1%	
273.00	274.00	1.00	1076068	0.565	Sericitic alteration	0%	
274.00	275.00	1.00	1076069	0.280	Sericitic alteration	1%	
275.00	276.00	1.00	1076071	0.579	Sericitic alteration	1%	
276.00	277.00	1.00	1076073	0.616	Sericitic alteration	2%	
277.00	278.05	1.05	1076074	0.258	Sericitic alteration	1%	
278.05	279.00	0.95	1076075	0.556	Sericitic alteration	0%	
279.00	280.00	1.00	1076076	0.546	Sericitic alteration	0%	
280.00	281.00	1.00	1076077	0.151	Sericitic alteration	0%	
281.00	282.00	1.00	1076078	0.069	Sericitic alteration	0%	
282.00	283.00	1.00	1076079	0.357	Sericitic alteration	0%	
283.00	284.00	1.00	1076080	0.689	Sericitic alteration	1%	
284.00	285.00	1.00	1076081	2.280	Sericitic alteration	0%	
285.00	286.00	1.00	1076082	2.000	Sericitic alteration	0%	
286.00	287.50	1.50	1076083	0.073	Sericitic alteration	2%	
287.50	289.00	1.50	1076085	0.254	Sericitic alteration	1%	
289.00	290.00	1.00	1076086	0.637	Sericitic alteration	1%	
290.00	291.00	1.00	1076087	0.181	Sericitic alteration	1%	
291.00	291.95	0.95	1076088	0.299	Sericitic alteration	3%	
291.95	293.00	1.05	1076089	0.446	Sericitic alteration	2%	Moly in vn
293.00	294.00	1.00	1076091	0.390	Sericitic alteration	5%	unknown silvery metallic mineral in vein - possibly sph
294.00	295.00	1.00	1076092	0.179	Sericitic alteration	4%	
295.00	295.95	0.95	1076093	0.641	Sericitic alteration	1%	
295.95	297.00	1.05	1076094	0.452	Sericitic alteration	2%	possible reddish brown sph in vn
297.00	298.00	1.00	1076095	0.094	Sericitic alteration	0%	
298.00	299.00	1.00	1076097	0.125	Sericitic alteration	2%	
299.00	300.00	1.00	1076098	0.729	Sericitic alteration	2%	
300.00	301.00	1.00	1076099	0.148	Sericitic alteration	2%	silvery mineral disseminated in sample - possibly sph?
301.00	302.00	1.00	1076100	0.409	Sericitic alteration	0%	
302.00	303.00	1.00	1076101	5.980	Sericitic alteration	1%	
303.00	304.00	1.00	1076102	0.797	Sericitic alteration	0%	
304.00	304.85	0.85	1076103	0.853	Sericitic alteration	0%	<<1% disseminated silvery metallic sulphide

304.85	306.00	1.15	1076104	0.317	Sericitic alteration	1%	
306.00	306.90	0.90	1076105	0.280	Sericitic alteration	0%	
306.90	308.00	1.10	1076106	0.234	Sericitic alteration	15%	
308.00	309.00	1.00	1076107	0.447	Sericitic alteration	3%	
309.00	309.87	0.87	1076108	0.415	Sericitic alteration	1%	
309.87	311.00	1.13	1076109	0.134	Sericitic alteration	0%	
311.00	312.00	1.00	1076111	0.536	Sericitic alteration	0%	
312.00	313.00	1.00	1076113	0.520	Sericitic alteration	10%	
313.00	314.00	1.00	1076114	0.496	Sericitic alteration	2%	
314.00	315.00	1.00	1076115	0.125	Sericitic alteration	2%	
315.00	316.00	1.00	1076116	0.227	Sericitic alteration	0%	
316.00	317.00	1.00	1076117	0.487	Sericitic alteration	10%	
317.00	318.00	1.00	1076118	2.283	Sericitic alteration	1%	
318.00	319.00	1.00	1076119	1.391	Sericitic alteration	3%	
319.00	320.00	1.00	1076120	3.200	Sericitic alteration	8%	
320.00	321.00	1.00	1076121	1.815	Sericitic alteration	1%	
321.00	322.00	1.00	1076122	0.580	Sericitic alteration	8%	
322.00	323.00	1.00	1076123	1.274	Sericitic alteration	1%	
323.00	324.00	1.00	1076125	0.434	Sericitic alteration	0%	
324.00	325.00	1.00	1076126	0.553	Sericitic alteration	0%	
325.00	326.05	1.05	1076127	0.548	Sericitic alteration	6%	1 mgr spck of VG in irregular vn
326.05	327.08	1.03	1076128	0.678	Sericitic alteration	0%	
327.08	328.05	0.97	1076129	5.650	Sericitic alteration	2%	
328.05	328.90	0.85	1076131	1.093	Sericitic alteration	5%	
328.90	330.00	1.10	1076132	0.156	Sericitic alteration	5%	
330.00	331.00	1.00	1076133	0.324	Sericitic alteration	1%	
331.00	332.00	1.00	1076134	0.391	Sericitic alteration	10%	
332.00	333.00	1.00	1076135	0.219	Sericitic alteration	0%	
333.00	334.00	1.00	1076137	0.260	Sericitic alteration	2%	
334.00	335.15	1.15	1076138	0.553	Sericitic alteration	7%	
335.15	336.00	0.85	1076139	0.749	Sericitic alteration	1%	
336.00	337.00	1.00	1076140	0.363	Sericitic alteration	16%	
337.00	338.00	1.00	1076141	0.456	Sericitic alteration	2%	
338.00	339.00	1.00	1076142	0.449	Sericitic alteration	13%	
339.00	340.00	1.00	1076143	0.294	Sericitic alteration	0%	
340.00	341.00	1.00	1076144	1.007	Sericitic alteration	1%	
341.00	342.00	1.00	1076145	0.746	Sericitic alteration	1%	
342.00	343.00	1.00	1076146	0.254	Sericitic alteration	2%	
343.00	344.00	1.00	1076147	1.712	Sericitic alteration	5%	
344.00	345.00	1.00	1076149	1.170	Sericitic alteration	7%	
345.00	346.55	1.55	1076151	0.175	Sericitic alteration	1%	Possible dr fragment in tonalite from 345.37-346.26 m

346.55	347.72	1.17	1076152	0.632	Sericitic alteration	1%	Two diorite fragments in tonalite from 346.55-345.72 m and 347.45-347.72 m
347.72	349.00	1.28	1076153	1.077	Sericitic alteration	6%	
349.00	350.00	1.00	1076154	0.047	Sericitic alteration	1%	
350.00	351.00	1.00	1076155	0.309	Sericitic alteration	1%	
351.00	352.00	1.00	1076156	0.756	Sericitic alteration	5%	
352.00	353.00	1.00	1076157	1.079	Sericitic alteration	2%	
353.00	354.00	1.00	1076158	4.000	Sericitic alteration	2%	
354.00	354.93	0.93	1076159	1.084	Sericitic alteration	1%	
354.93	356.00	1.07	1076161	1.450	Sericitic alteration	3%	
356.00	357.00	1.00	1076162	0.367	Sericitic alteration	4%	
357.00	358.00	1.00	1076163	0.784	Sericitic alteration	2%	
358.00	359.00	1.00	1076164	0.735	Sericitic alteration	2%	
359.00	360.00	1.00	1076165	1.077	Sericitic alteration	0%	
360.00	361.00	1.00	1076166	0.302	Sericitic alteration	0%	
361.00	362.30	1.30	1076167	0.918	Sericitic alteration	1%	
362.30	363.00	0.70	1076168	0.085	Sericitic alteration	0%	
363.00	364.00	1.00	1076169	0.021	Sericitic alteration	0%	
364.00	365.00	1.00	1076171	0.073	Sericitic alteration	0%	
365.00	366.00	1.00	1076173	1.896	Sericitic alteration	1%	
366.00	367.00	1.00	1076174	1.232	Sericitic alteration	0%	
367.00	368.00	1.00	1076175	0.509	Sericitic alteration	0%	
368.00	369.00	1.00	1076176	1.456	Sericitic alteration	1%	
369.00	370.00	1.00	1076177	0.835	Sericitic alteration	1%	
370.00	371.00	1.00	1076178	0.306	Sericitic alteration	2%	
371.00	372.00	1.00	1076179	0.925	Sericitic alteration	0%	
372.00	373.00	1.00	1076180	0.553	Sericitic alteration	5%	
373.00	374.00	1.00	1076181	1.028	Sericitic alteration	1%	
374.00	375.00	1.00	1076182	0.371	Sericitic alteration	1%	
375.00	376.12	1.12	1076183	0.760	Sericitic alteration	1%	
376.12	376.62	0.50	1076185	1.668	Sericitic alteration	1%	
376.62	378.00	1.38	1076186	2.123	Sericitic alteration	2%	
378.00	379.00	1.00	1076187	2.036	Sericitic alteration	1%	
379.00	380.08	1.08	1076188	0.184	Sericitic alteration	4%	Two diorite fragments in sample from 379.16-379.49 m and 379-8-380.08 m
380.08	381.00	0.92	1076189	1.163	Sericitic alteration	1%	
381.00	382.00	1.00	1076191	1.109	Sericitic alteration	0%	
382.00	383.00	1.00	1076192	0.828	Sericitic alteration	2%	
383.00	384.00	1.00	1076193	0.962	Sericitic alteration	3%	
384.00	385.00	1.00	1076194	6.060	Sericitic alteration	6%	
385.00	386.01	1.01	1076195	1.926	Sericitic alteration	0%	
386.01	387.00	0.99	1076197	5.230	Sericitic alteration	10%	

387.00	388.00	1.00	1076198	0.149	Sericitic alteration	1%
388.00	389.00	1.00	1076199	0.583	Sericitic alteration	5%
389.00	390.00	1.00	1076200	0.653	Sericitic alteration	1%
390.00	391.00	1.00	1076201	4.810	Sericitic alteration	1%
391.00	392.00	1.00	1076203	1.932	Sericitic alteration	1%
392.00	393.00	1.00	1076204	1.484	Sericitic alteration	6%
393.00	394.00	1.00	1076205	2.256	Sericitic alteration	1%
394.00	395.00	1.00	1076206	4.840	Sericitic alteration	1%
395.00	396.00	1.00	1076207	0.455	Sericitic alteration	3%
396.00	397.00	1.00	1076208	1.865	Sericitic alteration	2%
397.00	398.00	1.00	1076209	0.731	Sericitic alteration	0%
398.00	399.00	1.00	1076211	1.213	Sericitic alteration	2%
399.00	400.00	1.00	1076213	2.638	Sericitic alteration	1%
400.00	401.00	1.00	1076214	0.563	Sericitic alteration	0%
401.00	402.00	1.00	1076215	0.883	Sericitic alteration	0%
402.00	403.00	1.00	1076216	1.041	Sericitic alteration	0%
403.00	404.00	1.00	1076217	0.323	Sericitic alteration	1%
404.00	405.00	1.00	1076218	0.737	Sericitic alteration	1%
405.00	406.00	1.00	1076219	0.376	Sericitic alteration	1%
406.00	407.00	1.00	1076220	1.268	Sericitic alteration	1%
407.00	408.00	1.00	1076221	0.611	Sericitic alteration	1%
408.00	409.00	1.00	1076222	0.591	Sericitic alteration	0%
409.00	410.00	1.00	1076223	0.673	Sericitic alteration	1%
410.00	411.00	1.00	1076225	1.103	Sericitic alteration	0%
411.00	412.00	1.00	1076226	0.195	Sericitic alteration	12%
412.00	413.00	1.00	1076227	0.695	Sericitic alteration	1%
413.00	414.00	1.00	1076228	0.288	Sericitic alteration	2%
414.00	415.00	1.00	1076229	0.264	Sericitic alteration	7%
415.00	416.00	1.00	1076231	0.210	Sericitic alteration	1%
416.00	417.00	1.00	1076232	0.171	Sericitic alteration	2%
417.00	418.00	1.00	1076233	0.285	Sericitic alteration	3%
418.00	419.00	1.00	1076234	0.266	Sericitic alteration	3%
419.00	420.00	1.00	1076235	0.214	Sericitic alteration	1%
420.00	421.00	1.00	1076237	0.176	Sericitic alteration	3%
421.00	422.00	1.00	1076238	0.651	Sericitic alteration	1%
422.00	423.00	1.00	1076239	0.450	Sericitic alteration	4%
423.00	424.00	1.00	1076240	0.048	Sericitic alteration	1%
424.00	425.00	1.00	1076241	1.585	Sericitic alteration	1%
425.00	426.00	1.00	1076242	0.959	Sericitic alteration	0%
426.00	426.94	0.94	1076243	0.337	Sericitic alteration	1%
426.94	428.00	1.06	1076244	0.142	Sericitic alteration	9%
428.00	428.60	0.60	1076245	0.163	Sericitic alteration	1%

428.60	430.00	1.40	1076246	0.303	Sericitic alteration	9%	higher vein% in sample due to low angle qtz vn
430.00	430.74	0.74	1076247	0.402	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>430.74</b>	<b>432.00</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
430.74	432.00	1.26	1076249	0.011	Chloritic alteration	1%	Fine-grained with medium- to coarse-grained chl, grey-green, massive to foliated; Low to moderate angle lower contact at 432 m with Ton so small portion of tonalite in sample at end of hole

# DRILL HOLE REPORT

Drill Hole **GOS20-44** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 327.2  
 Dip -60.5  
 Length 438.0 m  
 Started 19-Mar-20  
 Completed 26-Mar-20  
 Logged 16-Jul-20  
 Logged by Brian Tomczuk

Company  
 Contractor NPLH Drilling  
 Position  
 Bore Size NQ  
 Sample Storage Klondike Lodge  
 Casing NONE  
 Condition Cemented

Survey Details:

Claim Number PAT-11121  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool SURV

Coordinates:

Target Easting 431071.61  
 Comments UTM Datum NAD83 Northing 5267543.16  
 UTM Zone 17 Elevation 381.04

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
12.0	332.10	-60.50	56494	RM		42.0	332.60	-60.40	55855	RM	
15.0	332.10	-60.50	56173	RM		45.0	332.60	-60.40	55900	RM	
18.0	332.20	-60.50	56073	RM		48.0	332.60	-60.40	55878	RM	
21.0	332.30	-60.50	56018	RM		51.0	332.60	-60.30	55890	RM	
24.0	332.20	-60.50	56058	RM		54.0	332.60	-60.30	55832	RM	
27.0	332.20	-60.40	55982	RM		57.0	332.60	-60.20	55844	RM	
30.0	332.40	-60.40	55872	RM		60.0	332.80	-60.20	55845	RM	
33.0	332.40	-60.40	55923	RM		63.0	332.80	-60.20	55822	RM	
36.0	332.20	-60.40	55851	RM		66.0	332.90	-60.10	55858	RM	
39.0	332.50	-60.30	55865	RM		69.0	332.90	-60.10	55816	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
72.0	332.90	-60.10	55821	RM	
75.0	332.70	-60.00	55784	RM	
78.0	332.80	-60.00	55707	RM	
81.0	332.20	-60.00	56014	RM	
87.0	333.00	-60.00	55825	RM	
90.0	333.30	-60.00	55785	RM	
93.0	332.50	-60.00	55578	RM	
96.0	333.70	-60.00	54965	RM	
99.0	333.30	-60.00	55829	RM	
102.0	333.10	-60.00	55820	RM	
105.0	333.10	-60.00	55807	RM	
108.0	333.10	-60.00	55820	RM	
111.0	332.90	-60.00	55830	RM	
114.0	333.00	-59.90	55803	RM	
117.0	332.90	-59.90	55796	RM	
120.0	332.90	-59.90	55795	RM	
123.0	333.20	-59.90	55882	RM	
126.0	333.60	-59.30	55890	RM	
129.0	333.10	-59.90	55783	RM	
132.0	332.30	-59.90	55716	RM	
135.0	330.40	-59.90	55010	RM	
138.0	332.70	-59.80	55837	RM	
141.0	333.60	-59.90	55272	RM	
144.0	333.00	-59.90	55338	RM	
147.0	333.20	-59.90	55815	RM	
150.0	333.30	-59.90	55682	RM	
153.0	333.00	-59.90	55832	RM	
156.0	333.10	-59.90	55812	RM	
159.0	333.00	-59.90	55816	RM	
162.0	333.20	-59.80	55771	RM	
165.0	333.30	-59.80	55810	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
168.0	333.30	-59.80	55785	RM	
171.0	333.40	-59.70	55732	RM	
174.0	333.30	-59.70	55774	RM	
177.0	333.50	-59.70	55845	RM	
180.0	333.60	-59.70	55824	RM	
183.0	333.50	-59.70	55758	RM	
186.0	333.60	-59.70	55764	RM	
189.0	333.60	-59.70	55805	RM	
192.0	333.60	-59.60	55759	RM	
198.0	333.50	-59.60	55691	RM	
201.0	333.80	-59.50	55766	RM	
204.0	333.90	-59.50	55784	RM	
207.0	333.90	-59.50	55775	RM	
210.0	333.90	-59.50	55801	RM	
213.0	333.70	-59.80	55822	RM	
216.0	334.00	-59.50	55748	RM	
219.0	334.10	-59.40	55704	RM	
222.0	334.00	-59.40	55757	RM	
225.0	334.20	-59.40	55736	RM	
228.0	334.20	-59.40	55782	RM	
231.0	334.30	-59.40	55787	RM	
234.0	334.30	-59.30	55781	RM	
237.0	334.20	-59.30	55774	RM	
240.0	334.10	-59.30	55751	RM	
243.0	334.20	-59.30	55757	RM	
246.0	334.20	-59.20	55753	RM	
249.0	334.20	-59.20	55705	RM	
252.0	334.60	-59.20	55899	RM	
255.0	334.10	-59.10	55895	RM	
258.0	331.90	-59.20	55317	RM	
261.0	334.20	-59.20	55742	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
264.0	334.10	-59.20	55730	RM	
267.0	334.20	-59.20	55830	RM	
270.0	334.30	-59.20	55755	RM	
273.0	334.30	-59.10	55752	RM	
276.0	334.20	-59.10	55718	RM	
279.0	334.10	-59.00	55749	RM	
282.0	334.00	-59.10	55742	RM	
285.0	334.00	-59.10	55788	RM	
288.0	334.00	-59.10	55784	RM	
291.0	333.90	-59.10	55795	RM	
294.0	334.00	-59.00	55760	RM	
297.0	334.00	-59.00	55789	RM	
300.0	334.00	-59.00	55757	RM	
303.0	334.10	-59.00	55778	RM	
306.0	334.20	-58.90	55768	RM	
309.0	334.20	-58.90	55769	RM	
312.0	334.30	-58.90	55781	RM	
315.0	334.30	-58.80	55784	RM	
318.0	334.40	-58.80	55773	RM	
321.0	334.60	-58.80	55610	RM	
324.0	334.50	-58.80	55781	RM	
327.0	334.40	-58.80	55738	RM	
330.0	334.60	-58.80	55402	RM	
333.0	334.50	-58.80	55792	RM	
336.0	334.40	-58.80	55769	RM	
339.0	334.40	-58.80	55763	RM	
342.0	334.40	-58.80	55736	RM	
345.0	334.30	-58.80	55785	RM	
348.0	334.20	-58.80	55764	RM	
351.0	334.30	-58.80	55784	RM	
354.0	334.20	-58.80	55742	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
357.0	334.10	-58.90	55791	RM	
360.0	333.90	-59.00	55690	RM	
363.0	333.90	-59.00	55838	RM	
366.0	334.00	-59.00	55781	RM	
369.0	333.90	-59.00	55749	RM	
372.0	333.70	-59.10	55746	RM	
375.0	333.60	-59.10	55782	RM	
378.0	333.30	-59.30	55784	RM	
381.0	333.50	-59.00	55771	RM	
384.0	333.40	-59.00	55806	RM	
387.0	333.40	-59.00	55777	RM	
390.0	333.30	-59.00	55786	RM	
393.0	333.40	-59.00	55747	RM	
396.0	333.40	-59.00	55793	RM	
399.0	333.30	-59.00	55788	RM	
402.0	333.40	-59.00	55798	RM	
405.0	333.40	-58.90	55809	RM	
408.0	333.30	-58.90	55788	RM	
411.0	333.30	-58.90	55794	RM	
414.0	333.20	-58.90	55781	RM	
417.0	333.10	-58.90	55787	RM	
420.0	333.00	-58.90	55765	RM	
423.0	333.10	-58.90	55812	RM	
426.0	331.00	-58.90	55793	RM	
429.0	331.10	-58.90	55805	RM	
432.0	330.90	-58.90	55743	RM	
435.0	330.80	-58.90	55800	RM	



<b>From</b>		<b>To</b>		<b>Lithologic Group</b>			
<b>0.00</b>		<b>11.05</b>		<b>Overburden</b>			
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	11.05	11.05					
<b>From</b>		<b>To</b>		<b>Lithologic Group</b>			
<b>11.05</b>		<b>19.15</b>		<b>Tonalite</b>			
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
11.05	12.00	0.95	1084501	0.009	Sericitic alteration	4%	mg, massive, equigranular, non-magnetic light grey-blue to beige tonalite
12.00	13.00	1.00	1084502	0.012	Sericitic alteration	1%	
13.00	14.00	1.00	1084503	0.006	Sericitic alteration	0%	
14.00	15.00	1.00	1084504	0.005	Sericitic alteration	0%	
15.00	16.00	1.00	1084505	0.005	Sericitic alteration	1%	
16.00	17.00	1.00	1084506	0.007	Sericitic alteration	1%	
17.00	18.00	1.00	1084507	0.034	Sericitic alteration	1%	
18.00	19.15	1.15	1084508	0.126	Sericitic alteration	2%	
<b>From</b>		<b>To</b>		<b>Lithologic Group</b>			
<b>19.15</b>		<b>20.25</b>		<b>Lamprophyre Dyke</b>			
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
19.15	20.25	1.10	1084509	0.005	Carbonate Altered	0%	fg, drk green, foliated, non-magnetic, few bi phenos
<b>From</b>		<b>To</b>		<b>Lithologic Group</b>			
<b>20.25</b>		<b>37.15</b>		<b>Tonalite</b>			
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
20.25	21.00	0.75	1084511	0.010	Sericitic alteration	1%	mg, massive, equigranular, non-magnetic light grey to beige tonalite
21.00	22.00	1.00	1084513	0.009	Sericitic alteration	1%	
22.00	23.00	1.00	1084514	0.017	Sericitic alteration	1%	
23.00	24.00	1.00	1084515	0.005	Sericitic alteration	2%	
24.00	25.00	1.00	1084516	0.005	Sericitic alteration	1%	
25.00	26.00	1.00	1084517	0.008	Sericitic alteration	1%	
26.00	27.00	1.00	1084518	0.011	Sericitic alteration	1%	
27.00	28.00	1.00	1084519	0.018	Sericitic alteration	2%	
28.00	29.00	1.00	1084520	0.010	Sericitic alteration	1%	
29.00	30.00	1.00	1084521	0.005	Sericitic alteration	1%	
30.00	31.00	1.00	1084522	0.006	Sericitic alteration	1%	
31.00	32.00	1.00	1084523	0.046	Sericitic alteration	2%	
32.00	33.00	1.00	1084525	0.005	Sericitic alteration	1%	

33.00	34.00	1.00	1084526	0.005	Sericitic alteration	1%	overprinted fragment with increased py min
34.00	35.00	1.00	1084527	0.013	Sericitic alteration	1%	patchy sil
35.00	36.00	1.00	1084528	0.014	Sericitic alteration	3%	overprinted frags
36.00	37.15	1.15	1084529	0.008	Sericitic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>37.15</b>	<b>40.80</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
37.15	38.50	1.35	1084531	0.005	Carbonate Altered	5%	fg, drk grn, shrd at shrp contacts, non-magnetic
38.50	39.50	1.00	1084532	0.005	Carbonate Altered	3%	
39.50	40.80	1.30	1084533	0.009	Carbonate Altered	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>40.80</b>	<b>99.32</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
40.80	42.00	1.20	1084534	0.009	Sericitic alteration	1%	
42.00	43.00	1.00	1084535	0.016	Sericitic alteration	1%	
43.00	44.00	1.00	1084537	0.015	Sericitic alteration	1%	
44.00	45.00	1.00	1084538	0.010	Sericitic alteration	1%	
45.00	46.00	1.00	1084539	0.041	Sericitic alteration	3%	
46.00	47.00	1.00	1084540	0.018	Sericitic alteration	1%	
47.00	48.00	1.00	1084541	0.012	Sericitic alteration	1%	
48.00	48.92	0.92	1084542	0.026	Sericitic alteration	2%	
48.92	50.00	1.08	1084543	0.027	Sericitic alteration	2%	
50.00	51.00	1.00	1084544	0.046	Sericitic alteration	0%	
51.00	52.00	1.00	1084545	0.192	Sericitic alteration	2%	
52.00	53.00	1.00	1084546	0.045	Sericitic alteration	1%	poss ser overprinted bx texture
53.00	54.00	1.00	1084547	0.168	Sericitic alteration	1%	
54.00	55.00	1.00	1084549	0.173	Sericitic alteration	2%	
55.00	56.00	1.00	1084551	0.038	Sericitic alteration	1%	
56.00	57.00	1.00	1084552	0.009	Sericitic alteration	1%	
57.00	58.00	1.00	1084553	0.079	Sericitic alteration	3%	
58.00	59.00	1.00	1084554	0.257	Sericitic alteration	3%	
59.00	60.00	1.00	1084555	0.065	Sericitic alteration	4%	
60.00	61.00	1.00	1084556	0.578	Sericitic alteration	0%	sil/ser overprinted fragments
61.00	62.00	1.00	1084557	0.438	Sericitic alteration	4%	sil/ser overprinted fragments
62.00	63.00	1.00	1084558	0.292	Sericitic alteration	1%	
63.00	64.00	1.00	1084559	0.042	Sericitic alteration	0%	
64.00	65.00	1.00	1084561	0.017	Sericitic alteration	0%	
65.00	66.00	1.00	1084562	0.259	Sericitic alteration	2%	
66.00	67.00	1.00	1084563	0.021	Sericitic alteration	2%	
67.00	68.00	1.00	1084564	0.304	Sericitic alteration	1%	
68.00	69.00	1.00	1084565	0.023	Sericitic alteration	4%	

69.00	70.00	1.00	1084566	0.075	Sericitic alteration	0%	poss overprinted fragments and matrix material
70.00	71.00	1.00	1084567	0.006	Sericitic alteration	0%	
71.00	72.00	1.00	1084568	0.022	Sericitic alteration	3%	
72.00	73.00	1.00	1084569	0.057	Sericitic alteration	2%	
73.00	74.00	1.00	1084571	0.021	Sericitic alteration	2%	several specks of Mo in qtz-cb-chl/bo-py-cpy-po vein
74.00	75.00	1.00	1084573	0.063	Sericitic alteration	2%	
75.00	76.00	1.00	1084574	0.044	Sericitic alteration	1%	
76.00	77.00	1.00	1084575	0.635	Sericitic alteration	2%	
77.00	78.00	1.00	1084576	0.017	Sericitic alteration	0%	
78.00	79.00	1.00	1084577	0.062	Sericitic alteration	2%	poss overprinted frgs
79.00	80.00	1.00	1084578	0.048	Sericitic alteration	1%	
80.00	81.00	1.00	1084579	0.075	Sericitic alteration	1%	
81.00	82.00	1.00	1084580	0.084	Sericitic alteration	0%	
82.00	83.00	1.00	1084581	0.065	Sericitic alteration	0%	
83.00	84.00	1.00	1084582	0.254	Sericitic alteration	0%	
84.00	85.00	1.00	1084583	0.029	Sericitic alteration	0%	
85.00	86.00	1.00	1084585	0.023	Sericitic alteration	0%	
86.00	87.00	1.00	1084586	0.068	Sericitic alteration	0%	
87.00	88.00	1.00	1084587	0.025	Sericitic alteration	5%	
88.00	89.00	1.00	1084588	0.024	Sericitic alteration	2%	
89.00	90.00	1.00	1084589	0.053	Sericitic alteration	1%	
90.00	91.00	1.00	1084591	0.096	Sericitic alteration	3%	2.5cm wide quartz-trm-cb vein (trm not in pick list)
91.00	92.00	1.00	1084592	0.095	Sericitic alteration	1%	0.1% trm in vein
92.00	93.00	1.00	1084593	0.006	Sericitic alteration	1%	
93.00	94.00	1.00	1084594	0.018	Sericitic alteration	2%	
94.00	95.00	1.00	1084595	0.058	Sericitic alteration	2%	
95.00	96.00	1.00	1084597	0.018	Sericitic alteration	1%	
96.00	97.00	1.00	1084598	7.480	Sericitic alteration	4%	0.5cm vein at 96.73 w qtz-cb-chl-cpy-VG (3 spots)-telluride; did not put a blank in as it was noticed after the fact
97.00	98.00	1.00	1084599	0.008	Sericitic alteration	2%	
98.00	99.32	1.32	1084600	0.014	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>99.32</b>	<b>102.40</b>	<b>Diabase</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
99.32	101.00	1.68	1084601	0.005	Epidote alteration	0%	fg, magnetic m massive w ep altd plag phenos
101.00	102.40	1.40	1084602	0.005	Epidote alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>102.40</b>	<b>109.05</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
102.40	103.00	0.60	1084603	0.248	Sericitic alteration	1%	mg, light gry, massive, non-magnetic equigranular
103.00	104.00	1.00	1084604	0.083	Sericitic alteration	1%	
104.00	105.00	1.00	1084605	0.064	Sericitic alteration	2%	
105.00	106.00	1.00	1084606	0.018	Sericitic alteration	2%	
106.00	107.00	1.00	1084607	0.012	Sericitic alteration	3%	
107.00	108.00	1.00	1084608	0.046	Sericitic alteration	2%	
108.00	109.05	1.05	1084609	0.045	Sericitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>109.05</b>	<b>110.48</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
109.05	110.48	1.43	1084611	0.006	Chloritic alteration	5%	fg, foliated, non-magnetic lamp dyke w diss bi phenos
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>110.48</b>	<b>111.50</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
110.48	111.50	1.02	1084613	0.097	Sericitic alteration	1%	mg, massive, non-magnetic light grey tonalite w mottled appearance
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>111.50</b>	<b>112.20</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
111.50	112.20	0.70	1084614	0.005	Chloritic alteration	2%	fg, grn, massive to slightly foliated mafic dyke, non-magnetic and equigranular
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>112.20</b>	<b>113.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
112.20	113.00	0.80	1084615	0.046	Sericitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>113.00</b>	<b>114.10</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
113.00	114.10	1.10	1084616	0.005	Carbonate Altered	5%	fg, drk gry to green, wk-mod foliated w conformable cb stringers, non magnetic
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>114.10</b>	<b>115.32</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
114.10	115.32	1.22	1084617	0.074	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>115.32</b>	<b>117.30</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
115.32	116.30	0.98	1084618	0.009	Carbonate Altered	5%	fg, drk gry to green, wk-mod foliated w conformable cb stringers, non magnetic
116.30	117.30	1.00	1084619	0.008	Carbonate Altered	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>117.30</b>	<b>138.70</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
117.30	118.00	0.70	1084620	0.035	Sericitic alteration	1%	
118.00	119.00	1.00	1084621	0.011	Sericitic alteration	5%	
119.00	120.00	1.00	1084622	0.036	Sericitic alteration	2%	
120.00	121.00	1.00	1084623	0.099	Sericitic alteration	0%	
121.00	122.00	1.00	1084625	0.026	Sericitic alteration	2%	
122.00	123.00	1.00	1084626	0.146	Sericitic alteration	4%	multiple well formed Mo xls on vein fracture face at 123.98m in qtz-cb-bi-py-cpy vein
123.00	124.00	1.00	1084627	0.052	Sericitic alteration	2%	
124.00	125.00	1.00	1084628	0.393	Sericitic alteration	1%	
125.00	126.00	1.00	1084629	0.110	Sericitic alteration	6%	
126.00	127.00	1.00	1084631	0.035	Sericitic alteration	5%	semi-massive Mo xls aggregates at in 126.63m in py-qtz-cb vein
127.00	128.00	1.00	1084632	0.020	Sericitic alteration	4%	several specks Mo in qtz-cb-chl-py-cpy vein at 127.6m
128.00	129.00	1.00	1084633	0.111	Sericitic alteration	1%	
129.00	130.00	1.00	1084634	0.171	Sericitic alteration	2%	
130.00	131.05	1.05	1084635	0.459	Sericitic alteration	15%	
131.05	131.90	0.85	1084637	0.781	Sericitic alteration	2%	
131.90	132.70	0.80	1084638	4.180	Sericitic alteration	7%	visible gold at 132.32 in smokey qtz-bi-chl-cb-py-cpy vein
132.70	133.70	1.00	1084640	0.292	Sericitic alteration	1%	
133.70	134.70	1.00	1084641	0.324	Sericitic alteration	1%	
134.70	135.70	1.00	1084642	0.103	Sericitic alteration	1%	
135.70	136.70	1.00	1084643	0.142	Sericitic alteration	1%	
136.70	137.70	1.00	1084644	0.213	Sericitic alteration	0%	
137.70	138.70	1.00	1084645	0.719	Sericitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>138.70</b>	<b>140.55</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
138.70	139.50	0.80	1084646	0.055	Carbonate Altered	1%	fg, drk grey-grn, non-magnetic, massive except for sheard up hole contact, tr diss py and bi xls
139.50	140.55	1.05	1084647	0.005	Carbonate Altered	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>140.55</b>	<b>143.75</b>	<b>Diabase</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
140.55	142.00	1.45	1084649	0.005	Epidote alteration	2%	fg, massive, magnetic w ep altd plag phenos
142.00	143.75	1.75	1084651	0.005	Epidote alteration	5%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>143.75</b>	<b>146.60</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
143.75	145.00	1.25	1084652	0.089	Silicified	1%	mg, light grey-beige, non- magnetic massive tonalite
145.00	146.00	1.00	1084653	0.317	Silicified	1%	
146.00	146.60	0.60	1084654	0.457	Silicified	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>146.60</b>	<b>149.70</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
146.60	148.10	1.50	1084655	0.005	Carbonate Altered	1%	fg, massive w sheared contacts, grey-grn, magnetic
148.10	149.70	1.60	1084656	0.005	Carbonate Altered	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>149.70</b>	<b>259.95</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
149.70	151.00	1.30	1084657	0.387	Sericitic alteration	3%	mg, massive, equigranular, non- magnetic, light gry to beige
151.00	152.00	1.00	1084658	0.262	Sericitic alteration	4%	
152.00	153.00	1.00	1084659	0.175	Sericitic alteration	2%	
153.00	154.00	1.00	1084661	0.087	Sericitic alteration	2%	
154.00	155.00	1.00	1084662	0.343	Sericitic alteration	1%	
155.00	156.00	1.00	1084663	0.032	Sericitic alteration	5%	multiple Mo specks at 155.13m in qtz-cb vein
156.00	157.00	1.00	1084664	0.181	Sericitic alteration	2%	
157.00	158.00	1.00	1084665	0.070	Sericitic alteration	3%	
158.00	159.00	1.00	1084666	0.189	Sericitic alteration	1%	
159.00	160.00	1.00	1084667	0.127	Sericitic alteration	1%	
160.00	161.00	1.00	1084668	0.346	Sericitic alteration	4%	
161.00	162.00	1.00	1084669	0.039	Sericitic alteration	1%	
162.00	163.00	1.00	1084671	0.114	Sericitic alteration	2%	
163.00	164.00	1.00	1084673	0.049	Sericitic alteration	0%	
164.00	165.00	1.00	1084674	0.033	Sericitic alteration	4%	
165.00	166.00	1.00	1084675	0.236	Sericitic alteration	2%	
166.00	167.00	1.00	1084676	0.210	Sericitic alteration	1%	
167.00	168.00	1.00	1084677	0.053	Sericitic alteration	5%	
168.00	169.00	1.00	1084678	0.065	Sericitic alteration	1%	

169.00	170.00	1.00	1084679	0.799	Sericitic alteration	4%	
170.00	171.00	1.00	1084680	0.210	Sericitic alteration	7%	
171.00	172.00	1.00	1084681	0.045	Sericitic alteration	35%	vein on underside of core - not seen in picture
172.00	173.00	1.00	1084682	0.145	Sericitic alteration	10%	
173.00	174.00	1.00	1084683	1.675	Sericitic alteration	7%	
174.00	175.00	1.00	1084685	0.224	Sericitic alteration	2%	
175.00	176.00	1.00	1084686	0.463	Sericitic alteration	0%	
176.00	177.00	1.00	1084687	0.563	Sericitic alteration	0%	
177.00	178.00	1.00	1084688	0.106	Sericitic alteration	0%	
178.00	179.00	1.00	1084689	0.639	Sericitic alteration	1%	
179.00	180.00	1.00	1084691	0.157	Sericitic alteration	3%	
180.00	181.00	1.00	1084692	0.108	Sericitic alteration	3%	
181.00	182.00	1.00	1084693	0.608	Sericitic alteration	3%	
182.00	183.00	1.00	1084694	0.385	Sericitic alteration	1%	
183.00	184.00	1.00	1084695	1.829	Sericitic alteration	1%	
184.00	185.00	1.00	1084697	0.132	Sericitic alteration	5%	
185.00	185.72	0.72	1084698	0.311	Sericitic alteration	7%	multiple specks of Mo in qtz-cb-chl vn at 185.45m
185.72	187.00	1.28	1084699	0.041	Sericitic alteration	1%	
187.00	188.00	1.00	1084700	0.183	Sericitic alteration	15%	
188.00	189.00	1.00	1084701	0.069	Sericitic alteration	4%	
189.00	190.00	1.00	1084702	0.465	Sericitic alteration	1%	
190.00	191.00	1.00	1084703	0.442	Sericitic alteration	1%	
191.00	192.00	1.00	1084704	0.543	Sericitic alteration	2%	
192.00	193.00	1.00	1084705	0.039	Sericitic alteration	7%	
193.00	194.00	1.00	1084706	0.303	Sericitic alteration	1%	
194.00	195.00	1.00	1084707	0.046	Sericitic alteration	5%	
195.00	196.00	1.00	1084708	0.035	Sericitic alteration	2%	
196.00	197.00	1.00	1084709	0.196	Sericitic alteration	0%	
197.00	198.00	1.00	1084711	3.160	Sericitic alteration	3%	
198.00	199.00	1.00	1084713	0.260	Sericitic alteration	4%	
199.00	200.00	1.00	1084714	0.151	Sericitic alteration	1%	
200.00	201.00	1.00	1084715	1.394	Sericitic alteration	3%	
201.00	202.00	1.00	1084716	0.752	Sericitic alteration	3%	
202.00	203.00	1.00	1084717	0.055	Sericitic alteration	2%	
203.00	204.00	1.00	1084718	0.523	Sericitic alteration	3%	
204.00	205.00	1.00	1084719	0.386	Sericitic alteration	1%	
205.00	206.00	1.00	1084720	0.187	Sericitic alteration	1%	
206.00	207.00	1.00	1084721	0.207	Sericitic alteration	1%	
207.00	208.00	1.00	1084722	0.228	Sericitic alteration	4%	
208.00	209.00	1.00	1084723	0.419	Sericitic alteration	0%	
209.00	210.00	1.00	1084725	0.079	Sericitic alteration	2%	

210.00	211.00	1.00	1084726	0.131	Sericitic alteration	2%	
211.00	212.00	1.00	1084727	0.017	Sericitic alteration	3%	
212.00	213.00	1.00	1084728	0.017	Sericitic alteration	3%	
213.00	214.00	1.00	1084729	0.241	Sericitic alteration	2%	
214.00	215.00	1.00	1084731	0.179	Sericitic alteration	3%	
215.00	216.00	1.00	1084732	0.175	Sericitic alteration	0%	
216.00	217.00	1.00	1084733	0.358	Sericitic alteration	4%	
217.00	218.00	1.00	1084734	0.541	Sericitic alteration	0%	
218.00	219.00	1.00	1084735	0.630	Sericitic alteration	5%	
219.00	220.00	1.00	1084737	0.602	Sericitic alteration	1%	
220.00	221.00	1.00	1084738	0.942	Sericitic alteration	0%	
221.00	222.00	1.00	1084739	0.808	Sericitic alteration	0%	
222.00	223.00	1.00	1084740	0.443	Sericitic alteration	1%	
223.00	224.00	1.00	1084741	0.192	Sericitic alteration	1%	
224.00	225.00	1.00	1084742	0.461	Sericitic alteration	1%	
225.00	226.00	1.00	1084743	0.843	Sericitic alteration	1%	
226.00	227.00	1.00	1084744	0.712	Sericitic alteration	5%	
227.00	228.00	1.00	1084745	0.297	Sericitic alteration	1%	
228.00	229.00	1.00	1084746	0.346	Sericitic alteration	0%	
229.00	230.00	1.00	1084747	0.620	Sericitic alteration	0%	
230.00	231.00	1.00	1084749	0.482	Sericitic alteration	3%	
231.00	232.00	1.00	1084751	0.746	Sericitic alteration	2%	
232.00	233.00	1.00	1084752	0.024	Sericitic alteration	2%	
233.00	234.00	1.00	1084753	0.037	Sericitic alteration	1%	
234.00	235.00	1.00	1084754	0.128	Sericitic alteration	1%	
235.00	236.00	1.00	1084755	0.132	Sericitic alteration	1%	
236.00	237.00	1.00	1084756	0.074	Sericitic alteration	1%	
237.00	238.00	1.00	1084757	0.489	Sericitic alteration	2%	
238.00	239.00	1.00	1084758	0.033	Sericitic alteration	1%	
239.00	240.00	1.00	1084759	0.587	Sericitic alteration	4%	
240.00	241.00	1.00	1084761	0.271	Sericitic alteration	5%	
241.00	242.00	1.00	1084762	0.630	Sericitic alteration	0%	
242.00	243.00	1.00	1084763	0.321	Sericitic alteration	1%	
243.00	244.00	1.00	1084764	0.032	Sericitic alteration	1%	
244.00	245.00	1.00	1084765	0.048	Sericitic alteration	2%	
245.00	246.00	1.00	1084766	0.710	Sericitic alteration	0%	
246.00	247.00	1.00	1084767	0.577	Sericitic alteration	1%	
247.00	248.00	1.00	1084768	0.261	Sericitic alteration	5%	
248.00	249.00	1.00	1084769	0.697	Sericitic alteration	1%	
249.00	250.00	1.00	1084771	0.296	Sericitic alteration	1%	
250.00	251.00	1.00	1084773	0.781	Sericitic alteration	0%	25cm fault zone at 250.58m with gouge
251.00	252.00	1.00	1084774	0.259	Sericitic alteration	1%	



252.00	253.00	1.00	1084775	0.841	Sericitic alteration	1%
253.00	254.00	1.00	1084776	0.448	Sericitic alteration	1%
254.00	255.00	1.00	1084777	0.697	Sericitic alteration	1%
255.00	256.00	1.00	1084778	0.490	Sericitic alteration	1%
256.00	257.00	1.00	1084779	0.181	Sericitic alteration	0%
257.00	258.00	1.00	1084780	0.042	Sericitic alteration	0%
258.00	259.00	1.00	1084781	0.055	Sericitic alteration	1%
259.00	259.95	0.95	1084782	0.123	Sericitic alteration	0%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>259.95</b>	<b>262.17</b>	<b>Lamprophyre Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
259.95	261.00	1.05	1084783	0.005	Carbonate Altered	3%	fg, drk gry-blk, massive with weakly shrd contact, non-magnetic, bi phenos present
261.00	262.17	1.17	1084785	0.033	Carbonate Altered	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>262.17</b>	<b>265.65</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
262.17	263.00	0.83	1084786	0.131	Sericitic alteration	0%	mg, light to med gry, equigranular, massive, non-magnetic
263.00	264.00	1.00	1084787	0.093	Sericitic alteration	1%	
264.00	265.00	1.00	1084788	0.144	Sericitic alteration	1%	
265.00	265.65	0.65	1084789	4.570	Sericitic alteration	2%	last 15cm of sample brecciated at contact with lamp dyke

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>265.65</b>	<b>269.05</b>	<b>Lamprophyre Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
265.65	267.00	1.35	1084791	0.007	Carbonate Altered	4%	g, drk gry-blk, massive with weakly shrd contact downhole and brecciated uphole, non-magnetic, bi phenos present
267.00	268.00	1.00	1084792	0.006	Carbonate Altered	3%	
268.00	269.05	1.05	1084793	0.007	Carbonate Altered	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>269.05</b>	<b>288.79</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
269.05	270.00	0.95	1084794	0.760	Sericitic alteration	1%	mg, light to med gry, equigranular, massive, non-magnetic
270.00	271.00	1.00	1084795	0.884	Sericitic alteration	0%	
271.00	272.00	1.00	1084797	0.284	Sericitic alteration	0%	
272.00	273.00	1.00	1084798	0.227	Sericitic alteration	8%	
273.00	274.00	1.00	1084799	0.023	Sericitic alteration	3%	

274.00	275.00	1.00	1084800	0.005	Sericitic alteration	1%	
275.00	276.00	1.00	1084801	0.373	Sericitic alteration	1%	
276.00	277.00	1.00	1084802	1.270	Sericitic alteration	1%	
277.00	278.00	1.00	1084803	1.376	Sericitic alteration	0%	
278.00	279.00	1.00	1084804	0.287	Sericitic alteration	3%	
279.00	280.00	1.00	1084805	0.090	Sericitic alteration	7%	
280.00	281.00	1.00	1084806	0.866	Sericitic alteration	0%	
281.00	282.00	1.00	1084807	1.358	Sericitic alteration	1%	
282.00	282.80	0.80	1084808	0.622	Sericitic alteration	8%	
282.80	283.80	1.00	1084809	0.682	Sericitic alteration	5%	intense fracturing giving the appearance of insitu brecciation
283.80	285.00	1.20	1084811	1.580	Sericitic alteration	9%	2 tiny specks of VG (possible) at 283.85m in qtz-cb-chl-py vein
285.00	286.00	1.00	1084814	2.312	Sericitic alteration	1%	
286.00	287.00	1.00	1084815	1.101	Sericitic alteration	1%	
287.00	288.00	1.00	1084816	1.314	Sericitic alteration	2%	
288.00	288.79	0.79	1084817	1.215	Sericitic alteration	1%	

From	To	Lithologic Group					
288.79	289.30	Mafic Dyke					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
288.79	289.30	0.51	1084818	0.081	Chloritic alteration	1%	fg, grn, wkly foliated, non-magnetic with shrp irregular contacts

From	To	Lithologic Group					
289.30	404.11	Tonalite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
289.30	290.00	0.70	1084819	1.582	Silicified	0%	mg, light gry to light beige, non-mag, equigranular, massive
290.00	291.00	1.00	1084820	0.640	Sericitic alteration	3%	
291.00	292.00	1.00	1084821	1.395	Sericitic alteration	5%	
292.00	293.00	1.00	1084822	1.104	Sericitic alteration	1%	
293.00	294.00	1.00	1084823	0.507	Sericitic alteration	0%	ser w sil overprint - still remnant plag
294.00	295.00	1.00	1084825	0.943	Sericitic alteration	5%	
295.00	296.00	1.00	1084826	0.605	Sericitic alteration	5%	
296.00	297.00	1.00	1084827	0.288	Sericitic alteration	2%	
297.00	298.00	1.00	1084828	0.314	Sericitic alteration	4%	
298.00	299.00	1.00	1084829	2.265	Sericitic alteration	1%	
299.00	300.00	1.00	1084831	0.736	Sericitic alteration	1%	
300.00	301.00	1.00	1084832	0.394	Sericitic alteration	0%	
301.00	302.00	1.00	1084833	1.554	Sericitic alteration	1%	
302.00	303.00	1.00	1084834	0.394	Sericitic alteration	1%	
303.00	304.00	1.00	1084835	0.918	Sericitic alteration	0%	
304.00	305.00	1.00	1084837	1.063	Sericitic alteration	1%	

305.00	306.00	1.00	1084838	0.520	Sericitic alteration	3%	
306.00	307.00	1.00	1084839	0.037	Sericitic alteration	3%	
307.00	308.00	1.00	1084840	0.095	Sericitic alteration	2%	
308.00	309.00	1.00	1084841	0.122	Sericitic alteration	2%	
309.00	310.00	1.00	1084842	0.402	Sericitic alteration	1%	
310.00	311.00	1.00	1084843	0.051	Sericitic alteration	2%	
311.00	312.00	1.00	1084844	0.387	Sericitic alteration	1%	
312.00	313.00	1.00	1084845	4.150	Sericitic alteration	3%	speck of Mo in qtz-cb-chl vein at 314.42m
313.00	314.00	1.00	1084846	0.890	Sericitic alteration	0%	
314.00	315.00	1.00	1084847	3.940	Sericitic alteration	1%	
315.00	316.00	1.00	1084849	0.662	Sericitic alteration	4%	sphal in qtz-cb-py-cpy-po vn at 315.86m
316.00	317.00	1.00	1084851	0.680	Sericitic alteration	0%	
317.00	318.00	1.00	1084852	2.138	Sericitic alteration	3%	sphal in qtz-cb-chl-py-sphal vn at 317.97m
318.00	319.00	1.00	1084853	1.341	Sericitic alteration	0%	
319.00	320.00	1.00	1084854	1.858	Sericitic alteration	0%	
320.00	321.00	1.00	1084855	1.789	Sericitic alteration	0%	
321.00	322.00	1.00	1084856	1.353	Sericitic alteration	3%	
322.00	323.00	1.00	1084857	0.965	Sericitic alteration	1%	
323.00	324.00	1.00	1084858	1.623	Sericitic alteration	2%	
324.00	325.00	1.00	1084859	0.302	Sericitic alteration	1%	
325.00	326.00	1.00	1084861	0.324	Sericitic alteration	12%	tonalite along margins of qtz-cb-chl vn brecciated
326.00	327.00	1.00	1084862	1.731	Sericitic alteration	6%	
327.00	328.00	1.00	1084863	2.002	Sericitic alteration	5%	starting to get increased sil alteration with mottled look and clotty sulphide aggregates assoc w chlorite; some narrow sections appear look like overprinted bx, occurs until roughly 331.3m
328.00	329.00	1.00	1084864	1.988	Sericitic alteration	0%	
329.00	330.00	1.00	1084865	1.286	Sericitic alteration	3%	
330.00	331.30	1.30	1084866	1.403	Sericitic alteration	2%	last samples that has sections of possible overprinted breccia
331.30	332.00	0.70	1084867	0.450	Sericitic alteration	0%	
332.00	333.00	1.00	1084868	0.531	Sericitic alteration	0%	
333.00	334.00	1.00	1084869	3.960	Sericitic alteration	1%	
334.00	335.00	1.00	1084871	0.968	Sericitic alteration	6%	
335.00	336.00	1.00	1084873	0.590	Sericitic alteration	1%	
336.00	337.00	1.00	1084874	1.379	Sericitic alteration	0%	10-15cm of rubble at beginning of sample
337.00	338.00	1.00	1084875	0.738	Sericitic alteration	1%	20cm of rubble in middle of sample

338.00	339.00	1.00	1084876	1.005	Sericitic alteration	0%	poss narrow section of overprinted bx
339.00	340.00	1.00	1084877	1.078	Sericitic alteration	1%	
340.00	341.00	1.00	1084878	0.935	Sericitic alteration	0%	
341.00	342.00	1.00	1084879	0.473	Sericitic alteration	1%	
342.00	343.00	1.00	1084880	0.796	Sericitic alteration	1%	
343.00	344.00	1.00	1084881	0.460	Sericitic alteration	0%	
344.00	345.00	1.00	1084882	1.216	Sericitic alteration	1%	fg diss sulphides
345.00	346.00	1.00	1084883	1.332	Sericitic alteration	1%	fg diss sulphides
346.00	347.00	1.00	1084885	1.370	Sericitic alteration	3%	fg diss sulphides
347.00	348.00	1.00	1084886	2.910	Sericitic alteration	6%	fg diss sulphides
348.00	349.00	1.00	1084887	0.871	Sericitic alteration	0%	fg diss sulphides
349.00	350.00	1.00	1084888	0.465	Sericitic alteration	1%	
350.00	351.00	1.00	1084889	1.268	Sericitic alteration	6%	sphal at 350.7m in qtz-cb-bi-cpy vein
351.00	352.00	1.00	1084891	0.944	Sericitic alteration	1%	poss patches of overprinted bx up to ~357m
352.00	353.00	1.00	1084892	1.485	Sericitic alteration	1%	same as 1084892
353.00	354.00	1.00	1084893	0.999	Sericitic alteration	2%	same as 1084892
354.00	355.00	1.00	1084894	1.586	Sericitic alteration	0%	same as 1084892
355.00	356.00	1.00	1084895	3.290	Sericitic alteration	1%	same as 1084892
356.00	357.00	1.00	1084897	0.444	Sericitic alteration	1%	same as 1084892
357.00	358.00	1.00	1084898	0.303	Sericitic alteration	2%	
358.00	359.00	1.00	1084899	0.784	Sericitic alteration	4%	few euhedral xls of asp
359.00	359.92	0.92	1084900	1.186	Sericitic alteration	1%	fg diss py
359.92	361.00	1.08	1084901	9.770	Sericitic alteration	3%	several dm scale chl-cb altd mafic frgs 35% of sample
361.00	362.00	1.00	1084902	0.220	Sericitic alteration	1%	fg diss py
362.00	363.00	1.00	1084903	0.861	Sericitic alteration	1%	
363.00	364.00	1.00	1084904	2.484	Sericitic alteration	0%	
364.00	365.00	1.00	1084905	0.841	Sericitic alteration	0%	
365.00	366.00	1.00	1084906	1.356	Sericitic alteration	0%	
366.00	367.00	1.00	1084907	0.689	Sericitic alteration	1%	
367.00	368.00	1.00	1084908	0.550	Sericitic alteration	3%	faulted section shallow tca
368.00	369.00	1.00	1084909	3.600	Sericitic alteration	1%	faulted section shallow tca
369.00	370.00	1.00	1084911	5.540	Sericitic alteration	0%	
370.00	371.00	1.00	1084913	0.442	Sericitic alteration	0%	
371.00	372.00	1.00	1084914	1.303	Sericitic alteration	0%	
372.00	373.00	1.00	1084915	1.508	Sericitic alteration	0%	
373.00	374.00	1.00	1084916	0.346	Sericitic alteration	0%	
374.00	375.00	1.00	1084917	0.422	Sericitic alteration	0%	
375.00	376.00	1.00	1084918	0.547	Sericitic alteration	0%	
376.00	377.00	1.00	1084919	1.186	Sericitic alteration	1%	
377.00	378.00	1.00	1084920	1.484	Sericitic alteration	1%	

378.00	379.00	1.00	1084921	1.160	Sericitic alteration	3%	16cm mfc dyke in sample
379.00	380.00	1.00	1084922	1.424	Sericitic alteration	5%	
380.00	381.00	1.00	1084923	1.742	Sericitic alteration	7%	
381.00	382.00	1.00	1084925	1.919	Sericitic alteration	7%	
382.00	383.00	1.00	1084926	0.599	Sericitic alteration	0%	
383.00	384.00	1.00	1084927	0.646	Sericitic alteration	3%	
384.00	384.85	0.85	1084928	1.433	Sericitic alteration	2%	
384.85	386.00	1.15	1084929	0.775	Sericitic alteration	10%	
386.00	387.00	1.00	1084931	0.317	Sericitic alteration	1%	
387.00	388.00	1.00	1084932	0.314	Sericitic alteration	1%	
388.00	389.00	1.00	1084933	0.978	Sericitic alteration	1%	
389.00	390.00	1.00	1084934	2.571	Sericitic alteration	2%	
390.00	391.30	1.30	1084935	0.442	Sericitic alteration	3%	
391.30	392.00	0.70	1084937	0.216	Sericitic alteration	0%	
392.00	393.45	1.45	1084938	0.148	Sericitic alteration	5%	
393.45	395.00	1.55	1084939	0.238	Sericitic alteration	0%	
395.00	396.00	1.00	1084940	9.510	Sericitic alteration	0%	
396.00	397.00	1.00	1084941	0.009	Sericitic alteration	3%	
397.00	398.50	1.50	1084942	0.546	Sericitic alteration	0%	
398.50	399.00	0.50	1084943	18.800	Sericitic alteration	1%	3 mm sized spks VG in 0.75cm qtz-cb-chl/bi-py-po-cpy vn at 398.86m
399.00	400.00	1.00	1084945	0.660	Sericitic alteration	1%	
400.00	401.00	1.00	1084946	0.766	Sericitic alteration	0%	
401.00	402.00	1.00	1084947	1.127	Sericitic alteration	0%	
402.00	403.00	1.00	1084949	2.535	Sericitic alteration	0%	
403.00	404.11	1.11	1084951	0.811	Sericitic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>404.11</b>	<b>404.85</b>	<b>Mafic Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
404.11	404.85	0.74	1084952	0.053	Chloritic alteration	0%	fg, non-mag, massive, shrp contacts w chilled margins, light greenish-brown

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>404.85</b>	<b>438.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
404.85	406.00	1.15	1084953	1.033	Sericitic alteration	0%	mg, equigranular, massive, light gry, non-magnetic
406.00	407.00	1.00	1084954	0.542	Sericitic alteration	0%	
407.00	408.00	1.00	1084955	2.032	Sericitic alteration	0%	
408.00	409.00	1.00	1084956	0.329	Sericitic alteration	2%	
409.00	410.00	1.00	1084957	0.190	Sericitic alteration	0%	
410.00	411.00	1.00	1084958	9.630	Sericitic alteration	0%	
411.00	412.00	1.00	1084959	2.727	Sericitic alteration	0%	

412.00	413.00	1.00	1084961	0.336	Sericitic alteration	0%
413.00	414.00	1.00	1084962	0.272	Sericitic alteration	1%
414.00	415.00	1.00	1084963	0.100	Sericitic alteration	0%
415.00	416.00	1.00	1084964	4.220	Sericitic alteration	3%
416.00	417.00	1.00	1084965	0.316	Sericitic alteration	0%
417.00	418.00	1.00	1084966	0.633	Sericitic alteration	1%
418.00	419.00	1.00	1084967	0.475	Sericitic alteration	1%
419.00	420.00	1.00	1084968	0.387	Sericitic alteration	2%
420.00	421.00	1.00	1084969	0.468	Sericitic alteration	5%
421.00	422.00	1.00	1084971	0.705	Sericitic alteration	2%
422.00	423.00	1.00	1084973	1.595	Sericitic alteration	0%
423.00	424.00	1.00	1084974	4.800	Sericitic alteration	0%
424.00	425.00	1.00	1084975	0.306	Sericitic alteration	0%
425.00	426.00	1.00	1084976	0.473	Sericitic alteration	0%
426.00	427.00	1.00	1084977	0.159	Sericitic alteration	0%
427.00	428.00	1.00	1084978	0.689	Sericitic alteration	0%
428.00	429.00	1.00	1084979	0.113	Sericitic alteration	7%
429.00	430.00	1.00	1084980	0.428	Silicified	1%
430.00	431.00	1.00	1084981	0.238	Sericitic alteration	1%
431.00	432.00	1.00	1084982	0.523	Sericitic alteration	5%
432.00	433.00	1.00	1084983	0.116	Sericitic alteration	1%
433.00	434.00	1.00	1084985	4.360	Sericitic alteration	3%
434.00	435.00	1.00	1084986	0.017	Sericitic alteration	1%
435.00	436.00	1.00	1084987	0.241	Sericitic alteration	1%
436.00	437.00	1.00	1084988	0.076	Sericitic alteration	1%
437.00	438.00	1.00	1084989	0.121	Sericitic alteration	3%

# DRILL HOLE REPORT

Drill Hole **GOS20-45** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 330.0  
 Dip -60.0  
 Length 76.0 m  
 Started 22-Mar-20  
 Completed 23-Mar-20  
 Logged 15-Jul-20  
 Logged by Brad McKinley

Company  
 Contractor NPLH Drilling  
 Position  
 Bore Size NQ  
 Sample Storage Marathon laydown  
 Casing NONE  
 Condition Cemented

Survey Details:

Claim Number MLO-10658  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Multi-shot Survey  
 Coord Survey Tool DGPS

Coordinates:

Easting 431247.19  
 Northing 5267756.64  
 Elevation 381.01

UTM Datum NAD83

UTM Zone 17

**Target**

**Comments** No orientation lines for the entire hole.Hole drilled on lake ice.Hole was cemented, casing pulled

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
12.0	332.70	-61.80		RM		48.0	334.60	-61.20		RM	
18.0	333.60	-61.30		RM		51.0	334.10	-61.20		RM	
21.0	332.90	-61.40		RM		54.0	332.40	-61.20		RM	
24.0	332.20	-61.80		RM		57.0	333.90	-61.20		RM	
27.0	332.50	-61.40		RM		60.0	333.80	-61.10		RM	
30.0	333.20	-61.30		RM		63.0	333.80	-61.20		RM	
33.0	332.60	-61.40		RM		66.0	332.30	-61.20		RM	
39.0	334.10	-61.40		RM		69.0	332.90	-61.10		RM	
42.0	334.40	-61.20		RM		72.0	334.40	-60.90		RM	
45.0	335.10	-61.20		RM		75.0	336.80	-60.80		RM	

From	To	Lithologic Group					
0.00	12.00	Overburden					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	12.00	12.00			Unaltered	0%	

From	To	Lithologic Group					
12.00	42.30	Tonalite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
12.00	13.00	1.00	784951	0.009	Sericitic alteration	1%	Tonalite with weak patchy sericite alteration
13.00	14.00	1.00	784952	0.064	Sericitic alteration	1%	
14.00	15.00	1.00	784953	0.404	Sericitic alteration	1%	
15.00	16.00	1.00	784954	0.567	Sericitic alteration	1%	
16.00	17.00	1.00	784955	0.152	Sericitic alteration	2%	
17.00	17.90	0.90	784956	0.256	Sericitic alteration	2%	
17.90	19.00	1.10	784957	0.172	Sericitic alteration	2%	
19.00	20.00	1.00	784958	0.079	Sericitic alteration	1%	
20.00	21.00	1.00	784959	0.531	Sericitic alteration	1%	
21.00	22.00	1.00	784961	0.242	Sericitic alteration	1%	
22.00	23.00	1.00	784962	0.145	Sericitic alteration	1%	
23.00	24.00	1.00	784963	0.162	Sericitic alteration	2%	
24.00	25.00	1.00	784964	0.098	Sericitic alteration	5%	
25.00	26.00	1.00	784965	0.025	Sericitic alteration	5%	
26.00	27.00	1.00	784966	0.162	Sericitic alteration	7%	
27.00	28.00	1.00	784967	0.153	Sericitic alteration	7%	
28.00	29.00	1.00	784968	0.132	Sericitic alteration	3%	
29.00	30.00	1.00	784969	0.141	Sericitic alteration	1%	
30.00	31.00	1.00	784971	0.061	Sericitic alteration	1%	
31.00	32.00	1.00	784973	1.357	Sericitic alteration	1%	
32.00	32.80	0.80	784974	0.036	Sericitic alteration	1%	
32.80	33.60	0.80	784975	0.098	Sericitic alteration	1%	
33.60	34.60	1.00	784976	0.027	Sericitic alteration	1%	
34.60	35.60	1.00	784977	0.005	Sericitic alteration	2%	
35.60	36.20	0.60	784978	0.037	Sericitic alteration	5%	
36.20	37.20	1.00	784979	0.237	Sericitic alteration	5%	
37.20	38.00	0.80	784980	0.542	Sericitic alteration	0%	
38.00	39.00	1.00	784981	0.718	Sericitic alteration	4%	
39.00	40.00	1.00	784982	0.115	Sericitic alteration	3%	
40.00	40.90	0.90	784983	0.219	Sericitic alteration	4%	
40.90	41.60	0.70	784985	0.224	Sericitic alteration	1%	



41.60	42.30	0.70	784986	0.828	Sericitic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>42.30</b>	<b>67.20</b>		<b>Diabase</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
42.30	43.30	1.00	784987	0.008	Unaltered	0%	Chill margin- Diabase dyke, fine- to med-grained
43.30	67.20	23.90			Unaltered	0%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>67.20</b>	<b>67.60</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
67.20	67.60	0.40			Sericitic alteration	0%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>67.60</b>	<b>74.20</b>		<b>Diabase</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
67.60	72.00	4.40			Unaltered	0%	
72.00	73.00	1.00	784988	0.005	Unaltered	0%	
73.00	74.20	1.20	784989	0.009	Unaltered	0%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>74.20</b>	<b>76.00</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
74.20	75.00	0.80	784991	0.145	Sericitic alteration	1%	Tonalite - less altered and mineralized than before the dyke. Small diabase dyklets intruding the sample
75.00	76.00	1.00	784992	0.012	Sericitic alteration	1%	EOH

# DRILL HOLE REPORT

Drill Hole **GOS20-46** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 330.0  
 Dip -60.0  
 Length 432.0 m  
 Started 08-Aug-20  
 Completed 20-Aug-20  
 Logged 28-Aug-20  
 Logged by Justin Bisailon

Company  
 Contractor Chenier Drilling  
 Position  
 Bore Size BQTK  
 Sample Storage Marathon  
 Casing STEEL  
 Condition Cemented

Survey Details:

Claim Number MLO-10658  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Multi-shot Survey  
 Coord Survey Tool SURV

Coordinates:

Target  
 Comments laurent G from 95m

Easting 431148.00  
 UTM Datum NAD83 Northing 5267656.00  
 UTM Zone 17 Elevation 380.69

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
12.0	329.21	-65.23	55298	MS	Good	48.0	328.16	-65.16	54939	MS	Good
15.0	328.79	-65.28	55164	MS	Good	51.0	328.45	-65.21	54997	MS	Good
24.0	328.06	-65.16	55120	MS	Good	54.0	328.30	-65.17	55001	MS	Good
27.0	327.82	-65.14	54805	MS	Good	57.0	328.25	-65.21	54974	MS	Good
30.0	328.74	-65.14	54983	MS	Good	60.0	328.36	-65.27	54925	MS	Good
33.0	328.43	-65.25	54962	MS	Good	63.0	328.60	-65.17	54692	MS	Good
36.0	328.19	-65.22	55045	MS	Good	66.0	328.48	-65.15	54986	MS	Good
39.0	328.52	-65.14	55054	MS	Good	72.0	328.31	-65.13	54986	MS	Good
42.0	328.19	-65.21	55064	MS	Good	75.0	328.32	-65.11	55157	MS	Good
45.0	328.37	-65.19	54912	MS	Good	78.0	328.59	-65.09	54987	MS	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
81.0	328.49	-65.01	54985	MS	Good
84.0	327.90	-65.02	55035	MS	Good
87.0	329.35	-64.95	55127	MS	Good
90.0	328.53	-65.02	54984	MS	Good
93.0	328.45	-65.00	54997	MS	Good
96.0	328.43	-64.94	54928	MS	Good
99.0	328.25	-64.91	54956	MS	Good
105.0	327.64	-64.82	55082	MS	Good
108.0	327.95	-64.79	54948	MS	Good
111.0	327.66	-64.81	54876	MS	Good
114.0	327.78	-64.78	54972	MS	Good
117.0	327.95	-64.77	55095	MS	Good
120.0	327.72	-64.72	54901	MS	Good
123.0	327.67	-64.75	54894	MS	Good
126.0	327.52	-64.75	54908	MS	Good
129.0	327.17	-64.72	54819	MS	Good
132.0	327.75	-64.69	54637	MS	Good
135.0	327.93	-64.75	54865	MS	Good
138.0	328.50	-64.69	54689	MS	Good
141.0	328.03	-64.72	54794	MS	Good
144.0	328.27	-64.70	54978	MS	Good
147.0	328.67	-64.65	54928	MS	Good
150.0	328.19	-64.69	54958	MS	Good
153.0	327.81	-64.74	54953	MS	Good
159.0	327.54	-64.74	54713	MS	Good
162.0	327.43	-64.74	54596	MS	Good
165.0	327.59	-64.78	54577	MS	Good
171.0	328.85	-64.72	54770	MS	Good
174.0	328.58	-64.70	54645	MS	Good
177.0	328.18	-64.70	54818	MS	Good
180.0	327.83	-64.73	54834	MS	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
183.0	327.64	-64.74	54770	MS	Good
186.0	327.99	-64.72	54908	MS	Good
189.0	327.94	-64.73	54883	MS	Good
192.0	328.03	-64.74	54884	MS	Good
195.0	328.01	-64.72	54885	MS	Good
198.0	328.08	-64.74	54926	MS	Good
201.0	328.24	-64.68	54872	MS	Good
204.0	328.12	-64.72	54905	MS	Good
207.0	328.05	-64.71	54822	MS	Good
210.0	328.14	-64.67	54894	MS	Good
213.0	327.99	-64.72	54875	MS	Good
216.0	328.04	-64.65	54870	MS	Good
219.0	328.07	-64.63	54853	MS	Good
222.0	327.92	-64.63	54806	MS	Good
225.0	328.03	-64.59	54822	MS	Good
228.0	328.12	-64.60	54880	MS	Good
231.0	327.77	-64.55	54906	MS	Good
234.0	328.08	-64.54	54879	MS	Good
237.0	327.88	-64.53	54885	MS	Good
240.0	327.95	-64.50	54841	MS	Good
243.0	327.99	-64.50	54811	MS	Good
246.0	328.03	-64.48	54705	MS	Good
249.0	328.27	-64.44	54817	MS	Good
252.0	328.23	-64.45	54832	MS	Good
255.0	328.14	-64.54	54849	MS	Good
258.0	328.18	-64.37	54862	MS	Good
261.0	328.26	-64.35	54904	MS	Good
264.0	328.14	-64.33	54900	MS	Good
267.0	327.42	-64.29	54849	MS	Good
270.0	327.83	-64.27	55020	MS	Good
273.0	327.85	-64.25	54990	MS	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
279.0	328.03	-64.25	54774	MS	Good
282.0	325.70	-64.22	54566	MS	Good
285.0	328.70	-64.20	54940	MS	Good
288.0	328.65	-64.21	54617	MS	Good
291.0	328.44	-64.20	54698	MS	Good
294.0	327.54	-64.21	55128	MS	Good
297.0	327.89	-64.20	54876	MS	Good
303.0	327.64	-64.13	55023	MS	Good
306.0	328.04	-64.05	55001	MS	Good
309.0	328.12	-64.00	54923	MS	Good
312.0	328.05	-64.02	54884	MS	Good
315.0	327.79	-64.02	54940	MS	Good
318.0	327.81	-63.95	54810	MS	Good
321.0	327.85	-63.97	55036	MS	Good
327.0	328.89	-63.91	54761	MS	Good
342.0	327.76	-63.89	54457	MS	Good
345.0	326.92	-63.85	54682	MS	Good
348.0	327.76	-63.79	55091	MS	Good
351.0	328.06	-63.83	55299	MS	Good
360.0	328.27	-63.84	55222	MS	Good
366.0	326.50	-63.96	54709	MS	Good
369.0	328.07	-63.88	55283	MS	Good
372.0	327.18	-63.90	54845	MS	Good
378.0	328.92	-63.81	55062	MS	Good
384.0	328.08	-63.76	54847	MS	Good
387.0	328.06	-63.86	54849	MS	Good
390.0	328.24	-63.79	54897	MS	Good
393.0	328.21	-63.82	54868	MS	Good
396.0	328.39	-63.82	54767	MS	Good
402.0	328.39	-63.80	54888	MS	Good
405.0	328.07	-63.84	54795	MS	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
408.0	328.14	-63.79	54776	MS	Good
411.0	328.23	-63.74	54769	MS	Good
414.0	328.33	-63.71	54772	MS	Good
417.0	328.51	-63.65	54747	MS	Good
420.0	328.38	-63.67	54763	MS	Good
423.0	328.97	-63.65	54883	MS	Good
432.0	328.62	-63.66	54815	MS	Good

From	To	Lithologic Group					
0.00	14.36	Overburden					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	14.36	14.36			Unaltered	0%	
From	To	Lithologic Group					
14.36	18.83	Diorite Breccia					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
14.36	14.90	0.54	255501	0.005	Chloritic alteration	0%	Medium grained, dark greenish grey, massive,
14.90	16.00	1.10	255502	0.310	Chloritic alteration	1%	30% greenish grey, medium grained matrix, 70% massive, light grey, medium grained ton and medium grained, greenish grey, massive dr frags
16.00	17.00	1.00	255503	0.156	Chloritic alteration	1%	35% matrix, 65% ton frags
17.00	18.00	1.00	255504	0.211	Chloritic alteration	1%	80% matrix, 20% ton frags
18.00	18.83	0.83	255505	0.009	Chloritic alteration	1%	90% matrix, 10% ton frags
From	To	Lithologic Group					
18.83	27.64	Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
18.83	20.05	1.22	255506	0.033	Sericitic alteration	3%	Medium grained, light grey, massive
20.05	21.00	0.95	255507	0.017	Sericitic alteration	2%	
21.00	22.00	1.00	255508	0.021	Silicified	2%	
22.00	23.00	1.00	255509	0.009	Silicified	4%	
23.00	23.71	0.71	255511	0.028	Silicified	1%	
23.71	25.00	1.29	255513	0.155	Silicified	3%	veins have strong Si and SR alt halo
25.00	26.00	1.00	255514	0.174	Silicified	4%	
26.00	27.00	1.00	255515	0.121	Silicified	2%	
27.00	27.64	0.64	255516	0.069	Silicified	3%	
From	To	Lithologic Group					
27.64	30.50	Diorite Breccia					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
27.64	28.25	0.61	255517	0.410	Biotitic alteration	4%	Medium grained, massive, dark grey matrix, 10% light grey, massive, medium grained tonalite frags and 92% matrix
28.25	28.92	0.67	255518	0.024	Chloritic alteration	3%	
28.92	30.00	1.08	255519	0.272	Chloritic alteration	1%	Plagioclase phenocryst in matrix/diorite
30.00	30.50	0.50	255520	0.021	Silicified	1%	matrix 25%, Frags 75%,

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>30.50</b>	<b>31.00</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
30.50	31.00	0.50	255521	0.172	Chloritic alteration	6%	Medium grained, massive, dark greenish grey, some plagioclase phenocrysts
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>31.00</b>	<b>32.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
31.00	32.00	1.00	255522	0.078	Silicified	3%	35% matrix
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>32.00</b>	<b>34.59</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
32.00	33.00	1.00	255523	0.065	Silicified	3%	medium grained, massive, light grey
33.00	34.00	1.00	255525	0.036	Silicified	5%	
34.00	34.59	0.59	255526	0.046	Silicified	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>34.59</b>	<b>36.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
34.59	36.00	1.41	255527	0.056	Chloritic alteration	3%	VG at 35.64m, 10% medium grained, light grey massive tonalite frags, 90% massive, dark greenish grey, medium grained matrix,
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>36.00</b>	<b>40.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
36.00	37.00	1.00	255529	0.033	Sericitic alteration	3%	medium grained, light grey, foliated
37.00	38.00	1.00	255531	0.185	Sericitic alteration	2%	
38.00	38.59	0.59	255532	0.231	Sericitic alteration	4%	
38.59	40.00	1.41	255533	0.678	Sericitic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>40.00</b>	<b>42.00</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
40.00	41.00	1.00	255534	0.105	Chloritic alteration	1%	Fine grained, dark greenish grey, massive
41.00	42.00	1.00	255535	0.009	Chloritic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>42.00</b>	<b>43.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

42.00	43.00	1.00	255537	0.098	Chloritic alteration	2%	8% frags, 92% matrix, subangular frags, medium grained, light grey and dark greenish grey,
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>43.00</b>	<b>44.60</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
43.00	44.03	1.03	255538	0.610	Chloritic alteration	3%	medium grained, dark greenish grey, massive
44.03	44.60	0.57	255539	0.050	Chloritic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>44.60</b>	<b>47.25</b>		<b>Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
44.60	45.09	0.49	255540	0.010	Silicified	2%	85% tonalite frags light grey, medium grained, 15% matrix, fine grained, dark greenish grey.
45.09	46.00	0.91	255541	0.026	Chloritic alteration	2%	70% matrix, 30% Ton frags
46.00	47.25	1.25	255542	0.063	Chloritic alteration	2%	75% matrix and 25% ton frags
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>47.25</b>	<b>49.00</b>		<b>Tonalite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
47.25	48.00	0.75	255543	0.009	Chloritic alteration	0%	60% matrix and 40% dr frags
48.00	49.00	1.00	255544	0.006	Chloritic alteration	0%	60% matrix and 40% dr frags
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>49.00</b>	<b>50.00</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
49.00	50.00	1.00	255545	0.027	Chloritic alteration	0%	dark greenish grey, medium grained, massive
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>50.00</b>	<b>55.00</b>		<b>Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
50.00	50.75	0.75	255546	2.433	Biotitic alteration	0%	85% matrix and 15% tonalite frags
50.75	51.42	0.67	255547	0.726	Silicified	0%	90% tonalite frags and 10% matrix
51.42	52.00	0.58	255549	0.973	Sericitic alteration	0%	65% matrix and 35% tonalite frags
52.00	53.00	1.00	255551	10.400	Chloritic alteration	1%	VG at 52.58m, 60%matrix and 40% tonalite frags
53.00	54.00	1.00	255553	4.370	Chloritic alteration	1%	50% matrix and 50% tonalite frags
54.00	55.00	1.00	255554	8.770	Chloritic alteration	1%	85% matrix and 15% tonalite frags
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>55.00</b>	<b>56.00</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

55.00	56.00	1.00	255555	1.416	Chloritic alteration	2%	All matrix
<b>From</b> <b>56.00</b>	<b>To</b> <b>59.00</b>		<b>Lithologic Group</b> <b>Tonalite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
56.00	57.00	1.00	255556	0.237	Silicified	0%	75% matrix and 25% Dr frags
57.00	58.00	1.00	255557	0.013	Silicified	1%	90% matrix and 10% Dr frags
58.00	59.00	1.00	255558	0.075	Silicified	1%	95% matrix and 10% Dr frags
<b>From</b> <b>59.00</b>	<b>To</b> <b>70.00</b>		<b>Lithologic Group</b> <b>Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
59.00	60.00	1.00	255559	0.043	Silicified	4%	80% Tonalite frag and 20% Dr matrix
60.00	60.70	0.70	255561	0.057	Chloritic alteration	1%	60% matrix and 40% frags
60.70	62.00	1.30	255562	0.573	Chloritic alteration	3%	95% tonalite frags and 5% Dr matrix
62.00	63.00	1.00	255563	0.030	Silicified	2%	95% Tonalite matrix and 5% Dr frags
63.00	64.00	1.00	255564	0.034	Silicified	1%	95%Tonalite matrix and 5% tonalite and Dr frags
64.00	65.00	1.00	255565	0.056	Silicified	1%	95% tonalite matrix and 5% Dr frags
65.00	66.00	1.00	255566	0.075	Sericitic alteration	3%	10% Dr matrix and 90% tonalite Frags
66.00	67.00	1.00	255567	0.006	Silicified	3%	30% Dr matrix and 70% tonalite frags
67.00	68.00	1.00	255568	0.033	Sericitic alteration	3%	40% Dr matrix and 60% tonalite frags
68.00	69.04	1.04	255569	0.034	Sericitic alteration	2%	30 Dr matrix and 70% tonalite frags
69.04	70.00	0.96	255571	0.048	Silicified	1%	15% Dr matrix and 85% tonalite frags
<b>From</b> <b>70.00</b>	<b>To</b> <b>71.00</b>		<b>Lithologic Group</b> <b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
70.00	71.00	1.00	255573	0.044	Chloritic alteration	1%	30% Dr matrix and 70% tonalite and Dr frags
<b>From</b> <b>71.00</b>	<b>To</b> <b>72.23</b>		<b>Lithologic Group</b> <b>Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
71.00	72.23	1.23	255574	0.036	Silicified	2%	25% Dr matrix, 75% tonalite frags
<b>From</b> <b>72.23</b>	<b>To</b> <b>74.39</b>		<b>Lithologic Group</b> <b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
72.23	73.00	0.77	255575	0.005	Chloritic alteration	2%	100% Dr matrix
73.00	74.39	1.39	255576	0.021	Chloritic alteration	2%	100% Dr matrix



<b>From</b> 74.39	<b>To</b> 79.79	<b>Lithologic Group</b> Diorite Breccia					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
74.39	75.00	0.61	255577	0.046	Chloritic alteration	1%	35% Tonalite frags and 65% Dr matrix
75.00	76.00	1.00	255578	0.041	Silicified	1%	80% tonalite frags and 20 % Dr matrix
76.00	77.00	1.00	255579	0.073	Silicified	2%	85% tonalite frags and 15% Dr matrix
77.00	78.00	1.00	255580	0.104	Silicified	3%	20% Dr matrix and 80% tonalite frags
78.00	79.00	1.00	255581	3.710	Chloritic alteration	3%	40% Dr matrix and 60% Ton frags
79.00	79.79	0.79	255582	0.085	Silicified	5%	30% Dr matrix and 70% tonalite frags
<b>From</b> 79.79	<b>To</b> 80.60	<b>Lithologic Group</b> Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
79.79	80.60	0.81	255583	0.222	Sericitic alteration	2%	2cm wide Ton II dykelet
<b>From</b> 80.60	<b>To</b> 85.08	<b>Lithologic Group</b> Diorite Breccia					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
80.60	81.55	0.95	255585	0.141	Silicified	3%	10% Dr matrix and 90% ton frags
81.55	82.50	0.95	255586	0.142	Chloritic alteration	2%	50% Dr matrix and 50% ton frags
82.50	83.06	0.56	255587	0.055	Chloritic alteration	6%	75% Dr Matrix and 25% Ton frags
83.06	84.00	0.94	255588	0.168	Chloritic alteration	6%	15% Dr matrix and 85% Tonalite frag
84.00	85.08	1.08	255589	0.033	Silicified	2%	5% Dr matrix and 95% tonalite frags
<b>From</b> 85.08	<b>To</b> 85.79	<b>Lithologic Group</b> Diorite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
85.08	85.79	0.71	255591	0.015	Chloritic alteration	1%	Medium grained, massive dark greensihb grey.
<b>From</b> 85.79	<b>To</b> 94.12	<b>Lithologic Group</b> Diorite Breccia					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
85.79	87.00	1.21	255592	0.445	Sericitic alteration	2%	85% Tonalite frags and 15% Dr matrix
87.00	88.29	1.29	255593	0.005	Sericitic alteration	6%	95% tonalite frags and 5% Dr matrix
88.29	89.00	0.71	255594	0.102	Sericitic alteration	4%	95% tonalite frags and 5% Dr matrix

89.00	90.12	1.12	255595	0.072	Sericitic alteration	2%	60% tonalite frags and 40% Dr matrix
90.12	91.00	0.88	255597	0.173	Sericitic alteration	2%	95% tonalite frags and 5% Dr matrix
91.00	92.00	1.00	255598	0.027	Sericitic alteration	1%	75% ton and Dr Frags and 25% Dr matrix
92.00	93.00	1.00	255599	0.020	Sericitic alteration	1%	75% ton and Dr frags and 25% Dr matrix
93.00	94.12	1.12	255600	0.115	Sericitic alteration	1%	40% ton and dr frags and 60% Dr matrix

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>94.12</b>	<b>96.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
94.12	95.00	0.88	255601	0.044	Sericitic alteration	2%	Medium grained, massive medium grey
95.00	96.00	1.00	255602	0.074	Sericitic alteration	1%	Justin End

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>96.00</b>	<b>101.00</b>	<b>Diorite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
96.00	97.00	1.00	255603	0.038	Silicified	2%	x Laurent 5%mtx
97.00	98.00	1.00	255604	0.046	Silicified	2%	x 5% mtx
98.00	99.00	1.00	255605	0.040	Silicified	1%	x 10% mtx
99.00	100.00	1.00	255606	0.090	Silicified	1%	x 10% mtx
100.00	101.00	1.00	255607	0.065	Sericitic alteration	1%	x 5% mtx

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>101.00</b>	<b>125.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
101.00	102.00	1.00	255608	0.117	Sericitic alteration	2%	x <5% mtx
102.00	102.91	0.91	255609	0.039	Sericitic alteration	2%	x <5% mtx
102.91	104.00	1.09	255611	0.044	Sericitic alteration	15%	x
104.00	105.00	1.00	255613	0.109	Sericitic alteration	2%	x
105.00	106.00	1.00	255614	0.442	Silicified	4%	x
106.00	107.00	1.00	255615	0.087	Silicified	4%	x
107.00	108.00	1.00	255616	0.037	Silicified	5%	x
108.00	109.00	1.00	255617	0.189	Silicified	5%	x <5% mtx
109.00	110.00	1.00	255618	0.099	Silicified	5%	x
110.00	111.00	1.00	255619	0.228	Silicified	1%	x
111.00	112.00	1.00	255620	0.089	Silicified	2%	x
112.00	113.00	1.00	255621	0.303	Sericitic alteration	2%	x
113.00	114.00	1.00	255622	1.370	Silicified	2%	x
114.00	115.00	1.00	255623	0.010	Silicified	2%	x
115.00	116.00	1.00	255625	0.204	Silicified	5%	x
116.00	117.00	1.00	255626	0.066	Silicified	3%	x <5% mtx
117.00	118.00	1.00	255627	0.150	Silicified	4%	x <5% mtx

118.00	119.00	1.00	255628	0.145	Silicified	5%	x
119.00	120.00	1.00	255629	0.057	Silicified	4%	x
120.00	121.00	1.00	255631	0.053	Sericitic alteration	3%	x
121.00	122.00	1.00	255632	0.033	Sericitic alteration	2%	x
122.00	123.00	1.00	255633	0.028	Sericitic alteration	4%	x
123.00	124.00	1.00	255634	0.117	Sericitic alteration	4%	x
124.00	125.00	1.00	255635	2.698	Sericitic alteration	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>125.00</b>	<b>129.80</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
125.00	126.00	1.00	255637	0.041	Silicified	5%	x 5% mtx
126.00	127.00	1.00	255638	0.058	Silicified	4%	x 5% mtx
127.00	128.00	1.00	255639	0.038	Sericitic alteration	4%	x 5% mtx
128.00	129.00	1.00	255640	0.015	Sericitic alteration	5%	x 20% mtx
129.00	129.80	0.80	255641	0.104	Sericitic alteration	2%	x 10% mtx
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>129.80</b>	<b>130.70</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
129.80	130.70	0.90	255642	0.033	Biotitic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>130.70</b>	<b>133.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
130.70	132.00	1.30	255643	0.033	Silicified	3%	x
132.00	133.00	1.00	255644	0.026	Silicified	5%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>133.00</b>	<b>133.75</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
133.00	133.75	0.75	255645	1.143	Sericitic alteration	8%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>133.75</b>	<b>135.70</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
133.75	134.50	0.75	255646	0.005	Silicified	3%	x
134.50	135.70	1.20	255647	0.025	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>135.70</b>	<b>140.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
135.70	137.00	1.30	255649	0.158	Sericitic alteration	2%	x
137.00	138.00	1.00	255651	0.774	Sericitic alteration	20%	x
138.00	139.00	1.00	255652	0.475	Sericitic alteration	10%	x
139.00	140.00	1.00	255653	0.154	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>140.00</b>	<b>148.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
140.00	141.00	1.00	255654	0.095	Silicified	10%	x DR mtx (~5%) and few ton 2 small dyke (~5%)
141.00	142.00	1.00	255655	0.140	Sericitic alteration	5%	x ser halo around vns DR mtx (~5%) and few ton 2 small dyke (~5%)
142.00	143.00	1.00	255656	0.188	Sericitic alteration	2%	x ser halo around vns DR mtx (~5%) and few ton 2 small dyke (~3%)
143.00	144.00	1.00	255657	0.074	Sericitic alteration	5%	x DR mtx (~25%)
144.00	145.00	1.00	255658	0.228	Sericitic alteration	4%	x DR mtx (~25%)
145.00	146.00	1.00	255659	0.061	Sericitic alteration	2%	x DR mtx (~5%)
146.00	147.00	1.00	255661	0.217	Sericitic alteration	2%	x DR mtx (~5%)
147.00	148.00	1.00	255662	0.070	Sericitic alteration	4%	x DR mtx (~15%)
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>148.00</b>	<b>149.90</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
148.00	149.00	1.00	255663	0.043	Sericitic alteration	2%	x
149.00	149.90	0.90	255664	0.047	Sericitic alteration	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>149.90</b>	<b>150.60</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
149.90	150.60	0.70	255665	0.051	Silicified	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>150.60</b>	<b>177.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
150.60	152.00	1.40	255666	0.078	Silicified	6%	x
152.00	153.00	1.00	255667	0.060	Silicified	2%	x
153.00	154.00	1.00	255668	0.071	Silicified	4%	x
154.00	155.00	1.00	255669	0.071	Silicified	3%	x
155.00	156.00	1.00	255671	0.191	Silicified	2%	x small breccia section ?
156.00	157.00	1.00	255673	0.042	Sericitic alteration	5%	x small breccia section ? + small maf dyke (~10cm)
157.00	158.00	1.00	255674	0.067	Sericitic alteration	4%	x
158.00	159.00	1.00	255675	0.077	Silicified	2%	x small 25cm dr dyke
159.00	160.00	1.00	255676	0.193	Sericitic alteration	3%	x
160.00	161.00	1.00	255677	0.092	Sericitic alteration	3%	x
161.00	162.00	1.00	255678	0.076	Sericitic alteration	6%	x
162.00	163.00	1.00	255679	0.034	Silicified	3%	x
163.00	164.00	1.00	255680	2.212	Silicified	2%	x ~5% dr mtx
164.00	165.00	1.00	255681	0.042	Silicified	3%	x
165.00	166.00	1.00	255682	0.137	Sericitic alteration	4%	x

166.00	167.00	1.00	255683	0.077	Silicified	5%	x ~5% dr mtx
167.00	168.00	1.00	255685	0.080	Silicified	7%	x small 10cm dr dyke
168.00	169.00	1.00	255686	0.056	Silicified	3%	x small 10cm dr dyke
169.00	170.00	1.00	255687	24.200	Sericitic alteration	8%	x
170.00	171.00	1.00	255689	0.169	Sericitic alteration	4%	x
171.00	172.00	1.00	255691	0.123	Sericitic alteration	3%	x
172.00	173.00	1.00	255692	0.824	Sericitic alteration	6%	x
173.00	174.00	1.00	255693	0.085	Sericitic alteration	3%	x
174.00	175.00	1.00	255694	0.134	Sericitic alteration	3%	x
175.00	176.00	1.00	255695	0.252	Sericitic alteration	3%	x
176.00	177.00	1.00	255697	0.111	Sericitic alteration	4%	x small 10 cm ton 2 dyke

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>177.00</b>	<b>178.00</b>	<b>Tonalite 2 Breccia</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
177.00	178.00	1.00	255698	0.039	Silicified	8%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>178.00</b>	<b>179.00</b>	<b>Tonalite</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
178.00	179.00	1.00	255699	0.338	Silicified	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>179.00</b>	<b>184.00</b>	<b>Tonalite 2</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
179.00	180.00	1.00	255700	0.568	Silicified	3%	x ton 2 ?
180.00	181.00	1.00	255701	0.810	Silicified	5%	x ton 2 ?
181.00	182.00	1.00	255702	0.121	Silicified	5%	x ton 2 ?
182.00	183.00	1.00	255703	0.509	Silicified	2%	x ton 2 ?
183.00	184.00	1.00	255704	0.159	Silicified	2%	x ton 2 ?

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>184.00</b>	<b>187.00</b>	<b>Tonalite 2 Breccia</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
184.00	185.00	1.00	255705	0.050	Silicified	6%	x ton 2 ?
185.00	186.00	1.00	255706	1.069	Silicified	15%	x ton 2 ?
186.00	187.00	1.00	255707	0.683	Silicified	5%	x ton 2 ? Flt zone

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>187.00</b>	<b>195.00</b>	<b>Tonalite 2</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
187.00	188.00	1.00	255708	0.284	Silicified	5%	x ton 2
188.00	189.00	1.00	255709	0.037	Silicified	4%	x ton 2
189.00	190.00	1.00	255711	0.043	Silicified	8%	x ton 2
190.00	191.00	1.00	255713	0.043	Silicified	3%	x ton 2
191.00	192.00	1.00	255714	0.012	Silicified	4%	x ton 2
192.00	193.00	1.00	255715	0.052	Silicified	3%	x

193.00	194.00	1.00	255716	0.126	Silicified	3%	x
194.00	195.00	1.00	255717	0.021	Silicified	2%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>195.00</b>	<b>199.00</b>		<b>Tonalite 2 Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
195.00	196.00	1.00	255718	0.018	Silicified	1%	x 70% ton 2 ?
196.00	197.00	1.00	255719	0.308	Silicified	2%	x 40% ton 2 ?
197.00	198.00	1.00	255720	0.024	Silicified	4%	x 60% ton 2 ?
198.00	199.00	1.00	255721	0.072	Silicified	14%	x 85% ton 2 ?
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>199.00</b>	<b>204.00</b>		<b>Tonalite 2</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
199.00	200.00	1.00	255722	0.461	Silicified	10%	x ton 2 ?
200.00	201.00	1.00	255723	0.056	Silicified	40%	x ton 2 ?
201.00	202.00	1.00	255725	0.067	Silicified	60%	x ton 2 ?
202.00	203.00	1.00	255726	0.020	Silicified	3%	x ton 2 ?
203.00	204.00	1.00	255727	0.199	Sericitic alteration	5%	x ton 2 ?
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>204.00</b>	<b>206.00</b>		<b>Tonalite 2 Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
204.00	205.00	1.00	255728	0.330	Silicified	8%	x 80% ton 2 ?
205.00	206.00	1.00	255729	1.075	Silicified	6%	x 80% ton 2 ?
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>206.00</b>	<b>222.20</b>		<b>Tonalite 2</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
206.00	207.00	1.00	255731	0.028	Silicified	3%	x ton 2 ?
207.00	208.00	1.00	255732	0.069	Silicified	5%	x ton 2 ?
208.00	209.00	1.00	255733	0.297	Silicified	18%	x ton 2 ?
209.00	210.00	1.00	255734	0.049	Silicified	2%	x ton 2 ?
210.00	211.00	1.00	255735	0.012	Silicified	4%	x ton 2 ?
211.00	212.00	1.00	255737	0.048	Silicified	3%	x ton 2 ?
212.00	213.00	1.00	255738	0.017	Silicified	3%	x ton 2 ?
213.00	214.00	1.00	255739	0.006	Silicified	2%	x ton 2 ?
214.00	215.00	1.00	255740	0.029	Silicified	2%	x ton 2 ?
215.00	216.00	1.00	255741	0.080	Silicified	5%	x ton 2 ?
216.00	217.00	1.00	255742	0.067	Silicified	3%	x ton 2 ?
217.00	218.00	1.00	255743	0.100	Silicified	4%	x ton 2 ?
218.00	219.00	1.00	255744	0.043	Silicified	5%	x ton 2 ?
219.00	220.00	1.00	255745	0.142	Silicified	3%	x ton 2 ?
220.00	221.00	1.00	255746	0.162	Silicified	3%	x ton 2 ?
221.00	222.20	1.20	255747	0.036	Silicified	4%	x ton 2 ?

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>222.20</b>	<b>223.70</b>	<b>Diabase</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
222.20	223.70	1.50	255749	0.005	Unaltered	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>223.70</b>	<b>233.80</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
223.70	225.00	1.30	255751	0.015	Silicified	4%	x ton 2 ?
225.00	226.00	1.00	255752	0.018	Silicified	4%	x ton 2 ?
226.00	227.00	1.00	255753	0.015	Silicified	4%	x ton 2 ?
227.00	228.00	1.00	255754	0.011	Silicified	2%	x ton 2 ?
228.00	229.00	1.00	255755	0.021	Silicified	2%	x ton 2 ?
229.00	230.00	1.00	255756	0.052	Silicified	2%	x ton 2 ?
230.00	231.00	1.00	255757	0.149	Silicified	2%	x ton 2 ?
231.00	232.00	1.00	255758	0.131	Silicified	2%	x ton 2 ?
232.00	233.00	1.00	255759	0.116	Silicified	3%	x ton 2 ?
233.00	233.80	0.80	255761	0.132	Silicified	3%	x ton 2 ?
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>233.80</b>	<b>236.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
233.80	235.00	1.20	255762	0.116	Sericitic alteration	5%	x 10% ton 2 ?
235.00	236.00	1.00	255763	0.106	Silicified	3%	x 60% ton 2 ?
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>236.00</b>	<b>237.70</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
236.00	237.00	1.00	255764	0.240	Silicified	2%	x ton 2 ?
237.00	237.70	0.70	255765	0.227	Silicified	3%	x ton 2 ?
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>237.70</b>	<b>239.70</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
237.70	239.00	1.30	255766	0.582	Sericitic alteration	4%	x
239.00	239.70	0.70	255767	0.039	Sericitic alteration	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>239.70</b>	<b>241.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
239.70	241.00	1.30	255768	0.227	Silicified	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>241.00</b>	<b>253.00</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
241.00	242.00	1.00	255769	0.059	Silicified	2%	x ton 2 ?
242.00	243.00	1.00	255771	0.051	Silicified	3%	x ton 2 ?

243.00	244.00	1.00	255773	0.065	Silicified	4%	x ton 2 ?
244.00	245.00	1.00	255774	0.066	Silicified	4%	x ton 2 ?
245.00	246.00	1.00	255775	0.030	Silicified	3%	x ton 2 ?
246.00	247.00	1.00	255776	0.240	Silicified	3%	x ton 2 ?
247.00	248.00	1.00	255777	0.204	Silicified	3%	x ton 2 ?
248.00	249.00	1.00	255778	0.041	Silicified	3%	x ton 2 ?
249.00	250.00	1.00	255779	0.040	Silicified	4%	x ton 2 ?
250.00	251.00	1.00	255780	0.041	Silicified	2%	x ton 2 ?
251.00	252.00	1.00	255781	0.180	Silicified	4%	x ton 2 ?
252.00	253.00	1.00	255782	0.044	Silicified	3%	x ton 2 ?

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>253.00</b>	<b>254.00</b>	<b>Tonalite 2 Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
253.00	254.00	1.00	255783	0.033	Silicified	4%	x 60% ton 2 ?

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>254.00</b>	<b>269.20</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
254.00	255.00	1.00	255785	1.452	Sericitic alteration	6%	x
255.00	256.00	1.00	255786	0.041	Sericitic alteration	4%	x
256.00	257.00	1.00	255787	0.029	Sericitic alteration	6%	x
257.00	258.00	1.00	255788	0.355	Sericitic alteration	4%	x
258.00	259.00	1.00	255789	0.160	Sericitic alteration	3%	x
259.00	260.00	1.00	255791	0.070	Sericitic alteration	3%	x
260.00	261.00	1.00	255792	0.151	Sericitic alteration	2%	x
261.00	262.00	1.00	255793	0.072	Sericitic alteration	2%	x
262.00	263.00	1.00	255794	0.038	Sericitic alteration	2%	x
263.00	264.00	1.00	255795	0.021	Sericitic alteration	2%	x
264.00	265.00	1.00	255797	0.027	Sericitic alteration	3%	x
265.00	266.00	1.00	255798	0.111	Sericitic alteration	4%	x
266.00	267.00	1.00	255799	0.114	Sericitic alteration	4%	x
267.00	268.00	1.00	255800	0.446	Sericitic alteration	7%	x
268.00	269.20	1.20	255801	0.199	Sericitic alteration	6%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>269.20</b>	<b>272.65</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
269.20	270.00	0.80	255802	0.007	Unaltered	15%	x
270.00	271.00	1.00	255803	0.011	Unaltered	15%	x
271.00	272.00	1.00	255804	0.007	Unaltered	15%	x
272.00	272.65	0.65	255805	0.011	Unaltered	15%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>272.65</b>	<b>292.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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272.65	274.00	1.35	255806	0.126	Silicified	2%	x
274.00	275.00	1.00	255807	0.079	Silicified	4%	x
275.00	276.00	1.00	255808	0.060	Sericitic alteration	4%	x
276.00	277.00	1.00	255809	0.116	Silicified	3%	x
277.00	278.00	1.00	255811	0.154	Silicified	2%	x
278.00	279.00	1.00	255813	0.181	Silicified	2%	x
279.00	280.00	1.00	255814	0.280	Silicified	4%	x
280.00	281.00	1.00	255815	0.175	Silicified	3%	x
281.00	282.00	1.00	255816	0.196	Sericitic alteration	4%	x
282.00	283.00	1.00	255817	0.829	Sericitic alteration	4%	x
283.00	284.00	1.00	255818	0.182	Sericitic alteration	6%	x
284.00	285.00	1.00	255819	0.087	Sericitic alteration	4%	x
285.00	286.00	1.00	255820	0.204	Sericitic alteration	4%	x
286.00	287.00	1.00	255821	0.124	Sericitic alteration	5%	x
287.00	288.00	1.00	255822	0.076	Sericitic alteration	4%	x
288.00	289.00	1.00	255823	0.354	Sericitic alteration	5%	x
289.00	290.00	1.00	255825	0.126	Sericitic alteration	4%	x
290.00	291.00	1.00	255826	0.074	Sericitic alteration	7%	x
291.00	292.00	1.00	255827	0.019	Silicified	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>292.00</b>	<b>293.00</b>	<b>Tonalite 2 Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
292.00	293.00	1.00	255828	0.120	Silicified	5%	x 15% ton 2

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>293.00</b>	<b>300.10</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
293.00	294.00	1.00	255829	0.273	Silicified	3%	x 15% ton 2
294.00	295.00	1.00	255831	0.113	Sericitic alteration	2%	x
295.00	296.00	1.00	255832	0.077	Silicified	2%	x
296.00	297.00	1.00	255833	0.249	Silicified	2%	x
297.00	298.00	1.00	255834	0.197	Silicified	5%	x
298.00	299.00	1.00	255835	0.288	Sericitic alteration	3%	x
299.00	300.10	1.10	255837	0.116	Sericitic alteration	6%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>300.10</b>	<b>300.90</b>	<b>Tonalite 2 Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
300.10	300.90	0.80	255838	0.292	Silicified	4%	x 10% ton 2

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>300.90</b>	<b>312.40</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
300.90	302.00	1.10	255839	0.045	Silicified	4%	x
302.00	303.00	1.00	255840	0.043	Silicified	3%	x

303.00	304.00	1.00	255841	0.076	Silicified	3%	x
304.00	305.00	1.00	255842	0.086	Silicified	8%	x
305.00	306.00	1.00	255843	0.092	Silicified	4%	x
306.00	307.00	1.00	255844	0.099	Silicified	3%	x
307.00	308.00	1.00	255845	0.207	Silicified	4%	x
308.00	309.00	1.00	255846	0.076	Silicified	6%	x
309.00	310.00	1.00	255847	0.113	Silicified	5%	x
310.00	311.00	1.00	255849	0.089	Silicified	4%	x
311.00	312.40	1.40	255851	0.143	Silicified	6%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>312.40</b>	<b>313.20</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
312.40	313.20	0.80	255852	0.180	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>313.20</b>	<b>317.10</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
313.20	314.00	0.80	255853	0.245	Silicified	2%	x
314.00	315.00	1.00	255854	0.194	Silicified	2%	x
315.00	316.00	1.00	255855	0.287	Silicified	4%	x
316.00	317.10	1.10	255856	0.050	Silicified	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>317.10</b>	<b>324.00</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
317.10	318.00	0.90	255857	0.043	Silicified	2%	x ~5% ton 2
318.00	319.00	1.00	255858	0.207	Silicified	5%	x ~5% ton 2
319.00	320.00	1.00	255859	1.147	Silicified	5%	x
320.00	321.00	1.00	255861	0.151	Silicified	5%	x
321.00	322.00	1.00	255862	0.147	Silicified	3%	x
322.00	323.00	1.00	255863	0.427	Silicified	4%	x
323.00	324.00	1.00	255864	1.065	Silicified	20%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>324.00</b>	<b>326.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
324.00	325.00	1.00	255865	0.730	Silicified	4%	x
325.00	326.00	1.00	255866	0.597	Silicified	4%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>326.00</b>	<b>327.00</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
326.00	327.00	1.00	255867	0.062	Silicified	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>327.00</b>	<b>329.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
327.00	328.00	1.00	255868	0.318	Silicified	3%	x
328.00	329.00	1.00	255869	0.249	Silicified	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>329.00</b>	<b>331.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
329.00	330.00	1.00	255871	0.057	Silicified	2%	x
330.00	331.00	1.00	255873	2.223	Silicified	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>331.00</b>	<b>338.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
331.00	332.00	1.00	255874	1.592	Silicified	3%	x
332.00	333.00	1.00	255875	0.957	Silicified	4%	x ~5% ton 2 (very alt ton)
333.00	334.00	1.00	255876	0.691	Silicified	2%	x
334.00	335.00	1.00	255877	0.375	Silicified	2%	x
335.00	336.00	1.00	255878	0.144	Silicified	4%	x
336.00	337.00	1.00	255879	0.213	Silicified	4%	x
337.00	338.00	1.00	255880	0.160	Silicified	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>338.00</b>	<b>341.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
338.00	339.00	1.00	255881	0.157	Silicified	4%	x
339.00	340.00	1.00	255882	1.274	Silicified	3%	x
340.00	341.00	1.00	255883	0.413	Silicified	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>341.00</b>	<b>343.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
341.00	342.00	1.00	255885	0.804	Silicified	4%	x
342.00	343.00	1.00	255886	3.520	Sericitic alteration	15%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>343.00</b>	<b>344.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
343.00	344.00	1.00	255887	1.553	Silicified	4%	x ~5% ton 2 (very alt ton)
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>344.00</b>	<b>347.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
344.00	345.00	1.00	255888	0.515	Silicified	4%	x
345.00	346.00	1.00	255889	0.410	Silicified	3%	x
346.00	347.00	1.00	255891	1.289	Silicified	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>347.00</b>	<b>352.80</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
347.00	348.00	1.00	255892	0.180	Sericitic alteration	2%	x
348.00	349.00	1.00	255893	0.558	Sericitic alteration	2%	x
349.00	350.00	1.00	255894	0.453	Silicified	4%	x
350.00	351.00	1.00	255895	0.160	Sericitic alteration	3%	x
351.00	352.00	1.00	255897	0.987	Sericitic alteration	3%	x
352.00	352.80	0.80	255898	0.473	Sericitic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>352.80</b>	<b>353.60</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
352.80	353.60	0.80	255899	0.058	Silicified	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>353.60</b>	<b>355.40</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
353.60	354.50	0.90	255900	0.567	Chloritic alteration	2%	x
354.50	355.40	0.90	255901	0.605	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>355.40</b>	<b>356.30</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
355.40	356.30	0.90	255902	0.050	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>356.30</b>	<b>356.90</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
356.30	356.90	0.60	255903	0.020	Unaltered	5%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>356.90</b>	<b>357.90</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
356.90	357.90	1.00	255904	0.205	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>357.90</b>	<b>366.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
357.90	358.90	1.00	255905	0.291	Silicified	4%	x 70% DYKE
358.90	360.00	1.10	255906	0.547	Sericitic alteration	3%	x
360.00	361.00	1.00	255907	3.570	Sericitic alteration	4%	x
361.00	362.00	1.00	255908	4.290	Sericitic alteration	4%	x
362.00	363.00	1.00	255909	0.477	Silicified	3%	x
363.00	364.00	1.00	255911	0.245	Silicified	4%	x
364.00	365.00	1.00	255913	0.345	Silicified	2%	x
365.00	366.00	1.00	255914	0.929	Silicified	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>366.00</b>	<b>367.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
366.00	367.00	1.00	255915	0.338	Silicified	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>367.00</b>	<b>381.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
367.00	368.00	1.00	255916	9.200	Silicified	5%	x
368.00	369.00	1.00	255917	0.075	Silicified	3%	x
369.00	370.00	1.00	255918	0.235	Silicified	4%	x
370.00	371.00	1.00	255919	0.458	Silicified	4%	x
371.00	372.00	1.00	255920	0.433	Silicified	4%	x
372.00	373.00	1.00	255921	0.043	Silicified	4%	x
373.00	374.00	1.00	255922	0.787	Silicified	4%	x
374.00	375.00	1.00	255923	0.460	Silicified	3%	x
375.00	376.00	1.00	255925	2.320	Silicified	5%	x
376.00	377.00	1.00	255926	0.409	Silicified	4%	x
377.00	378.00	1.00	255927	0.385	Silicified	4%	x
378.00	379.00	1.00	255928	0.272	Silicified	3%	x
379.00	380.00	1.00	255929	0.486	Sericitic alteration	3%	x
380.00	381.00	1.00	255931	1.464	Silicified	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>381.00</b>	<b>382.30</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
381.00	382.30	1.30	255932	0.015	Unaltered	0%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>382.30</b>	<b>388.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
382.30	383.00	0.70	255933	0.175	Chloritic alteration	4%	x QDR?
383.00	384.00	1.00	255934	0.042	Chloritic alteration	4%	x QDR?
384.00	385.00	1.00	255935	0.466	Chloritic alteration	2%	x QDR?
385.00	386.00	1.00	255937	0.286	Chloritic alteration	2%	x QDR?
386.00	387.00	1.00	255938	0.269	Silicified	2%	x
387.00	388.00	1.00	255939	0.591	Silicified	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>388.00</b>	<b>389.00</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
388.00	389.00	1.00	255940	0.664	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>389.00</b>	<b>396.40</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

389.00	390.00	1.00	255941	0.179	Silicified	3%	x
390.00	391.00	1.00	255942	0.320	Sericitic alteration	2%	x ton 2 ?
391.00	392.00	1.00	255943	0.356	Sericitic alteration	2%	x ton 2 ?
392.00	393.00	1.00	255944	0.203	Sericitic alteration	2%	x ton 2 ?
393.00	394.00	1.00	255945	0.139	Sericitic alteration	2%	x ton 2 ? + small dyke
394.00	395.00	1.00	255946	0.139	Sericitic alteration	2%	x ton 2 ? + small dyke
395.00	396.40	1.40	255947	0.336	Sericitic alteration	2%	x ton 2 ?

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>396.40</b>	<b>398.60</b>	<b>Mafic Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
396.40	397.50	1.10	255949	0.009	Unaltered	0%	x
397.50	398.60	1.10	255951	0.005	Unaltered	0%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>398.60</b>	<b>400.80</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
398.60	400.00	1.40	255952	0.140	Sericitic alteration	3%	x small dyke
400.00	400.80	0.80	255953	0.253	Silicified	3%	x ton 2 ?

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>400.80</b>	<b>401.50</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
400.80	401.50	0.70	255954	0.029	Unaltered	0%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>401.50</b>	<b>425.10</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
401.50	403.00	1.50	255955	0.316	Silicified	2%	x ton 2 ? Up to end of hole ?
403.00	404.00	1.00	255956	0.297	Sericitic alteration	2%	x
404.00	405.00	1.00	255957	0.423	Sericitic alteration	2%	x
405.00	406.00	1.00	255958	0.322	Sericitic alteration	2%	x
406.00	407.00	1.00	255959	0.064	Silicified	10%	x
407.00	408.00	1.00	255961	0.146	Silicified	6%	x
408.00	409.00	1.00	255962	0.138	Silicified	4%	x
409.00	410.00	1.00	255963	0.292	Silicified	4%	x
410.00	411.00	1.00	255964	0.495	Sericitic alteration	3%	x
411.00	412.00	1.00	255965	0.687	Silicified	4%	x
412.00	413.00	1.00	255966	0.394	Sericitic alteration	3%	x
413.00	414.00	1.00	255967	0.412	Sericitic alteration	2%	x
414.00	415.00	1.00	255968	0.694	Silicified	4%	x
415.00	416.00	1.00	255969	0.548	Sericitic alteration	4%	x
416.00	417.00	1.00	255971	0.686	Sericitic alteration	2%	x
417.00	418.00	1.00	255973	0.342	Sericitic alteration	4%	x
418.00	419.00	1.00	255974	0.631	Silicified	3%	x
419.00	420.00	1.00	255975	0.545	Silicified	2%	x

420.00	421.00	1.00	255976	0.218	Silicified	2%	x
421.00	422.00	1.00	255977	0.338	Silicified	2%	x
422.00	423.00	1.00	255978	0.453	Sericitic alteration	6%	x
423.00	424.00	1.00	255979	0.155	Sericitic alteration	3%	x
424.00	425.10	1.10	255980	0.464	Sericitic alteration	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>425.10</b>	<b>426.80</b>	<b>Diabase</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
425.10	426.00	0.90	255981	0.025	Unaltered	0%	x
426.00	426.80	0.80	255982	0.009	Unaltered	0%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>426.80</b>	<b>432.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
426.80	428.00	1.20	255983	0.172	Silicified	2%	x hdbx ?
428.00	429.00	1.00	255985	0.305	Silicified	3%	x hdbx ?
429.00	430.00	1.00	255986	0.239	Silicified	4%	x hdbx ?
430.00	431.00	1.00	255987	0.404	Silicified	3%	x hdbx ?
431.00	432.00	1.00	255988	0.346	Silicified	2%	x hdbx ?

# DRILL HOLE REPORT

Drill Hole **GOS20-47** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 340.0  
 Dip -60.0  
 Length 438.3 m  
 Started 20-Aug-20  
 Completed 27-Aug-20  
 Logged 31-Aug-20  
 Logged by Caitlin Beland

Company  
 Contractor Chenier Drilling  
 Position  
 Bore Size BQTK  
 Sample Storage  
 Casing STEEL  
 Condition Cemented

Survey Details:

Claim Number MLO-10658  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool SURV

Coordinates:

Target Easting 431273.00  
 Comments UTM Datum NAD83 Northing 5267656.00  
 UTM Zone 17 Elevation 380.58

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
15.0	338.52	-60.73				48.0	337.86	-60.80			
18.0	339.08	-60.35				50.0	338.54	-60.72			
21.0	338.51	-60.75				51.0	338.21	-60.73			
27.0	338.64	-60.77				54.0	338.29	-60.74			
30.0	338.60	-60.74				57.0	338.16	-60.66			
33.0	338.30	-60.75				60.0	338.56	-60.64			
36.0	338.31	-60.75				63.0	338.64	-60.64			
39.0	338.51	-60.74				66.0	337.99	-60.61			
42.0	338.24	-60.77				69.0	338.40	-60.66			
45.0	338.64	-60.78				72.0	338.55	-60.72			



Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
75.0	338.69	-60.73			
78.0	338.55	-61.14			
81.0	338.78	-60.72			
84.0	338.43	-60.73			
87.0	338.55	-60.71			
90.0	338.60	-60.75			
93.0	338.74	-60.72			
96.0	338.61	-60.75			
99.0	338.70	-60.74			
102.0	338.88	-60.69			
105.0	338.88	-60.69			
108.0	338.89	-60.65			
111.0	338.79	-60.66			
114.0	338.52	-60.61			
117.0	338.49	-60.58			
120.0	338.60	-60.59			
123.0	340.46	-60.62			
126.0	338.34	-60.88			
129.0	339.89	-60.58			
132.0	339.35	-60.58			
135.0	339.09	-60.56			
138.0	339.01	-60.55			
141.0	339.00	-60.56			
144.0	338.97	-60.57			
147.0	339.54	-60.52			
150.0	338.94	-60.55			
153.0	339.09	-60.48			
156.0	339.11	-60.45			
159.0	339.04	-60.47			
162.0	338.82	-60.50			
165.0	338.96	-60.42			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
168.0	338.56	-60.47			
171.0	338.56	-60.51			
174.0	338.50	-60.53			
177.0	338.55	-60.55			
180.0	339.05	-60.53			
183.0	338.87	-60.50			
186.0	338.70	-60.50			
189.0	338.56	-60.48			
195.0	338.56	-60.46			
198.0	338.24	-60.44			
201.0	338.50	-60.41			
204.0	338.11	-60.40			
207.0	338.26	-60.39			
210.0	338.05	-60.41			
213.0	338.15	-60.41			
216.0	338.07	-60.36			
219.0	338.00	-60.36			
222.0	338.12	-60.32			
225.0	338.20	-60.39			
228.0	338.28	-60.40			
231.0	338.50	-60.36			
234.0	338.28	-60.34			
237.0	338.26	-60.43			
240.0	339.25	-60.35			
243.0	338.57	-60.32			
246.0	337.73	-60.39			
249.0	338.10	-60.42			
252.0	338.52	-60.34			
255.0	338.48	-60.31			
258.0	338.68	-60.31			
261.0	338.75	-60.32			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
264.0	338.91	-60.32			
267.0	338.61	-60.32			
270.0	338.61	-60.28			
273.0	339.29	-60.24			
276.0	340.62	-60.29			
279.0	339.08	-60.16			
282.0	338.80	-60.20			
285.0	338.89	-60.14			
288.0	338.55	-60.11			
291.0	338.22	-59.99			
294.0	338.56	-59.98			
297.0	338.77	-59.96			
300.0	338.89	-59.91			
303.0	339.02	-59.75			
306.0	338.76	-59.82			
309.0	339.84	-59.79			
312.0	340.69	-59.77			
315.0	339.11	-59.69			
321.0	338.84	-59.61			
324.0	339.13	-59.58			
327.0	339.10	-59.54			
330.0	338.88	-59.51			
333.0	339.12	-59.47			
336.0	339.25	-59.48			
339.0	339.54	-59.44			
342.0	339.49	-59.51			
345.0	339.51	-59.82			
348.0	340.38	-59.78			
351.0	339.13	-59.75			
354.0	339.04	-59.74			
357.0	339.24	-59.72			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
360.0	339.28	-59.72			
363.0	339.25	-59.73			
366.0	339.69	-59.66			
369.0	338.68	-59.61			
378.0	340.66	-59.47			
384.0	340.19	-59.46			
387.0	338.80	-59.39			
390.0	338.76	-59.37			
393.0	339.62	-59.37			
396.0	339.73	-59.34			
402.0	338.18	-59.28			
408.0	339.01	-59.25			
411.0	338.84	-59.18			
414.0	338.30	-59.16			
420.0	339.61	-59.09			
423.0	338.72	-59.12			
426.0	340.19	-59.09			

From	To	Lithologic Group					
0.00	20.35	Overburden					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	20.35	20.35			Unaltered		
From	To	Lithologic Group					
20.35	21.76	Diorite Breccia					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
20.35	21.00	0.65	255001	0.097	Chloritic alteration	1%	
21.00	21.76	0.76	255002	0.291	Silicified	2%	
From	To	Lithologic Group					
21.76	24.57	Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
21.76	23.00	1.24	255003	0.088	Sericitic alteration	3%	
23.00	24.00	1.00	255004	0.679	Sericitic alteration	3%	
24.00	24.57	0.57	255005	0.241	Sericitic alteration	5%	
From	To	Lithologic Group					
24.57	34.00	Diorite Breccia					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
24.57	25.35	0.78	255006	0.059	Chloritic alteration	0%	
25.35	26.00	0.65	255007	2.058	Chloritic alteration	1%	
26.00	27.00	1.00	255008	0.515	Biotitic alteration	1%	
27.00	28.00	1.00	255009	0.173	Chloritic alteration	1%	
28.00	29.00	1.00	255011	0.143	Chloritic alteration	1%	
29.00	30.00	1.00	255013	0.409	Biotitic alteration	2%	
30.00	31.00	1.00	255014	0.179	Silicified	2%	
31.00	32.00	1.00	255015	0.295	Silicified	1%	
32.00	33.00	1.00	255016	0.369	Chloritic alteration	1%	
33.00	34.00	1.00	255017	0.616	Chloritic alteration	1%	
From	To	Lithologic Group					
34.00	35.00	Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
34.00	35.00	1.00	255018	0.208	Sericitic alteration	2%	
From	To	Lithologic Group					
35.00	38.00	Diorite Breccia					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
35.00	36.00	1.00	255019	0.087	Chloritic alteration	1%	
36.00	37.00	1.00	255020	1.035	Silicified	1%	
37.00	38.00	1.00	255021	0.800	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>38.00</b>	<b>39.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
38.00	39.00	1.00	255022	0.240	Silicified	5%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>39.00</b>	<b>41.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
39.00	40.00	1.00	255023	0.555	Biotitic alteration	1%	
40.00	41.00	1.00	255025	0.292	Chloritic alteration	11%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>41.00</b>	<b>43.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
41.00	42.00	1.00	255026	1.410	Silicified	3%	
42.00	43.00	1.00	255027	0.324	Silicified	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>43.00</b>	<b>45.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
43.00	44.00	1.00	255028	0.403	Biotitic alteration	1%	
44.00	45.00	1.00	255029	0.418	Silicified	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>45.00</b>	<b>47.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
45.00	46.00	1.00	255031	0.167	Silicified	1%	
46.00	47.00	1.00	255032	0.492	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>47.00</b>	<b>53.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
47.00	48.00	1.00	255033	4.200	Silicified	5%	
48.00	49.00	1.00	255035	0.896	Silicified	1%	
49.00	50.00	1.00	255037	1.416	Sericitic alteration	5%	
50.00	51.00	1.00	255038	0.183	Silicified	10%	
51.00	52.00	1.00	255039	0.426	Silicified	12%	
52.00	53.00	1.00	255040	0.735	Silicified	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>53.00</b>	<b>56.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
53.00	54.00	1.00	255041	0.170	Silicified	1%	
54.00	55.00	1.00	255042	0.312	Silicified	4%	
55.00	56.00	1.00	255043	1.370	Sericitic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>56.00</b>	<b>64.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
56.00	57.00	1.00	255044	1.778	Sericitic alteration	1%	
57.00	58.00	1.00	255045	0.615	Sericitic alteration	1%	
58.00	59.00	1.00	255046	0.510	Sericitic alteration	1%	
59.00	60.00	1.00	255047	0.914	Sericitic alteration	2%	
60.00	61.00	1.00	255049	0.455	Silicified	1%	
61.00	62.00	1.00	255051	0.220	Silicified	1%	
62.00	63.00	1.00	255052	0.310	Sericitic alteration	1%	
63.00	64.00	1.00	255053	0.597	Sericitic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>64.00</b>	<b>65.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
64.00	65.00	1.00	255054	0.401	Silicified	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>65.00</b>	<b>67.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
65.00	66.00	1.00	255055	0.585	Silicified	2%	
66.00	67.00	1.00	255056	0.411	Silicified	9%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>67.00</b>	<b>68.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
67.00	68.00	1.00	255057	0.218	Silicified	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>68.00</b>	<b>78.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
68.00	69.00	1.00	255058	0.243	Silicified	2%	
69.00	70.00	1.00	255059	0.184	Silicified	3%	
70.00	71.00	1.00	255061	0.278	Silicified	1%	
71.00	72.00	1.00	255062	0.832	Biotitic alteration	1%	
72.00	73.00	1.00	255063	0.915	Silicified	2%	
73.00	74.00	1.00	255064	0.969	Sericitic alteration	2%	
74.00	75.00	1.00	255065	0.834	Silicified	1%	
75.00	76.00	1.00	255066	0.918	Silicified	1%	
76.00	77.00	1.00	255067	0.319	Chloritic alteration	3%	
77.00	78.00	1.00	255068	1.115	Chloritic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>78.00</b>	<b>80.76</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
78.00	79.00	1.00	255069	0.012	Chloritic alteration	10%	

79.00	80.00	1.00	255071	0.013	Chloritic alteration	15%
80.00	80.76	0.76	255073	0.341	Chloritic alteration	10%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>80.76</b>	<b>82.88</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
80.76	82.00	1.24	255074	0.964	Sericitic alteration	10%	
82.00	82.88	0.88	255075	0.263	Sericitic alteration	15%	30 cm mafic dyke

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>82.88</b>	<b>84.51</b>	<b>Lamprophyre Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
82.88	84.00	1.12	255076	0.010	Biotitic alteration	15%	
84.00	84.51	0.51	255077	0.013	Biotitic alteration	10%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>84.51</b>	<b>117.33</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
84.51	86.00	1.49	255078	0.399	Silicified	3%	
86.00	87.00	1.00	255079	0.358	Silicified	3%	
87.00	88.00	1.00	255080	0.611	Silicified	2%	
88.00	89.00	1.00	255081	0.649	Silicified	1%	
89.00	90.00	1.00	255082	0.612	Silicified	2%	
90.00	91.00	1.00	255083	0.772	Silicified	3%	
91.00	92.00	1.00	255085	0.233	Silicified	3%	
92.00	93.00	1.00	255086	0.356	Silicified	2%	
93.00	94.00	1.00	255087	0.591	Silicified	5%	
94.00	95.00	1.00	255088	0.093	Silicified	1%	
95.00	96.00	1.00	255089	0.096	Silicified	1%	
96.00	97.00	1.00	255091	0.005	Silicified	5%	
97.00	98.00	1.00	255092	0.113	Silicified	3%	
98.00	99.00	1.00	255093	0.100	Silicified	2%	
99.00	100.00	1.00	255094	0.158	Silicified	3%	
100.00	101.00	1.00	255095	0.598	Silicified	2%	
101.00	102.00	1.00	255097	0.364	Silicified	3%	
102.00	103.00	1.00	255098	0.890	Sericitic alteration	5%	
103.00	104.00	1.00	255099	1.470	Sericitic alteration	3%	
104.00	105.00	1.00	255100	0.276	Sericitic alteration	5%	
105.00	106.00	1.00	255101	0.323	Sericitic alteration	9%	
106.00	107.00	1.00	255102	0.351	Sericitic alteration	4%	
107.00	108.00	1.00	255103	0.134	Sericitic alteration	4%	
108.00	109.00	1.00	255104	0.893	Sericitic alteration	1%	
109.00	110.00	1.00	255105	0.170	Silicified	2%	
110.00	111.00	1.00	255106	0.188	Silicified	1%	
111.00	112.00	1.00	255107	0.598	Silicified	4%	

112.00	113.00	1.00	255108	0.514	Silicified	1%	
113.00	114.00	1.00	255109	0.280	Silicified	3%	
114.00	115.00	1.00	255111	0.567	Silicified	2%	
115.00	116.04	1.04	255113	0.213	Silicified	2%	
116.04	117.33	1.29	255114	0.100	Silicified	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>117.33</b>	<b>118.00</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
117.33	118.00	0.67	255115	0.057	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>118.00</b>	<b>119.00</b>	<b>Tonalite 2 Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
118.00	119.00	1.00	255116	0.114	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>119.00</b>	<b>124.00</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
119.00	120.00	1.00	255117	0.064	Silicified	3%	
120.00	121.00	1.00	255118	0.016	Silicified	2%	
121.00	122.00	1.00	255119	0.866	Silicified	10%	
122.00	123.00	1.00	255120	0.036	Silicified	1%	
123.00	124.00	1.00	255121	0.015	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>124.00</b>	<b>124.81</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
124.00	124.81	0.81	255122	0.265	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>124.81</b>	<b>125.88</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
124.81	125.88	1.07	255123	0.036	Silicified	4%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>125.88</b>	<b>127.00</b>	<b>Diorite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
125.88	127.00	1.12	255125	0.207	Silicified	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>127.00</b>	<b>128.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
127.00	128.00	1.00	255126	0.227	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>128.00</b>	<b>129.00</b>	<b>Diorite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
128.00	129.00	1.00	255127	0.717	Silicified	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>129.00</b>	<b>131.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
129.00	130.00	1.00	255128	0.242	Silicified	3%	
130.00	131.00	1.00	255129	0.089	Silicified	9%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>131.00</b>	<b>148.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
131.00	132.00	1.00	255131	0.140	Silicified	3%	
132.00	133.00	1.00	255132	0.998	Chloritic alteration	3%	
133.00	134.00	1.00	255133	0.584	Chloritic alteration	7%	
134.00	135.00	1.00	255134	1.915	Chloritic alteration	4%	
135.00	136.00	1.00	255135	2.399	Chloritic alteration	3%	
136.00	137.00	1.00	255137	4.060	Chloritic alteration	2%	
137.00	138.00	1.00	255138	0.483	Biotitic alteration	1%	
138.00	139.00	1.00	255139	0.059	Biotitic alteration	1%	
139.00	140.00	1.00	255140	0.148	Silicified	5%	
140.00	141.00	1.00	255141	0.851	Silicified	2%	
141.00	142.00	1.00	255142	0.181	Silicified	3%	
142.00	143.00	1.00	255143	0.411	Silicified	5%	
143.00	144.00	1.00	255144	0.069	Silicified	8%	
144.00	145.00	1.00	255145	1.308	Biotitic alteration	4%	
145.00	146.00	1.00	255146	0.067	Silicified	2%	
146.00	147.00	1.00	255147	0.068	Biotitic alteration	1%	
147.00	148.00	1.00	255149	0.032	Biotitic alteration	10%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>148.00</b>	<b>149.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
148.00	149.00	1.00	255151	0.039	Silicified	10%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>149.00</b>	<b>162.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
149.00	150.00	1.00	255152	1.055	Biotitic alteration	1%	
150.00	151.00	1.00	255153	0.244	Biotitic alteration	2%	
151.00	152.11	1.11	255154	0.047	Biotitic alteration	1%	
152.11	153.00	0.89	255155	0.535	Chloritic alteration	1%	
153.00	154.00	1.00	255156	0.082	Chloritic alteration	2%	
154.00	155.00	1.00	255157	0.307	Chloritic alteration	2%	
155.00	156.00	1.00	255158	0.492	Biotitic alteration	3%	
156.00	157.00	1.00	255159	0.152	Biotitic alteration	1%	
157.00	158.00	1.00	255161	0.094	Biotitic alteration	1%	
158.00	159.00	1.00	255162	0.035	Biotitic alteration	1%	



159.00	160.00	1.00	255163	0.134	Biotitic alteration	2%
160.00	161.00	1.00	255164	0.087	Silicified	2%
161.00	162.00	1.00	255165	0.278	Silicified	2%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>162.00</b>	<b>163.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
162.00	163.00	1.00	255166	0.105	Silicified	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>163.00</b>	<b>167.00</b>	<b>Diorite Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
163.00	164.00	1.00	255167	0.689	Silicified	3%	
164.00	165.00	1.00	255168	2.275	Silicified	1%	
165.00	166.00	1.00	255169	0.145	Silicified	2%	
166.00	167.00	1.00	255171	0.113	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>167.00</b>	<b>170.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
167.00	168.00	1.00	255173	0.289	Silicified	6%	
168.00	169.00	1.00	255174	0.032	Silicified	4%	
169.00	170.00	1.00	255175	0.030	Silicified	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>170.00</b>	<b>179.00</b>	<b>Diorite Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
170.00	171.00	1.00	255176	0.016	Silicified	1%	
171.00	172.00	1.00	255177	0.018	Chloritic alteration	1%	
172.00	173.00	1.00	255178	0.024	Chloritic alteration	5%	
173.00	174.00	1.00	255179	0.028	Silicified	3%	
174.00	175.00	1.00	255180	0.058	Silicified	1%	
175.00	176.00	1.00	255181	0.008	Silicified	1%	
176.00	177.00	1.00	255182	0.041	Silicified	1%	
177.00	178.00	1.00	255183	0.095	Silicified	1%	
178.00	179.00	1.00	255185	0.152	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>179.00</b>	<b>186.00</b>	<b>Tonalite 2 Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
179.00	180.00	1.00	255186	0.540	Silicified	2%	
180.00	181.00	1.00	255187	0.071	Silicified	1%	
181.00	182.00	1.00	255188	0.086	Silicified	2%	
182.00	183.00	1.00	255189	0.197	Silicified	1%	
183.00	184.00	1.00	255191	0.315	Silicified	5%	
184.00	185.00	1.00	255192	0.128	Silicified	3%	
185.00	186.00	1.00	255193	0.209	Silicified	6%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>186.00</b>	<b>193.16</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
186.00	187.00	1.00	255194	0.068	Silicified	6%	
187.00	188.00	1.00	255195	0.083	Silicified	3%	
188.00	189.00	1.00	255197	0.275	Silicified	2%	
189.00	190.00	1.00	255198	0.152	Silicified	4%	
190.00	191.00	1.00	255199	0.175	Silicified	2%	
191.00	192.00	1.00	255200	0.021	Silicified	2%	
192.00	193.16	1.16	255201	0.042	Silicified	4%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>193.16</b>	<b>195.79</b>	<b>Diabase</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
193.16	194.00	0.84	255202	0.005	Chloritic alteration		
194.00	195.00	1.00	255203	0.005	Chloritic alteration		
195.00	195.79	0.79	255204	0.262	Chloritic alteration		
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>195.79</b>	<b>226.00</b>	<b>Tonalite 2</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
195.79	197.00	1.21	255205	0.145	Silicified	4%	
197.00	198.00	1.00	255206	0.074	Silicified	1%	3 cm wide DIA vein
198.00	199.00	1.00	255207	0.132	Silicified	2%	
199.00	200.00	1.00	255208	0.061	Silicified	1%	26 cm wide DIA vein
200.00	201.00	1.00	255209	0.070	Silicified	1%	
201.00	202.00	1.00	255211	0.070	Silicified	1%	
202.00	203.00	1.00	255213	0.138	Silicified	2%	
203.00	204.00	1.00	255214	0.335	Silicified	3%	
204.00	205.00	1.00	255215	0.059	Silicified	13%	
205.00	206.00	1.00	255216	0.048	Silicified	4%	
206.00	207.00	1.00	255217	0.079	Silicified	2%	
207.00	208.00	1.00	255218	0.102	Silicified	3%	
208.00	209.00	1.00	255219	0.108	Silicified	3%	
209.00	210.00	1.00	255220	0.082	Silicified	1%	
210.00	211.00	1.00	255221	0.125	Silicified	5%	
211.00	212.00	1.00	255222	0.173	Silicified	3%	
212.00	213.00	1.00	255223	0.157	Silicified	2%	
213.00	214.00	1.00	255225	0.083	Silicified	3%	
214.00	215.00	1.00	255226	0.228	Silicified	5%	
215.00	216.00	1.00	255227	0.135	Silicified	6%	
216.00	217.00	1.00	255228	0.147	Silicified	9%	
217.00	218.05	1.05	255229	0.638	Silicified	9%	
218.05	219.00	0.95	255231	0.270	Silicified	4%	

219.00	220.00	1.00	255232	0.091	Silicified	7%
220.00	221.00	1.00	255233	0.039	Silicified	3%
221.00	222.00	1.00	255234	0.018	Silicified	2%
222.00	223.00	1.00	255235	0.009	Silicified	1%
223.00	224.00	1.00	255237	0.014	Silicified	3%
224.00	225.00	1.00	255238	0.026	Silicified	3%
225.00	226.00	1.00	255239	0.093	Silicified	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>226.00</b>	<b>227.00</b>	<b>Tonalite 2 Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
226.00	227.00	1.00	255240	0.036	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>227.00</b>	<b>228.37</b>	<b>Tonalite 2</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
227.00	228.37	1.37	255241	0.057	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>228.37</b>	<b>241.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
228.37	229.00	0.63	255242	0.048	Silicified	1%	
229.00	230.00	1.00	255243	0.030	Silicified	3%	
230.00	231.00	1.00	255244	0.021	Silicified	2%	
231.00	232.00	1.00	255245	0.044	Silicified	3%	
232.00	233.00	1.00	255246	0.024	Silicified	5%	
233.00	233.92	0.92	255247	0.010	Silicified	35%	
233.92	235.00	1.08	255249	0.575	Silicified	32%	
235.00	236.00	1.00	255251	0.023	Silicified	4%	
236.00	237.00	1.00	255252	0.029	Silicified	3%	
237.00	237.96	0.96	255253	0.056	Silicified	9%	
237.96	238.92	0.96	255254	0.160	Silicified	12%	
238.92	240.00	1.08	255255	0.080	Silicified	8%	
240.00	241.00	1.00	255256	0.040	Silicified	6%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>241.00</b>	<b>248.00</b>	<b>Hydrothermal Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
241.00	242.00	1.00	255257	0.377	Silicified	2%	relog of HdBx starts here
242.00	243.00	1.00	255258	0.251	Silicified	4%	
243.00	244.00	1.00	255259	1.365	Silicified	2%	
244.00	245.00	1.00	255261	4.910	Silicified	2%	
245.00	246.00	1.00	255262	0.702	Sericitic alteration	2%	
246.00	247.00	1.00	255263	0.525	Sericitic alteration	1%	
247.00	248.00	1.00	255264	0.102	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>248.00</b>	<b>255.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
248.00	249.00	1.00	255265	0.090	Sericitic alteration	3%	
249.00	250.00	1.00	255266	0.150	Silicified	4%	
250.00	251.00	1.00	255267	0.273	Sericitic alteration	4%	
251.00	252.00	1.00	255268	0.268	Silicified	9%	
252.00	253.00	1.00	255269	0.163	Silicified	3%	
253.00	254.00	1.00	255271	0.506	Silicified	3%	
254.00	255.00	1.00	255273	2.934	Silicified	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>255.00</b>	<b>256.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
255.00	256.00	1.00	255274	7.710	Silicified	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>256.00</b>	<b>264.26</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
256.00	257.00	1.00	255275	0.283	Silicified	4%	
257.00	258.00	1.00	255276	0.461	Silicified	3%	
258.00	259.00	1.00	255277	0.999	Silicified	5%	
259.00	260.00	1.00	255278	0.353	Silicified	2%	
260.00	261.00	1.00	255279	1.631	Silicified	4%	
261.00	262.00	1.00	255280	2.506	Sericitic alteration	6%	
262.00	263.00	1.00	255281	1.058	Sericitic alteration	3%	
263.00	264.26	1.26	255282	0.816	Sericitic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>264.26</b>	<b>266.52</b>	<b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
264.26	265.25	0.99	255283	0.748	Silicified	1%	
265.25	266.52	1.27	255285	0.997	Silicified	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>266.52</b>	<b>267.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
266.52	267.00	0.48	255286	0.374	Silicified	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>267.00</b>	<b>268.97</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
267.00	268.00	1.00	255287	1.238	Silicified	9%	
268.00	268.97	0.97	255288	0.609	Silicified	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>268.97</b>	<b>271.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
268.97	269.97	1.00	255289	0.210	Silicified	3%	
269.97	271.00	1.03	255291	1.087	Silicified	5%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>271.00</b>	<b>273.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
271.00	271.97	0.97	255292	2.032	Silicified	3%	
271.97	273.00	1.03	255293	2.257	Silicified	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>273.00</b>	<b>276.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
273.00	274.00	1.00	255294	1.301	Silicified	2%	
274.00	275.00	1.00	255295	0.647	Silicified	2%	
275.00	276.00	1.00	255297	0.362	Silicified	9%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>276.00</b>	<b>281.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
276.00	277.00	1.00	255298	1.357	Silicified	1%	
277.00	278.00	1.00	255299	7.550	Silicified	1%	
278.00	279.00	1.00	255300	0.366	Silicified	5%	
279.00	280.00	1.00	255301	6.870	Silicified	2%	
280.00	281.00	1.00	255302	1.513	Silicified	12%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>281.00</b>	<b>283.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
281.00	282.00	1.00	255303	0.950	Silicified	5%	
282.00	283.00	1.00	255304	0.645	Silicified	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>283.00</b>	<b>284.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
283.00	284.00	1.00	255305	2.386	Silicified	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>284.00</b>	<b>285.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
284.00	285.00	1.00	255306	9.520	Silicified	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>285.00</b>	<b>287.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
285.00	286.00	1.00	255307	6.780	Silicified	4%	

286.00	287.00	1.00	255308	3.490	Silicified	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>287.00</b>	<b>289.00</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
287.00	288.00	1.00	255309	1.016	Silicified	2%	
288.00	289.00	1.00	255311	0.553	Silicified	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>289.00</b>	<b>290.00</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
289.00	290.00	1.00	255313	8.900	Silicified	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>290.00</b>	<b>291.00</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
290.00	291.00	1.00	255314	0.366	Silicified	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>291.00</b>	<b>324.00</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
291.00	292.00	1.00	255315	1.497	Silicified	5%	
292.00	293.00	1.00	255316	0.632	Silicified	1%	
293.00	294.00	1.00	255317	1.442	Silicified	2%	
294.00	295.00	1.00	255318	0.955	Silicified	7%	
295.00	296.00	1.00	255319	0.175	Silicified	2%	
296.00	297.00	1.00	255320	0.053	Silicified	1%	
297.00	298.00	1.00	255321	0.736	Silicified	1%	fault zone; rubble
298.00	298.78	0.78	255322	0.595	Silicified	2%	fault zone; rubble
298.78	300.00	1.22	255323	0.958	Silicified	3%	fault zone; rubble
300.00	301.00	1.00	255325	1.255	Silicified	1%	fault zone; rubble
301.00	301.70	0.70	255326	4.300	Silicified	25%	fault zone; rubble
301.70	303.00	1.30	255327	41.300	Silicified	1%	
303.00	304.00	1.00	255328	7.640	Silicified	1%	
304.00	305.00	1.00	255329	0.930	Silicified	2%	
305.00	306.00	1.00	255331	0.212	Silicified	3%	
306.00	307.00	1.00	255332	0.204	Silicified	2%	
307.00	308.00	1.00	255333	0.192	Silicified	1%	
308.00	309.00	1.00	255334	0.285	Silicified	4%	
309.00	310.00	1.00	255335	1.572	Silicified	2%	
310.00	310.92	0.92	255337	1.542	Silicified	3%	
310.92	312.00	1.08	255338	1.728	Silicified	3%	
312.00	313.00	1.00	255339	1.355	Silicified	4%	
313.00	314.00	1.00	255340	2.577	Silicified	5%	
314.00	315.00	1.00	255341	1.995	Silicified	12%	
315.00	316.00	1.00	255342	0.299	Silicified	3%	

316.00	317.00	1.00	255343	1.938	Silicified	6%	
317.00	318.00	1.00	255344	1.111	Silicified	3%	
318.00	319.00	1.00	255345	1.192	Silicified	3%	
319.00	320.00	1.00	255346	0.594	Silicified	2%	
320.00	321.00	1.00	255347	1.109	Silicified	2%	
321.00	322.00	1.00	255349	0.504	Silicified	1%	
322.00	323.00	1.00	255351	0.468	Silicified	3%	
323.00	324.00	1.00	255352	2.885	Silicified	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>324.00</b>	<b>327.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
324.00	325.00	1.00	255353	0.101	Silicified	1%	
325.00	326.00	1.00	255354	0.057	Silicified	2%	
326.00	327.00	1.00	255355	0.188	Silicified	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>327.00</b>	<b>328.00</b>	<b>Hydrothermal Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
327.00	328.00	1.00	255356	0.439	Silicified	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>328.00</b>	<b>329.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
328.00	329.00	1.00	255357	0.201	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>329.00</b>	<b>355.00</b>	<b>Hydrothermal Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
329.00	330.00	1.00	255358	1.511	Silicified	4%	
330.00	331.03	1.03	255359	1.073	Silicified	6%	
331.03	332.00	0.97	255361	0.671	Silicified	2%	
332.00	333.00	1.00	255362	1.576	Silicified	2%	
333.00	334.00	1.00	255363	0.477	Silicified	3%	
334.00	335.00	1.00	255364	1.341	Silicified	8%	
335.00	336.00	1.00	255365	0.470	Silicified	2%	
336.00	337.00	1.00	255366	1.165	Silicified	4%	
337.00	338.00	1.00	255367	2.679	Silicified	8%	
338.00	339.00	1.00	255368	0.730	Silicified	4%	
339.00	339.65	0.65	255369	1.920	Silicified	6%	
339.65	340.37	0.72	255371	1.247	Silicified	70%	
340.37	341.00	0.63	255373	0.254	Silicified	15%	
341.00	342.14	1.14	255374	0.452	Silicified	45%	
342.14	343.00	0.86	255375	0.218	Silicified	20%	
343.00	344.00	1.00	255376	0.186	Silicified	3%	
344.00	345.00	1.00	255377	1.106	Silicified	1%	

345.00	346.00	1.00	255378	1.153	Silicified	5%
346.00	347.00	1.00	255379	0.247	Silicified	4%
347.00	348.00	1.00	255380	0.499	Silicified	3%
348.00	349.00	1.00	255381	0.803	Silicified	4%
349.00	350.00	1.00	255382	0.517	Silicified	2%
350.00	351.00	1.00	255383	1.603	Silicified	4%
351.00	352.00	1.00	255385	0.881	Silicified	2%
352.00	353.00	1.00	255386	3.850	Silicified	10%
353.00	354.00	1.00	255387	0.842	Silicified	2%
354.00	355.00	1.00	255388	4.130	Silicified	3%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>355.00</b>	<b>358.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
355.00	356.00	1.00	255389	0.242	Silicified	3%	
356.00	357.00	1.00	255391	0.195	Silicified	1%	
357.00	358.00	1.00	255392	0.392	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>358.00</b>	<b>436.25</b>	<b>Hydrothermal Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
358.00	359.00	1.00	255393	0.916	Silicified	3%	
359.00	360.00	1.00	255394	4.050	Silicified	2%	
360.00	361.00	1.00	255395	1.186	Silicified	6%	
361.00	362.00	1.00	255397	1.377	Silicified	4%	
362.00	363.00	1.00	255398	0.454	Silicified	5%	
363.00	364.00	1.00	255399	0.508	Silicified	5%	
364.00	365.00	1.00	255400	0.817	Silicified	3%	
365.00	366.00	1.00	255401	1.798	Silicified	2%	
366.00	367.00	1.00	255402	3.050	Silicified	4%	
367.00	368.00	1.00	255403	0.629	Silicified	1%	
368.00	368.93	0.93	255404	6.850	Silicified	12%	
368.93	370.00	1.07	255405	0.972	Silicified	23%	includes 42 cm of sheared mafic dyke? Or bt-chl altn halo on 20 cm thick VN01
370.00	371.00	1.00	255406	0.803	Silicified	4%	
371.00	372.00	1.00	255407	1.127	Silicified	6%	
372.00	373.00	1.00	255408	1.550	Silicified	2%	
373.00	373.97	0.97	255409	0.269	Silicified	2%	
373.97	375.00	1.03	255411	4.140	Silicified	3%	
375.00	376.00	1.00	255413	5.320	Silicified	6%	
376.00	377.00	1.00	255414	2.047	Silicified	4%	
377.00	378.00	1.00	255415	0.667	Silicified	1%	
378.00	378.96	0.96	255416	0.464	Silicified	1%	
378.96	380.00	1.04	255417	2.567	Silicified	9%	



380.00	381.00	1.00	255418	1.418	Silicified	3%
381.00	382.00	1.00	255419	0.108	Silicified	3%
382.00	383.00	1.00	255420	0.338	Silicified	5%
383.00	384.00	1.00	255421	1.066	Silicified	4%
384.00	385.00	1.00	255422	0.234	Silicified	2%
385.00	386.00	1.00	255423	0.653	Silicified	3%
386.00	387.00	1.00	255425	0.435	Silicified	3%
387.00	388.00	1.00	255426	0.075	Silicified	2%
388.00	389.00	1.00	255427	1.167	Silicified	2%
389.00	390.00	1.00	255428	0.560	Silicified	2%
390.00	391.00	1.00	255429	1.905	Silicified	4%
391.00	392.00	1.00	255431	0.803	Silicified	2%
392.00	393.00	1.00	255432	0.522	Silicified	5%
393.00	394.00	1.00	255433	1.724	Silicified	2%
394.00	395.02	1.02	255434	1.178	Silicified	3%
395.02	396.00	0.98	255435	1.064	Silicified	5%
396.00	396.95	0.95	255437	1.129	Silicified	1%
396.95	398.00	1.05	255438	1.072	Silicified	6%
398.00	399.00	1.00	255439	1.794	Silicified	3%
399.00	400.00	1.00	255440	0.291	Silicified	22%
400.00	401.00	1.00	255441	1.240	Silicified	3%
401.00	402.00	1.00	255442	0.771	Silicified	5%
402.00	403.00	1.00	255443	0.781	Silicified	1%
403.00	404.03	1.03	255444	1.713	Silicified	3%
404.03	405.00	0.97	255445	1.185	Silicified	7%
405.00	406.00	1.00	255446	1.331	Silicified	3%
406.00	407.00	1.00	255447	1.718	Silicified	4%
407.00	408.00	1.00	255449	2.960	Silicified	4%
408.00	409.00	1.00	255451	0.763	Silicified	2%
409.00	410.00	1.00	255452	0.319	Silicified	2%
410.00	411.00	1.00	255453	0.354	Silicified	4%
411.00	412.15	1.15	255454	1.150	Silicified	2%
412.15	413.00	0.85	255455	0.672	Silicified	2%
413.00	414.00	1.00	255456	0.993	Silicified	3%
414.00	415.00	1.00	255457	0.470	Silicified	2%
415.00	416.00	1.00	255458	3.000	Silicified	4%
416.00	417.00	1.00	255459	0.517	Silicified	1%
417.00	417.70	0.70	255461	0.365	Silicified	1%
417.70	419.00	1.30	255462	1.873	Silicified	1%
419.00	420.00	1.00	255463	1.346	Silicified	2%
420.00	421.00	1.00	255464	0.672	Silicified	2%
421.00	422.00	1.00	255465	0.378	Silicified	3%

422.00	423.00	1.00	255466	1.717	Silicified	2%	
423.00	424.00	1.00	255467	0.468	Biotitic alteration	3%	
424.00	425.00	1.00	255468	1.440	Silicified	3%	
425.00	426.00	1.00	255469	0.891	Silicified	3%	
426.00	427.00	1.00	255471	0.545	Silicified	3%	
427.00	428.00	1.00	255473	0.298	Silicified	3%	
428.00	429.00	1.00	255474	0.346	Silicified	3%	
429.00	430.00	1.00	255475	0.608	Sericitic alteration	1%	
430.00	431.00	1.00	255476	0.384	Silicified	1%	
431.00	432.00	1.00	255477	0.040	Sericitic alteration	1%	
432.00	433.00	1.00	255478	0.597	Sericitic alteration	3%	
433.00	434.00	1.00	255479	0.619	Sericitic alteration	2%	
434.00	435.00	1.00	255480	0.895	Sericitic alteration	3%	specks of VG from 434.80 to 434.87 m
435.00	436.25	1.25	255482	1.079	Sericitic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>436.25</b>	<b>437.60</b>	<b>Diabase</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
436.25	437.60	1.35	255483	0.028	Biotitic alteration		

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>437.60</b>	<b>438.30</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
437.60	438.30	0.70	255485	0.865	Sericitic alteration	2%	EOH

# DRILL HOLE REPORT

Drill Hole **GOS20-48** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 328.0  
 Dip -66.0  
 Length 421.3 m  
 Started 27-Aug-20  
 Completed 02-Sep-20  
 Logged 14-Sep-20  
 Logged by Justin Bisailon

Company  
 Contractor Chenier Drilling  
 Position  
 Bore Size BQTK  
 Sample Storage Klondike Lodge  
 Casing STEEL  
 Condition Cemented

Survey Details:

Claim Number MLO-10658  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool GPS

Coordinates:

Target Easting 431200.00  
 Comments UTM Datum NAD83 Northing 5267631.00  
 UTM Zone 17 Elevation 380.58

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
0.0	328.00	-66.00		C		31.0	328.89	-66.92	54764	RM	Good
0.0	328.00	-66.00		C		34.0	328.01	-67.65	54622	RM	Good
4.0	328.19	-66.76	55095	RM	Good	37.0	328.95	-66.99	54748	RM	Good
7.0	327.59	-66.79	54916	RM	Good	40.0	327.39	-67.00	54596	RM	Good
10.0	327.48	-66.78	54853	RM	Good	43.0	327.68	-66.95	54738	RM	Good
16.0	328.75	-66.92	54795	RM	Good	46.0	327.51	-66.87	54727	RM	Good
19.0	328.88	-66.88	54758	RM	Good	49.0	327.72	-66.68	54666	RM	Good
22.0	327.56	-66.98	54702	RM	Good	52.0	327.44	-66.89	54705	RM	Good
25.0	327.37	-66.93	54716	RM	Good	55.0	327.61	-66.85	54728	RM	Good
28.0	327.50	-66.83	54748	RM	Good	58.0	327.16	-67.28	54716	RM	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
61.0	327.74	-66.53	54590	RM	Good
64.0	327.57	-66.72	54543	RM	Good
70.0	327.64	-66.76	54713	RM	Good
73.0	327.87	-66.69	54685	RM	Good
76.0	327.55	-66.87	54671	RM	Good
79.0	328.41	-66.27	54710	RM	Good
82.0	327.56	-66.80	54712	RM	Good
85.0	327.37	-66.87	54660	RM	Good
88.0	327.24	-66.85	54650	RM	Good
91.0	327.32	-66.83	54693	RM	Good
94.0	327.23	-66.81	54712	RM	Good
97.0	327.13	-66.79	54722	RM	Good
100.0	327.25	-66.79	54726	RM	Good
103.0	327.50	-66.73	54703	RM	Good
106.0	326.92	-66.76	54591	RM	Good
112.0	326.71	-66.70	54510	RM	Good
115.0	327.32	-66.71	54454	RM	Good
121.0	327.52	-66.74	54714	RM	Good
124.0	327.56	-66.70	54774	RM	Good
127.0	324.39	-66.72	54532	RM	Good
130.0	327.32	-66.68	54757	RM	Good
133.0	327.30	-66.69	54668	RM	Good
136.0	327.29	-66.71	54646	RM	Good
139.0	327.38	-66.68	54621	RM	Good
142.0	327.36	-66.76	54631	RM	Good
145.0	327.41	-66.77	54621	RM	Good
148.0	327.43	-66.74	54631	RM	Good
151.0	327.51	-66.75	54607	RM	Good
154.0	327.50	-66.73	54564	RM	Good
157.0	327.41	-66.75	54598	RM	Good
160.0	327.42	-66.80	54676	RM	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
163.0	328.39	-66.81	54699	RM	Good
166.0	327.32	-66.85	54577	RM	Good
169.0	325.87	-66.90	54678	RM	Good
175.0	327.45	-66.81	54435	RM	Good
178.0	327.49	-66.76	54537	RM	Good
181.0	327.45	-66.75	54602	RM	Good
187.0	327.63	-66.65	54633	RM	Good
190.0	327.45	-66.69	54559	RM	Good
196.0	328.01	-66.67	54479	RM	Good
202.0	327.33	-66.71	54593	RM	Good
205.0	327.93	-66.71	54439	RM	Good
208.0	327.18	-66.74	54552	RM	Good
211.0	327.40	-66.75	54801	RM	Good
214.0	327.66	-66.75	54637	RM	Good
220.0	327.43	-66.75	54590	RM	Good
223.0	327.20	-66.72	54405	RM	Good
226.0	327.69	-66.65	54536	RM	Good
232.0	327.97	-66.71	54564	RM	Good
235.0	328.44	-66.72	54718	RM	Good
238.0	327.92	-66.74	54639	RM	Good
241.0	328.01	-66.72	54654	RM	Good
244.0	328.00	-66.73	54603	RM	Good
247.0	328.10	-66.69	54657	RM	Good
250.0	328.11	-66.66	54615	RM	Good
253.0	328.17	-66.63	54581	RM	Good
256.0	328.36	-66.38	54568	RM	Good
259.0	328.19	-66.58	54655	RM	Good
262.0	328.37	-66.59	54587	RM	Good
265.0	328.21	-66.56	54753	RM	Good
268.0	328.54	-66.57	54662	RM	Good
271.0	327.01	-66.60	54631	RM	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
274.0	327.73	-66.60	54752	RM	Good
277.0	328.41	-66.61	54830	RM	Good
280.0	327.01	-66.57	54434	RM	Good
286.0	327.79	-66.58	54629	RM	Good
289.0	327.92	-66.52	54656	RM	Good
292.0	328.01	-66.53	54597	RM	Good
295.0	327.66	-66.61	54578	RM	Good
298.0	327.97	-66.56	54607	RM	Good
301.0	327.92	-66.58	54603	RM	Good
304.0	328.01	-66.52	54598	RM	Good
307.0	327.96	-66.52	54602	RM	Good
310.0	327.75	-66.56	54595	RM	Good
313.0	327.47	-66.58	54596	RM	Good
316.0	327.19	-66.61	54600	RM	Good
319.0	327.17	-66.63	54586	RM	Good
322.0	327.41	-66.67	54566	RM	Good
325.0	327.43	-66.72	54546	RM	Good
328.0	327.21	-66.73	54408	RM	Good
331.0	327.54	-66.70	54593	RM	Good
334.0	327.18	-66.60	54590	RM	Good
337.0	327.17	-66.66	54589	RM	Good
340.0	326.99	-66.68	54604	RM	Good
343.0	327.00	-66.68	54612	RM	Good
346.0	327.03	-66.70	54597	RM	Good
349.0	326.87	-66.76	54592	RM	Good
352.0	326.90	-66.77	54588	RM	Good
355.0	326.76	-66.86	54591	RM	Good
358.0	326.78	-66.88	54582	RM	Good
361.0	326.71	-66.91	54581	RM	Good
364.0	326.66	-66.83	54580	RM	Good
367.0	326.57	-66.85	54571	RM	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
370.0	326.39	-66.88	54570	RM	Good
373.0	326.24	-66.98	54578	RM	Good
376.0	326.17	-67.05	54579	RM	Good
379.0	326.09	-66.84	54588	RM	Good
382.0	326.14	-66.83	54603	RM	Good
388.0	325.85	-66.93	54485	RM	Good
391.0	326.13	-66.91	54659	RM	Good
394.0	326.09	-66.96	54626	RM	Good
397.0	326.02	-66.97	54602	RM	Good
400.0	326.04	-66.92	54593	RM	Good
403.0	326.24	-66.88	54599	RM	Good
406.0	326.17	-66.92	54594	RM	Good
409.0	326.19	-66.87	54592	RM	Good
412.0	325.98	-66.80	54606	RM	Good
415.0	325.77	-66.79	54613	RM	Good
418.0	325.77	-66.75	54615	RM	Good

From	To	Lithologic Group					
0.00	13.68	Overburden					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	13.68	13.68			Unaltered	0%	top of hole
From	To	Lithologic Group					
13.68	14.70	Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
13.68	14.70	1.02	256001	0.034	Silicified	1%	medium grained, light grey, massive,
From	To	Lithologic Group					
14.70	31.65	Diorite Breccia					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
14.70	16.00	1.30	256002	0.029	Chloritic alteration	2%	medium grained dark greenish grey, massive, 90% matrix and 10% ton frags
16.00	17.00	1.00	256003	0.117	Chloritic alteration	2%	95% matrix and 5% ton frags
17.00	18.00	1.00	256004	0.146	Chloritic alteration	1%	95% matrix and 5% ton frags
18.00	19.00	1.00	256005	0.040	Chloritic alteration	2%	45% matrix and 55% ton frags
19.00	20.00	1.00	256006	0.101	Chloritic alteration	2%	80% matrix and 20% ton frags
20.00	21.00	1.00	256007	0.403	Chloritic alteration	3%	65% matrix and 35% ton frags
21.00	22.02	1.02	256008	0.159	Chloritic alteration	2%	60% matrix and 40% ton frags
22.02	23.00	0.98	256009	0.150	Chloritic alteration	1%	55% matrix and 45% ton frags
23.00	24.00	1.00	256011	0.048	Chloritic alteration	2%	65% matrix and 35% ton frags
24.00	25.00	1.00	256013	0.114	Chloritic alteration	1%	75% matrix and 25% ton frags
25.00	26.00	1.00	256014	0.036	Chloritic alteration	3%	40% matrix and 60% ton frags
26.00	27.00	1.00	256015	0.127	Chloritic alteration	1%	50% matrix and 50% ton frags
27.00	28.00	1.00	256016	0.206	Chloritic alteration	2%	60% matrix and 40% ton frags
28.00	29.00	1.00	256017	0.120	Biotitic alteration	1%	85% matrix and 15% ton frags
29.00	30.00	1.00	256018	0.083	Silicified	4%	35% matrix and 65% ton frags
30.00	31.00	1.00	256019	0.016	Chloritic alteration	3%	60% matrix and 40% ton frags
31.00	31.65	0.65	256020	0.056	Sericitic alteration	2%	10% matrix and 90% ton
From	To	Lithologic Group					
31.65	44.54	Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
31.65	33.00	1.35	256021	0.051	Silicified	4%	medium grained, light grey, massive, clots of chlorite
33.00	34.00	1.00	256022	0.045	Chloritic alteration	2%	
34.00	35.00	1.00	256023	0.013	Sericitic alteration	3%	
35.00	36.00	1.00	256025	0.025	Sericitic alteration	3%	

36.00	37.00	1.00	256026	2.210	Sericitic alteration	3%		
37.00	38.00	1.00	256027	1.894	Sericitic alteration	2%		
38.00	39.00	1.00	256028	0.213	Sericitic alteration	2%		
39.00	40.00	1.00	256029	0.079	Sericitic alteration	3%		
40.00	41.00	1.00	256031	0.080	Sericitic alteration	2%		
41.00	42.00	1.00	256032	0.019	Sericitic alteration	3%		
42.00	43.00	1.00	256033	0.014	Sericitic alteration	2%		
43.00	43.51	0.51	256034	0.017	Sericitic alteration	2%		
43.51	44.54	1.03	256035	0.018	Sericitic alteration	2%		
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>						
<b>44.54</b>	<b>45.39</b>	<b>Diorite Breccia</b>						
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments	
44.54	45.39	0.85	256037	0.021	Chloritic alteration	1%	75% matrix and 25% ton frags,	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>						
<b>45.39</b>	<b>49.34</b>	<b>Diorite</b>						
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments	
45.39	46.00	0.61	256038	0.056	Chloritic alteration	3%	fine grained, dark greenish grey, massive	
46.00	47.00	1.00	256039	0.357	Chloritic alteration	6%		
47.00	48.00	1.00	256040	0.006	Chloritic alteration	4%		
48.00	49.34	1.34	256041	0.334	Chloritic alteration	1%		
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>						
<b>49.34</b>	<b>51.00</b>	<b>Diorite Breccia</b>						
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments	
49.34	50.00	0.66	256042	1.159	Chloritic alteration	3%	50% matrix and 50% tonalite frags	
50.00	51.00	1.00	256043	0.021	Sericitic alteration	2%	5% Diorite matrix and 95% tonalite	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>						
<b>51.00</b>	<b>51.74</b>	<b>Tonalite</b>						
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments	
51.00	51.74	0.74	256044	0.021	Sericitic alteration	1%	fine to medium grained, light grey, massive	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>						
<b>51.74</b>	<b>52.70</b>	<b>Diorite Breccia</b>						
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments	
51.74	52.70	0.96	256045	0.075	Chloritic alteration	1%	60% diorite matrix and 40% tonalite frags	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>						
<b>52.70</b>	<b>54.00</b>	<b>Tonalite</b>						
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments	
52.70	54.00	1.30	256046	0.106	Sericitic alteration	1%	fine to medium grained, light grey, massive	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>54.00</b>	<b>62.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
54.00	54.80	0.80	256047	0.042	Sericitic alteration	3%	95% Tonalite and 5% Diorite matrix
54.80	56.00	1.20	256049	0.064	Sericitic alteration	2%	95% tonalite and 5% diorite matrix
56.00	57.00	1.00	256051	0.047	Sericitic alteration	2%	90% tonalite and 10% diorite matrix
57.00	58.00	1.00	256052	0.044	Sericitic alteration	2%	90% tonalite and 10% diorite matrix
58.00	59.00	1.00	256053	0.025	Sericitic alteration	1%	90% tonalite and 10% diorite matrix
59.00	60.00	1.00	256054	0.020	Sericitic alteration	3%	30% diorite matrix and 70% tonalite
60.00	61.00	1.00	256055	0.030	Sericitic alteration	2%	30% diorite matrix and 70% tonalite
61.00	62.00	1.00	256056	0.087	Silicified	3%	20% diorite matrix and 80% tonalite
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>62.00</b>	<b>63.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
62.00	63.00	1.00	256057	0.019	Silicified	2%	medium grained, light grey, massive
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>63.00</b>	<b>65.11</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
63.00	64.16	1.16	256058	0.045	Silicified	3%	60% tonalite and 40% diorite matrix
64.16	65.11	0.95	256059	0.020	Sericitic alteration	4%	65% tonalite and 35% diorite matrix
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>65.11</b>	<b>66.74</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
65.11	66.00	0.89	256061	0.005	Chloritic alteration	2%	fine grained, dark greenish grey, massive
66.00	66.74	0.74	256062	0.036	Chloritic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>66.74</b>	<b>77.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
66.74	68.00	1.26	256063	0.059	Silicified	1%	20% diorite matrix and 80% tonalite
68.00	69.00	1.00	256064	0.086	Sericitic alteration	3%	35% diorite matrix and 65% tonalite
69.00	70.00	1.00	256065	0.033	Sericitic alteration	1%	10% diorite matrix and 90% tonalite



70.00	71.00	1.00	256066	0.183	Sericitic alteration	3%	30% diorite matrix and 70% tonalite
71.00	72.00	1.00	256067	0.013	Sericitic alteration	4%	10% diorite matrix and 90% tonalite
72.00	73.00	1.00	256068	0.084	Sericitic alteration	2%	20% diorite matrix and 80% tonalite
73.00	74.00	1.00	256069	0.075	Silicified	2%	10% diorite matrix and 90% tonalite
74.00	75.00	1.00	256071	0.080	Silicified	4%	10% diorite matrix and 90% tonalite
75.00	75.93	0.93	256073	0.088	Silicified	6%	95% tonalite and 5% diorite matrix
75.93	77.00	1.07	256074	0.047	Silicified	2%	20% diorite matrix and 80% tonalite
<b>From</b> <b>77.00</b>	<b>To</b> <b>81.97</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
77.00	78.00	1.00	256075	0.079	Sericitic alteration	3%	Medium grained, massive, light grey
78.00	79.00	1.00	256076	0.015	Sericitic alteration	1%	
79.00	80.00	1.00	256077	0.043	Sericitic alteration	5%	
80.00	81.00	1.00	256078	0.069	Sericitic alteration	4%	rubbly core
81.00	81.97	0.97	256079	0.085	Sericitic alteration	2%	
<b>From</b> <b>81.97</b>	<b>To</b> <b>83.00</b>		<b>Lithologic Group</b> <b>Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
81.97	83.00	1.03	256080	0.113	Sericitic alteration	2%	95% tonalite and 5% diorite matrix
<b>From</b> <b>83.00</b>	<b>To</b> <b>84.68</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
83.00	84.00	1.00	256081	0.015	Sericitic alteration	1%	medium grained, light grey, massive
84.00	84.68	0.68	256082	0.021	Silicified	2%	
<b>From</b> <b>84.68</b>	<b>To</b> <b>86.43</b>		<b>Lithologic Group</b> <b>Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
84.68	85.36	0.68	256083	0.151	Silicified	2%	10% diorite matrix and 90% tonalite
85.36	86.43	1.07	256085	0.135	Silicified	2%	10% diorite matrix and 90% tonalite
<b>From</b> <b>86.43</b>	<b>To</b> <b>87.00</b>		<b>Lithologic Group</b> <b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
86.43	87.00	0.57	256086	0.009	Chloritic alteration	0%	medium grained, dark greenish grey, massive

<b>From 87.00</b>	<b>To 92.00</b>	<b>Lithologic Group Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
87.00	88.00	1.00	256087	0.093	Silicified	2%	20% diorite matrix and 80% tonalite
88.00	89.00	1.00	256088	0.022	Chloritic alteration	1%	55% diorite matrix and 45% tonalite
89.00	90.00	1.00	256089	0.044	Chloritic alteration	8%	40% diorite matrix and 60% tonalite
90.00	91.00	1.00	256091	0.025	Silicified	1%	25% matrix and 75% tonalite
91.00	92.00	1.00	256092	0.067	Silicified	3%	95% tonalite and 5% diorite matrix
<b>From 92.00</b>	<b>To 94.00</b>	<b>Lithologic Group Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
92.00	93.00	1.00	256093	0.038	Silicified	3%	one Dr fragment 2cmx2cmx3cm, medium grained, light grey, moderate fracturing
93.00	94.00	1.00	256094	0.027	Silicified	1%	
<b>From 94.00</b>	<b>To 102.00</b>	<b>Lithologic Group Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
94.00	95.00	1.00	256095	0.031	Silicified	1%	95% tonalite and 5% diorite matrix
95.00	96.00	1.00	256097	0.024	Biotitic alteration	1%	60% matrix and 40% tonalite
96.00	97.00	1.00	256098	0.012	Sericitic alteration	3%	20% diorite matrix and 80% tonalite
97.00	98.00	1.00	256099	0.010	Silicified	2%	30% diorite matrix and 70% tonalite
98.00	99.00	1.00	256100	0.013	Silicified	5%	95% tonalite and 5% diorite matrix
99.00	100.00	1.00	256101	0.024	Silicified	1%	45% diorite matrix and 55% tonalite
100.00	100.95	0.95	256102	0.034	Silicified	6%	50% diorite matrix and 50% tonalite
100.95	102.00	1.05	256103	0.035	Silicified	1%	30% diorite matrix and 70% tonalite
<b>From 102.00</b>	<b>To 103.00</b>	<b>Lithologic Group Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
102.00	103.00	1.00	256104	0.039	Sericitic alteration	1%	medium grainedm light grey, massive
<b>From 103.00</b>	<b>To 108.00</b>	<b>Lithologic Group Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

103.00	104.03	1.03	256105	0.021	Sericitic alteration	1%	40% diorite matrix and 60% tonalite
104.03	105.00	0.97	256106	0.048	Sericitic alteration	2%	25% matrix and 75% tonalite
105.00	106.00	1.00	256107	0.046	Silicified	3%	65% diorite matrix and 35% tonalite
106.00	107.00	1.00	256108	0.037	Silicified	2%	30% diorite matrix and 70% tonalite
107.00	108.00	1.00	256109	0.018	Silicified	1%	15% diorite matrix and 85% tonalite
<b>From</b> <b>108.00</b>	<b>To</b> <b>110.73</b>	<b>Lithologic Group</b> <b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
108.00	108.70	0.70	256111	0.009	Silicified	2%	light grey, massive, medium grained
108.70	110.00	1.30	256113	0.065	Silicified	3%	
110.00	110.73	0.73	256114	0.015	Silicified	1%	
<b>From</b> <b>110.73</b>	<b>To</b> <b>111.54</b>	<b>Lithologic Group</b> <b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
110.73	111.54	0.81	256115	0.092	Silicified	3%	50% diorite matrix and 50% tonalite
<b>From</b> <b>111.54</b>	<b>To</b> <b>112.15</b>	<b>Lithologic Group</b> <b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
111.54	112.15	0.61	256116	0.334	Chloritic alteration	0%	dark greenish grey, medium grained, massive
<b>From</b> <b>112.15</b>	<b>To</b> <b>113.40</b>	<b>Lithologic Group</b> <b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
112.15	113.40	1.25	256117	0.061	Silicified	1%	35% diorite and 65% tonalite
<b>From</b> <b>113.40</b>	<b>To</b> <b>115.05</b>	<b>Lithologic Group</b> <b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
113.40	114.00	0.60	256118	0.012	Sericitic alteration	4%	medium grained, light grey, massive to weakly foliated
114.00	115.05	1.05	256119	0.011	Sericitic alteration	18%	large 15 cm wide QCbChIV
<b>From</b> <b>115.05</b>	<b>To</b> <b>116.00</b>	<b>Lithologic Group</b> <b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
115.05	116.00	0.95	256120	0.019	Sericitic alteration	11%	5% diorite matrix and 95% tonalite
<b>From</b> <b>116.00</b>	<b>To</b> <b>116.97</b>	<b>Lithologic Group</b> <b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

116.00	116.97	0.97	256121	0.055	Sericitic alteration	3%	medium grained, light grey, massive
<b>From</b> 116.97	<b>To</b> 120.14		<b>Lithologic Group</b> Diorite Breccia				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
116.97	118.05	1.08	256122	0.156	Sericitic alteration	21%	10% diorite matrix and 90% tonalite
118.05	119.00	0.95	256123	0.134	Silicified	3%	45% diorite matrix and 55% tonalite
119.00	120.14	1.14	256125	0.085	Silicified	2%	30% diorite and 70% tonalite
<b>From</b> 120.14	<b>To</b> 122.63		<b>Lithologic Group</b> Tonalite				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
120.14	121.00	0.86	256126	0.447	Silicified	4%	fine to medium grained, light grey, massive
121.00	122.00	1.00	256127	0.068	Sericitic alteration	1%	
122.00	122.63	0.63	256128	0.194	Sericitic alteration	2%	
<b>From</b> 122.63	<b>To</b> 125.00		<b>Lithologic Group</b> Diorite Breccia				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
122.63	124.00	1.37	256129	0.172	Sericitic alteration	4%	10% matrix and 90% tonalite, in situ breccia
124.00	125.00	1.00	256131	0.071	Silicified	3%	10% matrix and 90% tonalite
<b>From</b> 125.00	<b>To</b> 129.00		<b>Lithologic Group</b> Tonalite				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
125.00	126.00	1.00	256132	0.023	Sericitic alteration	1%	medium grained, massive, medium grey
126.00	127.00	1.00	256133	0.024	Sericitic alteration	2%	
127.00	128.36	1.36	256134	0.127	Sericitic alteration	3%	
128.36	129.00	0.64	256135	3.930	Sericitic alteration	6%	30 cm shear zone
<b>From</b> 129.00	<b>To</b> 130.00		<b>Lithologic Group</b> Diorite Breccia				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
129.00	130.00	1.00	256137	0.046	Sericitic alteration	12%	20% matrix and 80% tonalite
<b>From</b> 130.00	<b>To</b> 131.82		<b>Lithologic Group</b> Tonalite				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
130.00	131.00	1.00	256138	0.067	Sericitic alteration	4%	medium grained, light grey, massive
131.00	131.82	0.82	256139	0.015	Silicified	3%	
<b>From</b> 131.82	<b>To</b> 133.00		<b>Lithologic Group</b> Diorite Breccia				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

131.82	133.00	1.18	256140	0.069	Silicified	4%	5% matrix and 95% tonalite
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>133.00</b>	<b>134.00</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
133.00	134.00	1.00	256141	0.235	Sericitic alteration	3%	medium grained, light grey, massive
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>134.00</b>	<b>135.00</b>		<b>Tonalite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
134.00	135.00	1.00	256142	0.065	Sericitic alteration	1%	7% diorite frags and 93% tonalite matrix, magnetic
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>135.00</b>	<b>137.76</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
135.00	136.00	1.00	256143	0.203	Sericitic alteration	1%	medium grained, massive light grey, magnetic
136.00	137.00	1.00	256144	0.220	Sericitic alteration	2%	
137.00	137.76	0.76	256145	0.158	Sericitic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>137.76</b>	<b>138.74</b>		<b>Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
137.76	138.74	0.98	256146	0.259	Silicified	3%	15% diorite matrix and 85% tonalite
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>138.74</b>	<b>139.72</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
138.74	139.72	0.98	256147	0.215	Chloritic alteration	1%	medium grained, dark green, massive, Biotite alteration strong at LCT
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>139.72</b>	<b>141.71</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
139.72	141.00	1.28	256149	0.029	Silicified	3%	Medium grained, light grey, massive, one spec of Moly in vein
141.00	141.71	0.71	256151	0.044	Silicified	1%	heavily fractured
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>141.71</b>	<b>144.00</b>		<b>Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
141.71	143.00	1.29	256152	0.102	Chloritic alteration	1%	50% tonalite and 50% diorite matrix
143.00	144.00	1.00	256153	0.096	Silicified	1%	5% diorite matrix and 95% tonalite

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>144.00</b>	<b>144.58</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
144.00	144.58	0.58	256154	0.060	Sericitic alteration	1%	medium grained, massive, light grey
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>144.58</b>	<b>146.87</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
144.58	146.00	1.42	256155	0.026	Biotitic alteration	1%	15% tonalite frags and 85% diorite matrix
146.00	146.87	0.87	256156	0.020	Biotitic alteration	5%	55% diorite matrix and 45% tonalite
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>146.87</b>	<b>149.62</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
146.87	148.04	1.17	256157	0.075	Silicified	6%	medium grained, light grey, massive
148.04	148.97	0.93	256158	0.055	Silicified	4%	1 cm sized diorite frag
148.97	149.62	0.65	256159	0.124	Silicified	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>149.62</b>	<b>151.00</b>	<b>Tonalite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
149.62	151.00	1.38	256161	0.789	Silicified	4%	5% diorite frags and 95% tonalite matrix
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>151.00</b>	<b>155.09</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
151.00	152.00	1.00	256162	0.152	Silicified	1%	30% diorite matrix and 70% tonalite
152.00	153.00	1.00	256163	0.166	Sericitic alteration	2%	50% tonalite and 50% diorite matrix
153.00	154.02	1.02	256164	0.269	Chloritic alteration	1%	70% diorite matrix and 30% tonalite
154.02	155.09	1.07	256165	0.532	Chloritic alteration	2%	20% diorite matrix and 80% tonalite
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>155.09</b>	<b>158.90</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
155.09	156.00	0.91	256166	0.024	Chloritic alteration	1%	medium grained, massive, dark green
156.00	157.00	1.00	256167	0.022	Chloritic alteration	1%	
157.00	158.12	1.12	256168	0.021	Chloritic alteration	1%	
158.12	158.90	0.78	256169	0.011	Chloritic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>158.90</b>	<b>166.52</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
158.90	160.00	1.10	256171	0.029	Sericitic alteration	4%	30% diorite matrix and 70% tonalite
160.00	161.00	1.00	256173	0.107	Sericitic alteration	11%	15% diorite matrix and 85% tonalite (HdBx?)
161.00	162.00	1.00	256174	0.048	Sericitic alteration	5%	in situ breccia, 5% diorite matrix and 95% tonalite
162.00	163.00	1.00	256175	0.284	Sericitic alteration	3%	10% diorite and 90% tonalite
163.00	163.77	0.77	256176	0.481	Sericitic alteration	5%	10% diorite and 90% tonalite
163.77	164.49	0.72	256177	0.151	Biotitic alteration	6%	80% diorite matrix and 20% tonalite
164.49	165.00	0.51	256178	0.072	Silicified	3%	5% diorite matrix and 95% tonalite
165.00	165.94	0.94	256179	0.431	Sericitic alteration	3%	10% diorite matrix and 90% tonalite
165.94	166.52	0.58	256180	0.204	Biotitic alteration	5%	60% diorite matrix and 40% tonalite
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>166.52</b>	<b>167.78</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
166.52	167.07	0.55	256181	0.105	Sericitic alteration	7%	medium grained, medium grey, heavily fractured
167.07	167.78	0.71	256182	0.101	Sericitic alteration	5%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>167.78</b>	<b>170.36</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
167.78	169.00	1.22	256183	0.045	Biotitic alteration	8%	60% diorite matrix and 40% tonalite
169.00	170.36	1.36	256185	0.956	Sericitic alteration	4%	20% diorite matrix and 80% tonalite, magnetic
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>170.36</b>	<b>171.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
170.36	171.00	0.64	256186	0.126	Sericitic alteration	2%	medium grained, massive, light grey
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>171.00</b>	<b>172.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
171.00	172.00	1.00	256187	0.326	Sericitic alteration	2%	10% diorite matrix and 90% tonalite
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>172.00</b>	<b>174.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

172.00	173.00	1.00	256188	0.384	Silicified	2%	Brian start, mg, gry, mass, non-magnetic
173.00	174.00	1.00	256189	0.160	Biotitic alteration	4%	35cm mafic/diorite dike
<b>From</b> <b>174.00</b>	<b>To</b> <b>175.30</b>	<b>Lithologic Group</b> <b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
174.00	175.30	1.30	256191	0.270	Silicified	1%	60% matrix and 40% tonalite - poss hydbx
<b>From</b> <b>175.30</b>	<b>To</b> <b>178.00</b>	<b>Lithologic Group</b> <b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
175.30	176.00	0.70	256192	0.022	Sericitic alteration	8%	mg, gry, mass, non-mag
176.00	176.80	0.80	256193	0.022	Sericitic alteration	1%	
176.80	178.00	1.20	256194	0.439	Silicified	8%	
<b>From</b> <b>178.00</b>	<b>To</b> <b>179.00</b>	<b>Lithologic Group</b> <b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
178.00	179.00	1.00	256195	1.765	Silicified	5%	8% matrix and 92% tonalite-poorly developed, poss hydbx
<b>From</b> <b>179.00</b>	<b>To</b> <b>180.00</b>	<b>Lithologic Group</b> <b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
179.00	180.00	1.00	256197	0.234	Silicified	1%	mg, gry, mass, non-magnetic
<b>From</b> <b>180.00</b>	<b>To</b> <b>189.00</b>	<b>Lithologic Group</b> <b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
180.00	181.63	1.63	256198	0.046	Sericitic alteration	12%	5% matrix and 95% tonalite-poorly developed
181.63	183.00	1.37	256199	0.108	Silicified	5%	10% matrix and 90% tonalite-narrow pipes
183.00	184.00	1.00	256200	0.152	Silicified	0%	15% matrix and 85% tonalite-narrow pipes
184.00	185.00	1.00	256201	0.027	Biotitic alteration	20%	10% matrix and 90% tonalite-narrow pipes
185.00	186.00	1.00	256202	0.481	Silicified	1%	5% matrix and 95% tonalite-poorly developed
186.00	187.00	1.00	256203	0.028	Silicified	12%	5% matrix and 95% tonalite-poorly developed
187.00	188.00	1.00	256204	0.531	Biotitic alteration	1%	5% matrix and 95% tonalite-poorly developed
188.00	189.00	1.00	256205	0.143	Biotitic alteration	2%	5% matrix and 95% tonalite-poorly developed
<b>From</b> <b>189.00</b>	<b>To</b> <b>190.06</b>	<b>Lithologic Group</b> <b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments



189.00	190.06	1.06	256206	0.058	Biotitic alteration	1%	mg, gry-pk, mass, non magentic
<b>From</b> <b>190.06</b>	<b>To</b> <b>194.06</b>	<b>Lithologic Group</b> <b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
190.06	191.00	0.94	256207	0.532	Biotitic alteration	2%	20% matrix and 80% tonalite-poorly developed
191.00	192.00	1.00	256208	0.036	Silicified	1%	30% matrix and 70% tonalite-sil overprint
192.00	193.00	1.00	256209	0.121	Silicified	1%	10% matrix and 90% tonalite-narrow pipes
193.00	194.06	1.06	256211	0.056	Silicified	1%	15% matrix and 85% tonalite-narrow pipes
<b>From</b> <b>194.06</b>	<b>To</b> <b>200.03</b>	<b>Lithologic Group</b> <b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
194.06	195.45	1.39	256213	1.083	Sericitic alteration	10%	mg, gry, massive, non-magnetic
195.45	197.00	1.55	256214	0.348	Silicified	2%	
197.00	198.00	1.00	256215	0.186	Sericitic alteration	3%	
198.00	199.00	1.00	256216	0.661	Silicified	7%	1mm speck of VG in smokey quartz-cb-chl-py-cpy vn w Mo on frc face, ser altn halo
199.00	200.03	1.03	256218	0.178	Silicified	5%	
<b>From</b> <b>200.03</b>	<b>To</b> <b>203.45</b>	<b>Lithologic Group</b> <b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
200.03	201.00	0.97	256219	0.093	Biotitic alteration	1%	30% matrix and 70% tonalite-wk sil overprint
201.00	202.00	1.00	256220	0.241	Silicified	1%	15% matrix and 85% tonalite-wk sil overprint
202.00	203.45	1.45	256221	0.355	Silicified	1%	15% matrix and 85% tonalite-wk sil overprint
<b>From</b> <b>203.45</b>	<b>To</b> <b>213.00</b>	<b>Lithologic Group</b> <b>Tonalite 2 Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
203.45	205.00	1.55	256222	0.166	Silicified	2%	95% Ton 2 matrix and 5% Ton 1 frags
205.00	206.00	1.00	256223	0.109	Sericitic alteration	4%	20% Ton 2 matrix and 80% Ton 1 frags
206.00	207.00	1.00	256225	0.046	Sericitic alteration	6%	20% Ton 2 matrix and 80% Ton 1 frags
207.00	208.00	1.00	256226	0.034	Silicified	6%	35% Ton 2 matrix and 65% Ton 1 frags
208.00	209.00	1.00	256227	0.019	Silicified	0%	50% Ton 2 matrix and 50% Ton 1 frags
209.00	210.00	1.00	256228	0.048	Silicified	1%	80% Ton 2 matrix and 20% Ton 1 frags

210.00	211.00	1.00	256229	0.047	Silicified	20%	95% Ton 2 matrix and 5% Ton 1 frags
211.00	212.00	1.00	256231	0.100	Silicified	5%	95% Ton 2 matrix and 5% Ton 1 frags - ton frags very assimilated
212.00	213.00	1.00	256232	0.089	Silicified	1%	90% Ton 2 matrix and 10% Ton 1 frags - ton frags very assimilated
<b>From</b> <b>213.00</b>	<b>To</b> <b>219.10</b>		<b>Lithologic Group</b> <b>Tonalite 2</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
213.00	214.00	1.00	256233	0.196	Silicified	1%	vfg-fg, gry, massive, patches with less altered sections
214.00	215.00	1.00	256234	0.125	Silicified	6%	
215.00	216.00	1.00	256235	0.014	Silicified	1%	
216.00	217.00	1.00	256237	0.039	Silicified	1%	
217.00	218.00	1.00	256238	0.058	Silicified	1%	
218.00	219.10	1.10	256239	0.033	Silicified	2%	
<b>From</b> <b>219.10</b>	<b>To</b> <b>221.20</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
219.10	220.20	1.10	256240	0.035	Silicified	2%	mg, gry, massive, non-magnetic
220.20	221.20	1.00	256241	0.299	Silicified	1%	
<b>From</b> <b>221.20</b>	<b>To</b> <b>223.12</b>		<b>Lithologic Group</b> <b>Tonalite 2 Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
221.20	222.40	1.20	256242	0.037	Sericitic alteration	1%	40% Ton 2 matrix and 60% Ton 1 frags
222.40	223.12	0.72	256243	0.138	Silicified	1%	50% Ton 2 matrix and 50% Ton 1 frags
<b>From</b> <b>223.12</b>	<b>To</b> <b>228.90</b>		<b>Lithologic Group</b> <b>Tonalite 2</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
223.12	224.00	0.88	256244	0.018	Silicified	1%	vfg-fg, gry, massive, non-magnetic
224.00	225.00	1.00	256245	0.024	Silicified	2%	
225.00	226.50	1.50	256246	0.053	Silicified	5%	
226.50	227.60	1.10	256247	0.006	Sericitic alteration	0%	intense ser altd ton 2?
227.60	228.90	1.30	256249	0.019	Sericitic alteration	0%	intense ser altd ton 2?
<b>From</b> <b>228.90</b>	<b>To</b> <b>236.82</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
228.90	230.00	1.10	256251	0.214	Sericitic alteration	1%	mg, gry, massive, w patchy magnetism, brecciated uphole contact with ser altd ton2

230.00	231.00	1.00	256252	0.050	Sericitic alteration	2%	
231.00	232.00	1.00	256253	0.099	Sericitic alteration	2%	
232.00	233.00	1.00	256254	0.086	Sericitic alteration	3%	
233.00	234.00	1.00	256255	0.038	Sericitic alteration	3%	several cm chilled diabase dike
234.00	235.00	1.00	256256	0.125	Sericitic alteration	1%	
235.00	236.00	1.00	256257	0.038	Silicified	0%	
236.00	236.82	0.82	256258	0.157	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>236.82</b>	<b>239.15</b>	<b>Diorite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
236.82	238.00	1.18	256259	0.140	Silicified	1%	25% matrix 75% ton frgs - poorly developed, sil overprint
238.00	239.15	1.15	256261	0.249	Silicified	2%	25% matrix 75% ton frgs - poorly developed, sil overprint

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>239.15</b>	<b>242.15</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
239.15	240.60	1.45	256262	0.089	Sericitic alteration	4%	
240.60	242.15	1.55	256263	0.116	Sericitic alteration	11%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>242.15</b>	<b>243.00</b>	<b>Tonalite 2 Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
242.15	243.00	0.85	256264	0.088	Silicified	1%	50% Ton 2 matrix and 50% Ton 1 frags

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>243.00</b>	<b>264.58</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
243.00	244.00	1.00	256265	0.020	Silicified	2%	vfg-fg, light to drk gry, massive, non-magnetic
244.00	245.00	1.00	256266	0.014	Silicified	2%	
245.00	246.00	1.00	256267	0.021	Silicified	3%	
246.00	247.00	1.00	256268	0.061	Silicified	50%	alt percentage lower due to 50% veining
247.00	248.00	1.00	256269	0.015	Silicified	1%	appearing brecciated but it looks like unaltered portion out of the area of influence from pervasive vein alteration
248.00	249.00	1.00	256271	0.016	Silicified	3%	
249.00	250.00	1.00	256273	0.040	Silicified	1%	
250.00	251.00	1.00	256274	0.102	Silicified	2%	
251.00	252.00	1.00	256275	0.082	Silicified	3%	
252.00	253.00	1.00	256276	0.044	Silicified	3%	
253.00	254.00	1.00	256277	0.176	Silicified	1%	
254.00	255.00	1.00	256278	0.066	Silicified	1%	

255.00	256.00	1.00	256279	0.010	Silicified	5%	
256.00	257.00	1.00	256280	0.012	Silicified	1%	
257.00	258.00	1.00	256281	9.410	Silicified	3%	
258.00	259.00	1.00	256282	0.032	Silicified	0%	
259.00	260.00	1.00	256283	0.041	Silicified	3%	
260.00	261.00	1.00	256285	0.022	Silicified	1%	
261.00	262.00	1.00	256286	0.137	Silicified	1%	
262.00	263.00	1.00	256287	0.049	Silicified	1%	
263.00	264.58	1.58	256288	0.034	Silicified	2%	end of Ton 2 appearing brecciated

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>264.58</b>	<b>279.06</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
264.58	266.00	1.42	256289	0.409	Silicified	3%	mg, light grey, massive w selective strong magnetism
266.00	267.00	1.00	256291	0.568	Silicified	1%	
267.00	268.00	1.00	256292	0.280	Silicified	1%	
268.00	269.00	1.00	256293	0.725	Silicified	1%	
269.00	270.00	1.00	256294	0.834	Silicified	1%	
270.00	271.00	1.00	256295	3.840	Silicified	3%	local cpy-py min to narrow brecciated section
271.00	272.00	1.00	256297	1.701	Sericitic alteration	0%	
272.00	273.00	1.00	256298	2.647	Sericitic alteration	3%	
273.00	274.58	1.58	256299	0.699	Sericitic alteration	3%	
274.58	275.61	1.03	256300	1.073	Sericitic alteration	1%	
275.61	277.00	1.39	256301	2.200	Sericitic alteration	1%	
277.00	277.95	0.95	256302	2.712	Sericitic alteration	1%	
277.95	279.06	1.11	256303	1.104	Sericitic alteration	7%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>279.06</b>	<b>280.90</b>	<b>Diabase</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
279.06	280.00	0.94	256304	0.040	Epidote alteration	0%	fg, drk gry-blck w green ep altd plag phenos, massive, weakly magnetic
280.00	280.90	0.90	256305	0.006	Epidote alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>280.90</b>	<b>282.20</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
280.90	282.20	1.30	256306	0.843	Sericitic alteration	1%	mg, massive, grey, non-magnetic

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>282.20</b>	<b>286.80</b>	<b>Tonalite 2</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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282.20	283.00	0.80	256307	0.084	Silicified	1%	vfg-mg, mass, grey, non-magnetic, both contacts not well observed - possible ton 1 component of unit (ton 2 bx?)
283.00	284.00	1.00	256308	0.155	Silicified	1%	
284.00	285.00	1.00	256309	0.243	Silicified	1%	
285.00	286.00	1.00	256311	0.214	Silicified	1%	
286.00	286.80	0.80	256313	0.650	Silicified	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>286.80</b>	<b>330.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
286.80	288.00	1.20	256314	0.484	Sericitic alteration	5%	
288.00	289.00	1.00	256315	0.504	Sericitic alteration	1%	
289.00	290.00	1.00	256316	0.610	Sericitic alteration	1%	
290.00	291.00	1.00	256317	0.511	Sericitic alteration	1%	
291.00	292.00	1.00	256318	0.358	Sericitic alteration	0%	
292.00	293.00	1.00	256319	0.423	Sericitic alteration	2%	
293.00	294.00	1.00	256320	1.171	Sericitic alteration	2%	
294.00	295.00	1.00	256321	0.460	Sericitic alteration	2%	
295.00	296.00	1.00	256322	0.342	Sericitic alteration	3%	
296.00	297.00	1.00	256323	0.434	Sericitic alteration	2%	
297.00	298.00	1.00	256325	0.455	Sericitic alteration	4%	
298.00	299.00	1.00	256326	0.294	Sericitic alteration	6%	
299.00	300.00	1.00	256327	0.128	Sericitic alteration	3%	
300.00	301.00	1.00	256328	0.284	Sericitic alteration	2%	
301.00	302.00	1.00	256329	1.383	Sericitic alteration	2%	
302.00	303.00	1.00	256331	0.147	Sericitic alteration	2%	
303.00	304.00	1.00	256332	0.648	Sericitic alteration	1%	
304.00	305.00	1.00	256333	1.056	Sericitic alteration	3%	
305.00	306.00	1.00	256334	1.468	Sericitic alteration	2%	
306.00	307.00	1.00	256335	1.891	Sericitic alteration	2%	
307.00	308.00	1.00	256337	2.702	Sericitic alteration	2%	
308.00	309.00	1.00	256338	0.886	Sericitic alteration	3%	
309.00	310.30	1.30	256339	4.370	Sericitic alteration	5%	
310.30	311.00	0.70	256340	0.865	Sericitic alteration	1%	make sure not ton 2
311.00	312.00	1.00	256341	0.755	Sericitic alteration	1%	make sure not ton 2
312.00	313.00	1.00	256342	2.041	Sericitic alteration	1%	make sure not ton 2
313.00	314.00	1.00	256343	1.122	Sericitic alteration	1%	make sure not ton 2
314.00	315.00	1.00	256344	1.732	Sericitic alteration	1%	Justin start logging, not ton 2
315.00	316.00	1.00	256345	0.930	Sericitic alteration	2%	
316.00	317.00	1.00	256346	1.831	Sericitic alteration	2%	
317.00	318.00	1.00	256347	1.644	Sericitic alteration	1%	
318.00	319.08	1.08	256349	1.648	Sericitic alteration	2%	

319.08	320.00	0.92	256351	3.910	Sericitic alteration	1%	
320.00	321.00	1.00	256352	2.454	Sericitic alteration	1%	
321.00	322.09	1.09	256353	1.024	Sericitic alteration	4%	32 cm mafic dyke
322.09	323.41	1.32	256354	2.049	Sericitic alteration	2%	
323.41	324.86	1.45	256355	1.500	Sericitic alteration	2%	40% mafic dyke,
324.86	326.00	1.14	256356	2.616	Sericitic alteration	1%	
326.00	327.00	1.00	256357	2.263	Sericitic alteration	1%	
327.00	328.00	1.00	256358	2.134	Sericitic alteration	0%	
328.00	329.00	1.00	256359	0.790	Sericitic alteration	2%	
329.00	330.00	1.00	256361	0.719	Sericitic alteration	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>330.00</b>	<b>330.69</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
330.00	330.69	0.69	256362	0.027	Chloritic alteration	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>330.69</b>	<b>334.19</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
330.69	332.00	1.31	256363	0.930	Sericitic alteration	2%	
332.00	333.00	1.00	256364	4.360	Sericitic alteration	1%	10cm mafic dyke
333.00	334.19	1.19	256365	3.050	Sericitic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>334.19</b>	<b>335.32</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
334.19	335.32	1.13	256366	0.092	Sericitic alteration	50%	52 cm vein, fine to medium grained, foliated, dark greenish grey
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>335.32</b>	<b>339.27</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
335.32	336.00	0.68	256367	0.051	Sericitic alteration	6%	17cm mafic dyke, medium grained, massive, light grey
336.00	337.00	1.00	256368	0.930	Sericitic alteration	1%	
337.00	338.00	1.00	256369	1.949	Sericitic alteration	1%	
338.00	339.27	1.27	256371	1.262	Sericitic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>339.27</b>	<b>341.10</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
339.27	340.00	0.73	256373	0.013	Biotitic alteration	1%	medium grained, dark greenish grey, massive
340.00	341.10	1.10	256374	0.006	Biotitic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>341.10</b>	<b>382.12</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

341.10	342.00	0.90	256375	2.536	Sericitic alteration	2%	medium grained, light grey, massive, no mag
342.00	343.00	1.00	256376	2.424	Sericitic alteration	3%	
343.00	344.00	1.00	256377	1.824	Sericitic alteration	1%	
344.00	345.00	1.00	256378	4.330	Sericitic alteration	1%	
345.00	346.00	1.00	256379	2.870	Sericitic alteration	1%	
346.00	347.00	1.00	256380	1.525	Sericitic alteration	1%	
347.00	348.00	1.00	256381	1.736	Sericitic alteration	2%	
348.00	349.00	1.00	256382	3.040	Sericitic alteration	4%	
349.00	350.00	1.00	256383	2.837	Sericitic alteration	0%	
350.00	351.00	1.00	256385	1.940	Sericitic alteration	0%	
351.00	352.00	1.00	256386	1.218	Sericitic alteration	1%	
352.00	353.00	1.00	256387	6.340	Sericitic alteration	8%	
353.00	354.00	1.00	256388	1.038	Sericitic alteration	0%	
354.00	355.00	1.00	256389	0.803	Sericitic alteration	3%	
355.00	356.00	1.00	256391	1.557	Sericitic alteration	0%	
356.00	357.00	1.00	256392	1.214	Sericitic alteration	3%	
357.00	358.00	1.00	256393	1.578	Sericitic alteration	1%	
358.00	359.00	1.00	256394	0.867	Sericitic alteration	1%	
359.00	360.00	1.00	256395	8.680	Sericitic alteration	4%	
360.00	361.00	1.00	256397	2.550	Sericitic alteration	2%	
361.00	362.00	1.00	256398	1.253	Sericitic alteration	2%	
362.00	363.00	1.00	256399	2.096	Sericitic alteration	0%	
363.00	364.00	1.00	256400	1.585	Sericitic alteration	4%	few very small specs of PVG at 363.71m
364.00	365.00	1.00	256402	1.696	Sericitic alteration	3%	
365.00	366.00	1.00	256403	2.990	Sericitic alteration	1%	
366.00	367.00	1.00	256404	0.538	Sericitic alteration	0%	
367.00	368.00	1.00	256405	0.343	Sericitic alteration	1%	
368.00	369.00	1.00	256406	0.360	Sericitic alteration	1%	
369.00	370.00	1.00	256407	0.363	Sericitic alteration	1%	
370.00	371.00	1.00	256408	0.768	Sericitic alteration	1%	
371.00	372.00	1.00	256409	2.154	Sericitic alteration	3%	10cm diorite dyke with pyrite rich veins at boundaries
372.00	373.00	1.00	256411	0.495	Sericitic alteration	4%	
373.00	374.00	1.00	256413	1.632	Sericitic alteration	1%	
374.00	375.00	1.00	256414	2.621	Sericitic alteration	4%	
375.00	376.00	1.00	256415	2.660	Sericitic alteration	2%	
376.00	377.00	1.00	256416	2.832	Sericitic alteration	1%	
377.00	378.00	1.00	256417	2.467	Sericitic alteration	0%	
378.00	379.00	1.00	256418	0.955	Sericitic alteration	1%	
379.00	380.00	1.00	256419	0.473	Sericitic alteration	1%	
380.00	381.00	1.00	256420	14.400	Sericitic alteration	20%	

381.00	382.12	1.12	256421	1.738	Sericitic alteration	2%	
<b>From</b> <b>382.12</b>	<b>To</b> <b>382.70</b>		<b>Lithologic Group</b> <b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
382.12	382.70	0.58	256422	3.710	Chloritic alteration	5%	Medium grained, medium greenish grey, weakly foliated
<b>From</b> <b>382.70</b>	<b>To</b> <b>385.44</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
382.70	384.00	1.30	256423	0.716	Sericitic alteration	1%	medium grained light grey, massive
384.00	385.44	1.44	256425	2.351	Sericitic alteration	1%	
<b>From</b> <b>385.44</b>	<b>To</b> <b>387.20</b>		<b>Lithologic Group</b> <b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
385.44	386.00	0.56	256426	0.010	Chloritic alteration	2%	fine grained, dark greenish grey, massive
386.00	387.20	1.20	256427	0.005	Biotitic alteration	1%	
<b>From</b> <b>387.20</b>	<b>To</b> <b>421.31</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
387.20	388.00	0.80	256428	1.236	Sericitic alteration	1%	medium grained, light grey, massive
388.00	389.00	1.00	256429	0.173	Sericitic alteration	1%	
389.00	390.00	1.00	256431	0.170	Sericitic alteration	3%	
390.00	391.00	1.00	256432	0.228	Sericitic alteration	1%	
391.00	392.00	1.00	256433	0.122	Sericitic alteration	1%	
392.00	393.00	1.00	256434	0.298	Sericitic alteration	1%	
393.00	394.00	1.00	256435	1.527	Sericitic alteration	1%	
394.00	395.08	1.08	256437	0.525	Sericitic alteration	6%	
395.08	396.00	0.92	256438	0.785	Sericitic alteration	1%	
396.00	397.00	1.00	256439	0.823	Sericitic alteration	4%	
397.00	398.00	1.00	256440	0.392	Sericitic alteration	2%	
398.00	399.00	1.00	256441	1.387	Sericitic alteration	3%	
399.00	400.00	1.00	256442	0.699	Sericitic alteration	1%	
400.00	401.00	1.00	256443	0.926	Sericitic alteration	6%	
401.00	402.00	1.00	256444	2.568	Sericitic alteration	1%	
402.00	403.00	1.00	256445	2.401	Sericitic alteration	2%	
403.00	404.00	1.00	256446	1.713	Sericitic alteration	5%	
404.00	405.00	1.00	256447	1.066	Sericitic alteration	1%	
405.00	406.00	1.00	256449	4.190	Sericitic alteration	1%	
406.00	407.00	1.00	256451	0.085	Sericitic alteration	0%	
407.00	408.00	1.00	256452	0.714	Sericitic alteration	2%	



408.00	409.00	1.00	256453	0.955	Sericitic alteration	2%
409.00	410.00	1.00	256454	0.458	Sericitic alteration	1%
410.00	411.00	1.00	256455	1.822	Sericitic alteration	1%
411.00	412.00	1.00	256456	1.313	Sericitic alteration	2%
412.00	413.00	1.00	256457	0.524	Sericitic alteration	1%
413.00	413.97	0.97	256458	0.604	Sericitic alteration	1%
413.97	415.00	1.03	256459	1.521	Sericitic alteration	2%
415.00	416.00	1.00	256461	2.720	Sericitic alteration	2%
416.00	416.94	0.94	256462	8.590	Sericitic alteration	1%
416.94	418.00	1.06	256463	0.578	Sericitic alteration	1%
418.00	419.00	1.00	256464	0.264	Sericitic alteration	1%
419.00	420.00	1.00	256465	2.992	Sericitic alteration	5%
420.00	421.31	1.31	256466	0.304	Sericitic alteration	1%

# DRILL HOLE REPORT

Drill Hole **GOS20-49** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 336.0  
 Dip -61.0  
 Length 430.5 m  
 Started 03-Sep-20  
 Completed 11-Sep-20  
 Logged 14-Sep-20  
 Logged by Caitlin Beland

Company  
 Contractor Chenier Drilling  
 Position  
 Bore Size BQTK  
 Sample Storage Klondike Lodge  
 Casing STEEL  
 Condition Cemented

Survey Details:

Claim Number MLO-10658  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool DGPS

Coordinates:

Target Easting 431252.00  
 Comments UTM Datum NAD83 Northing 5267761.00  
 UTM Zone 17 Elevation 380.50

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
7.0	336.75	-61.29	55338	RM		43.0	336.76	-61.13	54800	RM	
10.0	336.52	-61.46	55103	RM		46.0	336.70	-61.11	54777	RM	
16.0	336.19	-61.42	54984	RM		49.0	336.88	-61.12	54767	RM	
19.0	336.36	-61.45	54927	RM		52.0	336.89	-61.13	54771	RM	
25.0	336.27	-61.50	54832	RM		55.0	336.91	-61.28	54751	RM	
28.0	336.18	-61.40	54876	RM		58.0	336.85	-61.27	54732	RM	
31.0	336.26	-61.35	54850	RM		61.0	336.94	-61.24	54693	RM	
34.0	336.54	-61.37	54839	RM		64.0	336.96	-61.17	54655	RM	
37.0	336.67	-61.19	54806	RM		67.0	336.87	-61.18	54665	RM	
40.0	336.72	-61.19	54798	RM		70.0	336.85	-61.20	54699	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
73.0	336.87	-61.20	54716	RM	
76.0	336.79	-61.22	54693	RM	
79.0	336.79	-61.19	54725	RM	
82.0	336.08	-61.19	54796	RM	
85.0	336.78	-61.20	54731	RM	
88.0	336.84	-61.19	54707	RM	
91.0	336.99	-61.17	54712	RM	
94.0	336.57	-61.22	54772	RM	
97.0	336.78	-61.26	54742	RM	
100.0	336.76	-61.27	54727	RM	
103.0	337.16	-61.29	54755	RM	
106.0	337.32	-61.26	54778	RM	
109.0	337.23	-61.26	54801	RM	
112.0	337.27	-61.22	54796	RM	
115.0	337.15	-61.24	54791	RM	
118.0	337.19	-61.16	54785	RM	
121.0	337.15	-61.15	54791	RM	
124.0	337.17	-61.11	54795	RM	
127.0	337.29	-61.04	54780	RM	
130.0	337.39	-61.00	54752	RM	
133.0	337.30	-61.01	54717	RM	
136.0	337.29	-60.87	54682	RM	
139.0	336.69	-61.09	54722	RM	
142.0	336.50	-61.10	54945	RM	
145.0	336.49	-61.11	54130	RM	
148.0	337.27	-61.06	54798	RM	
151.0	337.50	-60.99	54814	RM	
154.0	337.63	-61.00	54821	RM	
157.0	337.58	-61.00	54823	RM	
160.0	337.60	-60.93	54807	RM	
163.0	337.66	-60.94	54878	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
166.0	336.31	-60.98	54654	RM	
172.0	337.13	-60.96	54985	RM	
175.0	337.38	-61.05	54825	RM	
178.0	337.52	-61.01	54765	RM	
181.0	337.27	-61.05	54777	RM	
187.0	337.51	-61.00	54824	RM	
193.0	336.99	-61.06	55351	RM	
196.0	337.71	-61.07	54804	RM	
199.0	338.02	-61.10	54780	RM	
202.0	338.01	-61.16	54849	RM	
208.0	337.99	-61.06	54887	RM	
211.0	337.67	-61.06	54770	RM	
214.0	338.06	-61.01	54806	RM	
217.0	338.46	-61.00	54959	RM	
220.0	338.09	-60.99	54861	RM	
223.0	338.80	-61.00	55259	RM	
232.0	338.24	-60.95	54949	RM	
235.0	338.03	-60.99	54354	RM	
238.0	337.54	-60.99	54927	RM	
241.0	338.04	-61.01	54756	RM	
253.0	337.63	-60.88	53480	RM	
256.0	338.20	-60.88	54599	RM	
265.0	337.40	-60.92	55203	RM	
277.0	337.91	-60.84	54944	RM	
283.0	338.31	-61.08	54067	RM	
286.0	337.92	-61.02	54409	RM	
289.0	337.41	-60.99	54288	RM	
292.0	338.22	-60.98	55224	RM	
295.0	338.85	-60.92	55175	RM	
298.0	338.37	-60.91	54383	RM	
301.0	337.10	-60.92	54693	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
304.0	336.81	-60.93	54777	RM	
307.0	338.35	-60.87	55265	RM	
313.0	339.81	-60.89	55154	RM	
316.0	338.39	-60.90	54806	RM	
319.0	338.83	-60.93	54777	RM	
322.0	337.89	-60.95	54958	RM	
325.0	338.53	-60.94	54847	RM	
328.0	337.67	-60.95	55008	RM	
334.0	338.61	-60.86	54386	RM	
337.0	337.10	-60.82	53925	RM	
340.0	338.48	-60.82	54354	RM	
343.0	337.63	-60.84	55806	RM	
361.0	337.48	-60.71	55806	RM	
364.0	337.38	-60.68	54161	RM	
367.0	337.23	-60.67	55661	RM	
370.0	338.47	-60.68	55155	RM	
373.0	338.80	-60.64	54988	RM	
382.0	338.23	-60.66	54760	RM	
388.0	337.96	-60.64	54961	RM	
391.0	337.47	-60.65	54252	RM	
394.0	338.25	-60.67	55301	RM	
397.0	338.19	-60.66	54934	RM	
400.0	338.91	-60.68	54813	RM	
403.0	337.21	-60.70	55061	RM	
406.0	337.35	-60.66	54794	RM	
409.0	338.29	-60.70	54799	RM	
412.0	337.65	-60.63	54777	RM	
415.0	337.83	-60.53	54784	RM	
418.0	337.67	-60.27	54816	RM	
421.0	337.39	-60.17	54797	RM	
424.0	337.17	-60.14	54753	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
427.0	336.62	-60.09	54804	RM	

From	To	Lithologic Group					
0.00	12.28	Overburden					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	12.28	12.28			Unaltered		
From	To	Lithologic Group					
12.28	84.33	Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
12.28	13.00	0.72	255486	0.047	Silicified	2%	fine to medium grained, massive, light to dark grey; non magnetic
13.00	14.00	1.00	255487	0.074	Silicified	3%	
14.00	15.00	1.00	255488	0.053	Silicified	2%	
15.00	16.00	1.00	255489	0.012	Silicified	7%	
16.00	17.00	1.00	255491	0.006	Silicified	2%	
17.00	18.00	1.00	255492	0.018	Silicified	3%	
18.00	19.00	1.00	255493	0.050	Silicified	5%	
19.00	20.00	1.00	255494	0.030	Silicified	5%	
20.00	21.00	1.00	255495	0.005	Silicified	5%	
21.00	22.00	1.00	255497	0.057	Silicified	2%	
22.00	23.00	1.00	255498	0.013	Silicified	3%	
23.00	24.00	1.00	255499	0.011	Silicified	2%	
24.00	25.00	1.00	255500	0.350	Silicified	4%	
25.00	26.00	1.00	254501	0.130	Silicified	2%	
26.00	27.00	1.00	254502	0.037	Silicified	1%	
27.00	28.00	1.00	254503	0.066	Silicified	2%	
28.00	29.00	1.00	254504	0.075	Silicified	2%	
29.00	30.00	1.00	254505	0.046	Silicified	2%	
30.00	31.00	1.00	254506	0.063	Silicified	2%	
31.00	32.00	1.00	254507	0.100	Silicified	2%	
32.00	33.00	1.00	254508	0.086	Silicified	3%	
33.00	34.00	1.00	254509	0.070	Sericitic alteration	2%	
34.00	35.08	1.08	254511	0.275	Sericitic alteration	4%	
35.08	36.00	0.92	254513	0.766	Silicified	65%	
36.00	37.00	1.00	254514	0.118	Sericitic alteration	15%	
37.00	38.00	1.00	254515	0.050	Sericitic alteration	1%	
38.00	39.00	1.00	254516	0.044	Silicified	4%	
39.00	40.00	1.00	254517	0.046	Silicified	4%	
40.00	41.00	1.00	254518	0.279	Silicified	4%	
41.00	42.00	1.00	254519	0.059	Silicified	6%	

42.00	43.00	1.00	254520	0.165	Silicified	3%	
43.00	44.05	1.05	254521	0.092	Silicified	6%	
44.05	45.00	0.95	254522	0.024	Silicified	4%	
45.00	46.00	1.00	254523	0.227	Silicified	5%	
46.00	47.00	1.00	254525	0.048	Silicified	5%	
47.00	48.00	1.00	254526	0.064	Silicified	3%	
48.00	49.00	1.00	254527	0.102	Silicified	2%	
49.00	50.00	1.00	254528	0.070	Silicified	5%	
50.00	51.00	1.00	254529	0.032	Silicified	5%	
51.00	52.00	1.00	254531	0.005	Silicified	3%	
52.00	53.00	1.00	254532	0.017	Sericitic alteration	3%	
53.00	54.00	1.00	254533	0.008	Sericitic alteration	4%	
54.00	55.00	1.00	254534	0.036	Silicified	3%	
55.00	56.00	1.00	254535	0.899	Silicified	2%	
56.00	57.00	1.00	254537	0.020	Sericitic alteration	5%	
57.00	58.00	1.00	254538	0.010	Silicified	3%	
58.00	59.00	1.00	254539	0.017	Silicified	2%	
59.00	60.00	1.00	254540	0.023	Silicified	2%	
60.00	61.00	1.00	254541	0.094	Silicified	2%	
61.00	61.91	0.91	254542	0.097	Sericitic alteration	3%	
61.91	63.00	1.09	254543	0.080	Sericitic alteration	1%	pebble-sized rubble; low recovery;
63.00	64.00	1.00	254544	0.116	Sericitic alteration	1%	
64.00	65.00	1.00	254545	0.083	Sericitic alteration	2%	
65.00	66.00	1.00	254546	0.223	Sericitic alteration	3%	
66.00	67.00	1.00	254547	0.498	Sericitic alteration	4%	
67.00	68.00	1.00	254549	0.260	Sericitic alteration	3%	
68.00	69.00	1.00	254551	0.293	Sericitic alteration	2%	
69.00	70.00	1.00	254552	0.307	Sericitic alteration	3%	
70.00	71.00	1.00	254553	0.124	Sericitic alteration	2%	
71.00	72.00	1.00	254554	0.641	Sericitic alteration	20%	
72.00	72.54	0.54	254555	8.110	Sericitic alteration	20%	
72.54	74.00	1.46	254556	0.087	Silicified	2%	
74.00	75.00	1.00	254557	0.224	Silicified	6%	
75.00	76.00	1.00	254558	0.252	Sericitic alteration	2%	
76.00	77.00	1.00	254559	0.931	Sericitic alteration	4%	
77.00	78.00	1.00	254561	0.923	Silicified	2%	
78.00	79.00	1.00	254562	0.822	Silicified	2%	
79.00	80.00	1.00	254563	0.312	Silicified	1%	
80.00	81.00	1.00	254564	0.265	Silicified	1%	
81.00	82.00	1.00	254565	0.091	Silicified	2%	
82.00	83.00	1.00	254566	0.163	Silicified	3%	
83.00	84.33	1.33	254567	0.707	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>84.33</b>	<b>85.23</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
84.33	85.23	0.90	254568	0.227	Chloritic alteration	5%	very fine to fine grained, black in colour, massive, magnetic

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>85.23</b>	<b>126.84</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
85.23	86.00	0.77	254569	1.120	Silicified	11%	
86.00	87.00	1.00	254571	0.366	Silicified	3%	
87.00	88.00	1.00	254573	0.559	Silicified	2%	
88.00	89.00	1.00	254574	0.373	Silicified	2%	
89.00	90.00	1.00	254575	0.437	Silicified	1%	
90.00	91.00	1.00	254576	0.207	Silicified	2%	
91.00	91.74	0.74	254577	0.095	Silicified	3%	
91.74	93.00	1.26	254578	0.239	Silicified	1%	
93.00	94.00	1.00	254579	0.343	Silicified	1%	
94.00	95.00	1.00	254580	0.201	Silicified	2%	
95.00	96.00	1.00	254581	0.254	Silicified	1%	
96.00	97.00	1.00	254582	0.185	Silicified	7%	
97.00	98.00	1.00	254583	0.276	Silicified	7%	
98.00	99.19	1.19	254585	0.289	Silicified	10%	
99.19	100.00	0.81	254586	0.265	Silicified	2%	
100.00	101.00	1.00	254587	0.350	Silicified	2%	
101.00	102.00	1.00	254588	0.587	Silicified	2%	
102.00	103.00	1.00	254589	0.193	Silicified	7%	
103.00	104.00	1.00	254591	0.411	Silicified	14%	
104.00	105.00	1.00	254592	0.239	Silicified	14%	
105.00	106.00	1.00	254593	0.690	Silicified	6%	
106.00	107.00	1.00	254594	0.652	Silicified	11%	
107.00	108.00	1.00	254595	0.009	Silicified	3%	
108.00	109.00	1.00	254597	0.123	Silicified	4%	
109.00	110.00	1.00	254598	0.017	Silicified	9%	
110.00	111.00	1.00	254599	0.075	Silicified	2%	
111.00	111.96	0.96	254600	0.062	Silicified	24%	
111.96	113.00	1.04	254601	0.294	Silicified	5%	
113.00	114.00	1.00	254602	0.317	Silicified	2%	
114.00	115.00	1.00	254603	0.546	Silicified	1%	
115.00	116.00	1.00	254604	0.284	Silicified	1%	
116.00	117.00	1.00	254605	0.009	Silicified	1%	
117.00	118.00	1.00	254606	0.106	Silicified	1%	
118.00	119.00	1.00	254607	0.177	Silicified	1%	

119.00	120.00	1.00	254608	0.111	Silicified	1%
120.00	121.00	1.00	254609	0.089	Sericitic alteration	1%
121.00	122.00	1.00	254611	0.365	Silicified	5%
122.00	123.00	1.00	254613	0.177	Silicified	2%
123.00	124.00	1.00	254614	0.175	Silicified	1%
124.00	125.00	1.00	254615	0.557	Silicified	1%
125.00	126.00	1.00	254616	0.405	Silicified	2%
126.00	126.84	0.84	254617	1.071	Silicified	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>126.84</b>	<b>130.33</b>	<b>Tonalite 2</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
126.84	128.00	1.16	254618	0.368	Silicified	2%	fine to very fine grained, beige-coloured, massive to weakly foliated, non-magnetic
128.00	129.00	1.00	254619	0.770	Silicified	3%	
129.00	130.33	1.33	254620	0.165	Silicified	4%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>130.33</b>	<b>142.05</b>	<b>Hydrothermal Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
130.33	131.00	0.67	254621	2.376	Chloritic alteration	1%	Angular fragments of tonalite in hydrothermal matrix comprised of chl and bt. Typically in situ (crackle) breccia, but may locally be clast or matrix supported.
131.00	132.00	1.00	254622	0.779	Silicified	5%	
132.00	133.00	1.00	254623	10.400	Silicified	4%	
133.00	134.00	1.00	254625	2.640	Silicified	1%	
134.00	135.00	1.00	254626	3.120	Silicified	3%	
135.00	136.00	1.00	254627	5.910	Silicified	3%	
136.00	137.00	1.00	254628	1.963	Silicified	5%	
137.00	138.00	1.00	254629	8.190	Silicified	2%	
138.00	139.00	1.00	254631	1.639	Silicified	2%	
139.00	140.00	1.00	254632	1.566	Silicified	18%	
140.00	141.05	1.05	254633	13.400	Silicified	6%	
141.05	142.05	1.00	254634	1.821	Silicified	9%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>142.05</b>	<b>143.77</b>	<b>Lamprophyre Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
142.05	142.95	0.90	254635	4.280	Biotitic alteration	3%	sample is 30% HdBx; brown coloured, medium grained, strongly foliated dyke composed of biotite, carbonate, and lesser chlorite. Non magnetic



142.95	143.77	0.82	254637	0.537	Biotitic alteration	8%	sample is 10% HdBx
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>143.77</b>	<b>144.44</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
143.77	144.44	0.67	254638	1.582	Silicified	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>144.44</b>	<b>145.58</b>		<b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
144.44	145.58	1.14	254639	1.758	Biotitic alteration	4%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>145.58</b>	<b>148.51</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
145.58	147.00	1.42	254640	0.433	Silicified	22%	
147.00	148.00	1.00	254641	18.300	Silicified	28%	
148.00	148.51	0.51	254642	2.720	Silicified	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>148.51</b>	<b>151.03</b>		<b>Mafic Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
148.51	150.00	1.49	254643	0.086	Chloritic alteration	1%	very fine to fine grained, black in colour, massive, magnetic
150.00	151.03	1.03	254644	0.088	Chloritic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>151.03</b>	<b>170.61</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
151.03	152.00	0.97	254645	2.889	Silicified	4%	
152.00	153.00	1.00	254646	6.230	Silicified	2%	
153.00	154.00	1.00	254647	8.880	Silicified	23%	
154.00	155.00	1.00	254649	2.666	Silicified	3%	
155.00	156.00	1.00	254651	2.204	Silicified	6%	
156.00	157.00	1.00	254652	5.740	Silicified	3%	
157.00	158.00	1.00	254653	1.694	Chloritic alteration	2%	
158.00	159.00	1.00	254654	3.870	Silicified	5%	
159.00	160.00	1.00	254655	7.420	Silicified	2%	
160.00	161.00	1.00	254656	4.220	Chloritic alteration	3%	
161.00	162.00	1.00	254657	1.883	Silicified	3%	
162.00	163.00	1.00	254658	1.051	Silicified	3%	
163.00	164.00	1.00	254659	8.400	Silicified	4%	
164.00	165.00	1.00	254661	5.420	Silicified	7%	
165.00	166.00	1.00	254662	2.334	Silicified	2%	
166.00	167.00	1.00	254663	1.286	Chloritic alteration	2%	
167.00	168.00	1.00	254664	1.612	Silicified	2%	
168.00	169.00	1.00	254665	2.401	Chloritic alteration	2%	

169.00	170.00	1.00	254666	0.984	Chloritic alteration	2%	
170.00	170.61	0.61	254667	0.452	Chloritic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>170.61</b>	<b>172.00</b>		<b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
170.61	172.00	1.39	254668	0.036	Biotitic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>172.00</b>	<b>176.21</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
172.00	173.00	1.00	254669	1.025	Biotitic alteration	4%	
173.00	174.00	1.00	254671	0.345	Biotitic alteration	1%	
174.00	175.00	1.00	254673	0.646	Biotitic alteration	1%	
175.00	176.21	1.21	254674	1.036	Silicified	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>176.21</b>	<b>177.69</b>		<b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
176.21	177.00	0.79	254675	0.021	Biotitic alteration	2%	
177.00	177.69	0.69	254676	0.006	Biotitic alteration	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>177.69</b>	<b>187.00</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
177.69	179.00	1.31	254677	0.238	Silicified	7%	
179.00	180.00	1.00	254678	0.282	Silicified	3%	
180.00	181.00	1.00	254679	0.299	Silicified	4%	
181.00	182.00	1.00	254680	0.474	Silicified	4%	
182.00	183.00	1.00	254681	0.147	Silicified	2%	
183.00	184.00	1.00	254682	0.326	Silicified	4%	
184.00	185.00	1.00	254683	0.312	Silicified	4%	
185.00	186.00	1.00	254685	0.486	Silicified	2%	
186.00	187.00	1.00	254686	0.162	Silicified	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>187.00</b>	<b>188.00</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
187.00	188.00	1.00	254687	0.190	Silicified	6%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>188.00</b>	<b>212.00</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
188.00	189.00	1.00	254688	0.860	Silicified	2%	
189.00	190.00	1.00	254689	0.279	Silicified	1%	
190.00	191.00	1.00	254691	0.356	Silicified	3%	
191.00	192.00	1.00	254692	0.291	Silicified	2%	

192.00	193.00	1.00	254693	0.578	Silicified	3%	
193.00	194.00	1.00	254694	0.074	Silicified	3%	
194.00	195.00	1.00	254695	0.874	Silicified	2%	
195.00	196.00	1.00	254697	0.497	Silicified	2%	
196.00	197.00	1.00	254698	0.413	Silicified	1%	
197.00	198.00	1.00	254699	0.195	Silicified	1%	
198.00	199.00	1.00	254700	0.332	Silicified	2%	
199.00	200.00	1.00	254701	0.334	Silicified	3%	
200.00	201.00	1.00	254702	0.194	Silicified	2%	
201.00	202.00	1.00	254703	1.697	Silicified	3%	
202.00	203.00	1.00	254704	0.664	Silicified	4%	
203.00	204.00	1.00	254705	0.795	Silicified	3%	
204.00	205.00	1.00	254706	0.390	Silicified	3%	
205.00	206.00	1.00	254707	0.116	Silicified	2%	
206.00	207.00	1.00	254708	0.216	Silicified	3%	
207.00	208.00	1.00	254709	6.510	Silicified	6%	
208.00	209.00	1.00	254711	0.201	Silicified	2%	
209.00	210.00	1.00	254713	0.095	Silicified	2%	
210.00	211.00	1.00	254714	0.139	Silicified	3%	sample is 10% sheared mafic dyke
211.00	212.00	1.00	254715	0.730	Sericitic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>212.00</b>	<b>213.00</b>	<b>Tonalite</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
212.00	213.00	1.00	254716	0.186	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>213.00</b>	<b>232.63</b>	<b>Hydrothermal Breccia</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
213.00	214.00	1.00	254717	0.103	Sericitic alteration	1%	
214.00	215.00	1.00	254718	0.479	Sericitic alteration	1%	
215.00	216.00	1.00	254719	0.039	Silicified	1%	
216.00	217.00	1.00	254720	0.324	Silicified	1%	
217.00	218.00	1.00	254721	1.275	Silicified	1%	
218.00	219.00	1.00	254722	1.888	Silicified	7%	
219.00	220.00	1.00	254723	0.299	Silicified	26%	
220.00	221.00	1.00	254725	2.223	Silicified	8%	
221.00	222.00	1.00	254726	1.479	Silicified	3%	
222.00	223.00	1.00	254727	0.678	Silicified	2%	
223.00	224.00	1.00	254728	0.251	Silicified	2%	
224.00	225.00	1.00	254729	0.638	Silicified	5%	
225.00	226.00	1.00	254731	0.394	Silicified	2%	
226.00	227.00	1.00	254732	2.622	Silicified	4%	

227.00	228.00	1.00	254733	1.812	Silicified	2%
228.00	229.05	1.05	254734	0.105	Chloritic alteration	86%
229.05	230.00	0.95	254735	0.161	Silicified	1%
230.00	231.00	1.00	254737	0.078	Silicified	2%
231.00	232.00	1.00	254738	0.009	Silicified	3%
232.00	232.63	0.63	254739	0.082	Silicified	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>232.63</b>	<b>233.53</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
232.63	233.53	0.90	254740	12.500	Biotitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>233.53</b>	<b>238.88</b>	<b>Hydrothermal Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
233.53	235.00	1.47	254741	0.190	Silicified	6%	
235.00	236.00	1.00	254742	0.723	Silicified	3%	
236.00	237.00	1.00	254743	0.558	Silicified	3%	
237.00	238.00	1.00	254744	0.671	Silicified	4%	
238.00	238.88	0.88	254745	1.238	Silicified	6%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>238.88</b>	<b>242.95</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
238.88	240.00	1.12	254746	0.385	Unaltered	1%	
240.00	241.00	1.00	254747	0.037	Unaltered	3%	
241.00	242.00	1.00	254749	0.014	Unaltered	3%	
242.00	242.95	0.95	254751	0.055	Unaltered	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>242.95</b>	<b>255.00</b>	<b>Hydrothermal Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
242.95	244.00	1.05	254752	0.283	Silicified	3%	
244.00	245.00	1.00	254753	0.390	Silicified	4%	
245.00	246.00	1.00	254754	0.228	Silicified	2%	
246.00	247.00	1.00	254755	1.213	Silicified	6%	
247.00	248.00	1.00	254756	0.271	Silicified	1%	
248.00	249.00	1.00	254757	0.167	Silicified	2%	
249.00	250.00	1.00	254758	0.577	Silicified	1%	
250.00	251.00	1.00	254759	0.770	Silicified	2%	
251.00	252.00	1.00	254761	0.326	Silicified	2%	
252.00	253.00	1.00	254762	0.727	Silicified	1%	
253.00	254.00	1.00	254763	0.101	Silicified	2%	
254.00	255.00	1.00	254764	0.971	Silicified	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>255.00</b>	<b>257.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
255.00	256.00	1.00	254765	0.845	Silicified	3%	
256.00	257.00	1.00	254766	0.288	Silicified	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>257.00</b>	<b>258.86</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
257.00	258.00	1.00	254767	0.273	Silicified	7%	
258.00	258.86	0.86	254768	1.075	Silicified	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>258.86</b>	<b>264.87</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
258.86	260.00	1.14	254769	0.012	Chloritic alteration		
260.00	261.00	1.00	254771	0.009	Chloritic alteration	2%	
261.00	262.00	1.00	254773	0.014	Chloritic alteration	2%	
262.00	263.00	1.00	254774	2.334	Chloritic alteration	4%	
263.00	264.00	1.00	254775	0.921	Biotitic alteration	16%	
264.00	264.87	0.87	254776	0.046	Biotitic alteration	5%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>264.87</b>	<b>285.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
264.87	266.00	1.13	254777	0.061	Silicified	10%	
266.00	267.00	1.00	254778	0.662	Silicified	2%	
267.00	268.00	1.00	254779	0.488	Silicified	2%	
268.00	269.00	1.00	254780	0.589	Silicified	3%	
269.00	270.00	1.00	254781	0.095	Silicified	3%	
270.00	271.00	1.00	254782	0.778	Silicified	7%	
271.00	272.00	1.00	254783	0.710	Silicified	3%	
272.00	273.00	1.00	254785	0.623	Silicified	2%	
273.00	274.00	1.00	254786	0.344	Silicified	5%	
274.00	275.00	1.00	254787	0.282	Silicified	11%	
275.00	276.00	1.00	254788	0.257	Silicified	1%	
276.00	277.00	1.00	254789	0.025	Silicified	1%	
277.00	278.00	1.00	254791	0.420	Silicified	3%	
278.00	279.00	1.00	254792	0.091	Silicified	3%	
279.00	280.00	1.00	254793	0.241	Silicified	3%	
280.00	281.00	1.00	254794	1.312	Silicified	6%	
281.00	281.95	0.95	254795	0.217	Silicified	11%	
281.95	282.95	1.00	254797	0.682	Silicified	14%	
282.95	284.00	1.05	254798	0.111	Silicified	6%	
284.00	285.00	1.00	254799	0.414	Silicified	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>285.00</b>	<b>286.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
285.00	286.00	1.00	254800	0.351	Silicified	4%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>286.00</b>	<b>316.10</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
286.00	287.00	1.00	254801	0.227	Silicified	7%	
287.00	288.00	1.00	254802	1.427	Silicified	11%	
288.00	289.00	1.00	254803	0.389	Silicified	3%	
289.00	290.00	1.00	254804	0.615	Silicified	2%	
290.00	291.00	1.00	254805	0.172	Silicified	12%	
291.00	292.00	1.00	254806	0.232	Silicified	5%	
292.00	293.00	1.00	254807	0.991	Silicified	1%	
293.00	294.00	1.00	254808	1.441	Silicified	3%	
294.00	295.00	1.00	254809	0.974	Silicified	2%	
295.00	296.00	1.00	254811	0.564	Silicified	1%	
296.00	297.00	1.00	254813	0.245	Silicified	1%	
297.00	297.90	0.90	254814	0.184	Silicified	1%	
297.90	299.00	1.10	254815	0.707	Silicified	18%	
299.00	300.00	1.00	254816	0.392	Silicified	2%	
300.00	301.00	1.00	254817	0.799	Silicified	4%	
301.00	301.85	0.85	254818	0.245	Silicified	1%	
301.85	303.00	1.15	254819	0.305	Silicified	1%	
303.00	304.00	1.00	254820	0.995	Silicified	2%	
304.00	305.00	1.00	254821	0.405	Silicified	1%	
305.00	306.00	1.00	254822	0.440	Silicified	1%	
306.00	307.05	1.05	254823	0.167	Silicified	4%	
307.05	308.00	0.95	254825	0.300	Silicified	1%	
308.00	309.00	1.00	254826	0.258	Silicified	1%	
309.00	310.00	1.00	254827	0.314	Silicified	3%	
310.00	311.00	1.00	254828	0.462	Silicified	3%	
311.00	312.00	1.00	254829	0.557	Silicified	2%	
312.00	313.00	1.00	254831	0.635	Silicified	3%	
313.00	314.00	1.00	254832	0.371	Silicified	13%	
314.00	315.00	1.00	254833	0.323	Silicified	11%	
315.00	316.10	1.10	254834	0.406	Silicified	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>316.10</b>	<b>317.68</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
316.10	317.00	0.90	254835	0.005	Biotitic alteration	1%	
317.00	317.68	0.68	254837	0.090	Biotitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>317.68</b>	<b>321.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
317.68	319.00	1.32	254838	0.354	Silicified	2%	
319.00	320.00	1.00	254839	1.810	Silicified	3%	
320.00	321.00	1.00	254840	0.355	Silicified	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>321.00</b>	<b>322.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
321.00	322.00	1.00	254841	0.366	Silicified	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>322.00</b>	<b>327.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
322.00	323.00	1.00	254842	0.131	Silicified	3%	
323.00	324.00	1.00	254843	0.218	Silicified	2%	
324.00	325.00	1.00	254844	0.945	Silicified	3%	
325.00	326.00	1.00	254845	0.419	Silicified	2%	
326.00	327.00	1.00	254846	1.052	Silicified	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>327.00</b>	<b>334.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
327.00	328.00	1.00	254847	0.180	Silicified	2%	
328.00	329.00	1.00	254849	0.038	Silicified	2%	
329.00	330.00	1.00	254851	0.060	Silicified	2%	
330.00	331.00	1.00	254852	0.103	Silicified	1%	
331.00	332.00	1.00	254853	0.033	Silicified	2%	
332.00	333.00	1.00	254854	0.029	Silicified	2%	
333.00	334.00	1.00	254855	0.099	Silicified	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>334.00</b>	<b>364.25</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
334.00	335.00	1.00	254856	0.113	Silicified	3%	
335.00	336.00	1.00	254857	0.073	Silicified	2%	
336.00	337.00	1.00	254858	0.076	Silicified	2%	
337.00	338.00	1.00	254859	0.135	Silicified	2%	
338.00	339.00	1.00	254861	0.046	Silicified	3%	
339.00	340.00	1.00	254862	1.581	Silicified	2%	
340.00	341.00	1.00	254863	1.182	Silicified	2%	
341.00	342.00	1.00	254864	0.608	Silicified	2%	
342.00	343.00	1.00	254865	0.292	Silicified	1%	
343.00	343.90	0.90	254866	0.588	Silicified	2%	
343.90	345.00	1.10	254867	0.498	Silicified	2%	

345.00	346.00	1.00	254868	0.134	Silicified	1%
346.00	347.00	1.00	254869	0.068	Silicified	1%
347.00	348.00	1.00	254871	0.302	Silicified	1%
348.00	349.00	1.00	254873		Silicified	1%
349.00	350.00	1.00	254874	0.960	Silicified	2%
350.00	351.00	1.00	254875	4.230	Silicified	2%
351.00	352.00	1.00	254876	1.090	Silicified	2%
352.00	353.00	1.00	254877	2.941	Silicified	1%
353.00	354.00	1.00	254878	0.321	Silicified	1%
354.00	355.00	1.00	254879	0.466	Silicified	3%
355.00	356.00	1.00	254880	0.733	Silicified	1%
356.00	357.00	1.00	254881	1.064	Silicified	1%
357.00	358.00	1.00	254882	2.140	Silicified	1%
358.00	359.00	1.00	254883	0.294	Silicified	2%
359.00	360.00	1.00	254885	0.908	Silicified	2%
360.00	360.95	0.95	254886	1.542	Silicified	3%
360.95	362.00	1.05	254887	1.185	Silicified	2%
362.00	363.00	1.00	254888	8.860	Silicified	1%
363.00	364.25	1.25	254889	1.345	Silicified	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>364.25</b>	<b>366.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
364.25	365.00	0.75	254891	0.333	Silicified	1%	
365.00	366.00	1.00	254892	0.181	Silicified	7%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>366.00</b>	<b>389.73</b>	<b>Hydrothermal Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
366.00	367.00	1.00	254893	0.218	Silicified	4%	
367.00	368.00	1.00	254894	0.637	Silicified	4%	
368.00	369.00	1.00	254895	2.443	Silicified	2%	
369.00	370.00	1.00	254897	0.559	Silicified	2%	
370.00	371.00	1.00	254898	1.268	Silicified	1%	
371.00	372.00	1.00	254899	1.292	Silicified	1%	
372.00	373.00	1.00	254900	0.922	Silicified	1%	
373.00	374.00	1.00	254901	3.860	Silicified	6%	
374.00	375.00	1.00	254902	1.699	Silicified	4%	
375.00	375.85	0.85	254903	1.199	Silicified	1%	
375.85	377.00	1.15	254904	0.443	Silicified	1%	
377.00	378.00	1.00	254905	1.730	Silicified	1%	
378.00	379.00	1.00	254906	0.528	Silicified	3%	
379.00	380.00	1.00	254907	0.391	Silicified	1%	
380.00	381.00	1.00	254908	3.130	Silicified	1%	



381.00	382.00	1.00	254909	0.208	Silicified	1%
382.00	383.00	1.00	254911	0.630	Silicified	2%
383.00	384.00	1.00	254913	1.420	Silicified	5%
384.00	385.00	1.00	254914	1.008	Silicified	6%
385.00	386.00	1.00	254915	1.392	Silicified	2%
386.00	387.00	1.00	254916	1.279	Silicified	2%
387.00	388.00	1.00	254917	2.173	Silicified	1%
388.00	389.00	1.00	254918	1.621	Silicified	3%
389.00	389.73	0.73	254919	1.563	Silicified	8%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>389.73</b>	<b>390.76</b>	<b>Lamprophyre Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
389.73	390.76	1.03	254920	0.016	Biotitic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>390.76</b>	<b>399.56</b>	<b>Hydrothermal Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
390.76	392.00	1.24	254921	0.489	Silicified	6%	
392.00	393.00	1.00	254922	3.320	Silicified	2%	
393.00	394.00	1.00	254923	0.346	Silicified	2%	
394.00	395.00	1.00	254925	1.651	Silicified	2%	
395.00	396.00	1.00	254926	1.565	Silicified	5%	
396.00	397.00	1.00	254927	0.829	Silicified	5%	
397.00	398.00	1.00	254928	0.441	Sericitic alteration	1%	
398.00	399.00	1.00	254929	1.187	Sericitic alteration	1%	
399.00	399.56	0.56	254931	0.518	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>399.56</b>	<b>401.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
399.56	401.00	1.44	254932	0.660	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>401.00</b>	<b>426.34</b>	<b>Tonalite 2</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
401.00	402.00	1.00	254933	5.620	Sericitic alteration	7%	Could be strongly altered Ton?? Strongly developed foliation (in sericite), but dark grey colour. Sharp upper contact with Ton, but gradational lower contact with (probably... lol) definitive Ton

402.00	403.00	1.00	254934	0.635	Sericitic alteration	3%	Could be strongly altered Ton?? Strongly developed foliation (in sericite), but dark grey colour. Sharp upper contact with Ton, but gradational lower contact with (probably... lol) definitive Ton
403.00	404.00	1.00	254935	0.536	Sericitic alteration	1%	Could be strongly altered Ton?? Strongly developed foliation (in sericite), but dark grey colour. Sharp upper contact with Ton, but gradational lower contact with (probably... lol) definitive Ton
404.00	405.00	1.00	254937	0.664	Sericitic alteration	2%	Could be strongly altered Ton?? Strongly developed foliation (in sericite), but dark grey colour. Sharp upper contact with Ton, but gradational lower contact with (probably... lol) definitive Ton
405.00	406.00	1.00	254938	0.494	Sericitic alteration	3%	Could be strongly altered Ton?? Strongly developed foliation (in sericite), but dark grey colour. Sharp upper contact with Ton, but gradational lower contact with (probably... lol) definitive Ton
406.00	407.00	1.00	254939	0.192	Sericitic alteration	1%	Could be strongly altered Ton?? Strongly developed foliation (in sericite), but dark grey colour. Sharp upper contact with Ton, but gradational lower contact with (probably... lol) definitive Ton
407.00	408.00	1.00	254940	0.173	Sericitic alteration	1%	Could be strongly altered Ton?? Strongly developed foliation (in sericite), but dark grey colour. Sharp upper contact with Ton, but gradational lower contact with (probably... lol) definitive Ton
408.00	409.00	1.00	254941	0.878	Sericitic alteration	2%	Could be strongly altered Ton?? Strongly developed foliation (in sericite), but dark grey colour. Sharp upper contact with Ton, but gradational lower contact with (probably... lol) definitive Ton
409.00	410.00	1.00	254942	2.088	Sericitic alteration	2%	Could be strongly altered Ton?? Strongly developed foliation (in sericite), but dark grey colour. Sharp upper contact with Ton, but gradational lower contact with (probably... lol) definitive Ton

410.00	411.00	1.00	254943	0.139	Sericitic alteration	3%	Could be strongly altered Ton?? Strongly developed foliation (in sericite), but dark grey colour. Sharp upper contact with Ton, but gradational lower contact with (probably... lol) definitive Ton
411.00	412.00	1.00	254944	0.238	Sericitic alteration	1%	Could be strongly altered Ton?? Strongly developed foliation (in sericite), but dark grey colour. Sharp upper contact with Ton, but gradational lower contact with (probably... lol) definitive Ton
412.00	413.00	1.00	254945	0.156	Sericitic alteration	1%	Could be strongly altered Ton?? Strongly developed foliation (in sericite), but dark grey colour. Sharp upper contact with Ton, but gradational lower contact with (probably... lol) definitive Ton
413.00	414.00	1.00	254946	0.193	Silicified	5%	
414.00	415.00	1.00	254947	0.570	Silicified	4%	
415.00	416.00	1.00	254949	0.849	Silicified	4%	
416.00	417.00	1.00	254951	0.195	Silicified	1%	
417.00	418.00	1.00	254952	0.111	Silicified	1%	
418.00	419.00	1.00	254953	0.030	Silicified	1%	
419.00	420.00	1.00	254954	0.078	Silicified	1%	
420.00	421.00	1.00	254955	0.046	Silicified	3%	
421.00	422.00	1.00	254956	0.011	Silicified	2%	
422.00	423.00	1.00	254957	0.049	Silicified	1%	
423.00	424.00	1.00	254958	0.067	Silicified	4%	
424.00	425.00	1.00	254959	0.038	Silicified	6%	
425.00	426.34	1.34	254961	0.096	Silicified	1%	

From	To	Lithologic Group	
426.34	430.47	Tonalite	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
426.34	427.00	0.66	254962	0.155	Silicified	1%	
427.00	428.00	1.00	254963	0.531	Silicified	1%	
428.00	429.00	1.00	254964	0.227	Silicified	1%	
429.00	430.47	1.47	254965	0.136	Silicified	2%	EOH

# DRILL HOLE REPORT

Drill Hole **GOS20-50** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 329.4  
 Dip -59.9  
 Length 437.3 m  
 Started 11-Sep-20  
 Completed 18-Sep-20  
 Logged 27-Sep-20  
 Logged by Justin Bisailon

Company  
 Contractor Chenier Drilling  
 Position  
 Bore Size BQTK  
 Sample Storage Klondike Lodge  
 Casing STEEL  
 Condition Cemented

Survey Details:

Claim Number MLO-10658  
 Property Chester 234  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool DGPS

Coordinates:

Easting 431229.00  
 UTM Datum NAD83 Northing 5267823.00  
 UTM Zone 17 Elevation 380.67

**Target**

**Comments** 6m of casing left (cut) 9m pulled out  
 BTW core

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
3.0	328.02	-59.91				33.0	327.71	-59.83			
6.0	328.08	-59.91				36.0	328.00	-59.76			
9.0	328.25	-59.83				39.0	328.07	-59.81			
12.0	328.54	-59.82				42.0	327.36	-59.82			
15.0	327.70	-59.79				45.0	326.78	-59.76			
18.0	327.85	-59.72				48.0	327.63	-59.77			
21.0	328.00	-59.71				51.0	327.40	-59.73			
24.0	327.48	-59.80				54.0	327.42	-59.66			
27.0	327.79	-59.79				57.0	327.48	-59.65			
30.0	328.37	-59.55				60.0	328.15	-59.72			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
63.0	327.89	-59.73			
66.0	328.73	-59.71			
72.0	326.07	-59.70			
75.0	327.11	-59.66			
78.0	328.35	-59.64			
81.0	326.78	-59.64			
90.0	327.11	-59.64			
93.0	327.57	-59.62			
96.0	327.81	-59.68			
99.0	327.90	-59.61			
102.0	328.09	-59.60			
105.0	328.11	-59.53			
108.0	328.18	-59.48			
111.0	328.07	-59.55			
114.0	328.10	-59.55			
117.0	327.79	-59.52			
120.0	327.95	-59.53			
123.0	327.91	-59.46			
126.0	327.92	-59.46			
129.0	328.04	-59.51			
132.0	328.01	-59.54			
135.0	327.96	-59.58			
138.0	328.07	-59.58			
141.0	328.10	-59.54			
144.0	328.10	-59.53			
147.0	328.03	-59.51			
150.0	328.07	-59.53			
153.0	328.07	-59.46			
156.0	328.08	-59.39			
159.0	328.07	-59.47			
162.0	328.06	-59.44			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
165.0	328.18	-59.44			
168.0	327.97	-59.39			
171.0	328.12	-59.32			
174.0	328.05	-59.32			
177.0	328.08	-59.25			
180.0	328.05	-59.23			
183.0	328.14	-59.21			
186.0	328.43	-59.20			
189.0	327.45	-59.23			
192.0	327.85	-59.14			
195.0	328.06	-59.15			
198.0	328.23	-59.16			
201.0	328.16	-59.18			
204.0	328.57	-59.14			
207.0	328.19	-59.16			
210.0	327.93	-59.16			
213.0	328.40	-59.17			
216.0	328.37	-59.17			
219.0	328.37	-59.16			
222.0	327.93	-59.14			
225.0	327.64	-59.12			
228.0	327.74	-59.10			
231.0	327.59	-59.07			
234.0	327.41	-59.11			
237.0	327.78	-59.06			
240.0	327.65	-59.03			
243.0	327.49	-59.03			
246.0	327.87	-59.04			
249.0	328.26	-58.98			
250.0	329.03	-59.02			
252.0	327.61	-58.97			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
255.0	327.37	-58.96			
258.0	328.23	-58.87			
261.0	328.10	-58.90			
264.0	327.47	-58.93			
267.0	328.27	-58.87			
270.0	327.33	-58.85			
273.0	327.73	-58.86			
276.0	327.62	-58.88			
279.0	328.01	-58.82			
282.0	327.58	-58.88			
285.0	327.29	-58.83			
288.0	327.24	-58.77			
291.0	327.30	-58.78			
294.0	327.42	-58.70			
297.0	327.59	-58.67			
300.0	327.57	-58.69			
303.0	327.54	-58.60			
306.0	327.51	-58.59			
309.0	327.52	-58.60			
312.0	327.64	-58.56			
315.0	327.45	-58.52			
318.0	327.70	-58.47			
321.0	327.59	-58.41			
324.0	327.51	-58.37			
327.0	327.72	-58.36			
330.0	327.74	-58.34			
333.0	327.43	-58.28			
336.0	328.11	-58.30			
339.0	327.90	-58.25			
342.0	327.78	-58.25			
345.0	327.81	-58.25			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
348.0	327.83	-58.24			
351.0	327.75	-58.24			
354.0	327.78	-58.18			
357.0	327.72	-58.17			
360.0	327.74	-58.18			
363.0	327.78	-58.13			
366.0	327.77	-58.11			
369.0	327.77	-58.13			
372.0	328.10	-58.03			
375.0	328.16	-58.02			
378.0	328.10	-58.02			
381.0	328.18	-57.95			
384.0	328.16	-57.91			
387.0	328.07	-57.90			
390.0	328.02	-57.93			
393.0	327.97	-57.95			
396.0	327.78	-57.93			
399.0	327.76	-57.86			
402.0	327.63	-57.85			
405.0	328.81	-57.77			
408.0	328.93	-57.77			
411.0	329.18	-57.73			
414.0	329.15	-57.71			
417.0	328.92	-57.71			
420.0	328.94	-57.77			
423.0	328.99	-57.73			
426.0	328.89	-57.78			
429.0	329.29	-57.77			
432.0	329.07	-57.74			
435.0	329.05	-57.73			

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>0.00</b>	<b>14.21</b>	<b>Overburden</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	14.21	14.21			Unaltered		

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>14.21</b>	<b>34.19</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
14.21	15.00	0.79	256467	0.685	Sericitic alteration	1%	medium grained, massive, light grey
15.00	16.00	1.00	256468	0.189	Sericitic alteration	1%	
16.00	17.00	1.00	256469	0.338	Sericitic alteration	2%	
17.00	18.00	1.00	256471	0.215	Sericitic alteration	1%	
18.00	19.00	1.00	256473	0.097	Sericitic alteration	1%	
19.00	20.00	1.00	256474	0.079	Sericitic alteration	2%	
20.00	21.00	1.00	256475	0.094	Sericitic alteration	2%	
21.00	22.00	1.00	256476	0.033	Sericitic alteration	4%	
22.00	23.00	1.00	256477	0.044	Sericitic alteration	3%	
23.00	24.00	1.00	256478	0.116	Sericitic alteration	3%	
24.00	25.00	1.00	256479	0.043	Sericitic alteration	1%	
25.00	26.00	1.00	256480	0.036	Sericitic alteration	3%	
26.00	27.00	1.00	256481	0.161	Sericitic alteration	2%	
27.00	28.00	1.00	256482	0.475	Sericitic alteration	2%	
28.00	29.02	1.02	256483	0.448	Sericitic alteration	8%	
29.02	30.00	0.98	256485	0.318	Sericitic alteration	2%	
30.00	31.00	1.00	256486	0.189	Sericitic alteration	6%	
31.00	32.00	1.00	256487	1.379	Sericitic alteration	2%	
32.00	33.00	1.00	256488	1.900	Sericitic alteration	3%	
33.00	34.19	1.19	256489	0.173	Sericitic alteration	7%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>34.19</b>	<b>35.00</b>	<b>Mafic Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
34.19	35.00	0.81	256491	0.262	Biotitic alteration	40%	fine grained, massive, dark grey

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>35.00</b>	<b>41.08</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
35.00	36.00	1.00	256492	0.005	Sericitic alteration	85%	large quartz vein
36.00	37.00	1.00	256493	0.259	Sericitic alteration	11%	medium grained, foliated, medium grey
37.00	37.91	0.91	256494	0.616	Sericitic alteration	4%	

37.91	39.00	1.09	256495	0.220	Sericitic alteration	6%	light grey
39.00	40.00	1.00	256497	0.292	Sericitic alteration	3%	
40.00	41.08	1.08	256498	1.500	Sericitic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>41.08</b>	<b>44.58</b>	<b>Diabase</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
41.08	42.00	0.92	260994	0.010	Epidote alteration	0%	fine grained, plag phyrlic, dark grey
42.00	43.00	1.00	260995	0.008	Epidote alteration	0%	
43.00	44.00	1.00	260997	0.006	Epidote alteration	0%	
44.00	44.58	0.58	260998	0.011	Epidote alteration	0%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>44.58</b>	<b>72.65</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
44.58	46.00	1.42	256499	1.091	Silicified	2%	medium grained, massive, light grey
46.00	47.00	1.00	256500	0.161	Silicified	2%	
47.00	48.00	1.00	1083451	0.350	Silicified	2%	
48.00	49.14	1.14	1083452	0.319	Silicified	7%	
49.14	50.00	0.86	1083453	0.240	Silicified	4%	
50.00	51.00	1.00	1083454	0.261	Silicified	2%	
51.00	51.96	0.96	1083455	0.504	Silicified	3%	
51.96	53.00	1.04	1083456	0.065	Sericitic alteration	8%	
53.00	54.00	1.00	1083457	0.670	Silicified	2%	
54.00	55.00	1.00	1083458	0.289	Silicified	2%	
55.00	56.00	1.00	1083459	0.463	Silicified	2%	
56.00	57.00	1.00	1083461	0.183	Silicified	15%	VG in vein at 56.25m
57.00	58.00	1.00	1083463	0.115	Sericitic alteration	3%	
58.00	59.00	1.00	1083464	0.892	Silicified	4%	10 cm diorite dyke
59.00	60.00	1.00	1083465	0.236	Sericitic alteration	2%	
60.00	61.00	1.00	1083466	0.577	Sericitic alteration	3%	
61.00	62.00	1.00	1083467	0.222	Sericitic alteration	4%	
62.00	63.00	1.00	1083468	0.109	Silicified	1%	
63.00	64.06	1.06	1083469	0.322	Sericitic alteration	6%	
64.06	65.00	0.94	1083471	0.218	Silicified	1%	
65.00	66.00	1.00	1083473	0.500	Silicified	1%	
66.00	67.00	1.00	1083474	0.296	Sericitic alteration	2%	
67.00	67.81	0.81	1083475	0.621	Sericitic alteration	1%	
67.81	69.00	1.19	1083476	0.035	Sericitic alteration	12%	
69.00	70.00	1.00	1083477	0.018	Sericitic alteration	1%	
70.00	71.00	1.00	1083478	0.008	Sericitic alteration	1%	
71.00	72.00	1.00	1083479	0.057	Sericitic alteration	1%	
72.00	72.65	0.65	1083480	0.037	Silicified	2%	



<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>72.65</b>	<b>88.34</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
72.65	74.00	1.35	1083481	0.030	Chloritic alteration	2%	Medium to coarse grained, massive, dark greenish grey, epidote alt. halo
74.00	75.00	1.00	1083482	0.053	Chloritic alteration	2%	less felsic minerals
75.00	76.27	1.27	1083483	0.009	Chloritic alteration	1%	Chilled contact with felsic mineral rich band.
76.27	77.00	0.73	1083485	0.005	Chloritic alteration	2%	coarser grained.
77.00	78.00	1.00	1083486	0.005	Chloritic alteration	5%	epidote alteration of feldspar grains.
78.00	79.00	1.00	1083487	0.005	Chloritic alteration	0%	
79.00	79.96	0.96	1083488	0.005	Chloritic alteration	2%	
79.96	81.00	1.04	1083489	0.005	Epidote alteration	2%	
81.00	82.00	1.00	1083491	0.005	Chloritic alteration	1%	
82.00	83.00	1.00	1083492	0.005	Chloritic alteration	1%	
83.00	84.00	1.00	1083493	0.041	Chloritic alteration	1%	
84.00	85.02	1.02	1083494	0.015	Biotitic alteration	4%	Bands of felsic mineral dominated Diorite
85.02	86.00	0.98	1083495	0.005	Biotitic alteration	0%	
86.00	87.00	1.00	1083497	0.158	Chloritic alteration	1%	
87.00	88.34	1.34	1083498	0.030	Chloritic alteration	4%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>88.34</b>	<b>90.00</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
88.34	89.00	0.66	1083499	0.391	Chloritic alteration	1%	Fine to medium grained, massive, dark greenish grey, little to no quartz-feldspar clusters
89.00	90.00	1.00	1083500	0.005	Chloritic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>90.00</b>	<b>91.00</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
90.00	91.00	1.00	1081501	0.005	Chloritic alteration	1%	Gradual change in mineralogy to QDR, quartz clots
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>91.00</b>	<b>91.62</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
91.00	91.62	0.62	1081502	0.005	Chloritic alteration	2%	No quartz clots
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>91.62</b>	<b>92.21</b>	<b>Tonalite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

91.62	92.21	0.59	1081503	0.005	Sericitic alteration	4%	Medium grained, massive, light grey, 5% diorite frags and 95% tonalite matrix
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>92.21</b>	<b>93.27</b>		<b>Diabase</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
92.21	93.27	1.06	1081504	0.005	Epidote alteration	0%	fine grained, massive, alt. of feldspar grains.
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>93.27</b>	<b>94.16</b>		<b>Tonalite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
93.27	94.16	0.89	1081505	0.005	Silicified	1%	medium, grained, massive, light grey, 5% diorite frags and 95% tonalite matrix
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>94.16</b>	<b>96.00</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
94.16	95.00	0.84	1081506	0.005	Chloritic alteration	2%	medium to coarse grained, massivem medium greenish grey
95.00	96.00	1.00	1081507	0.005	Chloritic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>96.00</b>	<b>97.59</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
96.00	97.00	1.00	1081508	0.005	Chloritic alteration	0%	quartz clusters
97.00	97.59	0.59	1081509	0.005	Chloritic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>97.59</b>	<b>99.17</b>		<b>Diabase</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
97.59	99.17	1.58	1081511	0.005	Epidote alteration	0%	Magnetic, fine grained, massive, chilled contact, dark grey
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>99.17</b>	<b>101.19</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
99.17	100.00	0.83	1081513	0.005	Chloritic alteration	1%	
100.00	101.19	1.19	1081514	0.005	Chloritic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>101.19</b>	<b>102.00</b>		<b>Tonalite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
101.19	102.00	0.81	1081515	0.005	Silicified	1%	few small fragments of diorite in Tonalite, medium grained, massive
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>102.00</b>	<b>105.10</b>		<b>Diabase</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

102.00	103.00	1.00	1081516	0.005	Epidote alteration	0%	fine grained, massive, dark grey, chilled margin at contact
103.00	104.00	1.00	1081517	0.005	Epidote alteration	0%	
104.00	105.10	1.10	1081518	0.008	Epidote alteration	0%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>105.10</b>	<b>167.10</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
105.10	106.00	0.90	1081519	0.005	Sericitic alteration	15%	Medium grained, massive, light grey, few small dr frags
106.00	107.00	1.00	1081520	0.009	Sericitic alteration	2%	
107.00	108.00	1.00	1081521	0.018	Sericitic alteration	12%	
108.00	109.00	1.00	1081522	0.031	Sericitic alteration	2%	
109.00	110.45	1.45	1081523	0.046	Sericitic alteration	4%	
110.45	111.00	0.55	1081525	0.060	Silicified	1%	
111.00	112.15	1.15	1081526	0.107	Sericitic alteration	4%	
112.15	113.08	0.93	1081527	0.142	Sericitic alteration	1%	
113.08	114.00	0.92	1081528	0.029	Sericitic alteration	6%	
114.00	115.00	1.00	1081529	0.320	Sericitic alteration	1%	
115.00	115.63	0.63	1081531	0.110	Sericitic alteration	6%	
115.63	117.00	1.37	1081532	0.115	Sericitic alteration	3%	
117.00	118.00	1.00	1081533	0.014	Sericitic alteration	1%	
118.00	118.63	0.63	1081534	0.047	Sericitic alteration	2%	
118.63	119.46	0.83	1081535	0.141	Sericitic alteration	4%	
119.46	120.00	0.54	1081537	0.188	Silicified	4%	
120.00	121.00	1.00	1081538	0.141	Silicified	3%	strong Sil alt halo
121.00	122.00	1.00	1081539	0.038	Sericitic alteration	2%	
122.00	123.00	1.00	1081540	0.052	Sericitic alteration	2%	
123.00	124.00	1.00	1081541	0.077	Sericitic alteration	3%	
124.00	125.00	1.00	1081542	0.603	Silicified	2%	
125.00	126.00	1.00	1081543	0.188	Sericitic alteration	2%	
126.00	127.00	1.00	1081544	0.325	Silicified	5%	
127.00	128.00	1.00	1081545	0.355	Sericitic alteration	4%	
128.00	129.00	1.00	1081546	0.014	Sericitic alteration	3%	
129.00	130.00	1.00	1081547	0.034	Sericitic alteration	2%	
130.00	131.00	1.00	1081549	0.060	Sericitic alteration	3%	
131.00	132.00	1.00	1081551	0.046	Sericitic alteration	1%	
132.00	133.00	1.00	1081552	0.068	Sericitic alteration	2%	
133.00	134.00	1.00	1081553	0.058	Sericitic alteration	1%	
134.00	135.00	1.00	1081554	0.010	Sericitic alteration	12%	
135.00	136.00	1.00	1081555	0.082	Sericitic alteration	4%	
136.00	137.00	1.00	1081556	0.059	Sericitic alteration	1%	
137.00	138.00	1.00	1081557	0.011	Sericitic alteration	3%	x laurent from here
138.00	139.00	1.00	1081558	0.085	Sericitic alteration	2%	x

139.00	140.00	1.00	1081559	0.031	Sericitic alteration	2%	x
140.00	141.00	1.00	1081561	0.010	Sericitic alteration	2%	x
141.00	142.00	1.00	1081562	0.035	Sericitic alteration	1%	x
142.00	143.00	1.00	1081563	0.015	Sericitic alteration	3%	x
143.00	144.00	1.00	1081564	0.116	Sericitic alteration	4%	x
144.00	145.00	1.00	1081565	0.022	Sericitic alteration	3%	x
145.00	146.00	1.00	1081566	0.007	Sericitic alteration	3%	x
146.00	147.00	1.00	1081567	0.006	Sericitic alteration	2%	x
147.00	148.00	1.00	1081568	0.005	Sericitic alteration	1%	x
148.00	149.00	1.00	1081569	0.098	Sericitic alteration	2%	x
149.00	150.00	1.00	1081571	0.082	Sericitic alteration	4%	x
150.00	151.00	1.00	1081573	0.222	Sericitic alteration	3%	x bc
151.00	152.00	1.00	1081574	0.077	Sericitic alteration	2%	x
152.00	153.00	1.00	1081575	0.069	Sericitic alteration	2%	x
153.00	154.00	1.00	1081576	0.027	Sericitic alteration	2%	x
154.00	155.00	1.00	1081577	0.032	Sericitic alteration	3%	x
155.00	156.00	1.00	1081578	0.036	Sericitic alteration	2%	x
156.00	157.00	1.00	1081579	0.057	Sericitic alteration	4%	x
157.00	158.00	1.00	1081580	0.131	Sericitic alteration	6%	x
158.00	159.00	1.00	1081581	0.176	Sericitic alteration	2%	x
159.00	160.00	1.00	1081582	0.076	Sericitic alteration	2%	x
160.00	161.00	1.00	1081583	0.085	Sericitic alteration	3%	x
161.00	162.00	1.00	1081585	0.185	Sericitic alteration	3%	x
162.00	163.00	1.00	1081586	0.020	Sericitic alteration	2%	x
163.00	164.00	1.00	1081587	0.091	Silicified	2%	x
164.00	165.00	1.00	1081588	0.078	Silicified	1%	x
165.00	166.00	1.00	1081589	0.022	Silicified	1%	x
166.00	167.10	1.10	1081591	0.172	Silicified	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>167.10</b>	<b>167.60</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
167.10	167.60	0.50	1081592	0.007	Unaltered	10%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>167.60</b>	<b>254.70</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
167.60	169.00	1.40	1081593	0.084	Silicified	3%	x
169.00	170.00	1.00	1081594	0.034	Silicified	3%	x
170.00	171.00	1.00	1081595	0.009	Silicified	2%	x
171.00	172.00	1.00	1081597	0.040	Silicified	2%	x
172.00	173.00	1.00	1081598	0.030	Sericitic alteration	2%	x
173.00	174.00	1.00	1081599	0.045	Sericitic alteration	2%	x
174.00	175.00	1.00	1081600	0.031	Sericitic alteration	2%	x

175.00	176.00	1.00	1081601	0.013	Sericitic alteration	3%	x
176.00	177.00	1.00	1081602	0.009	Sericitic alteration	4%	x
177.00	178.00	1.00	1081603	0.005	Sericitic alteration	8%	x
178.00	179.00	1.00	1081604	0.009	Sericitic alteration	2%	x
179.00	180.00	1.00	1081605	0.005	Sericitic alteration	5%	x
180.00	181.00	1.00	1081606	0.038	Sericitic alteration	4%	x
181.00	182.00	1.00	1081607	0.053	Sericitic alteration	4%	x
182.00	183.00	1.00	1081608	0.057	Sericitic alteration	5%	x
183.00	184.00	1.00	1081609	0.133	Sericitic alteration	7%	x
184.00	185.00	1.00	1081611	0.045	Sericitic alteration	3%	x
185.00	186.00	1.00	1081613	0.092	Sericitic alteration	3%	x
186.00	187.00	1.00	1081614	0.035	Sericitic alteration	3%	x
187.00	188.00	1.00	1081615	0.177	Sericitic alteration	3%	x
188.00	189.00	1.00	1081616	0.074	Sericitic alteration	3%	x
189.00	190.00	1.00	1081617	0.090	Silicified	2%	x
190.00	191.00	1.00	1081618	0.105	Silicified	2%	x
191.00	192.00	1.00	1081619	0.121	Silicified	2%	x
192.00	193.00	1.00	1081620	0.143	Silicified	3%	x
193.00	194.00	1.00	1081621	0.156	Silicified	2%	x
194.00	195.00	1.00	1081622	0.046	Silicified	2%	x
195.00	196.00	1.00	1081623	0.039	Silicified	2%	x
196.00	197.00	1.00	1081625	0.063	Silicified	3%	x
197.00	198.00	1.00	1081626	0.049	Silicified	5%	x
198.00	199.00	1.00	1081627	0.036	Silicified	3%	x
199.00	200.00	1.00	1081628	0.075	Silicified	2%	x
200.00	201.00	1.00	1081629	0.135	Silicified	5%	x
201.00	202.00	1.00	1081631	0.123	Silicified	2%	x
202.00	203.00	1.00	1081632	0.130	Silicified	2%	x
203.00	204.00	1.00	1081633	0.127	Silicified	2%	x
204.00	204.90	0.90	1081634	0.075	Silicified	2%	x
204.90	206.00	1.10	1081635	0.032	Sericitic alteration	3%	x
206.00	207.00	1.00	1081637	0.387	Sericitic alteration	3%	x
207.00	208.00	1.00	1081638	2.391	Sericitic alteration	3%	x
208.00	209.00	1.00	1081639	0.069	Sericitic alteration	3%	x
209.00	210.00	1.00	1081640	0.094	Sericitic alteration	3%	x
210.00	211.00	1.00	1081641	0.014	Sericitic alteration	5%	x
211.00	212.00	1.00	1081642	0.049	Sericitic alteration	3%	x
212.00	213.00	1.00	1081643	0.071	Sericitic alteration	3%	x
213.00	214.00	1.00	1081644	0.431	Sericitic alteration	3%	x
214.00	215.00	1.00	1081645	2.096	Sericitic alteration	5%	x
215.00	216.00	1.00	1081646	0.056	Sericitic alteration	10%	x
216.00	217.00	1.00	1081647	0.629	Sericitic alteration	70%	x

217.00	218.00	1.00	1081649	0.062	Sericitic alteration	10%	x
218.00	219.00	1.00	1081651	0.086	Sericitic alteration	5%	x
219.00	220.00	1.00	1081652	0.166	Sericitic alteration	3%	x
220.00	221.00	1.00	1081653	0.096	Silicified	3%	x
221.00	222.00	1.00	1081654	0.094	Silicified	3%	x
222.00	223.00	1.00	1081655	0.090	Silicified	3%	x
223.00	224.00	1.00	1081656	0.005	Silicified	3%	x
224.00	225.00	1.00	1081657	0.005	Silicified	3%	x
225.00	226.00	1.00	1081658	0.013	Silicified	2%	x
226.00	227.00	1.00	1081659	1.225	Silicified	4%	x
227.00	228.00	1.00	1081661	0.205	Silicified	3%	x
228.00	229.00	1.00	1081662	0.100	Silicified	2%	x
229.00	230.00	1.00	1081663	0.036	Silicified	3%	x
230.00	231.00	1.00	1081664	0.005	Silicified	5%	x
231.00	232.00	1.00	1081665	0.185	Silicified	3%	x
232.00	233.00	1.00	1081666	0.072	Silicified	6%	x
233.00	234.00	1.00	1081667	0.036	Silicified	1%	x
234.00	235.00	1.00	1081668	0.483	Silicified	1%	x
235.00	236.00	1.00	1081669	0.910	Silicified	20%	x
236.00	237.00	1.00	1081671	0.005	Silicified	30%	x
237.00	238.00	1.00	1081673	2.278	Silicified	15%	x
238.00	239.00	1.00	1081674	0.565	Silicified	7%	x
239.00	240.00	1.00	1081675	0.562	Silicified	12%	x
240.00	241.00	1.00	1081676	0.182	Silicified	8%	x
241.00	242.00	1.00	1081677	0.136	Silicified	2%	x
242.00	243.00	1.00	1081678	0.130	Silicified	2%	x
243.00	244.00	1.00	1081679	0.085	Silicified	2%	x
244.00	245.00	1.00	1081680	0.099	Silicified	2%	x
245.00	246.00	1.00	1081681	0.128	Silicified	2%	x
246.00	247.00	1.00	1081682	0.086	Sericitic alteration	2%	x
247.00	248.00	1.00	1081683	0.017	Silicified	2%	x
248.00	249.00	1.00	1081685	0.052	Silicified	2%	x
249.00	250.00	1.00	1081686	0.049	Silicified	2%	x
250.00	251.00	1.00	1081687	0.369	Silicified	2%	x
251.00	252.00	1.00	1081688	0.115	Silicified	1%	x
252.00	253.00	1.00	1081689	0.136	Silicified	3%	x
253.00	254.00	1.00	1081691	0.556	Silicified	2%	x
254.00	254.70	0.70	1081692	1.185	Silicified	2%	x

From	To	Lithologic Group	
254.70	259.10	Lamprophyre Dyke	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
254.70	256.00	1.30	1081693	0.017	Unaltered	0%	x

256.00	257.00	1.00	1081694	0.009	Unaltered	0%	x
257.00	258.00	1.00	1081695	0.005	Unaltered	0%	x
258.00	259.10	1.10	1081697	0.012	Unaltered	0%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>259.10</b>	<b>355.50</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
259.10	260.00	0.90	1081698	0.542	Sericitic alteration	2%	x
260.00	261.00	1.00	1081699	0.308	Sericitic alteration	3%	x
261.00	262.00	1.00	1081700	0.207	Sericitic alteration	1%	x
262.00	263.00	1.00	1081701	0.142	Sericitic alteration	2%	x
263.00	264.00	1.00	1081702	0.043	Sericitic alteration	2%	x
264.00	265.00	1.00	1081703	0.039	Sericitic alteration	3%	x
265.00	266.00	1.00	1081704	0.029	Sericitic alteration	2%	x
266.00	267.00	1.00	1081705	0.145	Sericitic alteration	2%	x
267.00	268.00	1.00	1081706	0.228	Sericitic alteration	3%	x
268.00	269.00	1.00	1081707	0.014	Sericitic alteration	2%	x
269.00	270.00	1.00	1081708	0.038	Sericitic alteration	2%	x
270.00	271.00	1.00	1081709	0.100	Sericitic alteration	3%	x
271.00	272.00	1.00	1081711	0.097	Sericitic alteration	2%	x
272.00	273.00	1.00	1081713	0.063	Sericitic alteration	2%	x
273.00	274.00	1.00	1081714	0.297	Sericitic alteration	3%	x
274.00	275.00	1.00	1081715	0.095	Sericitic alteration	3%	x
275.00	276.00	1.00	1081716	0.074	Sericitic alteration	2%	x
276.00	277.00	1.00	1081717	0.012	Sericitic alteration	1%	x
277.00	278.00	1.00	1081718	0.027	Sericitic alteration	1%	x
278.00	279.00	1.00	1081719	0.149	Sericitic alteration	1%	x
279.00	280.00	1.00	1081720	2.140	Sericitic alteration	15%	x
280.00	281.00	1.00	1081721	3.640	Sericitic alteration	7%	x
281.00	282.00	1.00	1081722	0.168	Sericitic alteration	2%	x
282.00	283.00	1.00	1081723	0.073	Sericitic alteration	2%	x
283.00	284.00	1.00	1081725	0.075	Silicified	2%	x
284.00	285.00	1.00	1081726	0.054	Silicified	8%	x
285.00	286.00	1.00	1081727	0.017	Silicified	4%	x
286.00	287.00	1.00	1081728	0.113	Sericitic alteration	2%	x
287.00	288.00	1.00	1081729	0.172	Sericitic alteration	3%	x
288.00	289.00	1.00	1081731	0.023	Sericitic alteration	4%	x
289.00	290.00	1.00	1081732	0.017	Sericitic alteration	2%	x
290.00	291.00	1.00	1081733	0.035	Sericitic alteration	2%	x
291.00	292.00	1.00	1081734	0.075	Sericitic alteration	2%	x
292.00	293.00	1.00	1081735	0.039	Sericitic alteration	2%	x
293.00	294.00	1.00	1081737	0.025	Sericitic alteration	4%	x
294.00	295.00	1.00	1081738	0.008	Sericitic alteration	4%	x

295.00	296.00	1.00	1081739	0.007	Sericitic alteration	3%	x
296.00	297.00	1.00	1081740	0.020	Sericitic alteration	5%	x
297.00	298.00	1.00	1081741	0.057	Sericitic alteration	3%	x
298.00	299.00	1.00	1081742	0.092	Sericitic alteration	4%	x
299.00	300.00	1.00	1081743	0.188	Sericitic alteration	5%	x
300.00	301.00	1.00	1081744	0.013	Sericitic alteration	6%	x
301.00	302.00	1.00	1081745	0.016	Silicified	4%	x
302.00	303.00	1.00	1081746	0.023	Silicified	4%	x
303.00	304.00	1.00	1081747	0.008	Silicified	2%	x
304.00	305.00	1.00	1081749	0.015	Sericitic alteration	6%	x
305.00	306.00	1.00	1081751	0.026	Silicified	2%	x
306.00	307.00	1.00	1081752	0.024	Sericitic alteration	3%	x
307.00	308.00	1.00	1081753	2.273	Sericitic alteration	3%	x
308.00	309.00	1.00	1081754	0.151	Silicified	2%	x
309.00	310.00	1.00	1081755	0.025	Silicified	2%	x
310.00	311.00	1.00	1081756	0.016	Sericitic alteration	2%	x
311.00	312.00	1.00	1081757	0.014	Silicified	5%	x
312.00	313.00	1.00	1081758	0.158	Silicified	3%	x
313.00	314.00	1.00	1081759	0.112	Sericitic alteration	6%	x
314.00	315.00	1.00	1081761	0.191	Sericitic alteration	4%	x
315.00	316.00	1.00	1081762	0.450	Silicified	3%	x
316.00	317.00	1.00	1081763	0.247	Silicified	6%	x
317.00	318.00	1.00	1081764	0.052	Silicified	4%	x
318.00	319.00	1.00	1081765	0.103	Silicified	1%	x
319.00	320.00	1.00	1081766	0.023	Silicified	3%	x
320.00	321.00	1.00	1081767	0.032	Silicified	1%	x
321.00	322.00	1.00	1081768	0.089	Silicified	3%	x
322.00	323.00	1.00	1081769	0.029	Silicified	2%	x
323.00	324.00	1.00	1081771	0.136	Silicified	4%	x
324.00	325.00	1.00	1081773	0.067	Silicified	2%	x
325.00	326.00	1.00	1081774	0.033	Silicified	5%	x
326.00	327.00	1.00	1081775	0.060	Silicified	2%	x
327.00	328.00	1.00	1081776	0.068	Silicified	1%	x
328.00	329.00	1.00	1081777	0.125	Silicified	2%	x
329.00	330.00	1.00	1081778	0.029	Silicified	1%	x
330.00	331.00	1.00	1081779	0.017	Silicified	3%	Caitlin from here to EOH Caitlin from here to EOH
331.00	332.34	1.34	1081780	0.076	Silicified	2%	
332.34	333.33	0.99	1081781	0.103	Sericitic alteration	1%	
333.33	334.00	0.67	1081782	0.005	Silicified	2%	
334.00	335.00	1.00	1081783	0.074	Silicified	1%	
335.00	336.00	1.00	1081785	0.085	Silicified	2%	
336.00	337.00	1.00	1081786	0.045	Silicified	2%	



337.00	338.00	1.00	1081787	0.412	Sericitic alteration	2%
338.00	339.00	1.00	1081788	0.154	Sericitic alteration	1%
339.00	340.00	1.00	1081789	0.109	Sericitic alteration	1%
340.00	341.00	1.00	1081791	0.036	Sericitic alteration	1%
341.00	342.00	1.00	1081792	0.069	Sericitic alteration	2%
342.00	343.00	1.00	1081793	0.019	Sericitic alteration	1%
343.00	344.00	1.00	1081794	0.048	Sericitic alteration	1%
344.00	345.00	1.00	1081795	0.090	Sericitic alteration	5%
345.00	346.00	1.00	1081797	0.131	Sericitic alteration	1%
346.00	347.00	1.00	1081798	0.111	Sericitic alteration	1%
347.00	348.00	1.00	1081799	0.096	Sericitic alteration	2%
348.00	349.00	1.00	1081800	1.694	Sericitic alteration	2%
349.00	350.00	1.00	1081801	0.113	Silicified	4%
350.00	351.00	1.00	1081802	0.130	Silicified	2%
351.00	352.00	1.00	1081803	0.054	Silicified	6%
352.00	353.00	1.00	1081804	0.135	Silicified	1%
353.00	354.00	1.00	1081805	0.079	Sericitic alteration	1%
354.00	355.50	1.50	1081806	0.133	Sericitic alteration	2%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>355.50</b>	<b>361.16</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
355.50	357.00	1.50	1081807	0.447	Unaltered	5%	
357.00	358.50	1.50	1081808	1.075	Unaltered	5%	
358.50	360.00	1.50	1081809	4.310	Unaltered	7%	
360.00	361.16	1.16	1081811	0.092	Unaltered	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>361.16</b>	<b>368.81</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
361.16	362.00	0.84	1081813	0.470	Sericitic alteration	1%	
362.00	363.10	1.10	1081814	0.335	Sericitic alteration	1%	
363.10	364.00	0.90	1081815	0.706	Sericitic alteration	1%	
364.00	365.00	1.00	1081816	1.020	Sericitic alteration	2%	
365.00	366.00	1.00	1081817	0.368	Sericitic alteration	2%	
366.00	367.00	1.00	1081818	0.341	Sericitic alteration	1%	
367.00	368.00	1.00	1081819	0.420	Sericitic alteration	1%	
368.00	368.81	0.81	1081820	0.370	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>368.81</b>	<b>369.36</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
368.81	369.36	0.55	1081821	0.558	Biotitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>369.36</b>	<b>380.46</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
369.36	370.00	0.64	1081822	0.199	Sericitic alteration	1%	
370.00	371.00	1.00	1081823	1.181	Sericitic alteration	1%	20% mafic dyke
371.00	372.00	1.00	1081825	0.565	Sericitic alteration	1%	
372.00	373.00	1.00	1081826	0.093	Sericitic alteration	3%	
373.00	374.15	1.15	1081827	0.328	Sericitic alteration	3%	
374.15	375.00	0.85	1081828	0.096	Silicified	25%	
375.00	376.00	1.00	1081829	0.252	Silicified	5%	
376.00	377.00	1.00	1081831	0.270	Silicified	5%	
377.00	378.00	1.00	1081832	0.214	Silicified	3%	
378.00	379.00	1.00	1081833	0.169	Silicified	1%	
379.00	380.46	1.46	1081834	0.810	Silicified	10%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>380.46</b>	<b>382.10</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
380.46	381.00	0.54	1081835	0.005	Biotitic alteration	1%	
381.00	382.10	1.10	1081837	0.008	Biotitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>382.10</b>	<b>407.13</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
382.10	383.00	0.90	1081838	0.132	Silicified	1%	
383.00	384.00	1.00	1081840	0.166	Silicified	3%	
384.00	385.00	1.00	1081841	1.240	Silicified	1%	
385.00	386.00	1.00	1081842	0.428	Silicified	1%	
386.00	387.00	1.00	1081843	0.073	Silicified	1%	
387.00	388.00	1.00	1081844	0.435	Sericitic alteration	2%	
388.00	389.00	1.00	1081845	1.686	Sericitic alteration	1%	
389.00	390.00	1.00	1081846	0.428	Sericitic alteration	3%	
390.00	391.00	1.00	1081847	0.198	Sericitic alteration	3%	
391.00	392.00	1.00	1081849	0.033	Sericitic alteration	2%	
392.00	393.50	1.50	1081851	0.122	Sericitic alteration	1%	
393.50	395.00	1.50	1081852	0.148	Silicified	3%	
395.00	396.00	1.00	1081853	0.113	Silicified	1%	
396.00	397.00	1.00	1081854	0.088	Silicified	1%	
397.00	398.00	1.00	1081855	0.060	Silicified	2%	
398.00	399.00	1.00	1081856	0.054	Silicified	3%	
399.00	400.00	1.00	1081857	0.234	Silicified	4%	
400.00	401.00	1.00	1081858	0.506	Silicified	9%	
401.00	402.00	1.00	1081859	0.559	Silicified	2%	
402.00	403.00	1.00	1081861	0.591	Silicified	1%	

403.00	404.05	1.05	1081862	0.047	Silicified	2%	
404.05	405.00	0.95	1081863	0.241	Silicified	1%	
405.00	406.05	1.05	1081864	0.250	Silicified	3%	
406.05	407.13	1.08	1081865	1.395	Silicified	5%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>407.13</b>	<b>408.50</b>		<b>Diabase</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
407.13	408.50	1.37	1081866	0.005	Epidote alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>408.50</b>	<b>417.36</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
408.50	410.00	1.50	1081867	0.122	Silicified	1%	
410.00	411.00	1.00	1081868	0.353	Silicified	1%	
411.00	412.00	1.00	1081869	0.371	Silicified	3%	
412.00	413.00	1.00	1081871	3.370	Silicified	1%	
413.00	414.00	1.00	1081873	0.303	Silicified	2%	
414.00	415.00	1.00	1081874	0.059	Silicified	2%	
415.00	416.00	1.00	1081875	0.446	Sericitic alteration	1%	
416.00	417.36	1.36	1081876	0.314	Silicified	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>417.36</b>	<b>418.00</b>		<b>Mafic Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
417.36	418.00	0.64	1081877	0.143	Chloritic alteration	8%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>418.00</b>	<b>428.85</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
418.00	419.00	1.00	1081878	0.301	Silicified	2%	
419.00	420.00	1.00	1081879	0.394	Silicified	2%	
420.00	421.00	1.00	1081880	0.052	Silicified	1%	
421.00	422.00	1.00	1081881	0.269	Silicified	2%	
422.00	423.00	1.00	1081882	0.124	Silicified	4%	
423.00	424.00	1.00	1081883	1.012	Silicified	3%	
424.00	425.00	1.00	1081885	0.030	Silicified	1%	
425.00	426.00	1.00	1081886	0.744	Silicified	1%	
426.00	427.00	1.00	1081887	0.055	Sericitic alteration	1%	
427.00	428.00	1.00	1081888	0.161	Sericitic alteration	2%	
428.00	428.85	0.85	1081889	0.399	Sericitic alteration	6%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>428.85</b>	<b>429.59</b>		<b>Mafic Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
428.85	429.59	0.74	1081891	0.005	Epidote alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>429.59</b>	<b>430.64</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
429.59	430.64	1.05	1081892	0.636	Silicified	6%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>430.64</b>	<b>431.24</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
430.64	431.24	0.60	1081893	0.017	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>431.24</b>	<b>437.28</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
431.24	432.00	0.76	1081894	0.083	Silicified	3%	
432.00	433.00	1.00	1081895	17.000	Silicified	1%	
433.00	434.00	1.00	1081897	0.338	Silicified	1%	
434.00	435.00	1.00	1081898	0.354	Silicified	2%	
435.00	436.00	1.00	1081899	0.713	Silicified	3%	
436.00	437.28	1.28	1081900	1.154	Silicified	1%	

# DRILL HOLE REPORT

Drill Hole **GOS20-51** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 307.9  
 Dip -67.8  
 Length 425.7 m  
 Started 17-Sep-20  
 Completed 01-Oct-20  
 Logged 05-Oct-20  
 Logged by Caitlin Beland  
 Target  
 Comments Laura Katz started logging hole at 339 m

Company  
 Contractor Chenier Drilling  
 Position  
 Bore Size BQTK  
 Sample Storage Klondike Lodge  
 Casing NONE  
 Condition Capped/Mwater

Survey Details:

Claim Number PAT-11117  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool DGPS

Coordinates:

Easting 430730.52  
 UTM Datum NAD83 Northing 5267552.32  
 UTM Zone 17 Elevation 388.19

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
2.0	308.41	-67.06				29.0	308.00	-67.19			
5.0	308.40	-67.10				32.0	308.04	-67.22			
8.0	308.62	-66.98				35.0	308.14	-67.20			
11.0	308.30	-67.08				44.0	308.02	-67.23			
12.0	307.92	-67.08				56.0	308.42	-67.24			
14.0	308.19	-67.13				100.5	306.29	-68.06			
17.0	308.07	-67.19				125.0	308.92	-67.95			
20.0	308.04	-67.14				128.0	309.25	-67.95			
23.0	308.25	-67.07				131.0	309.56	-67.95			
26.0	307.86	-67.17				134.0	309.43	-67.95			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
137.0	309.57	-67.97			
140.0	309.68	-67.99			
143.0	309.84	-67.97			
146.0	309.73	-67.98			
149.0	310.17	-68.00			
150.0	309.95	-67.98			
152.0	310.47	-67.96			
155.0	310.33	-67.94			
158.0	310.59	-67.91			
161.0	310.40	-67.92			
164.0	310.74	-67.89			
167.0	309.89	-67.89			
170.0	310.96	-67.92			
173.0	311.12	-67.88			
176.0	311.21	-67.87			
179.0	310.96	-67.91			
182.0	311.27	-67.83			
185.0	310.83	-67.90			
188.0	311.16	-67.89			
191.0	311.25	-67.98			
194.0	311.39	-67.96			
197.0	311.69	-67.89			
200.0	311.53	-67.91			
201.0	311.51	-67.94			
203.0	311.57	-67.91			
206.0	311.63	-67.87			
209.0	311.74	-67.88			
212.0	311.79	-67.87			
215.0	311.97	-67.85			
218.0	312.07	-67.78			
221.0	312.04	-67.76			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
224.0	311.74	-67.83			
227.0	312.19	-67.79			
230.0	312.29	-67.79			
233.0	312.36	-67.81			
236.0	312.33	-67.82			
239.0	312.48	-67.83			
242.0	312.63	-67.77			
245.0	312.70	-67.78			
248.0	312.63	-67.80			
250.0	313.38	-67.89			
251.0	312.78	-67.78			
254.0	312.87	-67.77			
257.0	312.96	-67.78			
260.0	313.30	-67.76			
263.0	312.97	-67.74			
266.0	312.56	-67.75			
269.0	312.25	-67.75			
272.0	313.25	-67.76			
275.0	313.37	-67.76			
287.0	313.73	-67.83			
290.0	313.47	-67.85			
293.0	313.25	-67.94			
296.0	313.15	-67.98			
299.0	312.93	-67.96			
302.0	312.86	-67.94			
305.0	312.57	-67.93			
308.0	312.52	-67.93			
311.0	312.53	-67.95			
314.0	312.64	-67.96			
317.0	312.84	-67.99			
320.0	312.70	-68.00			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
323.0	313.26	-67.98			
326.0	312.99	-68.01			
329.0	313.00	-68.03			
332.0	313.07	-68.02			
335.0	313.29	-67.99			
338.0	313.35	-68.01			
341.0	313.23	-68.07			
344.0	313.38	-68.09			
347.0	313.35	-68.09			
350.0	313.15	-68.18			
353.0	313.39	-68.11			
356.0	313.31	-68.11			
359.0	313.44	-68.11			
362.0	313.38	-68.09			
365.0	313.19	-68.14			
368.0	313.35	-68.12			
371.0	313.56	-68.12			
374.0	313.36	-68.08			
377.0	313.64	-68.07			
380.0	313.43	-68.06			
392.0	314.10	-68.08			
395.0	313.87	-68.09			
398.0	314.73	-68.08			
401.0	314.69	-68.07			
404.0	314.44	-68.12			
407.0	314.29	-68.10			
410.0	314.30	-68.11			
413.0	314.19	-68.14			
416.0	314.34	-68.15			
419.0	314.22	-68.12			
422.0	314.00	-68.16			

Distance Azimuth Dip Magnetic Field Tool Confidence

From	To	Lithologic Group					
0.00	1.16	Overburden					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	1.16	1.16			Unaltered		

From	To	Lithologic Group					
1.16	11.60	Tonalite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
1.16	2.00	0.84	254966	0.222	Silicified	1%	Medium-grained, massive, granitic texture, light grey to pale pink
2.00	3.00	1.00	254967	0.019	Silicified	2%	
3.00	4.00	1.00	254968	0.005	Silicified	1%	
4.00	5.00	1.00	254969	0.005	Silicified	1%	
5.00	6.00	1.00	254971	0.018	Silicified	2%	
6.00	7.00	1.00	254973	0.098	Silicified	1%	
7.00	8.00	1.00	254974	0.005	Silicified	2%	
8.00	9.00	1.00	254975	0.029	Silicified	2%	
9.00	10.00	1.00	254976	0.010	Silicified	1%	
10.00	11.00	1.00	254977	0.049	Silicified	2%	
11.00	11.60	0.60	254978	0.037	Silicified	1%	

From	To	Lithologic Group					
11.60	19.00	Diorite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments	
11.60	12.20	0.60	254979	0.038	Chloritic alteration	1%	Fine to coarse grained diorite. Melanocratic, with rare leucocratic subintervals. Dark green. Massive, with randomly oriented amphibole crystals.	
12.20	13.00	0.80	254980	0.006	Chloritic alteration	2%		
13.00	14.00	1.00	254981	0.042	Chloritic alteration	4%		
14.00	15.00	1.00	254982	0.034	Chloritic alteration	3%		
15.00	16.00	1.00	254983	0.191	Chloritic alteration	2%		
16.00	17.00	1.00	254985	0.151	Chloritic alteration	1%		
17.00	18.00	1.00	254986	0.035	Chloritic alteration	1%		
18.00	19.00	1.00	254987	0.008	Chloritic alteration	1%		rubble

From	To	Lithologic Group					
19.00	21.58	Fault Zone					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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19.00	20.23	1.23	254988	0.005	Chloritic alteration	1%	rubble and gouge; very fine grained (locally aphanitic) dark grey rock with trace, angular, cm-scale TON fragments.
20.23	21.58	1.35	254989	0.083	Chloritic alteration	1%	
<b>From</b> 21.58	<b>To</b> 31.35	<b>Lithologic Group</b> Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
21.58	23.00	1.42	254991	0.091	Chloritic alteration	3%	brecciated
23.00	24.00	1.00	254992	0.117	Chloritic alteration	5%	brecciated
24.00	25.00	1.00	254993	0.044	Chloritic alteration	1%	brecciated
25.00	26.00	1.00	254994	0.193	Chloritic alteration	1%	brecciated
26.00	27.00	1.00	254995	0.499	Chloritic alteration	1%	brecciated
27.00	28.00	1.00	254997	1.258	Chloritic alteration	2%	brecciated
28.00	29.00	1.00	254998	0.472	Chloritic alteration	2%	
29.00	30.00	1.00	254999	0.185	Chloritic alteration	1%	
30.00	31.35	1.35	255000	0.130	Chloritic alteration	1%	
<b>From</b> 31.35	<b>To</b> 109.79	<b>Lithologic Group</b> Diabase					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
31.35	32.85	1.50	256501	0.050	Unaltered		Dark grey to black, fine to medium grained, massive, magnetic
32.85	108.29	75.44			Unaltered		
108.29	109.79	1.50	256502	0.016	Unaltered		
<b>From</b> 109.79	<b>To</b> 134.39	<b>Lithologic Group</b> Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
109.79	111.00	1.21	256503	0.389	Hematitic alteration	1%	
111.00	112.00	1.00	256504	0.116	Hematitic alteration	1%	
112.00	113.00	1.00	256505	0.171	Silicified	1%	
113.00	114.00	1.00	256506	0.119	Silicified	1%	
114.00	115.00	1.00	256507	0.040	Silicified	2%	10% mafic dyke (aphanitic, black, non magnetic)
115.00	116.00	1.00	256508	0.047	Silicified	3%	
116.00	117.00	1.00	256509	0.226	Silicified	5%	
117.00	118.00	1.00	256511	0.083	Silicified	2%	
118.00	119.00	1.00	256513	0.028	Silicified	1%	
119.00	120.00	1.00	256514	0.061	Silicified	1%	
120.00	121.00	1.00	256515	0.021	Silicified	1%	
121.00	122.00	1.00	256516	0.040	Silicified	1%	
122.00	123.00	1.00	256517	0.033	Silicified	1%	
123.00	124.00	1.00	256518	0.074	Hematitic alteration	1%	
124.00	125.00	1.00	256519	0.007	Hematitic alteration	1%	

125.00	126.00	1.00	256520	0.018	Hematitic alteration	1%
126.00	127.00	1.00	256521	0.092	Hematitic alteration	2%
127.00	128.00	1.00	256522	0.086	Hematitic alteration	2%
128.00	129.00	1.00	256523	0.056	Hematitic alteration	2%
129.00	130.00	1.00	256525	0.046	Hematitic alteration	5%
130.00	131.00	1.00	256526	0.036	Hematitic alteration	2%
131.00	132.00	1.00	256527	0.110	Hematitic alteration	1%
132.00	133.24	1.24	256528	0.086	Chloritic alteration	1%
133.24	134.39	1.15	256529	0.033	Hematitic alteration	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>134.39</b>	<b>135.23</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
134.39	135.23	0.84	256531	0.043	Chloritic alteration	5%	Fine grained, weakly foliated, black to dark green, non-magnetic

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>135.23</b>	<b>155.23</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
135.23	136.00	0.77	256532	0.081	Hematitic alteration	2%	
136.00	137.00	1.00	256533	0.036	Hematitic alteration	1%	
137.00	138.00	1.00	256534	0.052	Hematitic alteration	1%	
138.00	139.00	1.00	256535	0.047	Silicified	1%	
139.00	140.00	1.00	256537	0.078	Silicified	1%	
140.00	141.00	1.00	256538	0.039	Silicified	1%	
141.00	142.00	1.00	256539	0.006	Silicified	1%	
142.00	143.00	1.00	256540	0.032	Silicified	1%	
143.00	144.00	1.00	256541	0.075	Silicified	6%	
144.00	145.00	1.00	256542	0.041	Silicified	2%	
145.00	146.00	1.00	256543	0.010	Silicified	2%	
146.00	147.00	1.00	256544	0.040	Silicified	3%	
147.00	148.00	1.00	256545	0.047	Silicified	2%	
148.00	149.00	1.00	256546	0.023	Sericitic alteration	1%	
149.00	150.00	1.00	256547	0.026	Silicified	1%	
150.00	151.00	1.00	256549	0.032	Silicified	1%	
151.00	152.00	1.00	256551	0.074	Silicified	1%	
152.00	153.00	1.00	256552	0.022	Chloritic alteration	1%	
153.00	154.00	1.00	256553	0.331	Chloritic alteration	1%	
154.00	155.23	1.23	256554	0.118	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>155.23</b>	<b>155.80</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
155.23	155.80	0.57	256555	0.006	Chloritic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>155.80</b>	<b>177.78</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
155.80	157.00	1.20	256556	0.010	Hematitic alteration	1%	
157.00	158.00	1.00	256557	0.013	Hematitic alteration	1%	
158.00	159.00	1.00	256558	0.005	Hematitic alteration	1%	
159.00	160.00	1.00	256559	0.058	Hematitic alteration	1%	
160.00	161.00	1.00	256561	0.226	Hematitic alteration	1%	
161.00	162.00	1.00	256562	0.134	Hematitic alteration	1%	
162.00	163.00	1.00	256563	0.076	Hematitic alteration	1%	
163.00	164.00	1.00	256564	0.076	Silicified	1%	
164.00	165.00	1.00	256565	2.195	Hematitic alteration	2%	
165.00	166.00	1.00	256566	0.050	Hematitic alteration	1%	
166.00	167.00	1.00	256567	0.091	Hematitic alteration	1%	
167.00	168.00	1.00	256568	0.015	Hematitic alteration	1%	
168.00	169.00	1.00	256569	0.039	Hematitic alteration	2%	
169.00	169.95	0.95	256571	0.093	Silicified	1%	
169.95	171.00	1.05	256573	0.111	Silicified	1%	
171.00	172.00	1.00	256574	0.211	Silicified	2%	
172.00	173.00	1.00	256575	0.972	Silicified	3%	
173.00	174.00	1.00	256576	0.698	Silicified	1%	
174.00	175.00	1.00	256577	0.562	Silicified	2%	
175.00	176.00	1.00	256578	0.110	Silicified	1%	
176.00	177.00	1.00	256579	0.134	Silicified	2%	
177.00	177.78	0.78	256580	0.084	Silicified	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>177.78</b>	<b>179.93</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
177.78	179.00	1.22	256581	0.010	Chloritic alteration	2%	
179.00	179.93	0.93	256582	0.005	Chloritic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>179.93</b>	<b>183.57</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
179.93	181.00	1.07	256583	0.341	Silicified	3%	
181.00	182.00	1.00	256585	0.108	Silicified	2%	
182.00	183.00	1.00	256586	0.174	Silicified	6%	
183.00	183.57	0.57	256587	0.497	Chloritic alteration	1%	sheared or ground (fault)? Round qtz grains in dark chlorite rich matrix
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>183.57</b>	<b>185.58</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

183.57	184.52	0.95	256588	0.102	Chloritic alteration	1%
184.52	185.58	1.06	256589	0.007	Chloritic alteration	3%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>185.58</b>	<b>262.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
185.58	187.00	1.42	256591	0.049	Silicified	2%	
187.00	188.00	1.00	256592	0.013	Silicified	1%	
188.00	189.00	1.00	256593	0.009	Hematitic alteration	2%	
189.00	190.00	1.00	256594	0.071	Hematitic alteration	2%	
190.00	191.00	1.00	256595	0.336	Hematitic alteration	1%	
191.00	192.00	1.00	256597	0.078	Hematitic alteration	1%	
192.00	193.00	1.00	256598	0.073	Hematitic alteration	1%	
193.00	194.00	1.00	256599	0.031	Hematitic alteration	1%	
194.00	195.00	1.00	256600	0.095	Hematitic alteration	1%	
195.00	196.00	1.00	256601	0.080	Hematitic alteration	3%	
196.00	197.00	1.00	256602	0.054	Hematitic alteration	1%	
197.00	198.00	1.00	256603	0.037	Hematitic alteration	1%	
198.00	199.00	1.00	256604	1.063	Hematitic alteration	1%	
199.00	200.00	1.00	256605	0.728	Hematitic alteration	1%	
200.00	201.00	1.00	256606	0.035	Hematitic alteration	1%	
201.00	202.00	1.00	256607	0.035	Hematitic alteration	2%	
202.00	203.00	1.00	256608	0.111	Hematitic alteration	6%	
203.00	204.00	1.00	256609	1.374	Hematitic alteration	2%	
204.00	204.91	0.91	256611	0.100	Hematitic alteration	2%	
204.91	206.00	1.09	256613	0.482	Hematitic alteration	3%	
206.00	207.00	1.00	256614	0.339	Hematitic alteration	1%	
207.00	208.00	1.00	256615	0.238	Hematitic alteration	1%	
208.00	209.00	1.00	256616	1.021	Hematitic alteration	2%	
209.00	210.00	1.00	256617	0.169	Hematitic alteration	3%	
210.00	211.00	1.00	256618	0.114	Sericitic alteration	1%	
211.00	212.00	1.00	256619	0.144	Sericitic alteration	1%	
212.00	213.00	1.00	256620	0.251	Sericitic alteration	1%	
213.00	214.00	1.00	256621	0.064	Sericitic alteration	1%	
214.00	215.00	1.00	256622	0.098	Sericitic alteration	1%	
215.00	216.00	1.00	256623	0.125	Sericitic alteration	2%	
216.00	217.05	1.05	256625	0.241	Sericitic alteration	1%	rubble/broken core
217.05	218.00	0.95	256626	0.184	Sericitic alteration	1%	
218.00	219.00	1.00	256627	0.161	Sericitic alteration	1%	
219.00	220.00	1.00	256628	0.257	Hematitic alteration	2%	
220.00	221.00	1.00	256629	0.049	Hematitic alteration	1%	
221.00	222.00	1.00	256631	0.031	Hematitic alteration	2%	
222.00	223.00	1.00	256632	0.157	Hematitic alteration	1%	

223.00	224.00	1.00	256633	0.752	Hematitic alteration	2%
224.00	225.00	1.00	256634	0.062	Hematitic alteration	1%
225.00	226.00	1.00	256635	0.046	Hematitic alteration	1%
226.00	227.00	1.00	256637	0.024	Hematitic alteration	1%
227.00	228.00	1.00	256638	0.072	Hematitic alteration	1%
228.00	229.00	1.00	256639	0.053	Hematitic alteration	2%
229.00	230.00	1.00	256640	0.144	Hematitic alteration	1%
230.00	231.00	1.00	256641	0.041	Hematitic alteration	1%
231.00	232.00	1.00	256642	0.048	Hematitic alteration	1%
232.00	233.00	1.00	256643	0.021	Hematitic alteration	1%
233.00	234.00	1.00	256644	0.061	Hematitic alteration	1%
234.00	235.00	1.00	256645	0.059	Hematitic alteration	1%
235.00	235.80	0.80	256646	0.022	Hematitic alteration	1%
235.80	237.00	1.20	256647	0.113	Silicified	2%
237.00	238.00	1.00	256649	0.030	Silicified	1%
238.00	239.00	1.00	256651	0.143	Silicified	1%
239.00	240.00	1.00	256652	0.492	Silicified	2%
240.00	241.10	1.10	256653	0.052	Silicified	2%
241.10	242.05	0.95	256654	0.134	Silicified	1%
242.05	243.00	0.95	256655	0.540	Silicified	1%
243.00	244.00	1.00	256656	1.286	Silicified	1%
244.00	245.00	1.00	256657	0.257	Sericitic alteration	1%
245.00	246.00	1.00	256658	0.153	Silicified	1%
246.00	247.00	1.00	256659	0.446	Silicified	1%
247.00	248.00	1.00	256661	0.186	Silicified	3%
248.00	249.00	1.00	256662	0.414	Silicified	1%
249.00	250.00	1.00	256663	0.150	Silicified	2%
250.00	251.00	1.00	256664	0.084	Silicified	1%
251.00	252.00	1.00	256665	0.172	Silicified	1%
252.00	253.00	1.00	256666	0.152	Silicified	3%
253.00	254.00	1.00	256667	0.043	Silicified	2%
254.00	255.00	1.00	256668	0.142	Silicified	1%
255.00	256.00	1.00	256669	11.400	Silicified	1%
256.00	257.00	1.00	256671	2.535	Silicified	2%
257.00	258.00	1.00	256673	1.116	Silicified	1%
258.00	259.00	1.00	256674	0.456	Silicified	2%
259.00	260.00	1.00	256675	0.483	Silicified	1%
260.00	261.00	1.00	256676	0.379	Silicified	1%
261.00	262.00	1.00	256677	0.214	Silicified	1%

From	To	Lithologic Group	
262.00	266.55	Mafic Dyke	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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262.00	263.00	1.00	256678	0.053	Chloritic alteration	1%
263.00	264.00	1.00	256679	0.005	Chloritic alteration	1%
264.00	265.10	1.10	256680	0.009	Chloritic alteration	1%
265.10	266.55	1.45	256681	0.012	Chloritic alteration	7%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>266.55</b>	<b>276.42</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
266.55	268.00	1.45	256682	0.103	Silicified	1%	
268.00	269.00	1.00	256683	0.422	Silicified	1%	
269.00	270.00	1.00	256685	0.421	Silicified	3%	
270.00	271.00	1.00	256686	0.405	Silicified	3%	
271.00	272.00	1.00	256687	0.453	Silicified	1%	
272.00	273.00	1.00	256688	0.258	Sericitic alteration	1%	
273.00	274.00	1.00	256689	0.141	Silicified	1%	
274.00	275.00	1.00	256691	0.095	Silicified	1%	
275.00	276.42	1.42	256692	4.250	Silicified	4%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>276.42</b>	<b>276.97</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
276.42	276.97	0.55	256693	0.950	Chloritic alteration	15%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>276.97</b>	<b>281.80</b>	<b>Tonalite 2</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
276.97	278.00	1.03	256694	4.590	Silicified	4%	Possible Ton 2??? aphanitic to very fine grained, light grey, massive, non magnetic. Sharp contacts
278.00	279.00	1.00	256695	0.014	Silicified	2%	Possible Ton 2?
279.00	280.00	1.00	256697	0.030	Silicified	5%	Possible Ton 2?
280.00	281.00	1.00	256698	0.006	Silicified	2%	Possible Ton 2?
281.00	281.80	0.80	256699	0.204	Silicified	8%	Possible Ton 2?

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>281.80</b>	<b>317.39</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
281.80	283.00	1.20	256700	0.322	Sericitic alteration	6%	
283.00	284.00	1.00	256701	0.112	Sericitic alteration	1%	
284.00	284.70	0.70	256702	0.375	Sericitic alteration	3%	
284.70	286.00	1.30	256703	0.089	Silicified	2%	
286.00	287.00	1.00	256704	0.148	Silicified	1%	
287.00	288.00	1.00	256705	0.084	Silicified	1%	
288.00	289.00	1.00	256706	0.089	Silicified	2%	
289.00	290.00	1.00	256707	0.072	Silicified	1%	
290.00	291.00	1.00	256708	0.204	Silicified	3%	

291.00	292.00	1.00	256709	0.021	Silicified	5%
292.00	293.00	1.00	256711	0.138	Silicified	2%
293.00	294.00	1.00	256713	0.029	Sericitic alteration	3%
294.00	295.00	1.00	256714	0.026	Sericitic alteration	2%
295.00	296.00	1.00	256715	0.044	Silicified	6%
296.00	296.65	0.65	256716	0.078	Silicified	3%
296.65	297.80	1.15	256717	0.031	Silicified	15%
297.80	299.00	1.20	256718	0.189	Silicified	2%
299.00	300.00	1.00	256719	0.123	Silicified	1%
300.00	301.00	1.00	256720	0.185	Sericitic alteration	1%
301.00	302.00	1.00	256721	0.209	Silicified	1%
302.00	303.00	1.00	256722	0.151	Silicified	36%
303.00	304.00	1.00	256723	0.045	Silicified	22%
304.00	305.00	1.00	256725	0.095	Silicified	3%
305.00	306.00	1.00	256726	0.088	Silicified	3%
306.00	307.00	1.00	256727	0.058	Silicified	5%
307.00	308.00	1.00	256728	0.103	Silicified	7%
308.00	309.00	1.00	256729	0.045	Silicified	3%
309.00	310.00	1.00	256731	0.409	Silicified	2%
310.00	311.00	1.00	256732	1.979	Silicified	3%
311.00	312.00	1.00	256733	0.105	Silicified	4%
312.00	313.00	1.00	256734	0.087	Silicified	3%
313.00	314.00	1.00	256735	0.143	Silicified	2%
314.00	315.00	1.00	256737	0.210	Silicified	5%
315.00	316.00	1.00	256738	0.067	Silicified	2%
316.00	317.39	1.39	256739	0.072	Silicified	4%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>317.39</b>	<b>319.36</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
317.39	318.00	0.61	256740	0.041	Chloritic alteration	5%	
318.00	319.36	1.36	256741	0.006	Chloritic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>319.36</b>	<b>380.38</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
319.36	320.00	0.64	256742	1.109	Silicified	1%	
320.00	321.00	1.00	256743	0.052	Silicified	2%	
321.00	322.00	1.00	256744	0.242	Sericitic alteration	2%	
322.00	323.00	1.00	256745	0.076	Sericitic alteration	1%	
323.00	324.00	1.00	256746	0.816	Sericitic alteration	3%	
324.00	325.00	1.00	256747	0.257	Silicified	1%	
325.00	326.00	1.00	256749	0.114	Silicified	1%	
326.00	327.10	1.10	256751	1.686	Silicified	5%	

327.10	328.00	0.90	256752	1.405	Sericitic alteration	1%	
328.00	329.00	1.00	256753	3.480	Sericitic alteration	2%	
329.00	330.00	1.00	256754	0.658	Sericitic alteration	2%	
330.00	331.00	1.00	256755	1.165	Sericitic alteration	3%	
331.00	332.00	1.00	256756	0.361	Sericitic alteration	1%	
332.00	333.00	1.00	256757	0.469	Sericitic alteration	8%	
333.00	334.00	1.00	256758	0.379	Silicified	2%	
334.00	335.00	1.00	256759	0.536	Silicified	1%	
335.00	336.00	1.00	256761	0.208	Silicified	1%	
336.00	337.00	1.00	256762	0.101	Silicified	1%	
337.00	338.00	1.00	256763	2.600	Silicified	1%	
338.00	339.00	1.00	256764	0.153	Silicified	2%	
339.00	340.00	1.00	256765	0.065	Sericitic alteration	1%	Laura Katz started logging here
340.00	341.00	1.00	256766	0.169	Sericitic alteration	1%	
341.00	342.00	1.00	256767	0.707	Sericitic alteration	1%	
342.00	343.00	1.00	256768	0.591	Sericitic alteration	1%	
343.00	344.00	1.00	256769	2.294	Sericitic alteration	1%	
344.00	345.00	1.00	256771	0.528	Sericitic alteration	1%	
345.00	346.00	1.00	256773	0.549	Sericitic alteration	1%	
346.00	347.00	1.00	256774	0.198	Sericitic alteration	2%	
347.00	348.00	1.00	256775	0.286	Sericitic alteration	1%	
348.00	349.00	1.00	256776	0.561	Sericitic alteration	4%	
349.00	350.00	1.00	256777	0.152	Sericitic alteration	1%	
350.00	351.00	1.00	256778	0.528	Sericitic alteration	2%	
351.00	351.71	0.71	256779	0.472	Sericitic alteration	2%	
351.71	352.50	0.79	256780	0.207	Sericitic alteration	2%	
352.50	353.42	0.92	256781	2.650	Sericitic alteration	6%	
353.42	354.00	0.58	256782	0.509	Sericitic alteration	1%	
354.00	355.00	1.00	256783	0.365	Sericitic alteration	1%	
355.00	356.00	1.00	256785	0.921	Sericitic alteration	2%	
356.00	357.00	1.00	256786	0.507	Sericitic alteration	3%	VG in a qtz-cb-bt-py-cpy vn with ser alt halo
357.00	358.00	1.00	256788	0.180	Sericitic alteration	1%	
358.00	359.00	1.00	256789	0.271	Sericitic alteration	1%	
359.00	360.00	1.00	256791	0.296	Sericitic alteration	7%	359.58-359.91 m diorite dike or fragment
360.00	361.00	1.00	256792	0.300	Sericitic alteration	1%	
361.00	362.00	1.00	256793	0.248	Sericitic alteration	2%	361.02-361.12 m small areas of foliated diorite
362.00	363.00	1.00	256794	0.560	Sericitic alteration	1%	
363.00	364.00	1.00	256795	0.193	Sericitic alteration	1%	
364.00	365.00	1.00	256797	0.169	Sericitic alteration	2%	
365.00	366.00	1.00	256798	0.109	Sericitic alteration	1%	



366.00	367.00	1.00	256799	0.334	Sericitic alteration	2%	
367.00	368.00	1.00	256800	0.045	Sericitic alteration	2%	
368.00	369.00	1.00	256801	0.029	Sericitic alteration	2%	
369.00	370.00	1.00	256802	0.076	Sericitic alteration	2%	
370.00	371.00	1.00	256803	0.072	Sericitic alteration	1%	
371.00	372.00	1.00	256804	0.051	Sericitic alteration	2%	
372.00	373.00	1.00	256805	0.064	Sericitic alteration	6%	small areas of diorite of mafic dike from 372.47-372.92 m
373.00	374.00	1.00	256806	0.220	Sericitic alteration	1%	
374.00	375.00	1.00	256807	2.213	Sericitic alteration	3%	
375.00	376.00	1.00	256808	0.318	Sericitic alteration	1%	
376.00	377.00	1.00	256809	0.233	Sericitic alteration	2%	
377.00	378.00	1.00	256811	0.423	Sericitic alteration	1%	
378.00	379.00	1.00	256813	0.247	Sericitic alteration	10%	
379.00	380.38	1.38	256814	0.579	Sericitic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>380.38</b>	<b>383.59</b>	<b>Diorite</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
380.38	381.00	0.62	256815	0.047	Sericitic alteration	12%	Fgr, massive to foliated, green, diorite fragment or diorite dike; minor amounts of tonalite present at top of lithological contact
381.00	382.00	1.00	256816	0.009	Sericitic alteration	3%	
382.00	383.00	1.00	256817	0.020	Sericitic alteration	4%	
383.00	383.59	0.59	256818	0.016	Sericitic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>383.59</b>	<b>390.81</b>	<b>Tonalite</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
383.59	385.00	1.41	256819	0.416	Sericitic alteration	1%	Mgr, massive, grey, equigranular; Small portion of diorite from 384.71--384.77
385.00	386.00	1.00	256820	0.521	Sericitic alteration	1%	
386.00	387.00	1.00	256821	0.340	Sericitic alteration	13%	
387.00	388.00	1.00	256822	0.222	Sericitic alteration	1%	
388.00	389.00	1.00	256823	0.211	Sericitic alteration	1%	
389.00	390.00	1.00	256825	0.137	Sericitic alteration	1%	
390.00	390.81	0.81	256826	0.655	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>390.81</b>	<b>391.66</b>	<b>Diorite</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
390.81	391.66	0.85	256827	0.012	Sericitic alteration	6%	Fgr, black, foliated, diorite dike; tonalite fragment in unit

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>391.66</b>	<b>402.53</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
391.66	393.00	1.34	256828	20.400	Sericitic alteration	3%	Tonalite same as above
393.00	394.00	1.00	256829	0.224	Sericitic alteration	1%	
394.00	395.00	1.00	256831	0.100	Sericitic alteration	4%	
395.00	396.00	1.00	256832	0.322	Sericitic alteration	10%	
396.00	397.00	1.00	256833	0.286	Sericitic alteration	0%	
397.00	398.00	1.00	256834	0.706	Sericitic alteration	2%	
398.00	399.00	1.00	256835	0.164	Sericitic alteration	1%	
399.00	400.00	1.00	256837	0.156	Sericitic alteration	3%	
400.00	401.00	1.00	256838	0.073	Sericitic alteration	1%	
401.00	402.00	1.00	256839	0.111	Sericitic alteration	1%	
402.00	402.53	0.53	256840	0.287	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>402.53</b>	<b>403.91</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
402.53	403.91	1.38	256841	0.132	Chloritic alteration	4%	Fgr, foliated, green-grey, equigranular; Diorite dike or fragment

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>403.91</b>	<b>419.44</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
403.91	405.00	1.09	256842	0.605	Sericitic alteration	1%	Tonalite same as above
405.00	406.00	1.00	256843	0.597	Sericitic alteration	2%	
406.00	407.00	1.00	256844	0.316	Sericitic alteration	2%	
407.00	408.00	1.00	256845	0.675	Sericitic alteration	3%	
408.00	409.05	1.05	256846	0.186	Sericitic alteration	2%	
409.05	410.10	1.05	256847	0.268	Sericitic alteration	1%	
410.10	411.00	0.90	256849	0.287	Sericitic alteration	2%	
411.00	412.00	1.00	256851	0.391	Sericitic alteration	2%	
412.00	413.00	1.00	256852	0.419	Sericitic alteration	1%	
413.00	414.00	1.00	256853	0.090	Sericitic alteration	1%	
414.00	415.00	1.00	256854	0.242	Sericitic alteration	0%	
415.00	416.00	1.00	256855	1.207	Sericitic alteration	11%	few veins, but 1 vn at low core angle makes up most of vn%
416.00	417.00	1.00	256856	0.177	Sericitic alteration	12%	low angle vein continues in this sample
417.00	418.00	1.00	256857	2.302	Sericitic alteration	7%	low angle vein continues in this sample
418.00	419.44	1.44	256858	0.126	Sericitic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
419.44	420.46	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
419.44	420.46	1.02	256859	0.005	Chloritic alteration	4%	Fgr-mgr, foliated, black/green, equigranular

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
420.46	425.68	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
420.46	421.00	0.54	256861	0.024	Sericitic alteration	1%	Tonalite same as above tonalite description
421.00	422.00	1.00	256862	0.225	Sericitic alteration	1%	
422.00	423.00	1.00	256863	0.154	Sericitic alteration	0%	
423.00	424.00	1.00	256864	0.253	Sericitic alteration	3%	
424.00	425.00	1.00	256865	0.143	Sericitic alteration	2%	
425.00	425.68	0.68	256866	0.239	Sericitic alteration	0%	

# DRILL HOLE REPORT

Drill Hole **GOS20-52** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 328.4  
 Dip -60.5  
 Length 424.7 m  
 Started 19-Sep-20  
 Completed 29-Sep-20  
 Logged 05-Oct-20  
 Logged by Justin Bisailon

Company  
 Contractor Chenier Drilling  
 Position  
 Bore Size BQTK  
 Sample Storage Klondike Lodge  
 Casing STEEL  
 Condition Cemented

Survey Details:

Claim Number MLO-10658  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool DGPS

Coordinates:

Easting 431156.00  
 UTM Datum NAD83 Northing 5267837.00  
 UTM Zone 17 Elevation 380.57

Target

Comments Core is BTW  
 Laura started logging at 251 m to EOH

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
25.5	328.48	-60.51	55071	RM		77.0	327.82	-60.21	54881	RM	
50.0	328.36	-60.52	55060	RM		80.0	326.94	-60.44	54855	RM	
53.0	328.49	-60.70	56784	RM		83.0	326.75	-60.40	54901	RM	
56.0	327.28	-60.57	55129	RM		86.0	327.06	-60.57	54876	RM	
59.0	327.22	-60.54	55055	RM		92.0	327.13	-60.57	54884	RM	
62.0	328.34	-59.70	54871	RM		95.0	327.19	-60.56	54880	RM	
65.0	327.03	-60.44	54967	RM		98.0	327.56	-60.58	54877	RM	
68.0	326.94	-60.45	54923	RM		101.0	327.68	-60.65	54844	RM	
71.0	326.56	-60.95	54915	RM		104.0	327.76	-60.59	54849	RM	
74.0	327.02	-60.48	54931	RM		107.0	327.77	-60.66	54901	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
110.0	327.33	-60.53	54795	RM	
113.0	327.61	-60.63	54726	RM	
116.0	327.27	-60.60	54778	RM	
119.0	327.59	-60.72	54763	RM	
122.0	327.91	-60.53	54738	RM	
125.0	328.18	-60.33	54750	RM	
128.0	328.57	-60.25	54748	RM	
131.0	327.92	-60.45	54753	RM	
134.0	327.57	-60.47	54767	RM	
137.0	327.51	-60.51	54756	RM	
140.0	327.37	-60.47	54760	RM	
143.0	327.14	-60.48	54755	RM	
146.0	327.37	-60.51	54731	RM	
149.0	327.45	-60.60	54699	RM	
150.0	328.21	-60.60	54916	RM	
152.0	327.32	-60.67	54686	RM	
155.0	327.15	-60.61	54683	RM	
158.0	327.14	-60.64	54709	RM	
161.0	327.57	-60.66	54540	RM	
164.0	326.24	-60.68	55001	RM	
167.0	326.46	-60.67	54666	RM	
170.0	326.70	-60.67	54640	RM	
173.0	326.45	-60.73	54539	RM	
176.0	326.26	-60.69	54701	RM	
179.0	326.92	-60.65	54718	RM	
182.0	326.75	-60.67	54625	RM	
185.0	326.52	-60.63	54613	RM	
194.0	326.04	-60.50	54813	RM	
197.0	326.25	-60.53	54775	RM	
200.0	326.94	-60.50	54416	RM	
203.0	327.03	-60.44	54553	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
206.0	326.98	-60.38	54642	RM	
209.0	327.06	-60.32	54372	RM	
212.0	326.68	-60.33	54781	RM	
215.0	327.02	-60.33	54723	RM	
218.0	326.96	-60.33	54716	RM	
221.0	326.76	-60.19	54711	RM	
224.0	327.13	-60.11	54718	RM	
227.0	327.48	-60.04	54679	RM	
230.0	327.46	-60.10	54674	RM	
233.0	328.02	-60.11	54689	RM	
236.0	327.75	-60.11	54730	RM	
239.0	327.71	-60.20	54738	RM	
242.0	327.84	-60.21	54733	RM	
245.0	327.91	-60.22	54763	RM	
248.0	328.25	-60.23	54712	RM	
251.0	327.77	-60.27	54750	RM	
254.0	327.59	-60.29	54595	RM	
257.0	327.17	-60.30	54500	RM	
260.0	327.90	-60.31	54696	RM	
263.0	328.48	-60.31	54666	RM	
266.0	328.10	-60.36	54557	RM	
269.0	328.25	-60.34	54637	RM	
272.0	327.95	-60.35	54608	RM	
275.0	328.89	-60.34	54474	RM	
278.0	328.22	-60.26	54583	RM	
281.0	327.82	-60.26	54612	RM	
284.0	328.36	-60.27	54670	RM	
287.0	328.00	-60.28	54462	RM	
290.0	328.48	-60.33	54500	RM	
293.0	328.15	-60.36	54513	RM	
296.0	326.91	-60.43	54567	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
299.0	328.70	-60.41	54612	RM	
300.0	328.44	-60.46	55037	RM	
302.0	328.37	-60.44	54749	RM	
305.0	328.98	-60.46	54851	RM	
308.0	328.60	-60.41	54710	RM	
311.0	328.43	-60.39	54722	RM	
314.0	328.59	-60.39	54515	RM	
317.0	328.38	-60.38	54697	RM	
320.0	328.46	-60.46	54729	RM	
323.0	328.67	-60.43	54737	RM	
326.0	328.80	-60.49	54724	RM	
329.0	329.21	-60.47	54682	RM	
335.0	329.60	-60.52	54697	RM	
338.0	329.83	-60.47	54671	RM	
341.0	329.77	-60.58	54693	RM	
344.0	329.87	-60.64	54718	RM	
347.0	330.43	-60.71	54735	RM	
350.0	330.54	-60.81	54605	RM	
353.0	330.60	-60.84	54659	RM	
356.0	330.71	-60.82	54736	RM	
359.0	330.96	-60.81	54748	RM	
362.0	331.11	-60.94	54773	RM	
365.0	330.83	-60.93	54749	RM	
368.0	331.29	-60.92	54824	RM	
371.0	331.25	-61.04	54018	RM	
374.0	331.81	-61.07	54723	RM	
377.0	331.96	-61.06	54678	RM	
380.0	331.90	-61.09	54710	RM	
383.0	332.22	-61.17	54681	RM	
386.0	331.84	-61.22	54763	RM	
389.0	332.15	-61.27	54702	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
392.0	331.94	-61.27	54680	RM	
395.0	332.04	-61.29	54684	RM	
398.0	331.87	-61.39	54669	RM	
401.0	332.22	-61.45	54700	RM	
402.0	332.61	-61.45	54963	RM	
404.0	331.89	-61.42	54693	RM	
407.0	332.20	-61.45	54694	RM	
410.0	332.33	-61.49	54700	RM	

From	To	Lithologic Group					
0.00	16.43	Overburden					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	16.43	16.43			Unaltered		
From	To	Lithologic Group					
16.43	71.75	Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
16.43	18.00	1.57	260001	0.006	Silicified	0%	light gry, non-magnetic, mass, w porph appear (plag)
18.00	19.50	1.50	260002	0.082	Silicified	2%	
19.50	21.00	1.50	260003	0.052	Silicified	1%	
21.00	22.50	1.50	260004	0.143	Chloritic alteration	1%	
22.50	24.00	1.50	260005	0.113	Chloritic alteration	1%	
24.00	25.50	1.50	260006	0.035	Sericitic alteration	1%	
25.50	27.00	1.50	260007	0.523	Chloritic alteration	1%	
27.00	28.50	1.50	260008	0.087	Silicified	1%	
28.50	30.00	1.50	260009	0.053	Silicified	1%	
30.00	31.50	1.50	260011	0.046	Sericitic alteration	1%	
31.50	33.00	1.50	260013	0.039	Sericitic alteration	1%	
33.00	34.50	1.50	260014	0.012	Sericitic alteration	1%	
34.50	36.00	1.50	260015	0.015	Sericitic alteration	2%	
36.00	37.50	1.50	260016	0.026	Sericitic alteration	1%	
37.50	39.00	1.50	260017	0.021	Sericitic alteration	3%	
39.00	40.00	1.00	260018	0.098	Sericitic alteration	1%	
40.00	41.00	1.00	260019	0.083	Sericitic alteration	1%	
41.00	42.00	1.00	260020	0.084	Sericitic alteration	1%	
42.00	43.00	1.00	260021	0.227	Sericitic alteration	2%	
43.00	44.00	1.00	260022	0.114	Sericitic alteration	1%	
44.00	45.00	1.00	260023	0.711	Sericitic alteration	3%	
45.00	46.30	1.30	260025	2.428	Sericitic alteration	5%	
46.30	47.00	0.70	260026	0.895	Silicified	1%	
47.00	48.00	1.00	260027	0.752	Silicified	2%	
48.00	49.00	1.00	260028	0.714	Silicified	2%	
49.00	50.00	1.00	260029	0.394	Sericitic alteration	2%	
50.00	51.00	1.00	260031	0.162	Sericitic alteration	1%	
51.00	52.00	1.00	260032	0.671	Silicified	2%	
52.00	53.00	1.00	260033	3.830	Silicified	1%	
53.00	54.00	1.00	260034	1.825	Silicified	2%	
54.00	55.00	1.00	260035	0.449	Silicified	1%	

55.00	56.00	1.00	260037	0.066	Silicified	2%
56.00	57.00	1.00	260038	0.135	Silicified	1%
57.00	58.00	1.00	260039	0.066	Sericitic alteration	6%
58.00	59.00	1.00	260040	0.087	Sericitic alteration	3%
59.00	60.00	1.00	260041	0.068	Sericitic alteration	3%
60.00	61.00	1.00	260042	0.128	Sericitic alteration	1%
61.00	62.00	1.00	260043	0.165	Sericitic alteration	1%
62.00	63.00	1.00	260044	0.182	Silicified	2%
63.00	64.00	1.00	260045	0.513	Silicified	2%
64.00	65.00	1.00	260046	0.815	Silicified	3%
65.00	66.00	1.00	260047	1.557	Silicified	2%
66.00	67.00	1.00	260049	1.780	Silicified	1%
67.00	68.00	1.00	260051	0.976	Silicified	1%
68.00	69.00	1.00	260052	0.966	Silicified	1%
69.00	70.00	1.00	260053	0.512	Silicified	1%
70.00	71.00	1.00	260054	0.275	Silicified	1%
71.00	71.75	0.75	260055	0.294	Silicified	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>71.75</b>	<b>77.20</b>	<b>Lamprophyre Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
71.75	73.00	1.25	260056	0.016	Carbonate Altered	1%	drk gry black, wk-mod foliated, non-magnetic, fg
73.00	74.50	1.50	260057	0.019	Carbonate Altered	1%	
74.50	76.00	1.50	260058	0.011	Carbonate Altered	1%	
76.00	77.20	1.20	260059	0.011	Carbonate Altered	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>77.20</b>	<b>78.65</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
77.20	78.65	1.45	260061	0.421	Silicified	2%	f-mg, gry, non-magnetic, vwk sheard increasing towards fault breccia

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>78.65</b>	<b>82.20</b>	<b>Fault Zone</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
78.65	80.00	1.35	260062	2.712	Chloritic alteration	3%	fault zone with angular rumbly gouge from 78.65-81.18m, then chlorite cemented multilitihic (ton, qtz, cb frgs) fault breccia
80.00	81.18	1.18	260063	1.357	Chloritic alteration	1%	
81.18	82.20	1.02	260064	1.432	Chloritic alteration	1%	cemented portion of fault zone

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>82.20</b>	<b>142.80</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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82.20	83.47	1.27	260065	2.996	Sericitic alteration	55%	grey, massive, equigranular, with selective magnetism
83.47	84.85	1.38	260066	27.000	Sericitic alteration	80%	deformed smokey qtz-cb-chl-py-cpy vein w 25+ spks visible gold; 100% total wallrock minerals - complete alteration (only 20% of sample - other samples with 50% veining below will be calculated the same )
84.85	86.00	1.15	260068	5.360	Sericitic alteration	7%	
86.00	87.00	1.00	260069	2.988	Silicified	3%	
87.00	87.95	0.95	260071	1.060	Silicified	1%	
87.95	88.90	0.95	260073	16.000	Silicified	7%	qtz-chl-cb-cpy-py vein w ~25+ specks visible gold as well as Te, most localized near hinge of vein and prox to vein-wallrock contact
88.90	90.00	1.10	260075	13.200	Chloritic alteration	55%	smokey grey qtz-chl-cb-cpy-py vein w 20+ specks visible gold
90.00	90.95	0.95	260077	87.800	Sericitic alteration	65%	smokey grey qtz-chl-cb-cpy-py-po vein w 30+ specks visible gold
90.95	91.80	0.85	260079	17.000	Sericitic alteration	80%	smokey grey qtz-chl-cb-cpy-py vein w 20+ specks visible gold
91.80	93.18	1.38	260081	6.310	Silicified	2%	
93.18	94.22	1.04	260082	25.800	Sericitic alteration	15%	
94.22	94.65	0.43	260083	47.600	Sericitic alteration	80%	smokey grey qtz-chl-cb-cpy-py vein w 30+ specks visible gold
94.65	96.00	1.35	260086	1.807	Silicified	3%	
96.00	97.00	1.00	260087	0.882	Sericitic alteration	2%	
97.00	98.00	1.00	260088	0.361	Sericitic alteration	1%	
98.00	99.00	1.00	260089	0.243	Sericitic alteration	1%	
99.00	100.00	1.00	260091	0.467	Sericitic alteration	1%	
100.00	101.00	1.00	260092	1.788	Sericitic alteration	2%	
101.00	102.06	1.06	260093	3.590	Sericitic alteration	3%	
102.06	102.66	0.60	260094	16.200	Chloritic alteration	30%	smokey grey deformed qtz-cb-chl-cpy-py vein w several specks of visible gold
102.66	103.63	0.97	260097	115.000	Sericitic alteration	90%	smokey grey qtz-cb-chl-cpy-py-asp vein w 50+ specks of visible gold and Te
103.63	105.00	1.37	260099	49.100	Sericitic alteration	7%	qtz-cb-chl-py-cpy vein w 10+ specks of visible gold
105.00	106.00	1.00	260101	1.456	Sericitic alteration	1%	
106.00	107.00	1.00	260102	1.027	Sericitic alteration	1%	
107.00	108.00	1.00	260103	1.672	Sericitic alteration	1%	
108.00	109.00	1.00	260104	2.620	Sericitic alteration	1%	

109.00	110.00	1.00	260105	0.848	Sericitic alteration	1%	
110.00	111.00	1.00	260106	0.683	Sericitic alteration	2%	
111.00	112.00	1.00	260107	0.709	Sericitic alteration	1%	
112.00	113.00	1.00	260108	1.385	Sericitic alteration	3%	
113.00	114.00	1.00	260109	0.889	Sericitic alteration	3%	
114.00	115.00	1.00	260111	0.493	Sericitic alteration	2%	
115.00	116.00	1.00	260113	0.425	Sericitic alteration	2%	
116.00	117.00	1.00	260114	0.271	Sericitic alteration	1%	
117.00	118.00	1.00	260115	0.181	Sericitic alteration	3%	
118.00	119.00	1.00	260116	0.237	Sericitic alteration	7%	
119.00	120.00	1.00	260117	0.050	Sericitic alteration	2%	
120.00	121.00	1.00	260118	0.115	Sericitic alteration	2%	
121.00	122.00	1.00	260119	0.369	Sericitic alteration	2%	
122.00	123.00	1.00	260120	0.228	Silicified	0%	
123.00	124.00	1.00	260121	0.113	Silicified	1%	
124.00	125.00	1.00	260122	0.101	Silicified	1%	
125.00	126.25	1.25	260123	0.715	Silicified	1%	
126.25	127.00	0.75	260125	0.221	Sericitic alteration	3%	
127.00	128.00	1.00	260126	0.778	Sericitic alteration	1%	
128.00	129.35	1.35	260127	0.070	Sericitic alteration	2%	
129.35	131.00	1.65	260128	0.037	Silicified	3%	magnetism assoc with diss mag- bi clusters
131.00	132.00	1.00	260129	0.010	Silicified	2%	
132.00	133.00	1.00	260131	0.013	Silicified	2%	
133.00	134.10	1.10	260132	0.253	Silicified	4%	
134.10	135.00	0.90	260133	0.038	Silicified	1%	
135.00	136.00	1.00	260134	0.013	Silicified	1%	
136.00	137.00	1.00	260135	0.030	Silicified	2%	
137.00	138.00	1.00	260137	0.045	Silicified	1%	
138.00	139.00	1.00	260138	0.086	Silicified	3%	
139.00	140.00	1.00	260139	0.036	Sericitic alteration	2%	
140.00	141.00	1.00	260140	0.118	Silicified	1%	
141.00	142.00	1.00	260141	0.081	Silicified	1%	
142.00	142.80	0.80	260142	0.280	Silicified	1%	40% dike (contact runs shallow tca)

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>142.80</b>	<b>149.18</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
142.80	144.00	1.20	260143	0.016	Chloritic alteration	1%	drk grn, fg, mass, non-magnetic
144.00	145.50	1.50	260144	0.177	Chloritic alteration	2%	
145.50	147.00	1.50	260145	0.030	Chloritic alteration	2%	
147.00	148.00	1.00	260146	0.005	Chloritic alteration	0%	
148.00	149.18	1.18	260147	0.027	Chloritic alteration	1%	

<b>From</b> <b>149.18</b>	<b>To</b> <b>210.51</b>	<b>Lithologic Group</b>					
		<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
149.18	150.00	0.82	260149	0.060	Silicified	1%	grey to pink, massive, mg w magnetism assoc w spotty mag-bi cluster
150.00	151.00	1.00	260151	0.108	Silicified	1%	
151.00	152.00	1.00	260152	0.058	Sericitic alteration	1%	
152.00	153.00	1.00	260153	0.028	Sericitic alteration	2%	
153.00	154.00	1.00	260154	0.119	Sericitic alteration	3%	
154.00	155.00	1.00	260155	0.038	Sericitic alteration	1%	
155.00	156.00	1.00	260156	0.108	Sericitic alteration	1%	
156.00	157.00	1.00	260157	0.080	Silicified	1%	
157.00	158.00	1.00	260158	0.379	Silicified	5%	
158.00	159.00	1.00	260159	0.102	Sericitic alteration	1%	
159.00	160.00	1.00	260161	0.140	Silicified	1%	
160.00	161.00	1.00	260162	0.211	Silicified	1%	
161.00	162.00	1.00	260163	0.196	Silicified	1%	
162.00	163.00	1.00	260164	0.068	Silicified	1%	
163.00	164.00	1.00	260165	0.081	Hematitic alteration	1%	
164.00	165.00	1.00	260166	0.283	Silicified	1%	
165.00	166.00	1.00	260167	0.078	Silicified	1%	
166.00	167.00	1.00	260168	0.111	Silicified	1%	
167.00	168.00	1.00	260169	0.185	Silicified	1%	
168.00	169.00	1.00	260171	0.047	Silicified	0%	
169.00	170.00	1.00	260173	0.096	Silicified	1%	
170.00	171.00	1.00	260174	0.134	Silicified	3%	
171.00	172.00	1.00	260175	0.170	Silicified	1%	
172.00	173.00	1.00	260176	0.036	Silicified	1%	
173.00	174.00	1.00	260177	0.021	Silicified	2%	
174.00	175.00	1.00	260178	0.024	Silicified	2%	
175.00	176.00	1.00	260179	0.008	Silicified	2%	
176.00	177.00	1.00	260180	0.021	Silicified	1%	
177.00	178.00	1.00	260181	0.113	Silicified	3%	
178.00	179.00	1.00	260182	0.013	Silicified	4%	
179.00	180.00	1.00	260183	0.078	Silicified	5%	
180.00	181.00	1.00	260185	0.045	Sericitic alteration	1%	
181.00	182.00	1.00	260186	0.149	Silicified	2%	
182.00	183.00	1.00	260187	0.058	Sericitic alteration	2%	
183.00	184.00	1.00	260188	0.025	Silicified	1%	
184.00	185.00	1.00	260189	0.045	Silicified	1%	
185.00	186.00	1.00	260191	0.191	Sericitic alteration	4%	
186.00	187.00	1.00	260192	0.032	Silicified	1%	

187.00	188.00	1.00	260193	0.049	Silicified	3%	diss mag weakens around this era
188.00	189.00	1.00	260194	0.035	Silicified	1%	
189.00	190.00	1.00	260195	0.045	Silicified	1%	
190.00	191.00	1.00	260197	0.022	Silicified	1%	
191.00	192.00	1.00	260198	0.038	Silicified	1%	
192.00	193.37	1.37	260199	0.115	Silicified	1%	
193.37	195.00	1.63	260200	0.065	Sericitic alteration	1%	
195.00	196.00	1.00	260201	0.316	Sericitic alteration	4%	
196.00	197.50	1.50	260202	0.417	Sericitic alteration	1%	
197.50	199.00	1.50	260203	0.028	Silicified	1%	
199.00	200.00	1.00	260204	0.045	Silicified	1%	
200.00	201.00	1.00	260205	0.039	Silicified	2%	
201.00	202.00	1.00	260206	0.025	Sericitic alteration	1%	
202.00	203.00	1.00	260207	0.053	Sericitic alteration	3%	
203.00	204.00	1.00	260208	0.015	Silicified	1%	
204.00	205.00	1.00	260209	0.062	Silicified	3%	
205.00	206.00	1.00	260211	0.005	Silicified	1%	
206.00	207.00	1.00	260213	0.026	Silicified	1%	
207.00	208.00	1.00	260214	0.100	Silicified	2%	
208.00	209.00	1.00	260215	0.029	Silicified	2%	
209.00	210.00	1.00	260216	0.035	Silicified	1%	Justin started logging.
210.00	210.51	0.51	260217	0.005	Silicified	1%	

From	To	Lithologic Group	
210.51	211.20	Diabase	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
210.51	211.20	0.69	260218	0.005	Epidote alteration	0%	fine grained, dark grey, magnetic, massive

From	To	Lithologic Group	
211.20	258.00	Tonalite	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
211.20	212.00	0.80	260219	0.006	Silicified	2%	Medium grained, light pinkish grey, massive with some fracturing
212.00	213.00	1.00	260220	0.005	Sericitic alteration	3%	
213.00	214.00	1.00	260221	0.005	Silicified	1%	
214.00	215.00	1.00	260222	0.005	Silicified	1%	
215.00	215.80	0.80	260223	0.018	Silicified	1%	
215.80	216.47	0.67	260225	0.062	Silicified	2%	
216.47	217.00	0.53	260226	0.017	Silicified	2%	1 2cm by 4cm mafic fragment
217.00	218.00	1.00	260227	0.015	Sericitic alteration	2%	
218.00	219.00	1.00	260228	0.011	Sericitic alteration	1%	
219.00	220.00	1.00	260229	0.010	Sericitic alteration	1%	

220.00	221.13	1.13	260231	0.097	Silicified	2%	
221.13	222.00	0.87	260232	0.538	Silicified	1%	
222.00	223.00	1.00	260233	0.166	Silicified	2%	
223.00	224.00	1.00	260234	0.730	Sericitic alteration	3%	
224.00	225.00	1.00	260235	0.016	Silicified	1%	
225.00	226.00	1.00	260237	0.032	Silicified	2%	
226.00	227.00	1.00	260238	0.038	Silicified	2%	
227.00	228.07	1.07	260239	0.197	Silicified	2%	
228.07	229.00	0.93	260240	0.131	Sericitic alteration	4%	
229.00	230.00	1.00	260241	0.529	Silicified	3%	
230.00	231.00	1.00	260242	0.989	Sericitic alteration	2%	
231.00	232.00	1.00	260243	0.084	Silicified	3%	
232.00	233.00	1.00	260244	0.166	Silicified	2%	
233.00	234.00	1.00	260245	0.281	Silicified	6%	
234.00	235.00	1.00	260246	0.086	Sericitic alteration	1%	
235.00	236.00	1.00	260247	0.146	Sericitic alteration	1%	
236.00	237.00	1.00	260249	0.128	Sericitic alteration	2%	
237.00	238.00	1.00	260251	1.141	Sericitic alteration	3%	
238.00	239.00	1.00	260252	0.385	Sericitic alteration	3%	
239.00	240.00	1.00	260253	0.214	Sericitic alteration	4%	
240.00	241.00	1.00	260254	0.116	Sericitic alteration	2%	
241.00	242.00	1.00	260255	0.074	Silicified	4%	magnetic
242.00	243.00	1.00	260256	0.118	Silicified	3%	
243.00	244.00	1.00	260257	0.358	Silicified	4%	
244.00	245.00	1.00	260258	0.084	Silicified	3%	
245.00	246.00	1.00	260259	0.114	Sericitic alteration	2%	
246.00	247.00	1.00	260261	0.161	Silicified	2%	
247.00	248.00	1.00	260262	0.750	Silicified	3%	VG in vein at 247.55m
248.00	249.00	1.00	260264	0.149	Silicified	2%	
249.00	250.00	1.00	260265	0.137	Sericitic alteration	2%	
250.00	251.00	1.00	260266	0.111	Sericitic alteration	1%	Justin logging Ends
251.00	252.00	1.00	260267	0.054	Sericitic alteration	1%	Laura started logging here
252.00	252.69	0.69	260268	0.045	Sericitic alteration	1%	
252.69	254.00	1.31	260269	0.244	Sericitic alteration	2%	
254.00	255.00	1.00	260271	0.072	Sericitic alteration	1%	
255.00	256.00	1.00	260273	0.049	Sericitic alteration	1%	
256.00	257.03	1.03	260274	0.104	Sericitic alteration	4%	
257.03	258.00	0.97	260275	0.109	Sericitic alteration	2%	

From	To	Lithologic Group	
258.00	258.87	Lamprophyre Dyke	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
258.00	258.87	0.87	260276	0.006	Carbonate Altered	6%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>258.87</b>	<b>274.52</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
258.87	260.00	1.13	260277	0.059	Sericitic alteration	2%	
260.00	261.09	1.09	260278	0.099	Sericitic alteration	7%	
261.09	262.00	0.91	260279	0.103	Sericitic alteration	1%	
262.00	263.00	1.00	260280	0.011	Sericitic alteration	0%	
263.00	264.00	1.00	260281	0.062	Sericitic alteration	0%	
264.00	265.00	1.00	260282	0.141	Sericitic alteration	1%	
265.00	266.00	1.00	260283	0.042	Sericitic alteration	2%	
266.00	267.00	1.00	260285	0.017	Sericitic alteration	1%	
267.00	268.00	1.00	260286	0.033	Sericitic alteration	1%	
268.00	269.00	1.00	260287	0.020	Sericitic alteration	1%	
269.00	270.00	1.00	260288	0.014	Sericitic alteration	0%	
270.00	271.00	1.00	260289	0.018	Sericitic alteration	2%	
271.00	272.00	1.00	260291	0.020	Sericitic alteration	1%	
272.00	273.06	1.06	260292	0.025	Sericitic alteration	0%	
273.06	274.00	0.94	260293	0.043	Sericitic alteration	0%	
274.00	274.52	0.52	260294	0.119	Sericitic alteration	0%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>274.52</b>	<b>277.73</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
274.52	276.00	1.48	260295	0.025	Biotitic alteration	0%	Cgr, black, massive, inequigranular diorite dike or fragment
276.00	277.00	1.00	260297	0.051	Biotitic alteration	2%	
277.00	277.73	0.73	260298	0.236	Sericitic alteration	4%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>277.73</b>	<b>312.75</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
277.73	279.00	1.27	260299	0.094	Sericitic alteration	1%	Tonalite is same as one described above
279.00	280.00	1.00	260300	0.082	Sericitic alteration	1%	
280.00	281.00	1.00	260301	0.016	Sericitic alteration	1%	
281.00	282.00	1.00	260302	0.142	Sericitic alteration	1%	
282.00	283.00	1.00	260303	0.048	Sericitic alteration	1%	
283.00	284.39	1.39	260304	0.061	Sericitic alteration	13%	
284.39	285.24	0.85	260305	2.697	Sericitic alteration	5%	
285.24	286.00	0.76	260306	0.023	Sericitic alteration	3%	
286.00	287.00	1.00	260307	0.069	Sericitic alteration	3%	
287.00	288.00	1.00	260308	0.027	Sericitic alteration	0%	
288.00	289.00	1.00	260309	0.037	Sericitic alteration	2%	
289.00	290.00	1.00	260311	0.436	Sericitic alteration	6%	

290.00	290.91	0.91	260313	0.138	Sericitic alteration	0%
290.91	292.14	1.23	260314	0.132	Silicified	6%
292.14	293.00	0.86	260315	0.025	Silicified	1%
293.00	294.00	1.00	260316	0.095	Sericitic alteration	4%
294.00	295.00	1.00	260317	0.461	Sericitic alteration	5%
295.00	296.00	1.00	260318	0.154	Sericitic alteration	2%
296.00	297.00	1.00	260319	0.023	Sericitic alteration	3%
297.00	298.00	1.00	260320	0.054	Sericitic alteration	0%
298.00	299.00	1.00	260321	0.064	Sericitic alteration	4%
299.00	300.00	1.00	260322	0.027	Sericitic alteration	1%
300.00	301.46	1.46	260323	0.038	Sericitic alteration	1%
301.46	302.55	1.09	260325	0.078	Sericitic alteration	3%
302.55	304.00	1.45	260326	0.027	Sericitic alteration	1%
304.00	305.00	1.00	260327	0.041	Sericitic alteration	4%
305.00	306.00	1.00	260328	0.048	Sericitic alteration	4%
306.00	307.00	1.00	260329	0.069	Sericitic alteration	1%
307.00	308.00	1.00	260331	0.274	Sericitic alteration	1%
308.00	309.00	1.00	260332	0.005	Sericitic alteration	4%
309.00	310.00	1.00	260333	0.032	Sericitic alteration	3%
310.00	311.00	1.00	260334	0.029	Sericitic alteration	2%
311.00	312.00	1.00	260335	0.161	Sericitic alteration	1%
312.00	312.75	0.75	260337	0.005	Sericitic alteration	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>312.75</b>	<b>314.08</b>	<b>Diabase</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
312.75	314.08	1.33	260338	0.005	Epidote alteration	0%	Fgr to aphanitic, black, massive, plagioclase porphyritic, moderately magnetic

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>314.08</b>	<b>359.64</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
314.08	315.00	0.92	260339	0.297	Sericitic alteration	1%	Mgr, massive, grey, equigranular
315.00	316.00	1.00	260340	0.083	Sericitic alteration	2%	
316.00	316.80	0.80	260341	0.222	Sericitic alteration	1%	
316.80	318.00	1.20	260342	0.130	Sericitic alteration	16%	
318.00	319.77	1.77	260343	0.095	Sericitic alteration	2%	
319.77	320.00	0.23	260344	0.242	Sericitic alteration	3%	
320.00	321.00	1.00	260345	0.098	Sericitic alteration	1%	
321.00	322.00	1.00	260346	0.102	Sericitic alteration	2%	
322.00	323.00	1.00	260347	0.088	Sericitic alteration	5%	
323.00	324.00	1.00	260349	0.095	Sericitic alteration	1%	
324.00	325.00	1.00	260351	0.161	Sericitic alteration	1%	
325.00	326.00	1.00	260352	2.178	Sericitic alteration	3%	

326.00	326.90	0.90	260353	0.385	Sericitic alteration	1%	
326.90	328.00	1.10	260354	1.103	Sericitic alteration	1%	
328.00	329.00	1.00	260355	0.577	Sericitic alteration	1%	
329.00	330.00	1.00	260356	0.177	Sericitic alteration	1%	
330.00	331.00	1.00	260357	1.192	Silicified	5%	
331.00	332.00	1.00	260358	0.202	Sericitic alteration	1%	
332.00	333.00	1.00	260359	0.304	Sericitic alteration	1%	
333.00	334.00	1.00	260361	0.152	Sericitic alteration	3%	
334.00	335.00	1.00	260362	0.080	Sericitic alteration	1%	
335.00	336.00	1.00	260363	0.155	Sericitic alteration	1%	
336.00	337.00	1.00	260364	0.391	Sericitic alteration	1%	
337.00	338.00	1.00	260365	0.098	Sericitic alteration	1%	
338.00	339.00	1.00	260366	2.451	Sericitic alteration	1%	
339.00	340.00	1.00	260367	0.177	Sericitic alteration	1%	
340.00	341.00	1.00	260368	0.528	Sericitic alteration	1%	
341.00	342.00	1.00	260369	2.169	Sericitic alteration	5%	
342.00	343.00	1.00	260371	0.192	Sericitic alteration	2%	
343.00	344.00	1.00	260373	0.696	Sericitic alteration	5%	
344.00	345.00	1.00	260374	0.394	Sericitic alteration	4%	
345.00	346.00	1.00	260375	1.740	Sericitic alteration	9%	
346.00	347.00	1.00	260376	0.451	Sericitic alteration	1%	
347.00	348.00	1.00	260377	0.296	Sericitic alteration	1%	
348.00	349.00	1.00	260378	0.029	Sericitic alteration	1%	Increased biotite fracturing
349.00	350.00	1.00	260379	2.201	Sericitic alteration	3%	
350.00	351.00	1.00	260380	0.236	Sericitic alteration	1%	
351.00	352.00	1.00	260381	0.074	Sericitic alteration	2%	
352.00	353.00	1.00	260382	6.510	Sericitic alteration	3%	
353.00	354.00	1.00	260385	0.881	Sericitic alteration	3%	
354.00	355.00	1.00	260386	1.250	Sericitic alteration	2%	
355.00	356.00	1.00	260387	0.142	Sericitic alteration	0%	
356.00	357.00	1.00	260388	0.107	Sericitic alteration	2%	
357.00	358.00	1.00	260389	1.428	Sericitic alteration	1%	
358.00	359.00	1.00	260391	0.546	Sericitic alteration	7%	
359.00	359.64	0.64	260392	0.147	Sericitic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>359.64</b>	<b>361.87</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
359.64	361.00	1.36	260393	0.005	Carbonate Altered	9%	Fgr, grey/black, massive to weak fol, biotite porphyritic
361.00	361.87	0.87	260394	0.005	Carbonate Altered	2%	



<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>361.87</b>	<b>379.52</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
361.87	363.00	1.13	260395	0.299	Sericitic alteration	8%	Mgr, massive, grey, equigranular
363.00	364.00	1.00	260397	1.044	Sericitic alteration	2%	
364.00	365.00	1.00	260398	0.114	Sericitic alteration	2%	
365.00	366.00	1.00	260399	0.055	Sericitic alteration	8%	
366.00	367.00	1.00	260400	0.311	Sericitic alteration	1%	
367.00	368.00	1.00	260401	0.054	Sericitic alteration	1%	
368.00	369.00	1.00	260402	0.618	Sericitic alteration	2%	
369.00	370.00	1.00	260403	0.180	Sericitic alteration	0%	
370.00	371.00	1.00	260404	0.054	Sericitic alteration	2%	
371.00	372.00	1.00	260405	0.172	Sericitic alteration	2%	
372.00	373.00	1.00	260406	0.146	Sericitic alteration	4%	
373.00	374.00	1.00	260407	0.091	Sericitic alteration	0%	
374.00	375.00	1.00	260408	0.151	Sericitic alteration	1%	
375.00	376.00	1.00	260409	0.397	Sericitic alteration	2%	
376.00	377.00	1.00	260411	0.072	Sericitic alteration	1%	
377.00	378.00	1.00	260413	0.577	Sericitic alteration	1%	
378.00	379.52	1.52	260414	0.105	Sericitic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>379.52</b>	<b>380.75</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
379.52	380.75	1.23	260415	0.009	Unaltered	2%	Fgr, grey/black, massive to foliated, biotite porphyritic

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>380.75</b>	<b>424.66</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
380.75	382.00	1.25	260416	0.024	Sericitic alteration	0%	Mgr, massive, grey, equigranular
382.00	383.00	1.00	260417	0.060	Sericitic alteration	2%	
383.00	384.00	1.00	260418	0.128	Sericitic alteration	1%	
384.00	385.00	1.00	260419	0.202	Sericitic alteration	0%	
385.00	386.00	1.00	260420	0.262	Sericitic alteration	1%	
386.00	387.00	1.00	260421	0.239	Sericitic alteration	1%	
387.00	387.83	0.83	260422	0.621	Sericitic alteration	1%	
387.83	389.00	1.17	260423	3.630	Sericitic alteration	15%	
389.00	390.00	1.00	260425	0.924	Sericitic alteration	1%	
390.00	391.00	1.00	260426	3.770	Sericitic alteration	1%	
391.00	392.00	1.00	260427	0.134	Sericitic alteration	1%	
392.00	393.00	1.00	260428	0.063	Sericitic alteration	1%	
393.00	394.00	1.00	260429	0.088	Sericitic alteration	1%	
394.00	395.00	1.00	260431	0.115	Sericitic alteration	1%	

395.00	396.00	1.00	260432	0.057	Sericitic alteration	1%	
396.00	397.00	1.00	260433	0.204	Sericitic alteration	0%	
397.00	398.00	1.00	260434	0.318	Sericitic alteration	3%	
398.00	399.00	1.00	260435	0.011	Sericitic alteration	10%	
399.00	400.00	1.00	260437	0.045	Sericitic alteration	0%	
400.00	400.90	0.90	260438	0.188	Sericitic alteration	5%	
400.90	402.00	1.10	260439	0.333	Sericitic alteration	7%	
402.00	403.00	1.00	260440	0.172	Sericitic alteration	0%	
403.00	404.00	1.00	260441	0.203	Sericitic alteration	2%	
404.00	405.00	1.00	260442	0.084	Sericitic alteration	1%	
405.00	406.00	1.00	260443	0.387	Sericitic alteration	3%	
406.00	407.00	1.00	260444	0.046	Sericitic alteration	4%	
407.00	408.00	1.00	260445	0.038	Sericitic alteration	0%	
408.00	409.00	1.00	260446	0.037	Sericitic alteration	3%	
409.00	410.00	1.00	260447	0.024	Sericitic alteration	4%	Diorite dike or fragment or lamprophyre dike from 409.47- 409.89
410.00	411.00	1.00	260449	0.301	Sericitic alteration	0%	
411.00	412.14	1.14	260451	0.065	Sericitic alteration	3%	Diorite dike or fragment or lamprophyre dike from 441.87- 442.14 m
412.14	413.00	0.86	260452	0.718	Sericitic alteration	4%	
413.00	413.94	0.94	260453	0.936	Sericitic alteration	0%	
413.94	415.00	1.06	260454	0.127	Sericitic alteration	1%	
415.00	416.00	1.00	260455	1.388	Sericitic alteration	1%	
416.00	417.00	1.00	260456	0.385	Sericitic alteration	1%	
417.00	418.00	1.00	260457	1.830	Sericitic alteration	6%	
418.00	419.00	1.00	260459	1.778	Sericitic alteration	1%	
419.00	420.00	1.00	260461	0.258	Sericitic alteration	1%	
420.00	421.00	1.00	260462	0.081	Sericitic alteration	1%	
421.00	422.00	1.00	260463	0.184	Sericitic alteration	2%	
422.00	423.00	1.00	260464	0.089	Sericitic alteration	3%	
423.00	424.00	1.00	260465	0.100	Sericitic alteration	2%	
424.00	424.66	0.66	260466	0.723	Sericitic alteration	2%	

# DRILL HOLE REPORT

Drill Hole **GOS20-53** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 330.0  
 Dip -60.0  
 Length 435.0 m  
 Started 30-Sep-20  
 Completed 12-Oct-20  
 Logged 04-Nov-20  
 Logged by Justin Bisailon

Company  
 Contractor Chenier Drilling  
 Position  
 Bore Size BQTK  
 Sample Storage Klondike Lodge  
 Casing STEEL  
 Condition Cemented

Survey Details:

Claim Number MLO-10658  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool DGPS

Coordinates:

Target  
 Comments JB Logging 340m to 435m.

Easting 431076.00  
 Northing 5267837.00  
 UTM Datum NAD83  
 UTM Zone 17 Elevation 380.60

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
24.0	329.92	-59.47				57.0	331.13	-59.63			
33.0	331.00	-58.89				60.0	330.96	-59.76			
36.0	330.93	-59.41				63.0	330.92	-59.79			
39.0	331.28	-59.47				66.0	331.01	-59.79			
42.0	331.26	-59.50				69.0	330.20	-59.72			
45.0	331.43	-59.57				72.0	330.29	-59.78			
48.0	331.19	-59.61				75.0	330.44	-59.82			
50.0	331.63	-59.23				78.0	330.46	-59.92			
51.0	331.23	-59.48				81.0	331.21	-59.20			
54.0	331.06	-59.68				84.0	330.74	-59.96			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
87.0	330.62	-60.01			
90.0	330.84	-60.03			
93.0	330.56	-60.06			
96.0	331.62	-60.10			
99.0	330.49	-60.19			
102.0	331.16	-60.22			
105.0	331.52	-60.28			
108.0	330.62	-60.35			
111.0	331.10	-60.40			
114.0	331.39	-60.44			
117.0	330.57	-60.51			
120.0	331.47	-60.52			
123.0	331.44	-60.50			
126.0	331.79	-60.58			
129.0	331.27	-60.67			
132.0	331.42	-60.70			
135.0	331.46	-60.72			
138.0	331.53	-60.71			
141.0	331.46	-60.74			
144.0	330.47	-60.80			
147.0	330.32	-60.83			
150.0	332.22	-60.87			
153.0	331.89	-60.86			
156.0	331.55	-60.87			
159.0	331.03	-60.91			
162.0	332.21	-60.90			
165.0	333.18	-60.95			
168.0	332.37	-60.93			
171.0	333.33	-60.93			
174.0	333.04	-60.95			
177.0	332.68	-61.02			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
180.0	333.15	-61.05			
183.0	333.47	-61.12			
186.0	333.42	-61.19			
192.0	333.53	-61.21			
195.0	333.77	-61.25			
198.0	333.98	-61.32			
201.0	333.85	-61.33			
204.0	333.96	-61.36			
207.0	334.11	-61.30			
210.0	334.04	-61.26			
213.0	334.07	-61.21			
216.0	334.17	-61.20			
225.0	334.35	-61.13			
228.0	334.29	-61.09			
231.0	334.28	-61.07			
234.0	334.40	-61.05			
237.0	334.08	-61.05			
240.0	334.12	-61.05			
243.0	335.15	-61.02			
246.0	335.05	-60.96			
249.0	335.59	-60.88			
253.0	336.79	-60.71			
255.0	335.29	-60.71			
258.0	335.14	-60.69			
261.0	335.21	-60.65			
264.0	335.34	-60.66			
267.0	335.34	-60.63			
270.0	334.69	-60.86			
273.0	335.60	-60.58			
279.0	335.82	-60.57			
282.0	335.98	-60.54			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
285.0	336.06	-60.48			
288.0	336.13	-60.45			
291.0	336.25	-60.44			
294.0	336.21	-60.43			
297.0	336.34	-60.39			
300.0	336.39	-60.42			
303.0	336.52	-60.41			
306.0	336.04	-60.35			
309.0	335.85	-60.30			
312.0	336.86	-60.22			
315.0	337.08	-60.20			
318.0	337.75	-60.16			
321.0	337.82	-60.16			
324.0	337.46	-60.00			
327.0	337.46	-59.99			
330.0	337.44	-59.97			
333.0	338.11	-59.70			
336.0	338.48	-59.57			
339.0	338.42	-59.49			
342.0	338.54	-59.39			
345.0	338.71	-59.31			
348.0	338.69	-59.29			
351.0	338.85	-59.19			
354.0	338.69	-59.02			
357.0	339.39	-58.79			
360.0	339.61	-58.66			
363.0	339.86	-58.52			
366.0	339.91	-58.50			
369.0	340.06	-58.41			
372.0	340.26	-58.42			
375.0	340.41	-58.39			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
378.0	340.67	-58.39			
381.0	340.75	-58.41			
384.0	340.88	-58.35			
387.0	341.17	-58.28			
390.0	341.27	-58.15			
393.0	341.28	-58.08			
396.0	341.46	-57.99			
399.0	341.81	-57.91			
402.0	342.06	-57.80			
405.0	342.61	-57.54			
408.0	342.71	-57.55			
411.0	343.26	-57.54			
414.0	343.14	-57.54			
417.0	343.21	-57.60			
420.0	343.16	-57.57			
423.0	343.34	-57.56			
426.0	343.37	-57.48			
429.0	343.37	-57.38			
432.0	342.77	-57.33			
435.0	343.82	-57.18			

From	To	Lithologic Group					
0.00	17.22	Overburden					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	17.22	17.22			Unaltered		
From	To	Lithologic Group					
17.22	19.10	Quartz diorite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
17.22	18.47	1.25	260467	0.047	Chloritic alteration	1%	Medium to fine grained, mostly melanocratic with minor leucocratic subintervals. Massive texture with randomly oriented amphiboles, with feldspar laths and qtz clots. Weakly and patchily magnetic.
18.47	19.10	0.63	260468	0.005	Chloritic alteration	1%	
From	To	Lithologic Group					
19.10	20.25	Diorite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
19.10	20.25	1.15	260469	0.006	Chloritic alteration	1%	Fine to medium grained, dark green to black rock. Massive texture. Weakly and patchily magnetic.
From	To	Lithologic Group					
20.25	20.90	Quartz diorite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
20.25	20.90	0.65	260471	0.096	Chloritic alteration	1%	
From	To	Lithologic Group					
20.90	25.00	Diorite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
20.90	22.00	1.10	260473	0.005	Chloritic alteration	1%	
22.00	23.00	1.00	260474	0.005	Chloritic alteration	2%	
23.00	24.00	1.00	260475	0.013	Chloritic alteration	1%	
24.00	25.00	1.00	260476	0.007	Chloritic alteration	3%	
From	To	Lithologic Group					
25.00	25.85	Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
25.00	25.85	0.85	260477	0.015	Hematitic alteration	10%	Fine to medium grained, massive, granitic textured rock. Weak and patchy magnetism.

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>25.85</b>	<b>29.50</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
25.85	27.00	1.15	260478	0.006	Chloritic alteration	2%	
27.00	28.00	1.00	260479	0.023	Chloritic alteration	1%	
28.00	29.50	1.50	260480	0.007	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>29.50</b>	<b>31.05</b>	<b>Tonalite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
29.50	30.25	0.75	260481	0.007	Chloritic alteration	1%	Tonalite matrix (same as above Tonalite) with cm to dm scale subrounded fragments of fine grained diorite.
30.25	31.05	0.80	260482	0.005	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>31.05</b>	<b>33.80</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
31.05	32.00	0.95	260483	0.005	Chloritic alteration	1%	
32.00	33.00	1.00	260485	0.027	Chloritic alteration	1%	
33.00	33.80	0.80	260486	0.131	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>33.80</b>	<b>35.25</b>	<b>Tonalite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
33.80	35.25	1.45	260487	0.034	Chloritic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>35.25</b>	<b>36.90</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
35.25	36.00	0.75	260488	0.005	Chloritic alteration	1%	Fine grained, massive, dark green rock. Sharp contacts with bounding rocks. Moderately magnetic.
36.00	36.90	0.90	260489	0.005	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>36.90</b>	<b>39.35</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
36.90	38.15	1.25	260491	0.139	Silicified	18%	
38.15	39.35	1.20	260492	0.005	Silicified	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>39.35</b>	<b>41.70</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
39.35	40.50	1.15	260493	0.019	Chloritic alteration	1%	
40.50	41.70	1.20	260494	0.011	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>41.70</b>	<b>42.25</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
41.70	42.25	0.55	260495	0.007	Silicified	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>42.25</b>	<b>44.95</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
42.25	43.00	0.75	260497	0.046	Chloritic alteration	2%	
43.00	44.00	1.00	260498	0.045	Chloritic alteration	3%	
44.00	44.95	0.95	260499	0.034	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>44.95</b>	<b>45.95</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
44.95	45.95	1.00	260500	0.017	Silicified	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>45.95</b>	<b>47.60</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
45.95	47.00	1.05	256867	0.028	Chloritic alteration	4%	Diorite matrix (same as above) with dm scale subrounded fragments of tonalite.
47.00	47.60	0.60	256868	0.015	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>47.60</b>	<b>95.30</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
47.60	49.00	1.40	256869	0.031	Silicified	3%	
49.00	50.00	1.00	256871	0.056	Silicified	3%	
50.00	51.00	1.00	256873	0.033	Silicified	3%	
51.00	52.00	1.00	256874	0.033	Silicified	4%	
52.00	53.00	1.00	256875	0.038	Silicified	2%	
53.00	54.00	1.00	256876	0.015	Silicified	2%	
54.00	54.55	0.55	256877	0.049	Silicified	5%	
54.55	55.58	1.03	256878	0.312	Silicified	3%	
55.58	57.00	1.42	256879	0.024	Silicified	3%	
57.00	58.00	1.00	256880	0.028	Silicified	3%	
58.00	59.00	1.00	256881	0.046	Silicified	3%	
59.00	60.00	1.00	256882	0.369	Silicified	2%	
60.00	61.00	1.00	256883	0.131	Silicified	2%	
61.00	62.00	1.00	256885	0.198	Silicified	3%	
62.00	63.00	1.00	256886	0.076	Silicified	2%	
63.00	64.00	1.00	256887	0.100	Silicified	2%	
64.00	65.00	1.00	256888	0.164	Silicified	3%	
65.00	66.00	1.00	256889	0.138	Silicified	2%	



66.00	67.00	1.00	256891	0.262	Silicified	3%
67.00	68.00	1.00	256892	2.548	Silicified	2%
68.00	69.00	1.00	256893	0.060	Silicified	2%
69.00	70.00	1.00	256894	0.160	Silicified	2%
70.00	71.15	1.15	256895	0.039	Sericitic alteration	4%
71.15	72.00	0.85	256897	0.010	Silicified	15%
72.00	73.00	1.00	256898	0.074	Silicified	1%
73.00	74.00	1.00	256899	0.236	Silicified	3%
74.00	75.15	1.15	256900	1.798	Sericitic alteration	1%
75.15	76.00	0.85	256901	0.698	Silicified	1%
76.00	77.00	1.00	256902	0.018	Silicified	3%
77.00	78.00	1.00	256903	0.015	Silicified	1%
78.00	79.00	1.00	256904	0.437	Silicified	13%
79.00	80.00	1.00	256905	0.070	Silicified	1%
80.00	81.00	1.00	256906	0.058	Silicified	2%
81.00	82.00	1.00	256907	0.451	Silicified	17%
82.00	83.00	1.00	256908	0.092	Sericitic alteration	2%
83.00	84.00	1.00	256909	0.131	Silicified	1%
84.00	85.00	1.00	256911	0.117	Silicified	4%
85.00	86.00	1.00	256913	4.850	Silicified	4%
86.00	87.00	1.00	256914	0.046	Silicified	5%
87.00	88.00	1.00	256915	0.040	Silicified	3%
88.00	89.00	1.00	256916	0.209	Silicified	1%
89.00	90.00	1.00	256917	0.099	Silicified	3%
90.00	91.00	1.00	256918	0.072	Silicified	1%
91.00	92.00	1.00	256919	0.017	Silicified	2%
92.00	93.00	1.00	256920	0.058	Silicified	2%
93.00	94.00	1.00	256921	0.190	Silicified	2%
94.00	95.30	1.30	256922	0.037	Silicified	13%

From	To	Lithologic Group	
95.30	103.85	Lamprophyre Dyke	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
95.30	96.00	0.70	256923	0.013	Biotitic alteration	3%	Medium grained, moderately foliated, dark brown, biotite- and carbonate-rich rock
96.00	97.50	1.50	256925	0.005	Biotitic alteration	1%	
97.50	99.00	1.50	256926	0.015	Biotitic alteration	1%	25% HEM-altered, dm scale subrounded Ton fragments
99.00	100.50	1.50	256927	0.005	Biotitic alteration	2%	
100.50	102.00	1.50	256928	0.009	Biotitic alteration	2%	13% HEM-altered, dm scale subrounded Ton fragments
102.00	103.00	1.00	256929	0.005	Biotitic alteration	2%	
103.00	103.85	0.85	256931	0.010	Biotitic alteration	1%	

<b>From</b> <b>103.85</b>	<b>To</b> <b>139.85</b>	<b>Lithologic Group</b>					
<b>Tonalite</b>							
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
103.85	105.00	1.15	256932	0.022	Silicified	1%	
105.00	106.00	1.00	256933	0.046	Silicified	7%	
106.00	107.00	1.00	256934	0.092	Silicified	1%	
107.00	108.00	1.00	256935	0.085	Silicified	1%	
108.00	109.00	1.00	256937	0.048	Silicified	1%	
109.00	110.00	1.00	256938	0.017	Silicified	1%	
110.00	111.00	1.00	256939	0.011	Silicified	3%	
111.00	112.00	1.00	256940	0.240	Silicified	1%	
112.00	113.00	1.00	256941	0.027	Silicified	1%	
113.00	114.00	1.00	256942	0.030	Silicified	2%	
114.00	115.00	1.00	256943	0.016	Silicified	1%	
115.00	116.00	1.00	256944	0.094	Silicified	1%	
116.00	117.00	1.00	256945	0.045	Sericitic alteration	1%	
117.00	118.00	1.00	256946	0.038	Silicified	1%	
118.00	119.00	1.00	256947	0.089	Silicified	2%	
119.00	120.00	1.00	256949	0.011	Silicified	1%	
120.00	121.00	1.00	256951	0.041	Silicified	2%	
121.00	122.00	1.00	256952	0.136	Silicified	1%	
122.00	123.00	1.00	256953	0.082	Silicified	4%	
123.00	124.00	1.00	256954	0.133	Silicified	3%	
124.00	125.00	1.00	256955	0.038	Silicified	1%	
125.00	126.00	1.00	256956	0.185	Sericitic alteration	1%	
126.00	127.00	1.00	256957	0.045	Silicified	5%	
127.00	128.00	1.00	256958	0.239	Silicified	1%	
128.00	129.00	1.00	256959	0.152	Silicified	4%	
129.00	130.10	1.10	256961	1.891	Sericitic alteration	3%	
130.10	131.00	0.90	256962	0.114	Silicified	1%	
131.00	132.00	1.00	256963	0.147	Silicified	3%	
132.00	133.00	1.00	256964	0.097	Silicified	2%	
133.00	134.00	1.00	256965	0.154	Silicified	2%	
134.00	135.00	1.00	256966	0.034	Silicified	4%	
135.00	136.00	1.00	256967	0.068	Silicified	1%	
136.00	137.00	1.00	256968	0.111	Sericitic alteration	1%	
137.00	138.00	1.00	256969	0.093	Silicified	2%	
138.00	139.00	1.00	256971	0.561	Sericitic alteration	6%	
139.00	139.85	0.85	256973	1.102	Silicified	3%	

<b>From</b> <b>139.85</b>	<b>To</b> <b>143.65</b>	<b>Lithologic Group</b>					
<b>Lamprophyre Dyke</b>							
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

139.85	141.00	1.15	256974	0.409	Chloritic alteration	3%
141.00	142.30	1.30	256975	0.139	Biotitic alteration	1%
142.30	143.65	1.35	256976	0.237	Biotitic alteration	3%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>143.65</b>	<b>203.15</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
143.65	145.00	1.35	256977	0.274	Silicified	1%	
145.00	146.00	1.00	256978	0.072	Silicified	1%	
146.00	147.00	1.00	256979	0.207	Silicified	2%	
147.00	148.00	1.00	256980	0.612	Silicified	1%	
148.00	149.00	1.00	256981	1.074	Silicified	1%	
149.00	150.00	1.00	256982	0.176	Silicified	1%	
150.00	151.50	1.50	256983	0.105	Silicified	2%	
151.50	153.00	1.50	256985	0.167	Sericitic alteration	1%	
153.00	154.00	1.00	256986	0.046	Sericitic alteration	1%	
154.00	155.00	1.00	256987	0.250	Sericitic alteration	1%	
155.00	156.00	1.00	256988	0.134	Silicified	2%	
156.00	157.00	1.00	256989	0.020	Silicified	1%	
157.00	158.00	1.00	256991	0.020	Silicified	1%	
158.00	159.00	1.00	256992	0.043	Silicified	2%	
159.00	160.00	1.00	256993	0.053	Silicified	1%	
160.00	161.00	1.00	256994	0.096	Sericitic alteration	1%	
161.00	162.00	1.00	256995	0.092	Silicified	2%	
162.00	163.00	1.00	256997	0.040	Sericitic alteration	12%	
163.00	164.00	1.00	256998	0.011	Sericitic alteration	8%	
164.00	165.00	1.00	256999	0.070	Sericitic alteration	7%	
165.00	166.00	1.00	257000	0.104	Silicified	2%	
166.00	167.00	1.00	1076355	0.091	Silicified	3%	
167.00	168.00	1.00	1076356	0.113	Silicified	6%	
168.00	169.00	1.00	1076357	0.030	Silicified	1%	
169.00	170.50	1.50	1076358	0.233	Silicified	2%	
170.50	172.00	1.50	1076359	0.088	Sericitic alteration	3%	
172.00	173.00	1.00	1076361	0.052	Sericitic alteration	1%	
173.00	174.00	1.00	1076362	0.036	Sericitic alteration	1%	
174.00	175.00	1.00	1076363	0.010	Sericitic alteration	1%	
175.00	176.00	1.00	1076364	0.011	Sericitic alteration	1%	
176.00	177.00	1.00	1076365	0.040	Sericitic alteration	1%	15% mafic dyke
177.00	178.00	1.00	1076366	0.018	Sericitic alteration	1%	
178.00	179.00	1.00	1076367	0.015	Sericitic alteration	1%	
179.00	180.00	1.00	1076368	0.048	Sericitic alteration	1%	
180.00	181.00	1.00	1076369	0.051	Sericitic alteration	1%	
181.00	182.00	1.00	1076371	0.062	Silicified	6%	

182.00	183.00	1.00	1076373	0.018	Silicified	2%
183.00	184.00	1.00	1076374	0.061	Silicified	2%
184.00	185.00	1.00	1076375	0.054	Silicified	13%
185.00	186.00	1.00	1076376	0.071	Silicified	2%
186.00	187.00	1.00	1076377	0.121	Silicified	2%
187.00	188.00	1.00	1076378	0.058	Silicified	5%
188.00	189.00	1.00	1076379	0.035	Sericitic alteration	1%
189.00	190.00	1.00	1076380	0.113	Sericitic alteration	2%
190.00	191.00	1.00	1076381	0.184	Sericitic alteration	1%
191.00	192.00	1.00	1076382	0.139	Sericitic alteration	3%
192.00	193.00	1.00	1076383	0.071	Sericitic alteration	12%
193.00	194.00	1.00	1076385	0.149	Sericitic alteration	2%
194.00	195.00	1.00	1076386	0.062	Sericitic alteration	6%
195.00	196.00	1.00	1076387	0.456	Sericitic alteration	3%
196.00	197.00	1.00	1076388	0.155	Sericitic alteration	8%
197.00	198.00	1.00	1076389	0.334	Silicified	1%
198.00	199.00	1.00	1076391	0.292	Silicified	4%
199.00	200.00	1.00	1076392	0.134	Silicified	1%
200.00	201.00	1.00	1076393	0.465	Silicified	3%
201.00	202.00	1.00	1076394	0.758	Silicified	1%
202.00	203.15	1.15	1076395	0.639	Silicified	2%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>203.15</b>	<b>205.29</b>	<b>Lost Core</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
203.15	205.29	2.14			Unaltered		

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>205.29</b>	<b>226.20</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
205.29	206.00	0.71	1076397	0.262	Silicified	5%	
206.00	207.00	1.00	1076398	0.400	Silicified	2%	
207.00	208.00	1.00	1076399	0.241	Silicified	2%	
208.00	209.00	1.00	1076400	0.267	Silicified	1%	
209.00	210.00	1.00	1076401	0.370	Silicified	1%	
210.00	211.00	1.00	1076402	0.121	Silicified	1%	
211.00	212.00	1.00	1076403	0.105	Silicified	1%	
212.00	213.00	1.00	1076404	0.158	Silicified	1%	
213.00	214.00	1.00	1076405	0.035	Silicified	2%	
214.00	215.00	1.00	1076406	0.366	Silicified	1%	
215.00	216.00	1.00	1076407	0.005	Silicified	1%	
216.00	217.00	1.00	1076408	0.271	Silicified	2%	
217.00	218.00	1.00	1076409	0.679	Silicified	2%	
218.00	219.00	1.00	1076411	0.222	Silicified	7%	

219.00	220.00	1.00	1076413	0.017	Silicified	3%
220.00	221.00	1.00	1076414	0.040	Silicified	1%
221.00	222.00	1.00	1076415	0.025	Silicified	1%
222.00	223.00	1.00	1076416	0.289	Silicified	2%
223.00	224.00	1.00	1076417	0.015	Silicified	4%
224.00	225.00	1.00	1076418	0.075	Silicified	5%
225.00	226.20	1.20	1076419	0.072	Silicified	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>226.20</b>	<b>226.90</b>	<b>Lamprophyre Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
226.20	226.90	0.70	1076420	0.032	Biotitic alteration		

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>226.90</b>	<b>240.45</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
226.90	228.00	1.10	1076421	0.088	Silicified	3%	
228.00	229.00	1.00	1076422	0.051	Silicified	1%	
229.00	230.00	1.00	1076423	0.047	Silicified	1%	
230.00	231.00	1.00	1076425	0.046	Silicified	1%	
231.00	232.05	1.05	1076426	0.035	Silicified	2%	
232.05	233.00	0.95	1076427	0.090	Silicified	1%	
233.00	234.00	1.00	1076428	0.225	Silicified	1%	
234.00	235.00	1.00	1076429	0.259	Silicified	1%	
235.00	236.00	1.00	1076431	0.094	Silicified	2%	
236.00	237.00	1.00	1076432	0.187	Silicified	1%	
237.00	238.00	1.00	1076433	0.171	Silicified	1%	
238.00	239.00	1.00	1076434	0.207	Silicified	1%	
239.00	240.45	1.45	1076435	0.079	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>240.45</b>	<b>241.90</b>	<b>Diabase</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
240.45	241.90	1.45	1076437	0.005	Unaltered	0%	Very fine grained, magnetic, black and white, porphyritic rock. Mafic, fine grained matrix with cm scale glomerophyres of feldspar laths

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>241.90</b>	<b>247.35</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
241.90	243.00	1.10	1076438	0.099	Silicified	2%	
243.00	244.00	1.00	1076439	0.123	Silicified	1%	
244.00	245.00	1.00	1076440	0.410	Silicified	2%	
245.00	245.80	0.80	1076441	0.098	Silicified	5%	
245.80	246.60	0.80	1076442	0.261	Silicified	2%	

246.60	247.35	0.75	1076443	0.842	Silicified	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
247.35	249.00		Quartz diorite				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
247.35	248.00	0.65	1076444	0.051	Chloritic alteration	3%	
248.00	249.00	1.00	1076445	0.468	Chloritic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
249.00	250.40		Quartz Diorite Breccia				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
249.00	250.40	1.40	1076446	0.036	Chloritic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
250.40	251.20		Tonalite				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
250.40	251.20	0.80	1076447	0.689	Silicified	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
251.20	254.00		Quartz Diorite Breccia				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
251.20	252.00	0.80	1076449	0.015	Chloritic alteration	2%	Dm-scale subrounded fragments of TON in QDR matrix
252.00	253.00	1.00	1076451	0.549	Chloritic alteration	3%	
253.00	254.00	1.00	1076452	0.340	Chloritic alteration	5%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
254.00	256.00		Quartz diorite				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
254.00	255.00	1.00	1076453	1.307	Chloritic alteration	3%	
255.00	256.00	1.00	1076454	0.219	Chloritic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
256.00	257.00		Tonalite				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
256.00	257.00	1.00	1076455	0.181	Silicified	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
257.00	258.00		Quartz Diorite Breccia				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
257.00	258.00	1.00	1076456	0.092	Silicified	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
258.00	260.80		Tonalite				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
258.00	259.00	1.00	1076457	0.030	Silicified	4%	
259.00	260.00	1.00	1076458	0.090	Silicified	2%	
260.00	260.80	0.80	1076459	0.045	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>260.80</b>	<b>263.05</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
260.80	262.00	1.20	1076461	0.953	Chloritic alteration	4%	
262.00	263.05	1.05	1076462	1.104	Chloritic alteration	1%	40% DIA
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>263.05</b>	<b>338.55</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
263.05	264.00	0.95	1076463	0.235	Sericitic alteration	3%	
264.00	265.00	1.00	1076464	0.025	Sericitic alteration	2%	
265.00	265.55	0.55	1076465	0.005	Silicified	1%	
265.55	267.00	1.45	1076466	0.554	Sericitic alteration	1%	
267.00	267.55	0.55	1076467	0.061	Sericitic alteration	2%	
267.55	268.95	1.40	1076468	0.071	Silicified	1%	
268.95	270.00	1.05	1076469	0.045	Sericitic alteration	1%	
270.00	271.00	1.00	1076471	0.129	Sericitic alteration	2%	
271.00	272.00	1.00	1076473	0.195	Sericitic alteration	3%	
272.00	273.00	1.00	1076474	2.087	Sericitic alteration	1%	
273.00	274.00	1.00	1076475	0.055	Sericitic alteration	2%	
274.00	275.00	1.00	1076476	0.166	Sericitic alteration	2%	
275.00	276.00	1.00	1076477	0.138	Sericitic alteration	2%	
276.00	277.00	1.00	1076478	0.072	Sericitic alteration	3%	
277.00	278.00	1.00	1076479	0.016	Sericitic alteration	3%	
278.00	279.00	1.00	1076480	0.118	Sericitic alteration	1%	
279.00	280.00	1.00	1076481	0.046	Sericitic alteration	1%	
280.00	281.00	1.00	1076482	0.046	Sericitic alteration	2%	
281.00	282.00	1.00	1076483	0.011	Silicified	1%	
282.00	283.00	1.00	1076485	0.020	Silicified	1%	
283.00	284.00	1.00	1076486	0.064	Silicified	2%	
284.00	285.00	1.00	1076487	0.189	Sericitic alteration	1%	
285.00	286.00	1.00	1076488	0.005	Sericitic alteration	2%	
286.00	287.00	1.00	1076489	0.005	Sericitic alteration	2%	
287.00	288.00	1.00	1076491	0.005	Sericitic alteration	2%	
288.00	289.00	1.00	1076492	0.005	Sericitic alteration	2%	
289.00	290.00	1.00	1076493	0.277	Sericitic alteration	1%	
290.00	291.00	1.00	1076494	0.459	Sericitic alteration	3%	
291.00	292.00	1.00	1076495	0.172	Silicified	3%	
292.00	293.00	1.00	1076497	0.249	Silicified	3%	
293.00	294.00	1.00	1076498	0.299	Silicified	4%	
294.00	295.00	1.00	1076499	0.260	Silicified	2%	
295.00	296.00	1.00	1076500	0.116	Silicified	1%	
296.00	297.00	1.00	258501	0.167	Silicified	1%	

297.00	298.00	1.00	258502	0.062	Silicified	1%
298.00	299.00	1.00	258503	0.057	Silicified	3%
299.00	300.00	1.00	258504	0.620	Silicified	1%
300.00	301.00	1.00	258505	0.472	Silicified	1%
301.00	302.00	1.00	258506	0.145	Silicified	1%
302.00	303.00	1.00	258507	0.035	Silicified	1%
303.00	304.00	1.00	258508	0.126	Silicified	1%
304.00	305.00	1.00	258509	0.059	Silicified	1%
305.00	306.00	1.00	258511	0.081	Silicified	1%
306.00	307.00	1.00	258513	0.964	Silicified	4%
307.00	308.00	1.00	258514	0.128	Silicified	3%
308.00	309.00	1.00	258515	0.129	Silicified	1%
309.00	310.00	1.00	258516	0.132	Silicified	2%
310.00	311.00	1.00	258517	0.181	Silicified	3%
311.00	312.00	1.00	258518	0.116	Silicified	2%
312.00	313.00	1.00	258519	0.012	Silicified	1%
313.00	314.00	1.00	258520	0.009	Silicified	2%
314.00	315.00	1.00	258521	0.181	Silicified	2%
315.00	316.00	1.00	258522	0.175	Silicified	1%
316.00	317.00	1.00	258523	0.120	Silicified	5%
317.00	318.00	1.00	258525	0.586	Sericitic alteration	3%
318.00	319.00	1.00	258526	0.105	Silicified	2%
319.00	320.00	1.00	258527	0.151	Silicified	4%
320.00	321.00	1.00	258528	0.234	Sericitic alteration	2%
321.00	321.75	0.75	258529	0.015	Sericitic alteration	5%
321.75	322.65	0.90	258531	1.129	Silicified	3%
322.65	324.00	1.35	258532	0.329	Silicified	3%
324.00	324.80	0.80	258533	0.163	Silicified	2%
324.80	326.20	1.40	258534	2.710	Silicified	1%
326.20	327.00	0.80	258535	0.141	Silicified	3%
327.00	328.00	1.00	258537	0.934	Silicified	2%
328.00	329.00	1.00	258538	0.118	Silicified	2%
329.00	330.00	1.00	258539	0.111	Silicified	1%
330.00	331.00	1.00	258540	0.140	Silicified	4%
331.00	332.00	1.00	258541	0.438	Silicified	1%
332.00	333.00	1.00	258542	3.160	Silicified	6%
333.00	334.00	1.00	258543	3.720	Silicified	4%
334.00	335.00	1.00	258544	0.213	Silicified	4%
335.00	336.00	1.00	258545	0.402	Silicified	3%
336.00	337.00	1.00	258546	0.037	Silicified	1%
337.00	338.00	1.00	258547	0.298	Silicified	1%
338.00	338.55	0.55	258549	0.888	Silicified	6%



<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>338.55</b>	<b>339.10</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
338.55	339.10	0.55	258551	3.240	Chloritic alteration	50%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>339.10</b>	<b>407.82</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
339.10	340.00	0.90	258552	0.507	Sericitic alteration	2%	
340.00	341.00	1.00	258553	0.348	Sericitic alteration	2%	Justin started logging
341.00	342.00	1.00	258554	0.075	Sericitic alteration	1%	
342.00	343.00	1.00	258555	0.040	Sericitic alteration	1%	
343.00	344.05	1.05	258556	5.670	Sericitic alteration	15%	VG in vein with Cpy at 343.93 meters.
344.05	345.00	0.95	258558	0.006	Sericitic alteration	1%	
345.00	346.00	1.00	258559	3.000	Sericitic alteration	2%	
346.00	347.17	1.17	258561	0.511	Sericitic alteration	2%	
347.17	348.07	0.90	258562	0.394	Sericitic alteration	1%	
348.07	348.96	0.89	258563	0.818	Sericitic alteration	3%	
348.96	350.00	1.04	258564	0.787	Sericitic alteration	2%	
350.00	350.87	0.87	258565	0.695	Sericitic alteration	2%	
350.87	352.00	1.13	258566	3.600	Sericitic alteration	5%	few specs of VG in vein at 350.95 meters.
352.00	353.19	1.19	258568	0.457	Sericitic alteration	4%	
353.19	354.12	0.93	258569	0.365	Sericitic alteration	4%	
354.12	355.00	0.88	258571	6.670	Sericitic alteration	4%	
355.00	356.00	1.00	258573	0.454	Sericitic alteration	4%	
356.00	357.00	1.00	258574	0.986	Sericitic alteration	1%	
357.00	358.00	1.00	258575	0.251	Silicified	1%	
358.00	359.00	1.00	258576	0.019	Silicified	1%	
359.00	360.00	1.00	258577	1.695	Silicified	4%	
360.00	361.00	1.00	258578	0.555	Silicified	4%	
361.00	362.00	1.00	258579	12.500	Sericitic alteration	5%	
362.00	363.00	1.00	258580	0.837	Silicified	3%	
363.00	364.00	1.00	258581	0.286	Sericitic alteration	3%	VG in veins at 363.58 and 363.66 meters.
364.00	365.00	1.00	258583	0.210	Sericitic alteration	3%	
365.00	366.00	1.00	258585	0.613	Sericitic alteration	1%	
366.00	367.00	1.00	258587	0.223	Sericitic alteration	3%	
367.00	368.05	1.05	258588	0.239	Sericitic alteration	3%	
368.05	369.00	0.95	258589	0.991	Sericitic alteration	4%	
369.00	370.00	1.00	258591	0.318	Sericitic alteration	2%	
370.00	370.98	0.98	258592	1.036	Sericitic alteration	4%	
370.98	372.04	1.06	258593	1.906	Sericitic alteration	3%	

372.04	373.00	0.96	258594	0.313	Sericitic alteration	2%
373.00	374.04	1.04	258595	0.137	Sericitic alteration	6%
374.04	375.00	0.96	258597	0.068	Sericitic alteration	2%
375.00	376.00	1.00	258598	0.247	Sericitic alteration	1%
376.00	377.00	1.00	258599	0.048	Sericitic alteration	1%
377.00	378.00	1.00	258600	0.113	Sericitic alteration	1%
378.00	379.00	1.00	258601	1.016	Sericitic alteration	2%
379.00	379.96	0.96	258602	0.009	Sericitic alteration	1%
379.96	381.11	1.15	258603	0.352	Sericitic alteration	3%
381.11	382.00	0.89	258605	0.513	Sericitic alteration	2%
382.00	383.00	1.00	258606	0.886	Sericitic alteration	2%
383.00	384.00	1.00	258608	0.890	Sericitic alteration	25%
384.00	385.28	1.28	258611	2.358	Sericitic alteration	40%
385.28	386.00	0.72	258613	0.092	Sericitic alteration	2%
386.00	387.00	1.00	258614	0.113	Sericitic alteration	3%
387.00	388.00	1.00	258616	0.275	Sericitic alteration	2%
388.00	389.00	1.00	258617	1.157	Sericitic alteration	2%
389.00	390.00	1.00	258618	1.764	Sericitic alteration	3%
390.00	391.00	1.00	258619	0.314	Sericitic alteration	4%
391.00	392.00	1.00	258620	1.072	Sericitic alteration	4%
392.00	393.00	1.00	258621	2.801	Sericitic alteration	3%
393.00	394.00	1.00	258622	0.264	Sericitic alteration	5%
394.00	394.97	0.97	258623	0.770	Sericitic alteration	5%
394.97	396.00	1.03	258625	0.289	Sericitic alteration	4%
396.00	396.95	0.95	258626	1.282	Sericitic alteration	2%
396.95	398.00	1.05	258627	1.401	Sericitic alteration	2%
398.00	399.00	1.00	258628	0.270	Sericitic alteration	2%
399.00	400.00	1.00	258629	1.268	Sericitic alteration	2%
400.00	401.00	1.00	258631	0.261	Sericitic alteration	2%
401.00	402.00	1.00	258632	0.077	Sericitic alteration	3%
402.00	403.00	1.00	258633	0.766	Sericitic alteration	2%
403.00	404.00	1.00	258634	0.059	Sericitic alteration	2%
404.00	405.00	1.00	258635	0.117	Sericitic alteration	2%
405.00	406.00	1.00	258637	0.030	Sericitic alteration	3%
406.00	407.00	1.00	258638	0.268	Sericitic alteration	4%
407.00	407.82	0.82	258639	0.327	Sericitic alteration	3%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>407.82</b>	<b>409.00</b>	<b>Mafic Dyke</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
407.82	409.00	1.18	258640	0.008	Sericitic alteration	5%	fine grained, foliated, equigranular, grey

<b>From</b> <b>409.00</b>	<b>To</b> <b>435.00</b>	<b>Lithologic Group</b>					
		<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
409.00	409.76	0.76	258641	0.115	Sericitic alteration	8%	
409.76	411.00	1.24	258642	0.458	Sericitic alteration	3%	medium grained, massive equigranular, light grey
411.00	412.00	1.00	258643	0.197	Sericitic alteration	5%	
412.00	413.00	1.00	258644	2.323	Sericitic alteration	3%	
413.00	414.00	1.00	258645	0.087	Sericitic alteration	2%	
414.00	415.00	1.00	258646	0.259	Sericitic alteration	5%	
415.00	416.00	1.00	258647	0.158	Sericitic alteration	0%	
416.00	417.00	1.00	258649	1.210	Sericitic alteration	2%	red mineral in vein=sphalerite?
417.00	418.00	1.00	258651	0.477	Sericitic alteration	1%	
418.00	419.13	1.13	258652	0.279	Sericitic alteration	50%	
419.13	420.00	0.87	258653	0.827	Sericitic alteration	40%	
420.00	421.00	1.00	258654	0.434	Sericitic alteration	3%	
421.00	422.00	1.00	258655	0.176	Sericitic alteration	1%	
422.00	423.00	1.00	258656	0.319	Sericitic alteration	2%	
423.00	424.00	1.00	258657	0.074	Sericitic alteration	1%	
424.00	425.00	1.00	258658	6.970	Sericitic alteration	1%	
425.00	426.00	1.00	258659	24.100	Sericitic alteration	2%	
426.00	427.00	1.00	258661	0.439	Sericitic alteration	2%	
427.00	428.00	1.00	258662	1.263	Sericitic alteration	2%	
428.00	429.00	1.00	258663	1.195	Sericitic alteration	2%	
429.00	430.00	1.00	258664	0.405	Sericitic alteration	2%	
430.00	431.00	1.00	258665	0.005	Sericitic alteration	2%	
431.00	432.00	1.00	258666	0.106	Sericitic alteration	2%	
432.00	433.00	1.00	258667	0.016	Sericitic alteration	2%	
433.00	434.00	1.00	258668	0.436	Sericitic alteration	5%	
434.00	435.00	1.00	258669	0.360	Sericitic alteration	3%	EOH

# DRILL HOLE REPORT

Drill Hole **GOS20-54** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth	325.0	Company	
Dip	-58.0	Contractor	Chenier Drilling
Length	275.0 m	Position	
Started	01-Oct-20	Bore Size	BQTK
Completed	07-Oct-20	Sample Storage	Actlabs
Logged	05-Nov-20	Casing	STEEL
Logged by	Justin Bisailon	Condition	Capped

Survey Details:

Claim Number	PAT-11117
Property	Chester
Township	Chester
Spotted by	
Surveyed by	
Collar Orientation	Single-shot (unspecified)
Coord Survey Tool	DGPS

Target  
Comments

Coordinates:  
 Easting 430690.61  
 UTM Datum NAD83 Northing 5267425.63  
 UTM Zone 17 Elevation 394.54

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
5.0	325.45	-59.81				32.0	325.54	-59.75			
8.0	324.47	-59.82				35.0	325.60	-59.76			
11.0	325.11	-59.87				38.0	325.45	-59.76			
14.0	325.30	-59.83				41.0	325.54	-59.74			
17.0	325.23	-59.82				44.0	325.59	-59.70			
20.0	325.21	-59.81				47.0	325.41	-59.75			
23.0	325.49	-59.80				50.0	325.73	-59.70			
24.0	324.87	-59.86				53.0	325.63	-59.70			
26.0	325.48	-59.78				56.0	326.36	-58.77			
29.0	325.52	-59.78				59.0	325.68	-59.63			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
62.0	325.59	-59.67			
65.0	325.58	-59.63			
68.0	325.34	-59.62			
71.0	325.02	-59.52			
74.0	324.87	-59.48			
77.0	325.96	-58.64			
80.0	325.19	-59.54			
83.0	325.10	-59.44			
86.0	325.34	-59.38			
89.0	325.61	-59.30			
95.0	325.99	-59.23			
98.0	326.04	-59.04			
101.0	325.85	-59.01			
104.0	326.09	-59.00			
107.0	326.08	-58.94			
110.0	326.19	-58.88			
113.0	326.38	-58.89			
116.0	326.68	-58.85			
119.0	326.75	-58.85			
122.0	326.86	-58.80			
125.0	326.90	-58.67			
128.0	326.89	-58.65			
131.0	327.03	-58.65			
134.0	327.14	-58.63			
137.0	327.22	-58.56			
140.0	327.34	-58.54			
143.0	327.96	-58.30			
146.0	327.53	-58.58			
149.0	327.56	-58.61			
150.0	328.10	-58.56			
152.0	327.73	-58.52			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
155.0	327.76	-58.48			
158.0	328.00	-58.49			
161.0	328.08	-58.42			
164.0	328.17	-58.43			
167.0	328.31	-58.39			
170.0	328.28	-58.36			
173.0	328.29	-58.28			
176.0	328.37	-58.10			
179.0	328.30	-58.12			
182.0	328.29	-58.12			
185.0	328.30	-58.00			
188.0	328.44	-57.99			
191.0	328.50	-57.94			
194.0	328.67	-57.90			
197.0	328.71	-57.86			
200.0	328.50	-57.89			
202.0	329.30	-57.76			
203.0	328.75	-57.83			
206.0	328.88	-57.83			
209.0	329.03	-57.75			
212.0	329.10	-57.75			
215.0	329.29	-57.71			
218.0	329.41	-57.73			
221.0	329.21	-57.71			
224.0	329.58	-57.67			
227.0	329.61	-57.65			
230.0	329.76	-57.64			
233.0	329.61	-57.66			
236.0	329.66	-57.66			
239.0	329.75	-57.67			
242.0	329.71	-57.69			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
245.0	329.84	-57.68			
248.0	329.66	-57.70			
251.0	329.80	-57.66			
252.0	330.42	-57.76			
254.0	329.82	-57.66			
257.0	329.81	-57.65			
260.0	329.84	-57.62			
263.0	329.94	-57.63			
266.0	330.00	-57.62			
269.0	330.00	-57.59			
272.0	329.92	-57.63			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
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From	To	Lithologic Group					
0.00	13.20	Overburden					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	13.20	13.20			Unaltered	0%	x
From	To	Lithologic Group					
13.20	16.70	Lamprophyre Dyke					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
13.20	14.00	0.80	259501	0.006	Unaltered	4%	x
14.00	15.00	1.00	259502	0.014	Unaltered	7%	x
15.00	16.00	1.00	259503	0.013	Unaltered	7%	x
16.00	16.70	0.70	259504	0.007	Unaltered	4%	x
From	To	Lithologic Group					
16.70	18.70	Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
16.70	18.00	1.30	259505	0.005	Hematitic alteration	3%	x
18.00	18.70	0.70	259506	0.764	Hematitic alteration	2%	x
From	To	Lithologic Group					
18.70	19.50	Mafic Dyke					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
18.70	19.50	0.80	259507	0.131	Chloritic alteration	7%	x
From	To	Lithologic Group					
19.50	21.00	Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
19.50	21.00	1.50	259508	0.053	Silicified	1%	x
From	To	Lithologic Group					
21.00	22.00	Quartz Diorite Breccia					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
21.00	22.00	1.00	259509	0.071	Chloritic alteration	3%	x
From	To	Lithologic Group					
22.00	24.00	Quartz diorite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
22.00	23.00	1.00	259511	0.085	Chloritic alteration	2%	x
23.00	24.00	1.00	259513	0.203	Chloritic alteration	2%	x
From	To	Lithologic Group					
24.00	25.00	Quartz Diorite Breccia					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
24.00	25.00	1.00	259514	0.182	Silicified	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>25.00</b>	<b>28.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
25.00	26.00	1.00	259515	0.057	Sericitic alteration	4%	x
26.00	27.00	1.00	259516	0.170	Sericitic alteration	4%	x
27.00	28.00	1.00	259517	0.076	Sericitic alteration	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>28.00</b>	<b>33.30</b>	<b>Quartz Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
28.00	29.00	1.00	259518	1.197	Chloritic alteration	4%	x
29.00	30.00	1.00	259519	0.340	Chloritic alteration	4%	x
30.00	31.00	1.00	259520	0.196	Chloritic alteration	2%	x
31.00	32.00	1.00	259521	0.159	Chloritic alteration	2%	x
32.00	33.30	1.30	259522	1.210	Chloritic alteration	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>33.30</b>	<b>37.10</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
33.30	34.00	0.70	259523	0.033	Silicified	2%	x
34.00	35.00	1.00	259525	0.009	Silicified	3%	x
35.00	36.00	1.00	259526	4.430	Sericitic alteration	5%	x
36.00	37.10	1.10	259527	0.089	Sericitic alteration	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>37.10</b>	<b>38.00</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
37.10	38.00	0.90	259528	0.984	Chloritic alteration	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>38.00</b>	<b>39.00</b>	<b>Quartz Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
38.00	39.00	1.00	259529	0.362	Chloritic alteration	10%	x ton ?
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>39.00</b>	<b>42.95</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
39.00	40.00	1.00	259531	0.484	Chloritic alteration	6%	x
40.00	40.85	0.85	259532	0.084	Chloritic alteration	4%	x
40.85	42.00	1.15	259533	0.538	Biotitic alteration	1%	x
42.00	42.95	0.95	259534	0.175	Biotitic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>42.95</b>	<b>44.30</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
42.95	44.30	1.35	259535	0.179	Silicified	3%	x



<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>44.30</b>	<b>46.30</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
44.30	45.00	0.70	259537	0.005	Unaltered	3%	x
45.00	46.30	1.30	259538	0.006	Unaltered	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>46.30</b>	<b>49.10</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
46.30	47.00	0.70	259539	0.251	Silicified	4%	x broken core (flt)
47.00	48.00	1.00	259540	0.605	Silicified	5%	x broken core (flt)
48.00	49.10	1.10	259541	0.889	Silicified	15%	x broken core (flt)
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>49.10</b>	<b>51.95</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
49.10	50.00	0.90	259542	0.005	Unaltered	2%	x
50.00	51.00	1.00	259543	0.005	Unaltered	2%	x
51.00	51.95	0.95	259544	0.064	Unaltered	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>51.95</b>	<b>84.10</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
51.95	53.00	1.05	259545	0.143	Chloritic alteration	3%	x
53.00	54.00	1.00	259546	0.163	Sericitic alteration	5%	x
54.00	55.00	1.00	259547	0.197	Sericitic alteration	2%	x
55.00	56.00	1.00	259549	0.118	Silicified	2%	x
56.00	57.00	1.00	259551	2.800	Sericitic alteration	4%	x
57.00	58.00	1.00	259552	0.817	Sericitic alteration	4%	x
58.00	59.00	1.00	259553	0.316	Sericitic alteration	3%	x
59.00	60.00	1.00	259554	0.713	Sericitic alteration	7%	x
60.00	61.00	1.00	259555	0.096	Silicified	2%	x
61.00	62.00	1.00	259556	0.028	Silicified	5%	x
62.00	63.00	1.00	259557	0.232	Sericitic alteration	3%	x
63.00	64.00	1.00	259558	0.325	Sericitic alteration	2%	x
64.00	65.00	1.00	259559	0.569	Sericitic alteration	4%	x
65.00	66.00	1.00	259561	0.213	Sericitic alteration	4%	x
66.00	67.00	1.00	259562	0.096	Sericitic alteration	6%	x
67.00	68.00	1.00	259563	0.612	Sericitic alteration	6%	x
68.00	69.00	1.00	259564	0.300	Sericitic alteration	3%	x
69.00	70.00	1.00	259565	0.286	Sericitic alteration	2%	x
70.00	71.00	1.00	259566	0.168	Sericitic alteration	3%	x
71.00	72.00	1.00	259567	0.350	Sericitic alteration	3%	x
72.00	73.00	1.00	259568	0.370	Silicified	3%	x
73.00	74.00	1.00	259569	0.744	Sericitic alteration	4%	x

74.00	75.00	1.00	259571	0.268	Silicified	3%	x
75.00	76.00	1.00	259573	0.047	Silicified	2%	x
76.00	77.00	1.00	259574	0.087	Silicified	2%	x
77.00	78.00	1.00	259575	0.126	Silicified	1%	x
78.00	79.00	1.00	259576	0.029	Silicified	8%	x
79.00	80.00	1.00	259577	0.016	Silicified	5%	x
80.00	81.00	1.00	259578	0.153	Silicified	7%	x
81.00	82.00	1.00	259579	0.044	Silicified	1%	x
82.00	83.00	1.00	259580	0.130	Silicified	2%	x
83.00	84.10	1.10	259581	10.200	Silicified	20%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>84.10</b>	<b>100.00</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
84.10	85.00	0.90	259582	1.810	Chloritic alteration	10%	x
85.00	86.00	1.00	259583	2.681	Chloritic alteration	5%	x
86.00	87.00	1.00	259585	0.931	Chloritic alteration	8%	x
87.00	88.00	1.00	259586	1.683	Chloritic alteration	1%	x
88.00	89.00	1.00	259587	0.005	Chloritic alteration	1%	x
89.00	90.00	1.00	259588	0.005	Chloritic alteration	2%	x
90.00	91.00	1.00	259589	0.283	Chloritic alteration	4%	x
91.00	92.00	1.00	259591	0.378	Chloritic alteration	3%	x
92.00	93.00	1.00	259592	0.153	Chloritic alteration	1%	x
93.00	94.00	1.00	259593	0.024	Chloritic alteration	1%	x
94.00	95.00	1.00	259594	0.018	Chloritic alteration	1%	x
95.00	96.00	1.00	259595	0.005	Chloritic alteration	2%	x
96.00	97.00	1.00	259597	0.008	Chloritic alteration	2%	x
97.00	98.00	1.00	259598	0.015	Chloritic alteration	3%	x
98.00	99.00	1.00	259599	0.151	Chloritic alteration	2%	x
99.00	100.00	1.00	259600	0.011	Chloritic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>100.00</b>	<b>102.70</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
100.00	101.00	1.00	259601	0.789	Chloritic alteration	1%	x
101.00	102.00	1.00	259602	0.730	Chloritic alteration	1%	x
102.00	102.70	0.70	259603	0.234	Chloritic alteration	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>102.70</b>	<b>104.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
102.70	104.00	1.30	259604	0.339	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>104.00</b>	<b>104.50</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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104.00	104.50	0.50	259605	0.015	Chloritic alteration	1%	x
<b>From</b> <b>104.50</b>	<b>To</b> <b>105.90</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
104.50	105.90	1.40	259606	0.061	Silicified	2%	x
<b>From</b> <b>105.90</b>	<b>To</b> <b>108.40</b>		<b>Lithologic Group</b> <b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
105.90	107.00	1.10	259607	0.005	Chloritic alteration	4%	x
107.00	108.40	1.40	259608	0.005	Chloritic alteration	6%	x
<b>From</b> <b>108.40</b>	<b>To</b> <b>109.70</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
108.40	109.70	1.30	259609	0.070	Silicified	2%	x
<b>From</b> <b>109.70</b>	<b>To</b> <b>112.60</b>		<b>Lithologic Group</b> <b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
109.70	111.00	1.30	259611	0.005	Chloritic alteration	3%	x
111.00	112.60	1.60	259613	0.005	Chloritic alteration	8%	x
<b>From</b> <b>112.60</b>	<b>To</b> <b>119.70</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
112.60	114.00	1.40	259614	0.405	Silicified	4%	x
114.00	115.00	1.00	259615	0.142	Silicified	3%	x
115.00	116.00	1.00	259616	0.133	Silicified	3%	x
116.00	117.00	1.00	259617	0.110	Silicified	6%	x
117.00	118.00	1.00	259618	0.152	Silicified	6%	x
118.00	119.00	1.00	259619	0.232	Silicified	4%	x
119.00	119.70	0.70	259620	0.083	Silicified	12%	x QDR?
<b>From</b> <b>119.70</b>	<b>To</b> <b>138.00</b>		<b>Lithologic Group</b> <b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
119.70	121.00	1.30	259621	0.202	Chloritic alteration	2%	x
121.00	122.00	1.00	259622	0.630	Chloritic alteration	3%	x
122.00	123.00	1.00	259623	0.142	Chloritic alteration	2%	x
123.00	124.00	1.00	259625	0.020	Chloritic alteration	1%	x
124.00	124.75	0.75	259626	0.034	Chloritic alteration	3%	x
124.75	126.00	1.25	259627	0.005	Chloritic alteration	10%	x Small grain dyke
126.00	127.00	1.00	259628	0.005	Chloritic alteration	3%	x Small grain dyke
127.00	128.00	1.00	259629	0.005	Chloritic alteration	2%	x Small grain dyke
128.00	129.00	1.00	259631	0.005	Chloritic alteration	2%	x Small grain dyke

129.00	130.00	1.00	259632	0.005	Chloritic alteration	2%	x Small grain dyke
130.00	130.90	0.90	259633	0.413	Chloritic alteration	3%	x Small grain dyke
130.90	132.00	1.10	259634	0.096	Chloritic alteration	2%	x
132.00	133.00	1.00	259635	0.005	Chloritic alteration	2%	x
133.00	134.00	1.00	259637	0.005	Chloritic alteration	1%	x
134.00	135.00	1.00	259638	0.005	Chloritic alteration	2%	x
135.00	136.00	1.00	259639	0.035	Chloritic alteration	1%	x
136.00	137.00	1.00	259640	0.026	Chloritic alteration	1%	x
137.00	138.00	1.00	259641	0.006	Chloritic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>138.00</b>	<b>139.00</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
138.00	139.00	1.00	259642	0.005	Chloritic alteration	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>139.00</b>	<b>140.75</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
139.00	140.00	1.00	259643	0.056	Chloritic alteration	2%	x
140.00	140.75	0.75	259644	0.086	Chloritic alteration	4%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>140.75</b>	<b>156.10</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
140.75	142.00	1.25	259645	0.324	Chloritic alteration	1%	x small fragment of ton
142.00	143.00	1.00	259646	0.212	Chloritic alteration	3%	x
143.00	144.00	1.00	259647	0.188	Chloritic alteration	3%	x
144.00	145.00	1.00	259649	0.050	Biotitic alteration	3%	x
145.00	146.00	1.00	259651	0.054	Biotitic alteration	6%	x
146.00	147.00	1.00	259652	0.076	Biotitic alteration	10%	x
147.00	148.00	1.00	259653	0.006	Biotitic alteration	1%	x
148.00	149.00	1.00	259654	0.005	Biotitic alteration	4%	x
149.00	150.00	1.00	259655	0.311	Biotitic alteration	2%	x
150.00	151.00	1.00	259656	0.025	Biotitic alteration	1%	x
151.00	152.00	1.00	259657	0.034	Biotitic alteration	1%	x
152.00	153.00	1.00	259658	0.055	Biotitic alteration	2%	x
153.00	154.00	1.00	259659	0.107	Biotitic alteration	8%	x
154.00	155.00	1.00	259661	0.060	Biotitic alteration	8%	x
155.00	156.10	1.10	259662	0.015	Biotitic alteration	6%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>156.10</b>	<b>159.00</b>	<b>Tonalite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
156.10	157.00	0.90	259663	0.010	Biotitic alteration	4%	x
157.00	158.00	1.00	259664	0.026	Biotitic alteration	2%	x
158.00	159.00	1.00	259665	0.041	Silicified	2%	x

<b>From</b> 159.00	<b>To</b> 275.00	<b>Lithologic Group</b>					
		<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
159.00	160.00	1.00	259666	0.009	Silicified	2%	x
160.00	161.00	1.00	259667	0.073	Silicified	2%	x
161.00	162.00	1.00	259668	0.073	Silicified	5%	x
162.00	163.00	1.00	259669	0.051	Silicified	3%	x
163.00	164.00	1.00	259671	0.130	Silicified	3%	x
164.00	165.00	1.00	259673	0.087	Silicified	15%	x
165.00	166.00	1.00	259674	0.108	Silicified	2%	x
166.00	167.00	1.00	259675	0.097	Silicified	2%	x
167.00	168.00	1.00	259676	0.356	Silicified	2%	x
168.00	169.00	1.00	259677	0.292	Silicified	2%	x
169.00	170.00	1.00	259678	0.145	Silicified	2%	x
170.00	171.00	1.00	259679	0.223	Silicified	3%	x
171.00	172.00	1.00	259680	0.380	Silicified	6%	x
172.00	173.00	1.00	259681	0.075	Silicified	2%	x
173.00	174.00	1.00	259682	0.033	Silicified	6%	x
174.00	175.00	1.00	259683	0.080	Silicified	3%	x
175.00	176.00	1.00	259685	0.137	Silicified	2%	x
176.00	177.00	1.00	259686	0.170	Silicified	1%	x
177.00	178.00	1.00	259687	0.147	Silicified	2%	x
178.00	179.00	1.00	259688	1.373	Silicified	1%	x
179.00	180.00	1.00	259689	0.492	Silicified	2%	x
180.00	181.00	1.00	259691	1.104	Silicified	4%	x
181.00	182.00	1.00	259692	0.874	Silicified	3%	x
182.00	183.00	1.00	259693	0.377	Silicified	2%	x
183.00	184.00	1.00	259694	0.785	Silicified	3%	x
184.00	185.00	1.00	259695	1.594	Silicified	6%	x
185.00	186.00	1.00	259697	1.232	Silicified	2%	x
186.00	187.00	1.00	259698	0.782	Silicified	1%	Justin started logging, medium grained, massive, light grey
187.00	188.00	1.00	259699	0.524	Sericitic alteration	2%	x
188.00	189.00	1.00	259700	0.151	Sericitic alteration	1%	x
189.00	190.00	1.00	259701	0.198	Sericitic alteration	3%	x
190.00	191.00	1.00	259702	0.462	Sericitic alteration	2%	x
191.00	192.00	1.00	259703	0.235	Sericitic alteration	1%	light pinkish grey
192.00	193.00	1.00	259704	0.086	Sericitic alteration	1%	x
193.00	194.00	1.00	259705	0.032	Sericitic alteration	1%	x
194.00	195.00	1.00	259706	0.112	Sericitic alteration	3%	x
195.00	196.06	1.06	259707	0.038	Sericitic alteration	2%	x
196.06	197.00	0.94	259708	0.005	Sericitic alteration	3%	medium grey
197.00	197.87	0.87	259709	0.348	Sericitic alteration	3%	x

197.87	198.58	0.71	259711	0.021	Sericitic alteration	1%	light grey
198.58	199.71	1.13	259713	0.038	Sericitic alteration	1%	light pinkish grey
199.71	201.00	1.29	259714	0.473	Sericitic alteration	4%	x, 15 cm of HdBx
201.00	202.00	1.00	259715	0.222	Sericitic alteration	2%	x
202.00	203.00	1.00	259716	0.031	Sericitic alteration	1%	x
203.00	204.00	1.00	259717	0.015	Silicified	1%	light grey
204.00	205.00	1.00	259718	0.040	Silicified	1%	light pinkish grey
205.00	206.00	1.00	259719	0.092	Silicified	1%	x
206.00	207.00	1.00	259720	0.072	Silicified	2%	x
207.00	208.00	1.00	259721	0.009	Silicified	1%	x
208.00	209.00	1.00	259722	0.028	Silicified	1%	x
209.00	209.61	0.61	259723	0.021	Silicified	1%	x
209.61	211.00	1.39	259725	0.013	Sericitic alteration	7%	light grey
211.00	212.00	1.00	259726	0.005	Sericitic alteration	2%	light pinkish grey
212.00	213.00	1.00	259727	0.005	Sericitic alteration	1%	x
213.00	214.00	1.00	259728	0.036	Silicified	1%	x, one mafic fragment
214.00	215.00	1.00	259729	0.030	Silicified	2%	x, one mafic fragment.
215.00	216.00	1.00	259731	0.013	Silicified	1%	x
216.00	217.00	1.00	259732	0.011	Silicified	1%	x
217.00	218.00	1.00	259733	0.046	Sericitic alteration	2%	x
218.00	219.00	1.00	259734	1.123	Sericitic alteration	4%	x
219.00	220.00	1.00	259735	0.185	Sericitic alteration	4%	medium pinkish grey
220.00	221.00	1.00	259737	0.939	Silicified	2%	x
221.00	222.00	1.00	259738	1.283	Silicified	1%	x
222.00	223.00	1.00	259739	1.096	Silicified	2%	x
223.00	223.75	0.75	259740	0.022	Sericitic alteration	2%	x
223.75	225.00	1.25	259741	0.290	Sericitic alteration	4%	x
225.00	225.96	0.96	259742	0.032	Silicified	1%	light pinkish grey
225.96	227.13	1.17	259743	0.078	Silicified	1%	x
227.13	228.00	0.87	259744	0.056	Silicified	1%	x
228.00	228.98	0.98	259745	0.060	Silicified	1%	x
228.98	230.00	1.02	259746	0.047	Silicified	0%	x
230.00	231.00	1.00	259747	0.005	Silicified	0%	x
231.00	232.00	1.00	259749	0.018	Silicified	0%	x
232.00	233.00	1.00	259751	0.033	Silicified	2%	x
233.00	234.00	1.00	259752	0.049	Silicified	1%	x
234.00	235.00	1.00	259753	0.020	Silicified	2%	x
235.00	236.00	1.00	259754	0.005	Silicified	1%	x
236.00	237.00	1.00	259755	0.019	Silicified	1%	x
237.00	238.00	1.00	259756	0.005	Silicified	1%	x
238.00	238.91	0.91	259757	0.083	Silicified	1%	x
238.91	240.14	1.23	259758	0.552	Sericitic alteration	2%	x

240.14	240.92	0.78	259759	0.019	Sericitic alteration	2%	reddish grey
240.92	241.45	0.53	259761	1.784	Biotitic alteration	40%	30cm fine grained mafic dyke, two 8 cm veins, hematite alt. halo uphole and ser alt. halo downhole.
241.45	242.06	0.61	259762	0.030	Silicified	2%	light pinkish grey, medium grained, massive
242.06	243.00	0.94	259763	0.253	Silicified	2%	x
243.00	244.00	1.00	259764	0.033	Silicified	2%	x
244.00	245.00	1.00	259765	0.068	Silicified	1%	x
245.00	246.00	1.00	259766	0.149	Silicified	3%	x
246.00	247.04	1.04	259767	0.056	Sericitic alteration	3%	x
247.04	248.03	0.99	259768	14.200	Sericitic alteration	2%	x, few specs of vg in vein at 247.55m.
248.03	248.89	0.86	259770	0.127	Sericitic alteration	4%	x
248.89	250.22	1.33	259772	0.109	Sericitic alteration	2%	x
250.22	250.85	0.63	259773	0.320	Sericitic alteration	3%	medium grey
250.85	252.00	1.15	259774	0.063	Sericitic alteration	1%	light pinkish grey
252.00	253.36	1.36	259775	0.656	Sericitic alteration	3%	x
253.36	254.08	0.72	259776	0.033	Sericitic alteration	2%	x
254.08	255.00	0.92	259777	1.494	Sericitic alteration	2%	x
255.00	256.10	1.10	259778	0.943	Sericitic alteration	9%	light grey
256.10	257.00	0.90	259780	0.032	Sericitic alteration	5%	x
257.00	258.00	1.00	259781	0.048	Sericitic alteration	11%	light pinkish grey
258.00	259.00	1.00	259782	0.050	Sericitic alteration	0%	x
259.00	259.81	0.81	259783	0.067	Sericitic alteration	1%	x
259.81	261.00	1.19	259785	0.340	Sericitic alteration	1%	x
261.00	262.19	1.19	259786	0.510	Sericitic alteration	5%	x
262.19	263.00	0.81	259787	0.049	Sericitic alteration	1%	x
263.00	264.00	1.00	259788	0.042	Silicified	1%	x
264.00	265.00	1.00	259789	0.060	Sericitic alteration	2%	x
265.00	266.00	1.00	259791	0.092	Silicified	1%	x
266.00	267.00	1.00	259792	0.017	Sericitic alteration	1%	x
267.00	268.00	1.00	259793	0.516	Sericitic alteration	3%	x
268.00	269.00	1.00	259794	0.050	Sericitic alteration	1%	x
269.00	270.00	1.00	259795	0.041	Sericitic alteration	1%	x
270.00	271.00	1.00	259797	0.157	Sericitic alteration	1%	x
271.00	272.00	1.00	259798	0.131	Sericitic alteration	2%	x
272.00	273.00	1.00	259799	0.195	Sericitic alteration	1%	x
273.00	274.00	1.00	259800	0.107	Silicified	2%	x
274.00	275.00	1.00	259801	0.215	Silicified	1%	x EOH

# DRILL HOLE REPORT

Drill Hole **GOS20-55** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 330.0  
 Dip -60.0  
 Length 435.0 m  
 Started 07-Oct-20  
 Completed 17-Oct-20  
 Logged 22-Oct-20  
 Logged by Caitlin Beland

Company  
 Contractor Chenier Drilling  
 Position  
 Bore Size BQTK  
 Sample Storage Marathon Laydown  
 Casing STEEL  
 Condition Capped

Survey Details:

Claim Number PAT-11117  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool DGPS

Coordinates:

Target Easting 430719.56  
 Comments UTM Datum NAD83 Northing 5267344.66  
 UTM Zone 17 Elevation 399.64

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
8.5	329.62	-58.99				35.5	329.88	-58.73			
11.5	329.86	-59.06				38.5	329.92	-58.63			
12.0	329.88	-59.07				41.5	330.00	-58.58			
14.5	329.61	-59.19				44.5	329.87	-58.54			
17.5	329.38	-59.02				47.5	330.34	-58.48			
20.5	329.67	-58.96				50.5	330.43	-58.40			
23.5	329.62	-58.95				51.0	330.50	-58.46			
26.5	329.77	-58.74				53.5	330.61	-58.30			
29.5	329.85	-58.81				56.5	330.61	-58.21			
32.5	329.77	-58.79				59.5	330.78	-58.13			



Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
62.5	330.71	-58.08			
65.5	330.86	-58.04			
68.5	330.66	-57.99			
71.5	331.04	-57.94			
74.5	330.93	-57.85			
77.5	329.19	-57.81			
80.5	331.25	-57.64			
83.5	331.32	-57.58			
86.5	331.29	-57.51			
89.5	331.79	-57.42			
92.5	331.65	-57.36			
95.5	332.06	-56.89			
98.5	331.70	-57.20			
101.5	331.87	-57.18			
104.5	332.07	-57.17			
107.5	332.07	-57.16			
110.5	332.22	-57.14			
113.5	332.16	-57.12			
116.5	332.07	-57.06			
119.5	332.60	-56.94			
122.5	332.61	-56.78			
125.5	332.82	-56.73			
128.5	332.96	-56.66			
131.5	333.06	-56.51			
134.5	333.10	-56.45			
137.5	333.24	-56.41			
140.5	333.23	-56.37			
143.5	333.34	-56.36			
146.5	333.38	-56.29			
149.5	333.43	-56.26			
151.0	334.11	-56.23			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
152.5	333.50	-56.16			
155.5	333.65	-56.10			
158.5	333.76	-55.99			
161.5	333.75	-55.87			
164.5	333.43	-55.79			
167.5	334.45	-55.60			
170.5	334.41	-55.60			
173.5	334.75	-55.60			
176.5	334.55	-55.86			
179.5	334.85	-55.52			
182.5	334.98	-55.45			
185.5	334.55	-56.02			
188.5	335.10	-55.31			
191.5	335.11	-55.19			
194.5	335.56	-55.14			
197.5	335.73	-55.07			
200.5	335.86	-55.05			
203.5	336.04	-55.02			
206.5	336.01	-54.99			
209.5	336.25	-54.99			
212.5	336.20	-54.97			
215.5	336.31	-54.98			
218.5	336.37	-54.94			
221.5	336.48	-54.93			
224.5	336.36	-54.95			
227.5	336.40	-54.99			
230.5	336.60	-54.99			
233.5	336.59	-54.92			
236.5	336.74	-55.04			
239.5	336.80	-55.04			
242.5	336.80	-55.01			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
245.5	336.85	-55.11			
248.5	336.92	-55.14			
249.0	336.78	-55.18			
251.5	336.97	-55.09			
254.5	337.12	-55.04			
257.5	337.23	-55.03			
260.5	337.22	-55.02			
263.5	337.28	-55.01			
266.5	337.43	-54.97			
269.5	337.43	-54.97			
272.5	336.96	-54.94			
275.5	337.05	-54.95			
278.5	337.54	-54.94			
281.5	337.99	-54.81			
284.5	336.97	-54.78			
287.5	337.53	-54.79			
290.5	337.81	-54.80			
293.5	337.55	-54.79			
296.5	338.19	-54.82			
299.5	338.15	-54.80			
300.0	338.48	-54.86			
302.5	338.47	-54.83			
305.5	338.69	-54.81			
308.5	338.72	-54.80			
311.5	338.78	-54.82			
314.5	338.97	-54.80			
317.5	338.84	-54.82			
320.5	339.01	-54.77			
323.5	339.12	-54.81			
326.5	339.12	-54.79			
329.5	339.13	-54.76			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
332.5	339.03	-54.71			
335.5	338.87	-54.69			
338.5	338.83	-54.66			
341.5	338.85	-54.62			
344.5	338.93	-54.58			
347.5	339.02	-54.52			
350.5	339.00	-54.46			
351.0	338.90	-54.49			
353.5	339.07	-54.43			
356.5	339.13	-54.43			
359.5	339.16	-54.42			
362.5	339.23	-54.43			
365.5	339.27	-54.42			
368.5	339.35	-54.46			
371.5	339.48	-54.39			
374.5	339.45	-54.34			
377.5	339.47	-54.37			
380.5	339.52	-54.35			
383.5	339.61	-54.34			
386.5	339.54	-54.32			
389.5	339.85	-54.28			
392.5	339.85	-54.30			
395.5	340.03	-54.31			
398.5	340.32	-54.31			
401.5	340.41	-54.29			
404.5	340.55	-54.33			
407.5	340.86	-54.34			
410.5	341.15	-54.33			
413.5	341.34	-54.36			
416.5	341.64	-54.37			
419.5	341.75	-54.39			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
422.5	341.97	-54.38			
425.5	342.02	-54.38			
428.5	341.93	-54.44			
431.5	341.64	-54.49			
434.5	341.36	-54.46			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
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<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>0.00</b>	<b>1.00</b>	<b>Overburden</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	1.00	1.00			Unaltered		LK logging
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>1.00</b>	<b>14.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
1.00	1.78	0.78	257001	0.038	Sericitic alteration	0%	Mgr, massive, grey, equigranular
1.78	2.48	0.70	257002	2.115	Sericitic alteration	5%	
2.48	3.50	1.02	257003	47.500	Sericitic alteration	10%	Several fgr VG and moly in a quartz-sulphide vein
3.50	4.00	0.50	257005	0.050	Sericitic alteration	1%	
4.00	5.00	1.00	257006	0.028	Sericitic alteration	1%	
5.00	6.00	1.00	257007	0.094	Sericitic alteration	1%	
6.00	7.00	1.00	257008	0.258	Sericitic alteration	2%	
7.00	8.00	1.00	257009	0.112	Sericitic alteration	0%	
8.00	9.00	1.00	257011	0.052	Sericitic alteration	1%	
9.00	10.00	1.00	257013	0.137	Sericitic alteration	2%	
10.00	11.00	1.00	257014	0.134	Sericitic alteration	2%	
11.00	12.00	1.00	257015	0.013	Sericitic alteration	7%	
12.00	13.00	1.00	257016	0.017	Sericitic alteration	7%	
13.00	14.00	1.00	257017	0.049	Sericitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>14.00</b>	<b>15.12</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
14.00	15.12	1.12	257018	0.269	Chloritic alteration	3%	Fgr, massive to foliated, black, equigranular
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>15.12</b>	<b>39.35</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
15.12	16.00	0.88	257019	0.055	Sericitic alteration	1%	Mgr, massive, grey, equigranular
16.00	17.00	1.00	257020	0.059	Sericitic alteration	2%	
17.00	18.00	1.00	257021	0.026	Sericitic alteration	1%	
18.00	19.00	1.00	257022	0.101	Sericitic alteration	1%	
19.00	20.00	1.00	257023	0.102	Sericitic alteration	1%	
20.00	21.00	1.00	257025	2.358	Sericitic alteration	6%	
21.00	22.00	1.00	257026	0.019	Sericitic alteration	4%	
22.00	23.00	1.00	257027	0.041	Sericitic alteration	2%	
23.00	24.00	1.00	257028	0.101	Sericitic alteration	2%	

24.00	24.70	0.70	257029	0.057	Sericitic alteration	1%	
24.70	26.00	1.30	257031	0.032	Sericitic alteration	3%	
26.00	27.00	1.00	257032	0.011	Sericitic alteration	5%	
27.00	28.00	1.00	257033	0.076	Sericitic alteration	1%	
28.00	29.00	1.00	257034	0.011	Sericitic alteration	0%	
29.00	30.00	1.00	257035	0.005	Sericitic alteration	0%	
30.00	31.00	1.00	257037	0.044	Sericitic alteration	2%	
31.00	32.00	1.00	257038	0.112	Sericitic alteration	2%	
32.00	33.00	1.00	257039	0.090	Sericitic alteration	2%	
33.00	34.00	1.00	257040	0.051	Sericitic alteration	5%	
34.00	35.00	1.00	257041	0.027	Sericitic alteration	1%	
35.00	36.00	1.00	257042	0.152	Sericitic alteration	1%	
36.00	37.00	1.00	257043	0.062	Sericitic alteration	1%	CB logging from here downhole
37.00	38.00	1.00	257044	0.074	Sericitic alteration	2%	
38.00	39.35	1.35	257045	0.025	Sericitic alteration	18%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>39.35</b>	<b>41.05</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
39.35	40.11	0.76	257046	0.011	Chloritic alteration	10%	Mica-rich, strongly foliated, medium-grained, brown, non magnetic
40.11	41.05	0.94	257047	0.005	Chloritic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>41.05</b>	<b>142.05</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
41.05	42.00	0.95	257049	0.031	Sericitic alteration	2%	
42.00	43.00	1.00	257051	0.060	Sericitic alteration	1%	
43.00	44.00	1.00	257052	0.014	Sericitic alteration	1%	
44.00	45.00	1.00	257053	0.006	Sericitic alteration	1%	
45.00	46.00	1.00	257054	0.110	Sericitic alteration	1%	
46.00	47.00	1.00	257055	0.063	Sericitic alteration	3%	
47.00	48.00	1.00	257056	0.239	Sericitic alteration	2%	
48.00	49.00	1.00	257057	0.308	Sericitic alteration	3%	
49.00	50.00	1.00	257058	0.102	Sericitic alteration	2%	
50.00	51.00	1.00	257059	0.152	Sericitic alteration	1%	
51.00	52.00	1.00	257061	0.031	Sericitic alteration	1%	
52.00	53.00	1.00	257062	0.040	Sericitic alteration	1%	
53.00	54.00	1.00	257063	0.041	Sericitic alteration	1%	
54.00	55.05	1.05	257064	1.402	Sericitic alteration	9%	
55.05	56.00	0.95	257065	0.076	Sericitic alteration	1%	
56.00	57.00	1.00	257066	0.071	Sericitic alteration	3%	
57.00	58.00	1.00	257067	0.064	Sericitic alteration	2%	
58.00	59.00	1.00	257068	0.283	Sericitic alteration	2%	

59.00	60.05	1.05	257069	0.303	Sericitic alteration	12%
60.05	61.00	0.95	257071	0.220	Sericitic alteration	2%
61.00	62.00	1.00	257073	0.122	Sericitic alteration	1%
62.00	63.00	1.00	257074	0.011	Sericitic alteration	1%
63.00	64.00	1.00	257075	0.238	Sericitic alteration	3%
64.00	65.00	1.00	257076	0.500	Sericitic alteration	2%
65.00	66.00	1.00	257077	0.152	Sericitic alteration	1%
66.00	67.00	1.00	257078	0.145	Sericitic alteration	5%
67.00	68.00	1.00	257079	0.153	Sericitic alteration	1%
68.00	69.00	1.00	257080	0.417	Sericitic alteration	9%
69.00	70.00	1.00	257081	0.257	Sericitic alteration	1%
70.00	71.00	1.00	257082	0.133	Sericitic alteration	1%
71.00	72.00	1.00	257083	0.033	Sericitic alteration	1%
72.00	73.00	1.00	257085	0.019	Sericitic alteration	1%
73.00	74.00	1.00	257086	0.028	Sericitic alteration	1%
74.00	75.00	1.00	257087	0.225	Sericitic alteration	6%
75.00	76.00	1.00	257088	0.282	Sericitic alteration	1%
76.00	77.00	1.00	257089	0.317	Sericitic alteration	2%
77.00	78.00	1.00	257091	0.120	Sericitic alteration	1%
78.00	79.00	1.00	257092	0.211	Sericitic alteration	1%
79.00	80.00	1.00	257093	0.685	Sericitic alteration	2%
80.00	81.00	1.00	257094	0.193	Sericitic alteration	1%
81.00	82.00	1.00	257095	0.294	Sericitic alteration	1%
82.00	83.00	1.00	257097	0.215	Sericitic alteration	1%
83.00	84.00	1.00	257098	0.282	Sericitic alteration	1%
84.00	85.00	1.00	257099	0.129	Sericitic alteration	2%
85.00	86.00	1.00	257100	0.148	Sericitic alteration	1%
86.00	87.00	1.00	257101	0.117	Sericitic alteration	2%
87.00	88.00	1.00	257102	0.108	Sericitic alteration	5%
88.00	89.00	1.00	257103	0.172	Sericitic alteration	4%
89.00	90.00	1.00	257104	0.506	Sericitic alteration	1%
90.00	91.00	1.00	257105	0.438	Silicified	1%
91.00	92.00	1.00	257106	0.088	Silicified	2%
92.00	93.00	1.00	257107	0.140	Silicified	1%
93.00	94.00	1.00	257108	0.519	Silicified	1%
94.00	95.00	1.00	257109	0.091	Silicified	2%
95.00	96.00	1.00	257111	0.014	Silicified	1%
96.00	97.00	1.00	257113	0.261	Silicified	1%
97.00	98.05	1.05	257114	0.449	Silicified	2%
98.05	98.75	0.70	257115	0.042	Silicified	3%
98.75	100.00	1.25	257116	0.145	Silicified	2%
100.00	101.00	1.00	257117	0.020	Silicified	4%

101.00	102.00	1.00	257118	0.015	Silicified	4%	
102.00	103.00	1.00	257119	0.012	Silicified	7%	
103.00	104.30	1.30	257120	0.023	Silicified	1%	
104.30	105.00	0.70	257121	0.214	Sericitic alteration	20%	
105.00	106.00	1.00	257122	0.048	Sericitic alteration	3%	
106.00	107.00	1.00	257123	0.156	Sericitic alteration	1%	
107.00	108.00	1.00	257125	0.028	Sericitic alteration	1%	
108.00	109.00	1.00	257126	0.048	Sericitic alteration	1%	
109.00	110.00	1.00	257127	0.067	Sericitic alteration	1%	
110.00	111.00	1.00	257128	0.005	Sericitic alteration	1%	
111.00	112.00	1.00	257129	0.007	Sericitic alteration	1%	50% rubble
112.00	113.00	1.00	257131	0.024	Sericitic alteration	2%	
113.00	114.00	1.00	257132	0.275	Sericitic alteration	1%	
114.00	115.00	1.00	257133	0.053	Sericitic alteration	2%	
115.00	116.00	1.00	257134	0.725	Sericitic alteration	2%	
116.00	117.00	1.00	257135	0.052	Sericitic alteration	2%	
117.00	118.00	1.00	257137	1.771	Sericitic alteration	2%	
118.00	119.00	1.00	257138	1.866	Sericitic alteration	6%	
119.00	119.95	0.95	257139	2.739	Sericitic alteration	2%	
119.95	121.00	1.05	257140	0.465	Sericitic alteration	4%	
121.00	122.00	1.00	257141	0.009	Sericitic alteration	3%	
122.00	123.00	1.00	257142	0.071	Sericitic alteration	2%	
123.00	124.05	1.05	257143	0.160	Sericitic alteration	18%	
124.05	125.00	0.95	257144	1.040	Sericitic alteration	1%	
125.00	126.00	1.00	257145	0.077	Sericitic alteration	2%	
126.00	127.00	1.00	257146	0.080	Sericitic alteration	15%	
127.00	127.70	0.70	257147	0.149	Sericitic alteration	7%	fault breccia and rubble
127.70	129.00	1.30	257149	0.074	Silicified	7%	
129.00	130.00	1.00	257151	0.105	Sericitic alteration	3%	
130.00	131.00	1.00	257152	0.007	Sericitic alteration	1%	
131.00	132.00	1.00	257153	4.340	Silicified	2%	
132.00	133.00	1.00	257154	0.279	Silicified	7%	
133.00	134.00	1.00	257155	0.026	Silicified	1%	
134.00	135.00	1.00	257156	0.031	Silicified	7%	
135.00	136.00	1.00	257157	0.011	Sericitic alteration	2%	
136.00	137.00	1.00	257158	0.268	Silicified	1%	
137.00	138.00	1.00	257159	0.006	Silicified	1%	
138.00	139.00	1.00	257161	1.101	Silicified	1%	
139.00	140.00	1.00	257162	0.169	Silicified	1%	
140.00	141.00	1.00	257163	0.120	Silicified	2%	
141.00	142.05	1.05	257164	0.143	Silicified	4%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>142.05</b>	<b>143.50</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
142.05	143.50	1.45	257165	0.231	Chloritic alteration	1%	qtz-phyric, melanocratic, massive rock. Non magnetic
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>143.50</b>	<b>147.50</b>	<b>Quartz Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
143.50	145.00	1.50	257166	0.017	Chloritic alteration	1%	QDR matrix (as above) containing fragments of Tonalite, and Tonalite breccia (Tonalite frag containing frags of diorite). Frags are dm-scale.
145.00	146.50	1.50	257167	0.022	Chloritic alteration	1%	
146.50	147.50	1.00	257168	0.120	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>147.50</b>	<b>148.55</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
147.50	148.55	1.05	257169	0.618	Biotitic alteration	5%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>148.55</b>	<b>173.15</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
148.55	150.00	1.45	257171	0.259	Silicified	1%	
150.00	151.00	1.00	257173	0.113	Silicified	1%	
151.00	152.00	1.00	257174	0.152	Silicified	1%	
152.00	153.00	1.00	257175	0.333	Sericitic alteration	33%	
153.00	154.00	1.00	257176	0.048	Sericitic alteration	8%	
154.00	155.00	1.00	257177	0.026	Sericitic alteration	1%	
155.00	156.00	1.00	257178	3.210	Silicified	4%	
156.00	157.00	1.00	257179	0.163	Silicified	1%	
157.00	158.00	1.00	257180	0.076	Sericitic alteration	2%	
158.00	159.00	1.00	257181	0.117	Sericitic alteration	3%	
159.00	160.00	1.00	257182	0.862	Silicified	1%	
160.00	161.00	1.00	257183	0.342	Silicified	1%	
161.00	162.00	1.00	257185	0.305	Silicified	2%	
162.00	163.00	1.00	257186	0.557	Silicified	2%	
163.00	164.00	1.00	257187	0.257	Silicified	2%	
164.00	165.00	1.00	257188	0.135	Silicified	1%	
165.00	166.00	1.00	257189	0.115	Sericitic alteration	2%	
166.00	167.00	1.00	257191	0.153	Sericitic alteration	1%	
167.00	168.00	1.00	257192	0.198	Silicified	2%	
168.00	169.00	1.00	257193	0.511	Silicified	3%	
169.00	170.00	1.00	257194	0.191	Silicified	2%	



170.00	171.00	1.00	257195	0.131	Silicified	6%
171.00	172.00	1.00	257197	0.050	Silicified	1%
172.00	173.15	1.15	257198	0.335	Silicified	4%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>173.15</b>	<b>208.00</b>	<b>Diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
173.15	174.00	0.85	257199	0.724	Chloritic alteration	13%	sheared
174.00	175.00	1.00	257200	0.083	Chloritic alteration	4%	sheared
175.00	176.00	1.00	257201	0.484	Chloritic alteration	10%	sheared
176.00	177.00	1.00	257202	2.627	Chloritic alteration	13%	sheared
177.00	178.00	1.00	257203	0.283	Chloritic alteration	2%	sheared
178.00	179.00	1.00	257204	0.010	Chloritic alteration	1%	
179.00	180.00	1.00	257205	0.013	Chloritic alteration	0%	
180.00	181.00	1.00	257206	0.005	Chloritic alteration	1%	
181.00	182.00	1.00	257207	0.005	Chloritic alteration	1%	
182.00	183.00	1.00	257208	0.005	Chloritic alteration	0%	
183.00	184.00	1.00	257209	0.005	Chloritic alteration	0%	
184.00	185.00	1.00	257211	0.009	Chloritic alteration	3%	
185.00	186.00	1.00	257213	0.005	Chloritic alteration	1%	
186.00	187.00	1.00	257214	0.009	Chloritic alteration	0%	
187.00	188.00	1.00	257215	0.076	Chloritic alteration	8%	
188.00	189.00	1.00	257216	0.015	Chloritic alteration	0%	
189.00	190.00	1.00	257217	0.634	Chloritic alteration	5%	
190.00	190.70	0.70	257218	52.200	Biotitic alteration	15%	
190.70	192.00	1.30	257220	3.920	Silicified	3%	
192.00	193.15	1.15	257221	5.310	Biotitic alteration	15%	
193.15	194.05	0.90	257222	0.199	Biotitic alteration	60%	
194.05	195.00	0.95	257224	0.643	Chloritic alteration	16%	
195.00	196.00	1.00	257225	2.026	Chloritic alteration	2%	
196.00	197.00	1.00	257226	0.070	Chloritic alteration	4%	
197.00	198.00	1.00	257227	0.092	Chloritic alteration	3%	
198.00	199.00	1.00	257228	0.564	Chloritic alteration	4%	
199.00	200.00	1.00	257229	1.240	Chloritic alteration	2%	
200.00	201.00	1.00	257231	1.825	Chloritic alteration	1%	
201.00	202.00	1.00	257232	0.559	Chloritic alteration	1%	
202.00	203.00	1.00	257233	0.209	Chloritic alteration	1%	
203.00	204.00	1.00	257234	0.377	Chloritic alteration	1%	
204.00	205.00	1.00	257235	0.046	Chloritic alteration	1%	
205.00	206.00	1.00	257237	0.051	Chloritic alteration	1%	
206.00	207.00	1.00	257238	0.700	Chloritic alteration	1%	
207.00	208.00	1.00	257239	0.026	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>208.00</b>	<b>209.60</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
208.00	209.00	1.00	257240	0.231	Chloritic alteration	0%	
209.00	209.60	0.60	257241	0.167	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>209.60</b>	<b>217.25</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
209.60	211.00	1.40	257242	0.128	Silicified	4%	
211.00	212.00	1.00	257243	0.178	Silicified	2%	
212.00	213.00	1.00	257244	0.129	Silicified	2%	
213.00	214.00	1.00	257245	0.200	Silicified	1%	
214.00	215.00	1.00	257246	0.203	Silicified	1%	
215.00	216.00	1.00	257247	0.173	Silicified	6%	
216.00	217.25	1.25	257249	0.398	Silicified	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>217.25</b>	<b>218.05</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
217.25	218.05	0.80	257251	0.667	Biotitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>218.05</b>	<b>237.45</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
218.05	219.00	0.95	257252	0.175	Biotitic alteration	0%	
219.00	220.00	1.00	257253	0.238	Chloritic alteration	1%	
220.00	221.00	1.00	257254	0.159	Chloritic alteration	1%	
221.00	222.00	1.00	257255	0.521	Chloritic alteration	1%	
222.00	223.00	1.00	257256	0.167	Chloritic alteration	2%	
223.00	224.00	1.00	257257	0.031	Chloritic alteration	1%	
224.00	225.00	1.00	257258	0.695	Chloritic alteration	1%	
225.00	226.00	1.00	257259	0.415	Chloritic alteration	2%	
226.00	227.00	1.00	257261	0.689	Chloritic alteration	1%	
227.00	228.00	1.00	257262	0.964	Chloritic alteration	5%	
228.00	229.00	1.00	257263	0.387	Chloritic alteration	1%	
229.00	230.00	1.00	257264	0.612	Chloritic alteration	2%	
230.00	231.00	1.00	257265	1.065	Chloritic alteration	1%	
231.00	232.00	1.00	257266	1.221	Chloritic alteration	3%	
232.00	233.00	1.00	257267	0.426	Chloritic alteration	1%	
233.00	234.00	1.00	257268	0.226	Chloritic alteration	2%	
234.00	235.00	1.00	257269	0.113	Chloritic alteration	0%	
235.00	236.00	1.00	257271	1.419	Chloritic alteration	5%	
236.00	237.45	1.45	257273	0.475	Chloritic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>237.45</b>	<b>239.90</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
237.45	238.00	0.55	257274	1.403	Chloritic alteration	1%	
238.00	239.00	1.00	257275	0.985	Chloritic alteration	2%	
239.00	239.90	0.90	257276	0.401	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>239.90</b>	<b>244.60</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
239.90	241.00	1.10	257277	0.579	Chloritic alteration	2%	
241.00	242.00	1.00	257278	0.333	Chloritic alteration	1%	
242.00	243.00	1.00	257279	0.071	Chloritic alteration	5%	
243.00	244.00	1.00	257280	0.139	Chloritic alteration	0%	
244.00	244.60	0.60	257281	0.067	Chloritic alteration	13%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>244.60</b>	<b>246.75</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
244.60	246.00	1.40	257282	0.017	Chloritic alteration	2%	Fine-grained, weakly foliated, dark green, non magnetic
246.00	246.75	0.75	257283	0.049	Chloritic alteration	30%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>246.75</b>	<b>248.00</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
246.75	248.00	1.25	257285	0.205	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>248.00</b>	<b>251.00</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
248.00	249.00	1.00	257286	0.548	Chloritic alteration	0%	
249.00	250.00	1.00	257287	0.262	Chloritic alteration	1%	
250.00	251.00	1.00	257288	0.195	Biotitic alteration	0%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>251.00</b>	<b>258.00</b>	<b>Tonalite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
251.00	252.00	1.00	257289	0.231	Chloritic alteration	1%	Tonalite matrix with subangular to subrounded cm to dm scale fragments of chl-rich diorite
252.00	253.00	1.00	257291	0.133	Chloritic alteration	2%	
253.00	254.00	1.00	257292	0.254	Chloritic alteration	1%	
254.00	255.00	1.00	257293	0.333	Chloritic alteration	2%	
255.00	256.00	1.00	257294	0.645	Silicified	1%	
256.00	257.00	1.00	257295	0.707	Silicified	1%	
257.00	258.00	1.00	257297	0.815	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>258.00</b>	<b>264.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
258.00	259.00	1.00	257298	0.193	Silicified	1%	
259.00	260.00	1.00	257299	0.065	Silicified	1%	
260.00	261.00	1.00	257300	0.095	Silicified	1%	
261.00	262.00	1.00	257301	0.136	Silicified	1%	
262.00	263.00	1.00	257302	0.278	Sericitic alteration	1%	
263.00	264.00	1.00	257303	1.406	Sericitic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>264.00</b>	<b>268.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
264.00	265.00	1.00	257304	19.500	Sericitic alteration	3%	crackle breccia of matrix of bt+chl +/- py through Ton frags.
265.00	266.00	1.00	257305	1.874	Sericitic alteration	5%	
266.00	267.00	1.00	257306	0.396	Sericitic alteration	2%	
267.00	268.00	1.00	257307	0.489	Sericitic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>268.00</b>	<b>269.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
268.00	269.00	1.00	257308	2.249	Silicified	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>269.00</b>	<b>271.00</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
269.00	270.00	1.00	257309	4.530	Sericitic alteration	5%	
270.00	271.00	1.00	257311	0.057	Sericitic alteration	22%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>271.00</b>	<b>277.35</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
271.00	272.00	1.00	257313	0.130	Silicified	1%	
272.00	273.00	1.00	257314	0.041	Silicified	1%	
273.00	274.00	1.00	257315	0.038	Silicified	1%	
274.00	275.00	1.00	257316	0.042	Silicified	2%	
275.00	276.00	1.00	257317	0.091	Silicified	3%	15% mafic dyke
276.00	277.35	1.35	257318	0.011	Silicified	4%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>277.35</b>	<b>279.15</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
277.35	278.00	0.65	257319	0.005	Chloritic alteration	2%	
278.00	279.15	1.15	257320	0.025	Chloritic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>279.15</b>	<b>305.45</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
279.15	280.00	0.85	257321	0.015	Silicified	1%	
280.00	281.15	1.15	257322	0.009	Silicified	38%	
281.15	282.00	0.85	257323	0.132	Silicified	1%	
282.00	283.00	1.00	257325	0.114	Sericitic alteration	1%	
283.00	284.00	1.00	257326	0.043	Sericitic alteration	4%	
284.00	285.00	1.00	257327	0.098	Sericitic alteration	2%	
285.00	286.00	1.00	257328	0.032	Hematitic alteration	1%	
286.00	287.00	1.00	257329	0.041	Hematitic alteration	1%	
287.00	288.00	1.00	257331	1.206	Hematitic alteration	1%	
288.00	289.00	1.00	257332	0.119	Hematitic alteration	1%	
289.00	290.00	1.00	257333	0.058	Sericitic alteration	1%	
290.00	291.00	1.00	257334	0.089	Sericitic alteration	1%	
291.00	292.00	1.00	257335	0.131	Sericitic alteration	11%	
292.00	293.00	1.00	257337	1.437	Sericitic alteration	4%	
293.00	294.00	1.00	257338	0.272	Sericitic alteration	2%	
294.00	295.00	1.00	257339	0.098	Silicified	3%	
295.00	296.00	1.00	257340	0.306	Silicified	3%	
296.00	297.00	1.00	257341	0.065	Silicified	5%	
297.00	298.00	1.00	257342	0.063	Silicified	1%	
298.00	299.00	1.00	257343	0.047	Hematitic alteration	1%	
299.00	300.00	1.00	257344	0.041	Hematitic alteration	1%	
300.00	301.00	1.00	257345	0.042	Hematitic alteration	1%	
301.00	302.00	1.00	257346	0.082	Silicified	2%	
302.00	302.90	0.90	257347	0.043	Silicified	2%	
302.90	304.00	1.10	257349	0.077	Silicified	1%	20% mafic dyke (CLR rich)
304.00	305.45	1.45	257351	0.376	Silicified	4%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>305.45</b>	<b>307.97</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
305.45	306.00	0.55	257352	0.436	Chloritic alteration	2%	
306.00	307.00	1.00	257353	0.244	Chloritic alteration	4%	
307.00	307.97	0.97	257354	11.600	Chloritic alteration	6%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>307.97</b>	<b>385.55</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
307.97	309.00	1.03	257355	0.268	Silicified	1%	
309.00	310.00	1.00	257356	0.074	Silicified	1%	
310.00	311.00	1.00	257357	0.112	Silicified	1%	
311.00	311.95	0.95	257358	0.142	Silicified	1%	

311.95	313.00	1.05	257359	0.261	Silicified	5%
313.00	314.00	1.00	257361	0.031	Hematitic alteration	1%
314.00	315.00	1.00	257362	0.041	Hematitic alteration	1%
315.00	316.00	1.00	257363	0.046	Silicified	4%
316.00	317.00	1.00	257364	0.020	Hematitic alteration	1%
317.00	318.00	1.00	257365	0.007	Hematitic alteration	1%
318.00	319.00	1.00	257366	0.308	Silicified	1%
319.00	320.00	1.00	257367	0.060	Hematitic alteration	3%
320.00	321.00	1.00	257368	0.118	Hematitic alteration	1%
321.00	322.00	1.00	257369	0.177	Hematitic alteration	1%
322.00	323.00	1.00	257371	0.123	Hematitic alteration	1%
323.00	324.00	1.00	257373	0.042	Hematitic alteration	1%
324.00	325.00	1.00	257374	0.240	Hematitic alteration	1%
325.00	326.05	1.05	257375	0.102	Hematitic alteration	2%
326.05	327.00	0.95	257376	0.081	Hematitic alteration	2%
327.00	328.00	1.00	257377	0.027	Hematitic alteration	1%
328.00	329.00	1.00	257378	0.086	Sericitic alteration	1%
329.00	330.00	1.00	257379	0.191	Sericitic alteration	1%
330.00	331.00	1.00	257380	0.081	Hematitic alteration	1%
331.00	332.00	1.00	257381	0.050	Hematitic alteration	1%
332.00	333.00	1.00	257382	0.566	Hematitic alteration	1%
333.00	334.00	1.00	257383	0.154	Sericitic alteration	1%
334.00	335.00	1.00	257385	59.300	Sericitic alteration	18%
335.00	336.00	1.00	257387	26.600	Hematitic alteration	6%
336.00	337.00	1.00	257389	4.260	Hematitic alteration	2%
337.00	338.00	1.00	257391	0.195	Silicified	1%
338.00	339.00	1.00	257392	0.034	Silicified	1%
339.00	340.00	1.00	257393	0.075	Silicified	2%
340.00	341.00	1.00	257394	0.064	Silicified	3%
341.00	342.00	1.00	257396	0.023	Hematitic alteration	1%
342.00	343.00	1.00	257397	0.078	Hematitic alteration	4%
343.00	344.00	1.00	257398	0.340	Silicified	3%
344.00	345.00	1.00	257399	0.126	Silicified	12%
345.00	346.00	1.00	257400	0.249	Silicified	2%
346.00	346.97	0.97	257401	0.035	Silicified	4%
346.97	348.00	1.03	257402	0.063	Silicified	2%
348.00	349.00	1.00	257403	0.153	Silicified	2%
349.00	350.00	1.00	257404	0.034	Silicified	5%
350.00	351.00	1.00	257405	0.236	Hematitic alteration	1%
351.00	352.00	1.00	257406	0.072	Silicified	2%
352.00	353.00	1.00	257407	0.309	Silicified	1%
353.00	354.00	1.00	257408	0.244	Silicified	1%

354.00	355.00	1.00	257409	0.564	Sericitic alteration	2%	
355.00	356.00	1.00	257411	0.114	Sericitic alteration	1%	
356.00	357.00	1.00	257413	0.209	Sericitic alteration	1%	
357.00	358.00	1.00	257414	1.922	Sericitic alteration	2%	
358.00	359.00	1.00	257415	0.231	Sericitic alteration	4%	
359.00	360.45	1.45	257416	2.211	Sericitic alteration	2%	
360.45	361.00	0.55	257417	0.633	Silica–Sodic alteration	0%	pitted, porous surface
361.00	362.00	1.00	257418	0.806	Silica–Sodic alteration	0%	pitted, porous surface
362.00	363.15	1.15	257419	0.348	Silica–Sodic alteration	1%	pitted, porous surface
363.15	364.00	0.85	257420	1.322	Sericitic alteration	2%	
364.00	365.00	1.00	257421	0.614	Sericitic alteration	2%	
365.00	365.75	0.75	257422	0.511	Sericitic alteration	1%	
365.75	366.65	0.90	257423	1.393	Sericitic alteration	2%	
366.65	367.90	1.25	257425	0.254	Silica–Sodic alteration	1%	
367.90	369.00	1.10	257426	0.326	Sericitic alteration	1%	
369.00	369.85	0.85	257427	1.520	Sericitic alteration	2%	
369.85	371.00	1.15	257428	8.130	Sericitic alteration	5%	
371.00	372.00	1.00	257429	0.804	Sericitic alteration	1%	
372.00	373.00	1.00	257431	0.856	Sericitic alteration	1%	
373.00	374.00	1.00	257432	0.884	Sericitic alteration	2%	
374.00	375.00	1.00	257433	0.612	Sericitic alteration	4%	
375.00	376.00	1.00	257434	0.225	Sericitic alteration	1%	
376.00	377.00	1.00	257435	0.253	Sericitic alteration	1%	
377.00	378.00	1.00	257437	0.594	Sericitic alteration	1%	
378.00	379.00	1.00	257438	0.244	Sericitic alteration	1%	
379.00	380.00	1.00	257439	0.215	Sericitic alteration	1%	
380.00	381.00	1.00	257440	0.349	Sericitic alteration	1%	
381.00	382.00	1.00	257441	0.422	Sericitic alteration	2%	
382.00	383.00	1.00	257442	0.760	Sericitic alteration	2%	
383.00	384.00	1.00	257443	0.712	Sericitic alteration	2%	
384.00	385.00	1.00	257444	0.595	Sericitic alteration	2%	
385.00	385.55	0.55	257445	0.173	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>385.55</b>	<b>386.55</b>	<b>Mafic Dyke</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
385.55	386.55	1.00	257446	0.395	Chloritic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>386.55</b>	<b>418.78</b>	<b>Tonalite</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
386.55	388.00	1.45	257447	3.740	Sericitic alteration	2%	
388.00	389.00	1.00	257449	0.094	Sericitic alteration	1%	
389.00	390.00	1.00	257451	0.176	Sericitic alteration	1%	

390.00	391.00	1.00	257452	0.366	Sericitic alteration	1%	
391.00	392.10	1.10	257453	0.327	Sericitic alteration	1%	
392.10	393.00	0.90	257454	0.096	Silicified	1%	
393.00	393.85	0.85	257455	0.185	Silicified	1%	
393.85	394.70	0.85	257456	0.392	Silica–Sodic alteration	1%	
394.70	395.57	0.87	257457	0.151	Silica–Sodic alteration	0%	
395.57	397.00	1.43	257458	0.267	Sericitic alteration	1%	
397.00	398.00	1.00	257459	0.148	Silicified	1%	
398.00	399.00	1.00	257461	0.066	Silicified	1%	
399.00	400.00	1.00	257462	0.288	Sericitic alteration	1%	
400.00	401.00	1.00	257463	0.592	Sericitic alteration	1%	
401.00	402.00	1.00	257464	0.316	Sericitic alteration	1%	
402.00	403.00	1.00	257465	0.839	Sericitic alteration	2%	
403.00	404.00	1.00	257466	0.555	Sericitic alteration	4%	
404.00	404.70	0.70	257467	2.158	Sericitic alteration	1%	
404.70	406.00	1.30	257468	0.250	Silica–Sodic alteration	1%	25% mafic dyke
406.00	407.30	1.30	257469	0.304	Silica–Sodic alteration	1%	
407.30	408.00	0.70	257471	0.302	Sericitic alteration	2%	
408.00	409.00	1.00	257473	0.428	Sericitic alteration	6%	
409.00	410.00	1.00	257474	0.193	Sericitic alteration	2%	50% rubble
410.00	411.40	1.40	257475	0.105	Sericitic alteration	2%	
411.40	412.00	0.60	257476	0.011	Silicified	1%	
412.00	413.00	1.00	257477	0.130	Sericitic alteration	1%	
413.00	414.00	1.00	257478	0.089	Silicified	1%	
414.00	415.00	1.00	257479	0.132	Sericitic alteration	1%	
415.00	416.00	1.00	257480	0.327	Sericitic alteration	1%	
416.00	417.00	1.00	257481	0.090	Sericitic alteration	1%	
417.00	418.00	1.00	257482	0.508	Sericitic alteration	1%	
418.00	418.78	0.78	257483	0.118	Sericitic alteration	1%	

From	To	Lithologic Group	
418.78	419.55	Mafic Dyke	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
418.78	419.55	0.77	257485	0.014	Chloritic alteration	1%	

From	To	Lithologic Group	
419.55	428.00	Tonalite	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
419.55	420.10	0.55	257486	0.162	Sericitic alteration	8%	
420.10	421.00	0.90	257487	0.064	Sericitic alteration	10%	
421.00	422.00	1.00	257488	0.075	Silicified	15%	
422.00	422.85	0.85	257489	0.111	Silicified	9%	
422.85	424.00	1.15	257491	2.439	Sericitic alteration	7%	
424.00	425.00	1.00	257492	0.528	Sericitic alteration	2%	



425.00	426.05	1.05	257493	0.118	Sericitic alteration	7%
426.05	426.60	0.55	257494	0.171	Sericitic alteration	4%
426.60	427.20	0.60	257495	0.317	Sericitic alteration	1%
427.20	428.00	0.80	257497	0.686	Silicified	2%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>428.00</b>	<b>429.80</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
428.00	429.00	1.00	257498	0.039	Chloritic alteration	16%	
429.00	429.80	0.80	257499	0.048	Chloritic alteration	6%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>429.80</b>	<b>435.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
429.80	431.00	1.20	257500	1.311	Sericitic alteration	1%	
431.00	432.00	1.00	257501	1.079	Sericitic alteration	1%	
432.00	433.00	1.00	257502	0.628	Sericitic alteration	1%	
433.00	434.00	1.00	257503	1.009	Sericitic alteration	1%	
434.00	435.00	1.00	257504	0.396	Sericitic alteration	2%	EOH

# DRILL HOLE REPORT

Drill Hole	<b>GOS20-56</b>	Project	<b>Gosselin</b>	Cost Code	<b>234</b>
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Drilling Details:

Azimuth	330.0	Company	
Dip	-60.0	Contractor	Chenier
Length	426.5 m	Position	
Started	13-Oct-20	Bore Size	BQTK
Completed	22-Nov-20	Sample Storage	Marathon Laydown
Logged	05-Nov-20	Casing	STEEL
Logged by	Laurent Gauchat	Condition	Cemented

Survey Details:

Claim Number	PAT-11117
Property	Chester
Township	Chester
Spotted by	
Surveyed by	
Collar Orientation	Multi-shot Survey (unspecifie
Coord Survey Tool	DGPS

Target  
Comments

Coordinates:

Easting	430940.00
UTM Datum NAD83	Northing 5267763.00
UTM Zone 17	Elevation 380.63

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
18.0	322.55	-65.06				68.0	322.62	-64.92			
38.0	322.62	-65.00				71.0	322.58	-64.93			
41.0	322.25	-64.97				74.0	322.62	-64.89			
47.0	322.47	-64.64				77.0	322.64	-64.86			
51.0	320.93	-64.88				80.0	323.17	-64.46			
53.0	322.57	-64.97				83.0	322.84	-64.73			
56.0	322.54	-64.95				86.0	322.59	-64.84			
59.0	322.54	-64.87				89.0	322.65	-64.81			
62.0	322.61	-64.91				92.0	322.67	-64.80			
65.0	322.58	-64.92				95.0	322.37	-64.75			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
98.0	323.05	-64.93			
101.0	322.63	-64.82			
107.0	322.73	-64.81			
110.0	322.81	-64.73			
113.0	322.39	-64.69			
116.0	322.79	-64.70			
119.0	322.85	-64.68			
122.0	323.31	-64.49			
125.0	322.88	-64.66			
128.0	322.90	-64.61			
131.0	322.83	-64.61			
134.0	322.76	-64.62			
137.0	323.03	-64.57			
140.0	323.17	-64.54			
143.0	322.92	-64.52			
146.0	322.85	-64.48			
149.0	323.06	-64.48			
150.0	323.55	-64.18			
152.0	322.82	-64.44			
155.0	323.20	-64.38			
158.0	323.25	-64.34			
161.0	323.35	-64.27			
164.0	323.45	-64.23			
167.0	323.53	-64.19			
170.0	323.54	-64.12			
173.0	323.58	-64.06			
176.0	323.73	-64.06			
179.0	323.77	-64.03			
182.0	323.75	-64.01			
185.0	323.84	-63.94			
188.0	323.79	-63.93			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
191.0	323.81	-63.90			
194.0	323.79	-63.89			
197.0	323.79	-63.84			
200.0	323.82	-63.80			
203.0	323.85	-63.76			
206.0	323.85	-63.72			
209.0	324.01	-63.66			
212.0	323.96	-63.68			
215.0	324.04	-63.62			
218.0	324.05	-63.57			
221.0	324.11	-63.50			
224.0	324.25	-63.38			
227.0	324.22	-63.35			
230.0	324.26	-63.32			
233.0	324.27	-63.29			
236.0	324.70	-63.27			
239.0	324.54	-63.22			
242.0	324.34	-63.18			
245.0	324.00	-63.14			
248.0	324.34	-63.09			
251.0	324.41	-63.03			
254.0	324.42	-62.97			
257.0	324.29	-62.95			
260.0	324.45	-62.91			
263.0	324.29	-62.88			
266.0	323.95	-62.88			
269.0	323.80	-62.88			
275.0	322.75	-62.83			
278.0	324.76	-62.77			
281.0	324.75	-62.73			
284.0	325.24	-62.70			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
293.0	324.16	-62.58			
296.0	324.92	-62.60			
300.0	323.87	-62.55			
302.0	323.74	-62.55			
305.0	323.89	-62.56			
308.0	324.08	-62.56			
311.0	324.23	-62.50			
314.0	324.47	-62.47			
317.0	324.30	-62.46			
320.0	323.40	-62.47			
323.0	323.25	-62.44			
335.0	323.35	-62.41			
338.0	323.66	-62.35			
341.0	324.53	-62.41			
344.0	324.87	-62.37			
347.0	325.09	-62.38			
351.0	323.89	-62.24			
356.0	323.08	-62.32			
359.0	323.69	-62.29			
362.0	323.89	-62.29			
365.0	322.08	-62.27			
368.0	323.61	-62.20			
371.0	324.18	-62.21			
374.0	324.53	-62.18			
377.0	324.18	-62.16			
380.0	324.05	-62.13			
383.0	324.44	-62.25			
386.0	323.88	-62.09			
389.0	324.27	-62.08			
392.0	324.72	-62.06			
395.0	324.37	-61.98			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
404.0	324.37	-61.80			
413.0	324.84	-61.77			
416.0	324.19	-61.78			

From	To	Lithologic Group					
0.00	10.30	Overburden					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	10.30	10.30			Unaltered	0%	

From	To	Lithologic Group					
10.30	22.60	Diorite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
10.30	11.00	0.70	259001	0.268	Chloritic alteration	1%	x
11.00	12.00	1.00	259002	0.106	Chloritic alteration	1%	x
12.00	13.00	1.00	259003	0.390	Chloritic alteration	2%	x
13.00	14.00	1.00	259004	0.276	Chloritic alteration	3%	x
14.00	15.00	1.00	259005	0.207	Chloritic alteration	3%	x
15.00	16.00	1.00	259006	0.250	Chloritic alteration	2%	x
16.00	17.00	1.00	259007	0.094	Chloritic alteration	1%	x
17.00	18.00	1.00	259008	0.205	Chloritic alteration	7%	x
18.00	19.00	1.00	259009	0.105	Chloritic alteration	3%	x
19.00	20.00	1.00	259011	0.240	Chloritic alteration	2%	x
20.00	21.00	1.00	259013	0.698	Chloritic alteration	2%	x
21.00	22.00	1.00	259014	0.802	Chloritic alteration	2%	x
22.00	22.60	0.60	259015	0.241	Chloritic alteration	3%	x

From	To	Lithologic Group					
22.60	24.30	Diabase					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
22.60	23.50	0.90	259016	0.005	Unaltered	0%	x
23.50	24.30	0.80	259017	0.005	Unaltered	0%	x

From	To	Lithologic Group					
24.30	27.00	Quartz diorite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
24.30	25.00	0.70	259018	0.834	Chloritic alteration	2%	x
25.00	26.00	1.00	259019	0.400	Chloritic alteration	1%	x
26.00	27.00	1.00	259020	0.200	Chloritic alteration	1%	x

From	To	Lithologic Group					
27.00	28.00	Diorite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
27.00	28.00	1.00	259021	0.538	Chloritic alteration	1%	x

From	To	Lithologic Group					
28.00	29.00	Quartz diorite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

28.00	29.00	1.00	259022	0.361	Silicified	2%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>29.00</b>	<b>41.00</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
29.00	30.00	1.00	259023	0.855	Chloritic alteration	2%	x
30.00	31.00	1.00	259025	0.563	Chloritic alteration	2%	x
31.00	32.00	1.00	259026	0.887	Chloritic alteration	3%	x
32.00	33.00	1.00	259027	0.400	Chloritic alteration	3%	x
33.00	34.00	1.00	259028	0.145	Chloritic alteration	2%	x
34.00	35.00	1.00	259029	0.058	Chloritic alteration	3%	x
35.00	36.00	1.00	259031	0.295	Chloritic alteration	3%	x
36.00	37.00	1.00	259032	0.093	Chloritic alteration	3%	x
37.00	38.00	1.00	259033	0.171	Chloritic alteration	1%	x
38.00	39.00	1.00	259034	0.456	Chloritic alteration	1%	x
39.00	40.00	1.00	259035	0.041	Chloritic alteration	2%	x
40.00	41.00	1.00	259037	0.016	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>41.00</b>	<b>42.00</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
41.00	42.00	1.00	259038	0.106	Silicified	2%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>42.00</b>	<b>43.00</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
42.00	43.00	1.00	259039	1.462	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>43.00</b>	<b>53.00</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
43.00	44.00	1.00	259040	0.530	Chloritic alteration	2%	x
44.00	45.00	1.00	259041	0.133	Chloritic alteration	2%	x
45.00	46.00	1.00	259042	0.037	Chloritic alteration	2%	x
46.00	47.00	1.00	259043	0.035	Chloritic alteration	2%	x
47.00	48.00	1.00	259044	0.210	Chloritic alteration	2%	x
48.00	49.00	1.00	259045	2.219	Chloritic alteration	2%	x
49.00	50.00	1.00	259046	0.137	Biotitic alteration	1%	x
50.00	51.00	1.00	259047	0.635	Biotitic alteration	2%	x
51.00	52.00	1.00	259049	0.287	Biotitic alteration	3%	x
52.00	53.00	1.00	259051	0.494	Biotitic alteration	2%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>53.00</b>	<b>55.00</b>		<b>Quartz Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
53.00	54.00	1.00	259052	0.528	Biotitic alteration	2%	x
54.00	55.00	1.00	259053	0.283	Biotitic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>55.00</b>	<b>63.00</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
55.00	56.00	1.00	259054	0.318	Biotitic alteration	1%	x
56.00	57.00	1.00	259055	0.668	Chloritic alteration	2%	x
57.00	58.00	1.00	259056	0.554	Chloritic alteration	2%	x
58.00	59.00	1.00	259057	0.095	Chloritic alteration	2%	x
59.00	60.00	1.00	259058	0.072	Chloritic alteration	2%	x
60.00	61.00	1.00	259059	0.184	Chloritic alteration	2%	x
61.00	62.00	1.00	259061	1.071	Chloritic alteration	2%	x
62.00	63.00	1.00	259062	0.141	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>63.00</b>	<b>67.00</b>	<b>Tonalite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
63.00	64.00	1.00	259063	0.159	Silicified	2%	x
64.00	65.00	1.00	259064	0.122	Silicified	2%	x
65.00	66.00	1.00	259065	0.113	Chloritic alteration	1%	x
66.00	67.00	1.00	259066	0.222	Chloritic alteration	1%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>67.00</b>	<b>78.60</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
67.00	68.00	1.00	259067	0.172	Silicified	1%	x
68.00	69.00	1.00	259068	0.136	Silicified	2%	x
69.00	70.00	1.00	259069	0.341	Silicified	1%	x
70.00	71.00	1.00	259071	0.411	Silicified	1%	x
71.00	72.00	1.00	259073	0.154	Silicified	2%	x
72.00	73.00	1.00	259074	0.668	Silicified	1%	x
73.00	74.00	1.00	259075	0.046	Silicified	1%	x
74.00	75.00	1.00	259076	0.068	Silicified	2%	x
75.00	76.00	1.00	259077	0.107	Silicified	5%	x
76.00	77.00	1.00	259078	0.025	Silicified	1%	x
77.00	78.00	1.00	259079	0.094	Silicified	2%	x
78.00	78.60	0.60	259080	0.119	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>78.60</b>	<b>79.30</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
78.60	79.30	0.70	259081	0.008	Unaltered	15%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>79.30</b>	<b>190.65</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
79.30	80.00	0.70	259082	0.007	Silicified	3%	x
80.00	81.00	1.00	259083	0.051	Silicified	3%	x

81.00	82.00	1.00	259085	0.040	Silicified	2%	x
82.00	83.00	1.00	259086	0.649	Silicified	2%	x
83.00	84.00	1.00	259087	0.194	Chloritic alteration	4%	x
84.00	85.00	1.00	259088	0.475	Silicified	1%	x
85.00	86.00	1.00	259089	0.070	Silicified	2%	x
86.00	87.00	1.00	259091	0.129	Silicified	2%	x
87.00	88.00	1.00	259092	0.240	Silicified	2%	x
88.00	89.00	1.00	259093	0.663	Silicified	1%	x
89.00	90.00	1.00	259094	0.069	Silicified	2%	x
90.00	91.00	1.00	259095	0.025	Silicified	2%	x
91.00	92.00	1.00	259097	0.115	Silicified	1%	x
92.00	93.00	1.00	259098	0.163	Silicified	6%	x
93.00	94.00	1.00	259099	0.120	Silicified	1%	x
94.00	95.00	1.00	259100	0.038	Silicified	2%	x
95.00	96.00	1.00	259101	0.658	Silicified	3%	x
96.00	97.00	1.00	259102	0.516	Silicified	2%	x
97.00	98.00	1.00	259103	0.017	Silicified	3%	x
98.00	99.00	1.00	259104	0.006	Silicified	2%	x
99.00	100.00	1.00	259105	0.163	Silicified	1%	x
100.00	101.00	1.00	259106	0.016	Silicified	1%	x
101.00	102.00	1.00	259107	0.023	Silicified	2%	x
102.00	103.00	1.00	259108	0.025	Silicified	1%	x
103.00	104.00	1.00	259109	0.068	Silicified	10%	x
104.00	105.00	1.00	259111	0.008	Chloritic alteration	4%	x
105.00	106.00	1.00	259113	0.382	Silicified	3%	x
106.00	107.00	1.00	259114	0.450	Silicified	3%	x
107.00	108.00	1.00	259115	0.468	Silicified	5%	x
108.00	109.00	1.00	259116	0.125	Silicified	2%	x
109.00	110.00	1.00	259117	0.408	Silicified	4%	x
110.00	111.00	1.00	259118	0.145	Silicified	2%	x
111.00	112.00	1.00	259119	0.260	Silicified	1%	x
112.00	113.00	1.00	259120	0.082	Silicified	1%	x
113.00	114.00	1.00	259121	0.656	Silicified	2%	x
114.00	115.00	1.00	259122	0.332	Silicified	3%	x
115.00	116.00	1.00	259123	0.808	Silicified	2%	x
116.00	117.00	1.00	259125	0.202	Silicified	3%	x
117.00	118.00	1.00	259126	0.389	Silicified	2%	x
118.00	119.00	1.00	259127	0.450	Silicified	3%	x
119.00	120.00	1.00	259128	0.933	Silicified	1%	x
120.00	121.00	1.00	259129	1.573	Silicified	2%	x
121.00	122.00	1.00	259131	0.720	Silicified	3%	x
122.00	123.00	1.00	259132	0.588	Silicified	3%	x



123.00	124.00	1.00	259133	0.431	Silicified	2%	x
124.00	125.00	1.00	259134	0.639	Silicified	3%	x
125.00	126.00	1.00	259135	0.970	Silicified	1%	x
126.00	127.00	1.00	259137	0.958	Silicified	2%	x
127.00	128.00	1.00	259138	0.306	Silicified	1%	x
128.00	129.00	1.00	259139	0.902	Silicified	2%	x
129.00	130.00	1.00	259140	0.446	Silicified	2%	x
130.00	131.00	1.00	259141	1.383	Silicified	2%	x
131.00	132.00	1.00	259142	0.494	Silicified	1%	x
132.00	133.00	1.00	259143	0.805	Silicified	2%	x
133.00	134.00	1.00	259144	0.600	Silicified	3%	x
134.00	135.00	1.00	259145	0.194	Silicified	3%	x
135.00	136.00	1.00	259146	0.195	Silicified	2%	x
136.00	137.00	1.00	259147	0.054	Silicified	1%	x
137.00	138.00	1.00	259149	0.068	Silicified	1%	x
138.00	139.00	1.00	259151	0.039	Silicified	2%	x
139.00	140.00	1.00	259152	0.069	Silicified	2%	x
140.00	141.00	1.00	259153	0.052	Silicified	2%	x
141.00	142.00	1.00	259154	0.177	Silicified	1%	x
142.00	143.00	1.00	259155	0.217	Silicified	2%	x
143.00	144.00	1.00	259156	1.679	Silicified	3%	x
144.00	145.00	1.00	259157	0.272	Silicified	2%	x
145.00	146.00	1.00	259158	0.548	Silicified	3%	x
146.00	147.00	1.00	259159	0.390	Silicified	1%	x
147.00	148.00	1.00	259161	0.380	Silicified	3%	x
148.00	149.00	1.00	259162	0.458	Silicified	1%	x
149.00	150.00	1.00	259163	1.884	Silicified	2%	x
150.00	151.00	1.00	259164	0.080	Silicified	3%	x
151.00	152.00	1.00	259165	0.183	Silicified	2%	x
152.00	153.00	1.00	259166	0.154	Silicified	2%	x
153.00	154.00	1.00	259167	0.186	Silicified	1%	x
154.00	155.00	1.00	259168	0.204	Silicified	1%	x
155.00	156.00	1.00	259169	0.642	Silicified	1%	x
156.00	157.00	1.00	259171	0.548	Silicified	2%	x
157.00	158.00	1.00	259173	0.535	Silicified	3%	x
158.00	159.00	1.00	259174	0.379	Silicified	2%	x
159.00	160.00	1.00	259175	0.509	Silicified	4%	x
160.00	161.00	1.00	259176	0.302	Silicified	2%	x
161.00	162.00	1.00	259177	0.425	Silicified	2%	x
162.00	163.00	1.00	259178	0.826	Sericitic alteration	4%	x
163.00	164.00	1.00	259179	1.447	Sericitic alteration	3%	x
164.00	165.00	1.00	259180	0.243	Silicified	2%	x

165.00	166.00	1.00	259181	0.202	Silicified	2%	x
166.00	167.00	1.00	259182	0.475	Silicified	2%	x
167.00	168.00	1.00	259183	1.966	Silicified	3%	x
168.00	169.00	1.00	259185	0.123	Silicified	2%	x
169.00	170.00	1.00	259186	0.389	Sericitic alteration	2%	x
170.00	171.00	1.00	259187	0.292	Silicified	2%	x
171.00	171.70	0.70	259188	0.158	Silicified	2%	x
171.70	172.80	1.10	259189	0.271	Sericitic alteration	12%	x
172.80	174.00	1.20	259191	0.122	Silicified	3%	x
174.00	175.00	1.00	259192	0.200	Silicified	5%	x very small zone of CL frc close to BX
175.00	176.00	1.00	259193	0.191	Silicified	1%	x
176.00	177.00	1.00	259194	0.093	Silicified	2%	x
177.00	178.00	1.00	259195	3.270	Silicified	3%	x
178.00	179.00	1.00	259197	0.361	Silicified	2%	x
179.00	180.00	1.00	259198	0.373	Silicified	2%	x
180.00	181.00	1.00	259199	0.877	Silicified	2%	x
181.00	182.00	1.00	259200	0.973	Silicified	4%	x
182.00	183.00	1.00	259201	0.316	Silicified	2%	x
183.00	184.00	1.00	259202	0.359	Silicified	2%	x
184.00	185.00	1.00	259203	0.165	Silicified	3%	x
185.00	186.00	1.00	259204	0.302	Silicified	3%	x
186.00	187.00	1.00	259205	0.317	Silicified	3%	x
187.00	188.00	1.00	259206	1.075	Silicified	2%	x
188.00	189.00	1.00	259207	1.069	Silicified	3%	x
189.00	190.00	1.00	259208	0.426	Silicified	5%	x
190.00	190.65	0.65	259209	0.874	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>190.65</b>	<b>194.40</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
190.65	192.00	1.35	259211	0.170	Unaltered	2%	x
192.00	193.00	1.00	259213	0.444	Unaltered	4%	x
193.00	194.40	1.40	259214	0.466	Unaltered	25%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>194.40</b>	<b>285.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
194.40	195.00	0.60	259215	0.167	Silicified	5%	x
195.00	196.00	1.00	259216	0.437	Silicified	4%	x 30% lamp dyker
196.00	197.00	1.00	259217	2.581	Silicified	2%	x
197.00	198.00	1.00	259218	1.815	Silicified	2%	x
198.00	199.00	1.00	259219	1.630	Silicified	2%	x
199.00	200.00	1.00	259220	2.016	Silicified	2%	x

200.00	201.00	1.00	259221	0.779	Silicified	3%	x
201.00	202.00	1.00	259222	0.789	Silicified	2%	x
202.00	203.00	1.00	259223	1.614	Silicified	2%	x
203.00	204.00	1.00	259225	0.057	Silicified	3%	x
204.00	205.00	1.00	259226	0.772	Silicified	3%	x
205.00	206.00	1.00	259227	0.124	Silicified	2%	x
206.00	207.00	1.00	259228	0.693	Silicified	4%	x
207.00	208.00	1.00	259229	0.399	Silicified	6%	x
208.00	209.00	1.00	259231	0.383	Silicified	3%	x
209.00	210.00	1.00	259232	0.593	Silicified	2%	x
210.00	211.00	1.00	259233	0.869	Silicified	3%	x
211.00	212.00	1.00	259234	0.903	Silicified	1%	x
212.00	213.00	1.00	259235	0.106	Silicified	3%	x
213.00	213.65	0.65	259237	0.379	Silicified	2%	x
213.65	214.55	0.90	259238	0.076	Silicified	8%	x
214.55	216.00	1.45	259239	0.376	Silicified	2%	x
216.00	217.00	1.00	259240	0.086	Sericitic alteration	2%	x
217.00	218.00	1.00	259241	0.934	Sericitic alteration	2%	x
218.00	219.00	1.00	259242	0.146	Silicified	5%	x
219.00	220.00	1.00	259243	0.898	Silicified	2%	x
220.00	221.00	1.00	259244	0.751	Sericitic alteration	6%	x
221.00	222.00	1.00	259245	0.055	Silicified	6%	x
222.00	223.00	1.00	259246	0.019	Silicified	2%	x
223.00	224.00	1.00	259247	0.322	Silicified	5%	x
224.00	225.00	1.00	259249	0.073	Silicified	5%	x
225.00	226.00	1.00	259251	0.407	Silicified	4%	x
226.00	227.00	1.00	259252	0.056	Silicified	2%	x
227.00	228.00	1.00	259253	0.169	Silicified	5%	x
228.00	229.00	1.00	259254	0.055	Silicified	12%	x
229.00	230.00	1.00	259255	0.050	Silicified	6%	x
230.00	231.00	1.00	259256	0.729	Silicified	4%	x
231.00	232.00	1.00	259257	0.213	Silicified	3%	x
232.00	233.00	1.00	259258	1.718	Silicified	5%	x
233.00	234.00	1.00	259259	0.125	Silicified	4%	x
234.00	235.30	1.30	259261	2.514	Silicified	5%	x
235.30	236.50	1.20	259262	1.574	Sericitic alteration	5%	x
236.50	238.00	1.50	259263	0.279	Silicified	3%	x
238.00	239.00	1.00	259264	0.277	Silicified	2%	x
239.00	240.00	1.00	259265	0.234	Silicified	2%	x
240.00	241.00	1.00	259266	0.097	Silicified	3%	x
241.00	242.00	1.00	259267	0.822	Silicified	2%	x
242.00	243.00	1.00	259268	0.096	Silicified	1%	x

243.00	244.00	1.00	259269	0.129	Silicified	5%	x
244.00	245.00	1.00	259271	0.246	Silicified	3%	x
245.00	246.00	1.00	259273	0.099	Silicified	2%	x
246.00	247.00	1.00	259274	0.153	Silicified	4%	x
247.00	248.00	1.00	259275	0.369	Silicified	2%	x
248.00	249.00	1.00	259276	0.295	Silicified	2%	x
249.00	250.00	1.00	259277	0.348	Silicified	2%	x
250.00	251.00	1.00	259278	0.315	Silicified	3%	x
251.00	252.00	1.00	259279	0.419	Silicified	4%	x
252.00	253.00	1.00	259280	0.138	Silicified	2%	x
253.00	254.00	1.00	259281	0.112	Silicified	2%	x
254.00	255.00	1.00	259282	0.093	Sericitic alteration	3%	x
255.00	256.00	1.00	259283	0.052	Sericitic alteration	3%	x
256.00	257.00	1.00	259285	0.363	Sericitic alteration	2%	x
257.00	258.00	1.00	259286	0.343	Sericitic alteration	4%	x
258.00	259.00	1.00	259287	0.263	Silicified	3%	x
259.00	259.75	0.75	259288	0.480	Silicified	1%	x
259.75	261.00	1.25	259289	0.495	Chloritic alteration	2%	x
261.00	262.00	1.00	259291	0.097	Chloritic alteration	3%	x
262.00	263.00	1.00	259292	0.288	Chloritic alteration	3%	x 15 cm of bleached ton
263.00	264.00	1.00	259293	0.989	Chloritic alteration	2%	x
264.00	265.00	1.00	259294	1.081	Chloritic alteration	3%	x
265.00	266.00	1.00	259295	3.880	Chloritic alteration	3%	x
266.00	267.00	1.00	259297	4.840	Silicified	5%	x
267.00	268.00	1.00	259298	0.440	Sericitic alteration	2%	x
268.00	269.00	1.00	259299	0.697	Silicified	3%	x
269.00	270.00	1.00	259300	0.073	Silicified	2%	x
270.00	271.00	1.00	259301	0.373	Silicified	3%	x
271.00	272.00	1.00	259302	0.265	Silicified	3%	x
272.00	273.00	1.00	259303	0.031	Silicified	4%	x
273.00	274.00	1.00	259304	0.367	Silicified	4%	x
274.00	275.00	1.00	259305	0.402	Silicified	3%	x
275.00	276.00	1.00	259306	0.177	Silicified	4%	x
276.00	277.00	1.00	259307	0.507	Silicified	3%	x
277.00	278.00	1.00	259308	0.417	Silicified	3%	x
278.00	279.00	1.00	259309	0.411	Silicified	3%	x
279.00	280.00	1.00	259311	0.300	Silicified	5%	x
280.00	281.00	1.00	259313	0.253	Silicified	2%	x
281.00	282.00	1.00	259314	3.550	Silicified	4%	x
282.00	283.00	1.00	259315	1.528	Silicified	3%	x
283.00	284.00	1.00	259316	0.389	Silicified	2%	x
284.00	285.00	1.00	259317	1.537	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>285.00</b>	<b>286.00</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
285.00	286.00	1.00	259318	0.158	Unaltered	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>286.00</b>	<b>318.10</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
286.00	287.00	1.00	259319	1.308	Silicified	2%	x
287.00	288.00	1.00	259320	0.844	Silicified	2%	x
288.00	289.00	1.00	259321	0.296	Silicified	2%	x
289.00	290.00	1.00	259322	0.046	Silicified	1%	x
290.00	291.00	1.00	259323	0.310	Silicified	1%	x
291.00	292.00	1.00	259325	0.715	Silicified	2%	x
292.00	293.00	1.00	259326	0.761	Silicified	2%	x
293.00	294.00	1.00	259327	0.547	Silicified	2%	x
294.00	295.00	1.00	259328	0.492	Silicified	2%	x
295.00	296.00	1.00	259329	0.496	Silicified	2%	x
296.00	297.00	1.00	259331	0.721	Silicified	3%	x
297.00	298.00	1.00	259332	0.309	Silicified	3%	x
298.00	299.00	1.00	259333	0.217	Silicified	2%	x
299.00	300.00	1.00	259334	0.660	Silicified	4%	x
300.00	301.00	1.00	259335	0.563	Silicified	5%	x
301.00	302.00	1.00	259337	0.677	Silicified	3%	x
302.00	303.00	1.00	259338	1.995	Silicified	5%	x
303.00	304.00	1.00	259339	0.985	Silicified	6%	x
304.00	305.00	1.00	259340	1.162	Sericitic alteration	9%	x
305.00	306.00	1.00	259341	1.188	Sericitic alteration	6%	x
306.00	307.00	1.00	259342	1.522	Sericitic alteration	4%	x
307.00	308.00	1.00	259343	0.916	Sericitic alteration	3%	x
308.00	309.00	1.00	259344	1.008	Sericitic alteration	2%	x
309.00	310.00	1.00	259345	0.330	Silicified	3%	x
310.00	311.00	1.00	259346	0.267	Silicified	3%	x
311.00	312.00	1.00	259347	0.525	Silicified	2%	x
312.00	313.00	1.00	259349	0.847	Silicified	1%	x
313.00	314.00	1.00	259351	0.322	Silicified	8%	x
314.00	315.00	1.00	259352	1.109	Silicified	3%	x
315.00	316.00	1.00	259353	0.394	Silicified	5%	x
316.00	317.00	1.00	259354	0.524	Silicified	3%	x
317.00	318.10	1.10	259355	0.469	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>318.10</b>	<b>319.35</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

318.10	319.35	1.25	259356	0.013	Unaltered	6%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>319.35</b>	<b>399.50</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
319.35	320.00	0.65	259357	0.398	Silicified	1%	x
320.00	321.00	1.00	259358	0.423	Silicified	2%	x
321.00	322.00	1.00	259359	0.293	Silicified	5%	x
322.00	323.00	1.00	259361	0.319	Silicified	3%	x
323.00	324.00	1.00	259362	0.968	Silicified	3%	x
324.00	325.00	1.00	259363	0.328	Silicified	4%	x
325.00	326.00	1.00	259364	1.881	Silicified	2%	x
326.00	327.00	1.00	259365	0.169	Silicified	2%	x
327.00	328.00	1.00	259366	0.142	Silicified	3%	x
328.00	329.00	1.00	259367	0.113	Silicified	3%	x
329.00	330.00	1.00	259368	0.288	Sericitic alteration	15%	x
330.00	331.00	1.00	259369	0.292	Sericitic alteration	5%	x
331.00	332.00	1.00	259371	1.599	Sericitic alteration	5%	x
332.00	333.50	1.50	259373	0.439	Sericitic alteration	5%	x
333.50	335.00	1.50	259374	0.644	Sericitic alteration	3%	x
335.00	336.00	1.00	259375	0.645	Sericitic alteration	3%	x
336.00	337.00	1.00	259376	2.090	Sericitic alteration	5%	x
337.00	338.00	1.00	259377	0.842	Silicified	5%	x
338.00	339.00	1.00	259378	0.306	Silicified	3%	x
339.00	340.00	1.00	259379	2.653	Silicified	4%	x
340.00	341.00	1.00	259380	1.150	Silicified	3%	x
341.00	342.00	1.00	259381	2.738	Silicified	5%	x
342.00	343.00	1.00	259382	1.004	Silicified	3%	x
343.00	344.00	1.00	259383	2.221	Silicified	3%	x
344.00	345.00	1.00	259385	0.424	Silicified	5%	x
345.00	346.00	1.00	259386	0.872	Silicified	9%	x
346.00	347.00	1.00	259387	4.090	Sericitic alteration	10%	x
347.00	348.00	1.00	259388	0.636	Sericitic alteration	8%	x
348.00	349.00	1.00	259389	0.086	Silicified	5%	x
349.00	350.00	1.00	259391	2.761	Silicified	7%	x
350.00	351.00	1.00	259392	6.420	Silicified	3%	x
351.00	352.00	1.00	259393	0.646	Silicified	3%	x
352.00	353.00	1.00	259394	1.616	Silicified	4%	x
353.00	354.00	1.00	259395	1.656	Silicified	4%	x
354.00	355.00	1.00	259397	3.630	Silicified	3%	x
355.00	356.00	1.00	259398	0.473	Silicified	8%	x
356.00	357.00	1.00	259399	0.881	Sericitic alteration	5%	x
357.00	358.00	1.00	259401	1.042	Silicified	3%	x

358.00	359.00	1.00	259402	0.952	Silicified	3%	x
359.00	360.00	1.00	259403	0.175	Silicified	3%	x
360.00	361.00	1.00	259404	0.142	Silicified	3%	x
361.00	362.00	1.00	259405	1.031	Silicified	3%	x
362.00	363.00	1.00	259406	0.511	Silicified	4%	x
363.00	364.00	1.00	259407	0.907	Silicified	2%	x
364.00	365.00	1.00	259408	1.379	Silicified	4%	x
365.00	366.00	1.00	259409	0.565	Silicified	3%	x
366.00	367.00	1.00	259411	1.674	Silicified	6%	x
367.00	368.00	1.00	259413	0.212	Silicified	3%	x
368.00	369.00	1.00	259414	0.198	Silicified	1%	x
369.00	370.00	1.00	259415	2.913	Silicified	2%	x
370.00	371.00	1.00	259416	0.238	Silicified	3%	x
371.00	372.00	1.00	259417	0.382	Sericitic alteration	2%	x
372.00	373.00	1.00	259418	0.174	Sericitic alteration	2%	x
373.00	374.00	1.00	259419	0.169	Sericitic alteration	1%	x
374.00	375.00	1.00	259420	0.330	Sericitic alteration	2%	x
375.00	376.00	1.00	259421	2.330	Silicified	8%	x
376.00	377.00	1.00	259422	0.198	Silicified	3%	x
377.00	378.00	1.00	259423	1.805	Silicified	3%	x
378.00	379.00	1.00	259425	0.465	Silicified	3%	x
379.00	380.00	1.00	259426	0.440	Silicified	4%	x
380.00	381.00	1.00	259427	0.415	Silicified	2%	x
381.00	382.00	1.00	259428	0.362	Silicified	3%	x
382.00	383.00	1.00	259429	0.440	Silicified	3%	x
383.00	384.00	1.00	259431	0.185	Sericitic alteration	2%	x
384.00	385.00	1.00	259432	0.535	Sericitic alteration	2%	x
385.00	386.00	1.00	259433	0.758	Sericitic alteration	2%	x small dyke
386.00	387.00	1.00	259434	0.509	Sericitic alteration	2%	x
387.00	388.00	1.00	259435	0.270	Sericitic alteration	2%	x
388.00	389.20	1.20	259437	0.164	Sericitic alteration	30%	x
389.20	390.50	1.30	259438	0.120	Silicified	14%	x small dyke
390.50	391.50	1.00	259439	0.188	Silicified	5%	x
391.50	392.50	1.00	259440	0.350	Silicified	3%	x
392.50	393.50	1.00	259441	0.199	Silicified	3%	x
393.50	394.50	1.00	259442	0.714	Silicified	4%	x
394.50	395.50	1.00	259443	0.127	Silicified	3%	x
395.50	396.50	1.00	259444	0.106	Silicified	4%	x
396.50	397.50	1.00	259445	0.127	Silicified	6%	x small HDBX zone
397.50	398.50	1.00	259446	0.049	Silicified	2%	x
398.50	399.50	1.00	259447	0.082	Silicified	2%	x small HDBX zone

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>399.50</b>	<b>401.50</b>	<b>Hydrothermal Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
399.50	400.50	1.00	259449	0.407	Silicified	2%	x small HDBX zone
400.50	401.50	1.00	259451	0.081	Silicified	6%	x small HDBX zone
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>401.50</b>	<b>426.50</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
401.50	402.50	1.00	259452	0.036	Silicified	3%	x
402.50	403.50	1.00	259453	1.289	Silicified	3%	x
403.50	404.50	1.00	259454	0.179	Silicified	4%	x
404.50	405.50	1.00	259455	4.900	Silicified	6%	x
405.50	406.50	1.00	259457	0.293	Silicified	6%	x
406.50	407.50	1.00	259459	0.336	Silicified	3%	x
407.50	408.50	1.00	259461	0.256	Silicified	2%	x
408.50	409.50	1.00	259462	0.154	Silicified	1%	x
409.50	410.50	1.00	259463	0.034	Silicified	2%	x
410.50	411.50	1.00	259464	0.012	Silicified	12%	x
411.50	412.50	1.00	259465	0.074	Silicified	4%	x small dyke/ frc zones
412.50	413.50	1.00	259466	0.149	Silicified	8%	x
413.50	414.50	1.00	259467	0.210	Silicified	6%	x
414.50	415.50	1.00	259468	0.100	Silicified	5%	x
415.50	416.50	1.00	259469	0.830	Silicified	10%	x
416.50	417.50	1.00	259471	0.117	Silicified	1%	x
417.50	418.50	1.00	259473	0.034	Silicified	3%	x
418.50	419.50	1.00	259474	0.283	Silicified	3%	x
419.50	420.50	1.00	259475	0.339	Silicified	6%	x
420.50	421.50	1.00	259476	2.027	Silicified	6%	x
421.50	422.50	1.00	259477	0.134	Silicified	2%	x
422.50	423.50	1.00	259478	1.084	Silicified	4%	x
423.50	424.50	1.00	259479	0.513	Silicified	6%	x
424.50	425.50	1.00	259480	0.055	Silicified	8%	x
425.50	426.50	1.00	259481	0.096	Silicified	3%	x



# DRILL HOLE REPORT

Drill Hole **GOS20-57** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 325.0  
 Dip -59.0  
 Length 424.0 m  
 Started 17-Oct-20  
 Completed 28-Oct-20  
 Logged 01-Nov-20  
 Logged by Justin Bisailon

Company  
 Contractor Chenier Drilling  
 Position  
 Bore Size BQTK  
 Sample Storage Klondike Lodge  
 Casing STEEL  
 Condition Capped

Survey Details:

Claim Number PAT-11117  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool DGPS

Coordinates:

Target  
 Comments BT Logging 56m to 293m, JB logging 293m to EOH

Easting 430624.33  
 UTM Datum NAD83 Northing 5267321.53  
 UTM Zone 17 Elevation 399.26

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
14.0	325.04	-58.95		MS	Good	50.0	324.39	-59.19		MS	Good
17.0	324.17	-59.00		MS	Good	53.0	325.25	-59.17		MS	Good
20.0	323.99	-58.97		MS	Good	56.0	325.28	-59.18		MS	Good
23.0	323.77	-58.92		MS	Good	59.0	324.44	-59.16		MS	Good
26.0	323.41	-58.92		MS	Good	62.0	324.78	-59.15		MS	Good
29.0	324.32	-58.93		MS	Good	65.0	324.71	-59.16		MS	Good
35.0	323.50	-58.99		MS	Good	68.0	325.08	-58.94		MS	Good
41.0	325.11	-59.06		MS	Good	71.0	324.54	-59.14		MS	Good
44.0	325.57	-59.14		MS	Good	74.0	324.90	-59.12		MS	Good
47.0	325.49	-59.19		MS	Good	77.0	324.86	-59.15		MS	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
80.0	325.20	-59.09		MS	Good
83.0	325.30	-59.11		MS	Good
86.0	325.16	-59.15		MS	Good
89.0	325.17	-59.13		MS	Good
92.0	325.42	-59.09		MS	Good
98.0	325.50	-59.25		MS	Good
101.0	325.91	-59.05		MS	Good
104.0	325.95	-59.05		MS	Good
107.0	326.06	-59.07		MS	Good
110.0	326.25	-59.07		MS	Good
113.0	326.24	-59.07		MS	Good
116.0	326.35	-59.06		MS	Good
119.0	326.59	-59.10		MS	Good
122.0	326.51	-59.06		MS	Good
125.0	326.24	-59.07		MS	Good
128.0	326.65	-59.07		MS	Good
134.0	326.53	-59.01		MS	Good
137.0	326.82	-59.01		MS	Good
140.0	325.78	-59.00		MS	Good
143.0	326.71	-59.01		MS	Good
146.0	326.37	-59.00		MS	Good
149.0	326.20	-59.03		MS	Good
158.0	328.63	-58.99		MS	Good
161.0	328.27	-58.97		MS	Good
164.0	327.96	-58.96		MS	Good
167.0	327.80	-59.00		MS	Good
170.0	327.85	-58.94		MS	Good
173.0	327.86	-58.92		MS	Good
176.0	327.91	-58.96		MS	Good
179.0	328.00	-58.94		MS	Good
182.0	328.04	-58.88		MS	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
185.0	328.16	-58.76		MS	Good
188.0	328.14	-58.76		MS	Good
191.0	328.21	-58.77		MS	Good
194.0	328.40	-58.74		MS	Good
197.0	328.54	-58.57		MS	Good
200.0	328.41	-58.72		MS	Good
203.0	328.45	-58.73		MS	Good
206.0	328.53	-58.74		MS	Good
209.0	328.62	-58.71		MS	Good
212.0	328.70	-58.69		MS	Good
215.0	328.77	-58.70		MS	Good
218.0	328.86	-58.68		MS	Good
221.0	328.86	-58.66		MS	Good
224.0	328.91	-58.69		MS	Good
227.0	328.90	-58.70		MS	Good
230.0	328.98	-58.69		MS	Good
233.0	328.98	-58.71		MS	Good
236.0	329.09	-58.76		MS	Good
239.0	329.21	-58.72		MS	Good
242.0	329.00	-58.93		MS	Good
245.0	329.15	-58.82		MS	Good
248.0	329.32	-58.81		MS	Good
251.0	329.36	-58.80		MS	Good
254.0	329.42	-58.86		MS	Good
257.0	329.62	-58.77		MS	Good
260.0	329.53	-58.81		MS	Good
263.0	329.69	-58.77		MS	Good
266.0	329.72	-58.80		MS	Good
269.0	329.72	-58.81		MS	Good
272.0	329.90	-58.80		MS	Good
275.0	329.97	-58.82		MS	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
278.0	330.02	-58.84		MS	Good
281.0	330.14	-58.81		MS	Good
284.0	330.31	-58.82		MS	Good
287.0	330.37	-58.84		MS	Good
290.0	330.41	-58.84		MS	Good
293.0	330.49	-58.80		MS	Good
296.0	330.47	-58.80		MS	Good
299.0	330.71	-58.76		MS	Good
302.0	330.72	-58.77		MS	Good
305.0	330.78	-58.66		MS	Good
308.0	330.95	-58.68		MS	Good
311.0	331.06	-58.67		MS	Good
314.0	331.06	-58.67		MS	Good
317.0	331.11	-58.63		MS	Good
320.0	331.10	-58.63		MS	Good
323.0	331.17	-58.64		MS	Good
326.0	331.24	-58.61		MS	Good
329.0	331.25	-58.60		MS	Good
332.0	331.33	-58.59		MS	Good
335.0	331.39	-58.56		MS	Good
338.0	331.49	-58.58		MS	Good
341.0	331.56	-58.53		MS	Good
344.0	331.64	-58.53		MS	Good
347.0	331.81	-58.51		MS	Good
350.0	331.89	-58.47		MS	Good
353.0	331.82	-58.49		MS	Good
356.0	331.96	-58.49		MS	Good
359.0	332.00	-58.45		MS	Good
362.0	331.94	-58.46		MS	Good
365.0	332.16	-58.48		MS	Good
368.0	332.20	-58.48		MS	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
371.0	332.22	-58.48		MS	Good
374.0	332.18	-58.47		MS	Good
377.0	332.40	-58.47		MS	Good
380.0	332.66	-58.44		MS	Good
383.0	332.66	-58.48		MS	Good
386.0	332.63	-58.53		MS	Good
389.0	332.30	-58.52		MS	Good
392.0	332.63	-58.53		MS	Good
395.0	332.82	-58.49		MS	Good
398.0	332.67	-58.48		MS	Good
401.0	332.99	-58.48		MS	Good
404.0	332.92	-58.49		MS	Good
407.0	332.82	-58.49		MS	Good
410.0	333.04	-58.49		MS	Good
413.0	333.26	-58.47		MS	Good
416.0	333.40	-58.47		MS	Good
419.0	333.51	-58.49		MS	Good
422.0	333.57	-58.49		MS	Good
424.0	333.59	-58.46		MS	Good

From	To	Lithologic Group					
0.00	2.85	Overburden					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	2.85	2.85			Unaltered		

From	To	Lithologic Group					
2.85	24.80	Tonalite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
2.85	4.00	1.15	257505	0.013	Sericitic alteration	1%	Medium grained, massive, granitic-textured tonalite, non magnetic
4.00	5.10	1.10	257506	0.105	Sericitic alteration	1%	
5.10	6.00	0.90	257507	0.102	Sericitic alteration	1%	
6.00	7.00	1.00	257508	0.128	Sericitic alteration	2%	
7.00	8.00	1.00	257509	0.085	Sericitic alteration	1%	
8.00	9.00	1.00	257511	0.097	Sericitic alteration	1%	
9.00	10.00	1.00	257513	0.029	Sericitic alteration	1%	
10.00	11.00	1.00	257514	0.044	Sericitic alteration	1%	
11.00	12.00	1.00	257515	0.036	Sericitic alteration	2%	
12.00	13.00	1.00	257516	0.007	Sericitic alteration	1%	
13.00	14.00	1.00	257517	0.043	Sericitic alteration	2%	
14.00	15.00	1.00	257518	0.024	Sericitic alteration	8%	
15.00	16.00	1.00	257519	0.056	Silicified	1%	
16.00	17.05	1.05	257520	0.050	Silicified	2%	
17.05	18.00	0.95	257521	0.010	Silicified	4%	
18.00	19.00	1.00	257522	0.005	Sericitic alteration	13%	
19.00	20.00	1.00	257523	0.007	Sericitic alteration	5%	
20.00	21.00	1.00	257525	0.049	Silicified	3%	
21.00	22.00	1.00	257526	0.143	Silicified	2%	
22.00	23.00	1.00	257527	0.326	Sericitic alteration	4%	
23.00	24.00	1.00	257528	0.030	Silicified	1%	
24.00	24.80	0.80	257529	1.323	Silicified	1%	

From	To	Lithologic Group					
24.80	25.60	Quartz Diorite Breccia					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
24.80	25.60	0.80	257531	0.099	Chloritic alteration	3%	One subrounded, dm-scale Tonalite fragment in Quartz Diorite matrix. Quartz Diorite is dark green and qtz-phyric with matrix of chl and interstitial feldspar.

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>25.60</b>	<b>26.60</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
25.60	26.60	1.00	257532	0.008	Chloritic alteration	3%	Medium grained, massive, equigranular, magnetic diorite. Dark green and beige
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>26.60</b>	<b>50.45</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
26.60	28.00	1.40	257533	0.037	Sericitic alteration	9%	gradational contact with diorite above
28.00	29.00	1.00	257534	0.240	Sericitic alteration	4%	
29.00	29.85	0.85	257535	0.021	Sericitic alteration	1%	
29.85	30.90	1.05	257537	0.029	Sericitic alteration	1%	
30.90	32.00	1.10	257538	0.100	Silicified	2%	
32.00	33.00	1.00	257539	0.262	Silicified	2%	
33.00	34.00	1.00	257540	0.253	Silicified	3%	
34.00	34.85	0.85	257541	0.436	Silicified	1%	
34.85	36.00	1.15	257542	0.092	Silicified	4%	
36.00	37.00	1.00	257543	0.006	Silicified	1%	
37.00	37.50	0.50	257544	0.015	Silicified	2%	
37.50	39.00	1.50	257545	0.301	Sericitic alteration	1%	
39.00	40.00	1.00	257546	2.146	Sericitic alteration	3%	
40.00	41.00	1.00	257547	0.095	Sericitic alteration	8%	
41.00	42.00	1.00	257549	0.037	Silicified	8%	
42.00	43.00	1.00	257551	0.005	Silicified	4%	
43.00	44.00	1.00	257552	0.019	Silicified	6%	
44.00	45.00	1.00	257553	0.046	Silicified	1%	
45.00	46.00	1.00	257554	0.059	Silicified	5%	
46.00	47.00	1.00	257555	0.032	Silicified	1%	
47.00	48.00	1.00	257556	0.344	Silicified	2%	
48.00	49.00	1.00	257557	0.069	Silicified	4%	
49.00	50.45	1.45	257558	0.024	Silicified	6%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>50.45</b>	<b>51.10</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
50.45	51.10	0.65	257559	0.005	Chloritic alteration	5%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>51.10</b>	<b>118.37</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
51.10	52.20	1.10	257561	0.368	Sericitic alteration	40%	stockwerk
52.20	53.00	0.80	257562	0.369	Sericitic alteration	2%	
53.00	54.00	1.00	257563	0.108	Sericitic alteration	2%	

54.00	55.00	1.00	257564	0.010	Sericitic alteration	1%	
55.00	56.00	1.00	257565	0.069	Sericitic alteration	3%	
56.00	57.00	1.00	257566	0.352	Sericitic alteration	3%	
57.00	58.00	1.00	257567	0.615	Sericitic alteration	2%	
58.00	59.00	1.00	257568	0.650	Sericitic alteration	1%	
59.00	60.00	1.00	257569	0.378	Sericitic alteration	2%	
60.00	61.00	1.00	257571	0.303	Sericitic alteration	3%	
61.00	62.00	1.00	257573	0.139	Sericitic alteration	1%	
62.00	63.00	1.00	257574	0.311	Sericitic alteration	1%	
63.00	64.00	1.00	257575	1.820	Sericitic alteration	1%	po clustered around chl clots
64.00	65.00	1.00	257576	0.252	Sericitic alteration	1%	
65.00	66.00	1.00	257577	0.188	Silicified	1%	
66.00	67.00	1.00	257578	0.155	Sericitic alteration	2%	
67.00	68.00	1.00	257579	0.387	Sericitic alteration	5%	
68.00	69.00	1.00	257580	0.078	Sericitic alteration	2%	
69.00	70.00	1.00	257581	0.048	Sericitic alteration	2%	
70.00	71.00	1.00	257582	0.380	Sericitic alteration	3%	
71.00	72.00	1.00	257583	29.100	Sericitic alteration	10%	
72.00	73.00	1.00	257585	12.800	Sericitic alteration	15%	
73.00	74.00	1.00	257586	0.175	Sericitic alteration	1%	
74.00	75.00	1.00	257587	0.161	Sericitic alteration	1%	
75.00	76.00	1.00	257588	0.290	Sericitic alteration	1%	
76.00	77.00	1.00	257589	0.120	Sericitic alteration	2%	
77.00	78.00	1.00	257591	0.259	Sericitic alteration	2%	
78.00	79.00	1.00	257592	0.735	Sericitic alteration	1%	
79.00	80.20	1.20	257593	0.078	Sericitic alteration	1%	
80.20	81.60	1.40	257594	0.211	Sericitic alteration	3%	
81.60	82.72	1.12	257595	0.373	Sericitic alteration	1%	
82.72	84.15	1.43	257597	0.168	Sericitic alteration	1%	
84.15	85.00	0.85	257598	0.072	Silicified	1%	qtz flooding - reduction in diss sulphides
85.00	86.00	1.00	257599	0.040	Silicified	1%	
86.00	87.00	1.00	257600	0.010	Silicified	1%	
87.00	88.00	1.00	257601	0.404	Silicified	1%	
88.00	89.00	1.00	257602	0.005	Silicified	1%	
89.00	89.85	0.85	257603	0.097	Silicified	3%	
89.85	91.00	1.15	257604	0.036	Sericitic alteration	1%	
91.00	92.00	1.00	257605	0.066	Sericitic alteration	4%	
92.00	93.00	1.00	257606	0.298	Sericitic alteration	3%	
93.00	94.00	1.00	257607	0.079	Sericitic alteration	5%	
94.00	94.85	0.85	257608	0.064	Sericitic alteration	1%	
94.85	95.80	0.95	257609	0.091	Silicified	1%	vn hosted sphal and minor diss
95.80	97.00	1.20	257611	0.077	Biotitic alteration	3%	~5% cm scale mafic frags

97.00	98.00	1.00	257613	0.019	Biotitic alteration	1%
98.00	99.00	1.00	257614	0.059	Biotitic alteration	1%
99.00	100.00	1.00	257615	0.105	Biotitic alteration	1%
100.00	101.00	1.00	257616	0.034	Biotitic alteration	2%
101.00	102.00	1.00	257617	0.009	Biotitic alteration	0%
102.00	103.00	1.00	257618	0.028	Biotitic alteration	1%
103.00	104.00	1.00	257619	0.113	Biotitic alteration	0%
104.00	105.00	1.00	257620	1.220	Sericitic alteration	3%
105.00	106.00	1.00	257621	0.056	Sericitic alteration	3%
106.00	107.00	1.00	257622	0.067	Sericitic alteration	2%
107.00	108.00	1.00	257623	0.149	Sericitic alteration	3%
108.00	109.00	1.00	257625	0.728	Sericitic alteration	3%
109.00	110.00	1.00	257626	0.507	Sericitic alteration	7%
110.00	111.00	1.00	257627	0.117	Sericitic alteration	0%
111.00	112.00	1.00	257628	0.044	Biotitic alteration	0%
112.00	113.00	1.00	257629	0.138	Biotitic alteration	1%
113.00	114.00	1.00	257631	0.168	Sericitic alteration	1%
114.00	115.00	1.00	257632	0.052	Sericitic alteration	1%
115.00	116.00	1.00	257633	0.517	Chloritic alteration	1%
116.00	117.00	1.00	257634	0.034	Chloritic alteration	1%
117.00	118.37	1.37	257635	0.160	Sericitic alteration	2%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>118.37</b>	<b>119.40</b>	<b>Quartz diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
118.37	119.40	1.03	257637	0.182	Chloritic alteration	1%	mg-cg, drk grn, mass, eq qdr w shrp intermingled contacts

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>119.40</b>	<b>133.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
119.40	121.00	1.60	257638	0.040	Chloritic alteration	1%	mg, mass, light to drk grey, non-magnetic
121.00	122.40	1.40	257639	0.127	Chloritic alteration	2%	
122.40	123.50	1.10	257640	1.024	Chloritic alteration	4%	unit contains massive fg chloritic sections
123.50	124.40	0.90	257641	0.271	Sericitic alteration	3%	
124.40	125.00	0.60	257642	0.149	Chloritic alteration	5%	1 pin head speck of VG in 1 cm qtz-cb-chl-po vn w sil-ser halo; unit also contains massive fg chloritic sections
125.00	125.85	0.85	257644	0.005	Chloritic alteration	1%	
125.85	126.62	0.77	257645	0.086	Sericitic alteration	8%	mutiple sheeted qtz-cb-chl-sulphide veins w ser halos
126.62	127.45	0.83	257646	0.240	Chloritic alteration	2%	quick logged as hydbx but don't quite see; looks like mostly fg chl-ser altn

127.45	128.50	1.05	257647	0.432	Chloritic alteration	6%	as above
128.50	129.80	1.30	257649	0.466	Sericitic alteration	3%	as above but grading out of chlorite overprint
129.80	131.00	1.20	257651	3.820	Sericitic alteration	6%	
131.00	132.00	1.00	257652	0.363	Sericitic alteration	1%	
132.00	133.00	1.00	257653	0.071	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>133.00</b>	<b>134.00</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
133.00	134.00	1.00	257654	0.161	Chloritic alteration	1%	in-situ crackle style, sil-ser altd ton in chlorite matrix; gradational contacts

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>134.00</b>	<b>140.75</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
134.00	135.00	1.00	257655	0.698	Sericitic alteration	2%	mg, gry, mass, non-magnetic
135.00	136.40	1.40	257656	0.172	Sericitic alteration	2%	
136.40	137.45	1.05	257657	2.450	Chloritic alteration	4%	same as 257646
137.45	138.50	1.05	257658	0.263	Sericitic alteration	1%	
138.50	139.50	1.00	257659	0.311	Sericitic alteration	2%	
139.50	140.75	1.25	257661	4.210	Biotitic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>140.75</b>	<b>203.70</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
140.75	142.00	1.25	257662	0.358	Chloritic alteration	2%	grn to black, mg, mostly massive w narrow section of shearing
142.00	143.00	1.00	257663	0.005	Chloritic alteration	4%	
143.00	144.48	1.48	257664	0.005	Biotitic alteration	2%	very cooked up section, almost looks like lamp dike but can't find any contacts
144.48	146.00	1.52	257665	0.008	Chloritic alteration	4%	
146.00	147.50	1.50	257666	0.013	Chloritic alteration	1%	
147.50	148.60	1.10	257667	0.026	Chloritic alteration	2%	
148.60	150.00	1.40	257668	3.130	Chloritic alteration	5%	beginning of wk-mod foliation
150.00	151.00	1.00	257669	0.005	Chloritic alteration	3%	
151.00	152.00	1.00	257671	0.005	Chloritic alteration	1%	end of wk-mod foliation
152.00	153.00	1.00	257673	0.006	Chloritic alteration	1%	
153.00	154.00	1.00	257674	0.005	Chloritic alteration	4%	7cm fault
154.00	155.50	1.50	257675	0.005	Chloritic alteration	5%	
155.50	157.00	1.50	257676	0.005	Chloritic alteration	1%	
157.00	158.50	1.50	257677	0.048	Chloritic alteration	0%	
158.50	160.00	1.50	257678	0.043	Chloritic alteration	4%	
160.00	161.00	1.00	257679	0.048	Chloritic alteration	2%	



161.00	162.00	1.00	257680	0.016	Chloritic alteration	1%	
162.00	163.00	1.00	257681	0.080	Chloritic alteration	1%	
163.00	164.00	1.00	257682	0.014	Chloritic alteration	1%	
164.00	165.10	1.10	257683	0.012	Chloritic alteration	5%	
165.10	166.25	1.15	257685	40.000	Chloritic alteration	15%	multiple VG specks up to 3mm in sheared qtz-cb-chl-bi-po-py- cpy vein
166.25	167.50	1.25	257687	0.667	Chloritic alteration	1%	
167.50	169.00	1.50	257688	0.008	Chloritic alteration	2%	
169.00	170.50	1.50	257689	0.006	Chloritic alteration	1%	
170.50	172.00	1.50	257691	0.071	Chloritic alteration	2%	
172.00	173.50	1.50	257692	0.063	Chloritic alteration	1%	
173.50	175.00	1.50	257693	0.005	Chloritic alteration	4%	
175.00	176.50	1.50	257694	0.009	Chloritic alteration	1%	
176.50	178.00	1.50	257695	0.021	Chloritic alteration	1%	
178.00	179.50	1.50	257697	0.017	Chloritic alteration	3%	
179.50	181.00	1.50	257698	0.008	Chloritic alteration	0%	
181.00	182.50	1.50	257699	0.074	Chloritic alteration	1%	
182.50	184.00	1.50	257700	0.011	Chloritic alteration	0%	
184.00	185.50	1.50	257701	0.628	Chloritic alteration	1%	
185.50	187.00	1.50	257702	0.166	Chloritic alteration	0%	
187.00	188.50	1.50	257703	0.049	Chloritic alteration	4%	
188.50	190.00	1.50	257704	0.095	Chloritic alteration	1%	
190.00	191.50	1.50	257705	0.009	Chloritic alteration	0%	
191.50	193.00	1.50	257706	0.061	Chloritic alteration	0%	
193.00	194.50	1.50	257707	0.105	Chloritic alteration	0%	
194.50	196.00	1.50	257708	0.178	Chloritic alteration	1%	
196.00	197.50	1.50	257709	0.097	Chloritic alteration	4%	8cm sheared mf dyke
197.50	199.00	1.50	257711	0.105	Chloritic alteration	0%	
199.00	200.50	1.50	257713	0.005	Chloritic alteration	1%	
200.50	202.00	1.50	257714	0.209	Chloritic alteration	4%	
202.00	203.70	1.70	257715	0.054	Chloritic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>203.70</b>	<b>208.88</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
203.70	205.00	1.30	257716	0.094	Chloritic alteration	2%	mg, very light grey, mass, equigranular, non-magnetic
205.00	206.00	1.00	257717	0.005	Chloritic alteration	2%	
206.00	207.00	1.00	257718	0.067	Chloritic alteration	1%	
207.00	208.00	1.00	257719	0.062	Chloritic alteration	1%	
208.00	208.88	0.88	257720	0.027	Chloritic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>208.88</b>	<b>212.13</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
208.88	210.00	1.12	257721	0.007	Chloritic alteration	0%	mg-cg, mass, equigranular, green, non-magnetic
210.00	211.00	1.00	257722	0.005	Chloritic alteration	0%	
211.00	212.13	1.13	257723	0.057	Chloritic alteration	5%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>212.13</b>	<b>221.25</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
212.13	213.00	0.87	257725	0.233	Biotitic alteration	2%	mg, very light grey, mass, equigranular, non-magnetic
213.00	214.00	1.00	257726	0.522	Biotitic alteration	2%	
214.00	215.00	1.00	257727	0.508	Biotitic alteration	1%	
215.00	216.00	1.00	257728	0.234	Biotitic alteration	2%	
216.00	217.00	1.00	257729	0.676	Biotitic alteration	2%	
217.00	218.00	1.00	257731	0.783	Biotitic alteration	2%	
218.00	219.00	1.00	257732	0.105	Biotitic alteration	0%	
219.00	220.00	1.00	257733	0.213	Silicified	2%	
220.00	221.25	1.25	257734	0.153	Biotitic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>221.25</b>	<b>228.65</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
221.25	222.50	1.25	257735	0.018	Chloritic alteration	2%	mg-cg, drk grn, mass, w cg segs (blue qtz w euhedral plag)
222.50	224.00	1.50	257737	0.045	Chloritic alteration	3%	
224.00	225.50	1.50	257738	0.006	Chloritic alteration	1%	
225.50	227.00	1.50	257739	0.005	Chloritic alteration	1%	
227.00	228.65	1.65	257740	0.005	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>228.65</b>	<b>231.50</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
228.65	230.00	1.35	257741	0.005	Chloritic alteration	2%	f-mg, grn, mass, non-magnetic
230.00	231.50	1.50	257742	0.008	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>231.50</b>	<b>233.48</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
231.50	232.50	1.00	257743	0.274	Chloritic alteration	0%	mg-cg, drk grn, mass, w cg segs (blue qtz w euhedral plag), gradational contact
232.50	233.48	0.98	257744	0.095	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>233.48</b>	<b>234.23</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
233.48	234.23	0.75	257745	0.128	Hematitic alteration	2%	mg, mass, light pinkish, equigranular
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>234.23</b>	<b>239.43</b>	<b>Quartz Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
234.23	235.00	0.77	257746	0.019	Chloritic alteration	0%	qdr-dr mtx w rounded drk grn mafic fragments mm-dm in size
235.00	236.00	1.00	257747	0.018	Chloritic alteration	0%	
236.00	237.00	1.00	257749	0.034	Chloritic alteration	1%	
237.00	238.00	1.00	257751	0.144	Chloritic alteration	1%	
238.00	239.43	1.43	257752	0.188	Chloritic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>239.43</b>	<b>241.44</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
239.43	240.50	1.07	257753	0.083	Biotitic alteration	5%	fg, black, vwk foliated, mafic dike
240.50	241.44	0.94	257754	0.011	Biotitic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>241.44</b>	<b>247.88</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
241.44	242.30	0.86	257755	1.206	Silicified	8%	mg, mass, equigranular, very light grey
242.30	243.00	0.70	257756	0.091	Silicified	1%	
243.00	244.00	1.00	257757	0.455	Silicified	2%	
244.00	245.00	1.00	257758	0.612	Silicified	1%	
245.00	246.00	1.00	257759	0.527	Silicified	1%	
246.00	247.00	1.00	257761	0.197	Biotitic alteration	2%	
247.00	247.88	0.88	257762	0.902	Biotitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>247.88</b>	<b>255.38</b>	<b>Quartz Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
247.88	249.00	1.12	257763	0.179	Chloritic alteration	1%	qdr-dr mtx w rounded drk grn mafic fragments mm-dm in size; brecciated contact (qdr bx frgs in ton)
249.00	250.00	1.00	257764	0.005	Chloritic alteration	0%	
250.00	251.00	1.00	257765	0.029	Chloritic alteration	0%	multiple specks VG in qtz-cb-chl-bi-cpy-py vn
251.00	252.50	1.50	257766	0.395	Chloritic alteration	0%	
252.50	253.00	0.50	257767	71.900	Chloritic alteration	35%	
253.00	254.00	1.00	257769	0.371	Chloritic alteration	1%	

254.00	255.38	1.38	257771	0.139	Chloritic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>255.38</b>	<b>257.60</b>		<b>Tonalite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
255.38	256.50	1.12	257773	0.092	Chloritic alteration	1%	hem altd, light pink ton, mg, non-magnetic w cm-dm scale rounded to sub-rounded fg mafic frags
256.50	257.60	1.10	257774	0.017	Hematitic alteration	1%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>257.60</b>	<b>261.03</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
257.60	259.00	1.40	257775	68.400	Chloritic alteration	3%	mg-cg, inequi, massive, melanocratic, drk gry w cg segs (blue qtz-plag aggregates)
259.00	260.00	1.00	257776	0.197	Chloritic alteration	0%	
260.00	261.03	1.03	257777	0.255	Chloritic alteration	4%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>261.03</b>	<b>261.87</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
261.03	261.87	0.84	257778	0.396	Chloritic alteration	2%	mg, light gry-pink, mass, equigranular, non-magnetic
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>261.87</b>	<b>267.00</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
261.87	263.00	1.13	257779	0.326	Chloritic alteration	1%	mg-cg, inequi, massive, melanocratic, drk gry w cg segs (blue qtz-plag aggregates)
263.00	264.00	1.00	257780	0.217	Chloritic alteration	4%	
264.00	265.00	1.00	257781	0.069	Chloritic alteration	0%	
265.00	266.00	1.00	257782	0.131	Chloritic alteration	1%	
266.00	267.00	1.00	257783	0.105	Chloritic alteration	1%	grading into tonalite
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>267.00</b>	<b>270.20</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
267.00	268.00	1.00	257785	1.083	Silicified	3%	
268.00	268.98	0.98	257786	0.621	Chloritic alteration	5%	strong fracturing w bi infill
268.98	270.20	1.22	257787	0.222	Chloritic alteration	5%	localized brecciation w chl-bi infill
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>270.20</b>	<b>275.20</b>		<b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
270.20	272.00	1.80	257788	0.106	Chloritic alteration	7%	sheared lamp or mafic dyke, fg, drk grn, sheared w minor faulting and gouge material

272.00	273.00	1.00	257789	0.005	Chloritic alteration	3%	
273.00	274.00	1.00	257791	0.007	Chloritic alteration	2%	
274.00	275.20	1.20	257792	0.246	Chloritic alteration	5%	contact parallell tca; sheared rubbly contact strain taken up by dike

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>275.20</b>	<b>366.56</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
275.20	276.00	0.80	257793	0.249	Sericitic alteration	7%	
276.00	277.00	1.00	257794	1.036	Sericitic alteration	1%	
277.00	278.00	1.00	257795	0.070	Sericitic alteration	4%	
278.00	279.00	1.00	257797	0.150	Sericitic alteration	1%	
279.00	280.00	1.00	257798	0.391	Sericitic alteration	1%	
280.00	281.00	1.00	257799	0.626	Sericitic alteration	2%	
281.00	282.00	1.00	257800	0.351	Sericitic alteration	1%	
282.00	283.00	1.00	257801	0.435	Sericitic alteration	2%	
283.00	284.00	1.00	257802	0.672	Sericitic alteration	2%	
284.00	285.00	1.00	257803	2.178	Sericitic alteration	2%	
285.00	286.00	1.00	257804	1.368	Sericitic alteration	1%	
286.00	287.00	1.00	257805	0.679	Sericitic alteration	0%	
287.00	288.00	1.00	257806	1.472	Sericitic alteration	1%	
288.00	289.00	1.00	257807	0.304	Sericitic alteration	1%	
289.00	290.00	1.00	257808	0.325	Sericitic alteration	1%	
290.00	291.00	1.00	257809	0.722	Sericitic alteration	3%	
291.00	292.00	1.00	257811	0.393	Sericitic alteration	1%	
292.00	293.00	1.00	257813	0.303	Sericitic alteration	1%	
293.00	294.00	1.00	257814	0.655	Sericitic alteration	1%	Justin logging. Medium grained, equigranular, massive, light grey.
294.00	295.00	1.00	257815	0.562	Sericitic alteration	1%	
295.00	296.00	1.00	257816	1.800	Sericitic alteration	3%	
296.00	297.00	1.00	257817	0.376	Sericitic alteration	2%	
297.00	298.00	1.00	257818	2.011	Sericitic alteration	13%	
298.00	299.00	1.00	257819	1.063	Sericitic alteration	2%	
299.00	300.00	1.00	257820	0.397	Sericitic alteration	3%	
300.00	301.00	1.00	257821	0.592	Sericitic alteration	2%	
301.00	302.00	1.00	257822	0.820	Sericitic alteration	3%	
302.00	303.00	1.00	257823	0.276	Sericitic alteration	10%	
303.00	304.07	1.07	257825	0.442	Sericitic alteration	3%	
304.07	305.00	0.93	257826	0.270	Sericitic alteration	3%	
305.00	306.00	1.00	257827	0.078	Sericitic alteration	2%	
306.00	307.00	1.00	257828	0.187	Sericitic alteration	3%	
307.00	308.00	1.00	257829	0.333	Sericitic alteration	2%	
308.00	309.05	1.05	257831	0.143	Sericitic alteration	7%	

309.05	310.00	0.95	257832	5.740	Sericitic alteration	2%	
310.00	311.00	1.00	257833	2.224	Sericitic alteration	1%	
311.00	311.84	0.84	257834	0.203	Sericitic alteration	1%	
311.84	312.96	1.12	257835	0.895	Sericitic alteration	9%	
312.96	314.00	1.04	257837	0.178	Sericitic alteration	2%	
314.00	315.00	1.00	257838	0.253	Sericitic alteration	1%	
315.00	316.05	1.05	257839	1.661	Sericitic alteration	2%	VG in vein at 315.07 meters.
316.05	317.05	1.00	257841	0.256	Sericitic alteration	1%	
317.05	318.00	0.95	257842	0.150	Sericitic alteration	3%	
318.00	319.15	1.15	257843	1.203	Sericitic alteration	3%	
319.15	320.00	0.85	257844	0.097	Sericitic alteration	2%	
320.00	321.00	1.00	257845	0.099	Sericitic alteration	4%	
321.00	321.77	0.77	257846	0.240	Sericitic alteration	1%	
321.77	322.70	0.93	257847	0.060	Sericitic alteration	13%	
322.70	324.00	1.30	257849	0.337	Sericitic alteration	2%	
324.00	325.00	1.00	257851	0.456	Sericitic alteration	5%	
325.00	326.00	1.00	257852	0.121	Biotitic alteration	1%	
326.00	327.05	1.05	257853	0.065	Sericitic alteration	5%	30 cm mafic dyke at end of sample.
327.05	328.00	0.95	257854	0.022	Sericitic alteration	1%	
328.00	329.00	1.00	257855	0.542	Sericitic alteration	3%	
329.00	330.29	1.29	257856	1.866	Sericitic alteration	5%	
330.29	331.00	0.71	257857	1.806	Sericitic alteration	2%	
331.00	332.00	1.00	257858	1.979	Sericitic alteration	3%	
332.00	333.00	1.00	257859	0.121	Sericitic alteration	2%	
333.00	334.00	1.00	257861	0.560	Sericitic alteration	2%	
334.00	335.00	1.00	257862	0.020	Biotitic alteration	2%	
335.00	336.00	1.00	257863	0.021	Sericitic alteration	1%	
336.00	337.00	1.00	257864	0.215	Sericitic alteration	1%	
337.00	338.00	1.00	257865	0.217	Sericitic alteration	1%	
338.00	339.00	1.00	257866	0.278	Sericitic alteration	2%	
339.00	340.44	1.44	257867	0.819	Sericitic alteration	18%	
340.44	341.00	0.56	257868	0.080	Sericitic alteration	2%	
341.00	342.00	1.00	257869	0.058	Sericitic alteration	1%	
342.00	343.00	1.00	257871	2.756	Sericitic alteration	1%	couple specs of VG in vein at 342.6 meters.
343.00	344.00	1.00	257873	0.021	Sericitic alteration	1%	
344.00	345.00	1.00	257874	0.030	Sericitic alteration	1%	
345.00	346.00	1.00	257875	0.019	Biotitic alteration	1%	
346.00	347.00	1.00	257876	0.015	Sericitic alteration	1%	
347.00	348.00	1.00	257877	0.035	Sericitic alteration	1%	
348.00	349.00	1.00	257878	0.023	Sericitic alteration	1%	
349.00	350.14	1.14	257879	0.005	Sericitic alteration	1%	

350.14	351.00	0.86	257880	1.979	Sericitic alteration	2%
351.00	352.00	1.00	257881	0.055	Sericitic alteration	1%
352.00	353.00	1.00	257882	0.047	Sericitic alteration	2%
353.00	354.00	1.00	257883	0.005	Sericitic alteration	1%
354.00	355.00	1.00	257885	0.005	Silicified	1%
355.00	355.89	0.89	257886	0.071	Silicified	1%
355.89	357.00	1.11	257887	0.085	Sericitic alteration	2%
357.00	358.00	1.00	257888	0.052	Sericitic alteration	1%
358.00	359.00	1.00	257889	0.014	Sericitic alteration	2%
359.00	360.00	1.00	257891	0.076	Sericitic alteration	2%
360.00	361.00	1.00	257892	0.165	Sericitic alteration	2%
361.00	362.00	1.00	257893	0.141	Sericitic alteration	2%
362.00	363.00	1.00	257894	0.062	Sericitic alteration	1%
363.00	363.69	0.69	257895	0.096	Sericitic alteration	1%
363.69	364.39	0.70	257897	0.048	Chloritic alteration	1%
364.39	365.00	0.61	257898	0.635	Sericitic alteration	2%
365.00	366.00	1.00	257899	0.080	Sericitic alteration	1%
366.00	366.56	0.56	257900	0.089	Sericitic alteration	3%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>366.56</b>	<b>368.85</b>	<b>Diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
366.56	368.00	1.44	257901	0.016	Chloritic alteration	3%	dark greenish grey, fine to medium grained, Massive. Equigranular
368.00	368.85	0.85	257902	0.008	Chloritic alteration	1%	strongly foliated for the first 20 cm of sample

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>368.85</b>	<b>384.80</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
368.85	369.79	0.94	257903	0.097	Sericitic alteration	3%	
369.79	371.00	1.21	257904	2.003	Sericitic alteration	2%	
371.00	372.00	1.00	257905	0.878	Sericitic alteration	2%	
372.00	373.00	1.00	257906	0.071	Sericitic alteration	2%	
373.00	374.00	1.00	257907	0.374	Sericitic alteration	2%	
374.00	375.00	1.00	257908	0.178	Sericitic alteration	3%	
375.00	376.00	1.00	257909	0.119	Sericitic alteration	1%	
376.00	377.00	1.00	257911	0.274	Sericitic alteration	3%	
377.00	378.00	1.00	257913	0.293	Sericitic alteration	2%	
378.00	378.96	0.96	257914	0.062	Sericitic alteration	3%	
378.96	379.77	0.81	257915	0.125	Sericitic alteration	2%	
379.77	381.00	1.23	257916	0.106	Sericitic alteration	2%	
381.00	382.00	1.00	257917	0.119	Sericitic alteration	3%	
382.00	382.96	0.96	257918	0.057	Sericitic alteration	4%	

382.96	384.00	1.04	257919	0.067	Sericitic alteration	5%	
384.00	384.80	0.80	257920	0.238	Sericitic alteration	4%	
<b>From</b> <b>384.80</b>	<b>To</b> <b>387.00</b>	<b>Lithologic Group</b> <b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
384.80	386.00	1.20	257921	0.025	Chloritic alteration	2%	medium grained, medium reddish grey, massive, equigranular
386.00	387.00	1.00	257922	0.005	Chloritic alteration	10%	moderately foliated
<b>From</b> <b>387.00</b>	<b>To</b> <b>392.37</b>	<b>Lithologic Group</b> <b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
387.00	388.00	1.00	257923	0.243	Sericitic alteration	3%	medium grained, light pinkish grey, massive, equigranular
388.00	389.00	1.00	257925	0.067	Sericitic alteration	1%	
389.00	390.00	1.00	257926	0.022	Sericitic alteration	2%	
390.00	391.00	1.00	257927	0.121	Sericitic alteration	2%	
391.00	391.67	0.67	257928	0.048	Sericitic alteration	1%	
391.67	392.37	0.70	257929	0.016	Sericitic alteration	3%	
<b>From</b> <b>392.37</b>	<b>To</b> <b>394.42</b>	<b>Lithologic Group</b> <b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
392.37	393.00	0.63	257931	0.005	Chloritic alteration	2%	fine to medium grained, weakly foliated, medium reddish grey, equigranular
393.00	394.42	1.42	257932	0.005	Chloritic alteration	4%	
<b>From</b> <b>394.42</b>	<b>To</b> <b>402.59</b>	<b>Lithologic Group</b> <b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
394.42	395.00	0.58	257933	0.052	Sericitic alteration	3%	medium grained, massive, equigranular, light pinkish grey
395.00	396.00	1.00	257934	0.047	Sericitic alteration	3%	
396.00	397.00	1.00	257935	0.064	Sericitic alteration	2%	
397.00	398.00	1.00	257937	0.169	Sericitic alteration	2%	
398.00	399.00	1.00	257938	0.072	Sericitic alteration	2%	
399.00	400.00	1.00	257939	0.068	Sericitic alteration	1%	
400.00	401.00	1.00	257940	0.074	Sericitic alteration	2%	
401.00	402.00	1.00	257941	0.057	Sericitic alteration	5%	
402.00	402.59	0.59	257942	0.009	Sericitic alteration	6%	
<b>From</b> <b>402.59</b>	<b>To</b> <b>403.27</b>	<b>Lithologic Group</b> <b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
402.59	403.27	0.68	257943	0.005	Chloritic alteration	0%	fine grained, moderately foliated, dark grey



<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>403.27</b>	<b>406.14</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
403.27	404.03	0.76	257944	0.023	Sericitic alteration	2%	medium grained, equigranular, massive, light pinkish grey
404.03	405.00	0.97	257945	0.049	Sericitic alteration	2%	
405.00	406.14	1.14	257946	0.025	Sericitic alteration	5%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>406.14</b>	<b>412.50</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
406.14	407.00	0.86	257947	0.005	Chloritic alteration	2%	medium grained, equigranular, dark reddish grey, massive
407.00	408.00	1.00	257949	0.005	Chloritic alteration	1%	
408.00	409.00	1.00	257951	0.005	Chloritic alteration	1%	
409.00	410.00	1.00	257952	0.005	Chloritic alteration	1%	
410.00	411.00	1.00	257953	0.005	Chloritic alteration	1%	
411.00	412.00	1.00	257954	0.005	Chloritic alteration	2%	
412.00	412.50	0.50	257955	0.008	Chloritic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>412.50</b>	<b>416.50</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
412.50	414.00	1.50	257956	0.176	Sericitic alteration	2%	
414.00	415.00	1.00	257957	0.058	Sericitic alteration	2%	
415.00	416.50	1.50	257958	0.036	Sericitic alteration	8%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>416.50</b>	<b>419.71</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
416.50	418.00	1.50	257959	0.009	Chloritic alteration	1%	medium grained, equigranular, dark greenish grey, massive
418.00	419.00	1.00	257961	0.008	Chloritic alteration	2%	
419.00	419.71	0.71	257962	0.005	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>419.71</b>	<b>424.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
419.71	421.00	1.29	257963	0.185	Sericitic alteration	2%	medium grained, massive, light pinkish grey
421.00	422.00	1.00	257964	0.056	Sericitic alteration	1%	
422.00	423.00	1.00	257965	0.005	Sericitic alteration	1%	28 cm mafic dyke
423.00	424.00	1.00	257966	0.045	Sericitic alteration	3%	EOH

# DRILL HOLE REPORT

Drill Hole **GOS20-58** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 325.0  
 Dip -60.0  
 Length 425.0 m  
 Started 28-Oct-20  
 Completed 06-Nov-20  
 Logged 08-Nov-20  
 Logged by Laurent Gauchat

Company  
 Contractor Chenier Drilling  
 Position  
 Bore Size BQTK  
 Sample Storage Marathon Laydown  
 Casing STEEL  
 Condition Capped

Survey Details:

Claim Number  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool DGPS

Coordinates:

Target Easting 430545.66  
 Comments UTM Datum NAD83 Northing 5267290.56  
 UTM Zone 17 Elevation 394.36

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
11.0	324.79	-59.66	55598			41.0	325.54	-59.89	54856		
14.0	324.85	-59.70	55229			44.0	325.49	-59.85	54832		
17.0	325.13	-59.76	55164			47.0	325.72	-59.91	54869		
20.0	325.04	-59.79	55025			50.0	325.65	-59.87	54801		
23.0	323.65	-60.76	54980			53.0	325.91	-59.82	54814		
26.0	325.41	-59.85	54908			56.0	325.77	-59.85	54847		
29.0	323.59	-60.81	54789			59.0	324.31	-59.82	55002		
32.0	325.36	-59.90	54880			62.0	326.28	-59.86	54797		
35.0	325.43	-59.89	54893			65.0	325.60	-59.90	54831		
38.0	325.63	-59.88	54891			68.0	325.51	-59.89	54801		

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
71.0	326.39	-59.88	54749		
74.0	326.24	-59.92	54661		
77.0	326.77	-59.90	54768		
80.0	326.93	-59.89	54748		
83.0	325.91	-59.88	54512		
86.0	326.79	-59.88	54775		
89.0	327.01	-59.86	54809		
92.0	326.66	-59.88	54649		
95.0	327.05	-59.90	54740		
98.0	327.13	-59.90	54729		
101.0	327.27	-59.85	54729		
104.0	327.13	-59.86	54718		
107.0	327.42	-59.90	54840		
110.0	327.50	-59.90	54719		
113.0	327.01	-59.92	54301		
116.0	327.82	-59.93	54501		
119.0	327.80	-59.97	54831		
122.0	328.39	-59.99	54802		
125.0	328.46	-59.95	54320		
128.0	328.14	-60.48	54835		
131.0	329.33	-60.01	54927		
134.0	329.56	-60.03	54906		
137.0	329.90	-60.05	54964		
143.0	314.38	-60.02	53368		
149.0	327.50	-60.05	54725		
152.0	328.08	-60.06	54509		
155.0	328.11	-60.04	54450		
158.0	328.31	-60.05	54629		
161.0	328.51	-60.04	54735		
164.0	328.78	-60.01	54810		
167.0	328.78	-59.98	54789		

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
170.0	328.95	-59.98	54826		
173.0	329.05	-59.93	54820		
176.0	329.17	-59.91	54884		
179.0	329.39	-59.92	54854		
182.0	329.37	-59.95	54863		
185.0	329.56	-59.98	54819		
188.0	329.56	-59.99	54820		
191.0	329.63	-60.03	54818		
194.0	329.71	-60.01	54822		
197.0	329.87	-59.96	54834		
200.0	329.94	-59.95	54823		
203.0	329.94	-60.01	54852		
206.0	330.00	-60.00	54825		
209.0	330.09	-60.07	54819		
212.0	330.18	-60.04	54822		
215.0	330.29	-60.00	54824		
218.0	330.42	-60.03	54809		
221.0	330.38	-60.13	54746		
224.0	330.66	-60.10	54804		
227.0	330.70	-60.07	54792		
230.0	330.86	-59.98	54787		
233.0	330.83	-60.02	54810		
236.0	331.01	-60.02	54787		
239.0	331.10	-60.00	54781		
242.0	331.28	-59.97	54753		
245.0	331.52	-59.96	54795		
248.0	331.43	-59.98	54716		
251.0	331.47	-60.02	54742		
254.0	331.67	-59.99	54762		
257.0	331.79	-60.01	54760		
260.0	331.92	-60.01	54780		

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
263.0	331.95	-60.12	54774		
266.0	331.92	-60.20	54762		
269.0	331.94	-60.25	54758		
272.0	331.97	-60.31	54732		
275.0	332.01	-60.44	54732		
278.0	332.20	-60.65	54731		
281.0	332.48	-60.71	54744		
284.0	332.44	-60.77	54734		
287.0	332.62	-60.81	54731		
290.0	332.63	-60.90	54729		
293.0	332.90	-60.99	54742		
296.0	332.86	-61.00	54714		
299.0	332.89	-60.99	54724		
302.0	333.05	-60.95	54749		
305.0	333.19	-60.93	54766		
308.0	333.48	-60.93	54695		
311.0	333.53	-60.97	54704		
314.0	333.16	-60.96	54739		
317.0	333.55	-60.96	54684		
320.0	333.60	-60.96	54650		
323.0	334.05	-60.98	54803		
326.0	334.23	-60.99	54825		
329.0	334.10	-61.00	54477		
332.0	334.07	-61.03	54528		
335.0	333.78	-61.05	54552		
338.0	334.47	-61.11	54860		
341.0	334.28	-61.15	54687		
344.0	334.74	-61.19	54931		
347.0	335.47	-61.25	55033		
350.0	334.66	-61.29	54774		
353.0	334.68	-61.22	54784		

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
356.0	334.79	-61.28	54775		
359.0	334.95	-61.28	54776		
362.0	335.05	-61.28	54773		
365.0	335.25	-61.28	54766		
368.0	335.25	-61.27	54712		
371.0	335.22	-61.27	54771		
374.0	335.24	-61.29	54783		
377.0	335.25	-61.33	54772		
380.0	335.30	-61.36	54773		
383.0	335.48	-61.36	54708		
386.0	335.66	-61.40	54806		
389.0	335.65	-61.45	54790		
392.0	335.68	-61.46	54773		
395.0	335.51	-61.45	54712		
398.0	335.83	-61.56	54739		
401.0	336.09	-61.54	54784		
404.0	336.14	-61.52	54759		
407.0	336.28	-61.54	54766		
410.0	336.28	-61.51	54789		
413.0	336.34	-61.47	54799		
416.0	336.39	-61.47	54784		
419.0	336.52	-61.46	54784		
422.0	336.62	-61.47	54798		
425.0	336.74	-61.49	54779		

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>0.00</b>	<b>1.60</b>	<b>Overburden</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	1.60	1.60			Unaltered		x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>1.60</b>	<b>84.95</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
1.60	3.00	1.40	258001	0.388	Silicified	2%	x
3.00	4.00	1.00	258002	0.322	Silicified	2%	x
4.00	5.00	1.00	258003	0.177	Silicified	1%	x
5.00	6.00	1.00	258004	0.186	Silicified	1%	x
6.00	7.00	1.00	258005	1.126	Silicified	2%	x
7.00	8.00	1.00	258006	0.209	Silicified	2%	x
8.00	9.00	1.00	258007	0.043	Silicified	2%	x
9.00	10.00	1.00	258008	0.273	Silicified	2%	x
10.00	11.00	1.00	258009	0.209	Silicified	1%	x
11.00	12.00	1.00	258011	0.196	Silicified	2%	x
12.00	13.00	1.00	258013	0.115	Silicified	1%	x
13.00	14.00	1.00	258014	0.067	Silicified	1%	x
14.00	15.00	1.00	258015	0.246	Silicified	2%	x
15.00	16.00	1.00	258016	0.126	Silicified	1%	x
16.00	17.00	1.00	258017	0.217	Silicified	1%	x
17.00	18.00	1.00	258018	0.164	Silicified	2%	x
18.00	19.00	1.00	258019	1.025	Silicified	3%	x
19.00	20.00	1.00	258020	0.077	Silicified	1%	x
20.00	21.00	1.00	258021	0.095	Silicified	2%	x
21.00	22.00	1.00	258022	0.260	Silicified	3%	x
22.00	23.00	1.00	258023	0.297	Silicified	3%	x
23.00	24.00	1.00	258025	0.183	Silicified	2%	x
24.00	25.00	1.00	258026	0.104	Silicified	2%	x
25.00	26.00	1.00	258027	0.143	Silicified	5%	x
26.00	27.00	1.00	258028	0.239	Silicified	2%	x
27.00	28.00	1.00	258029	0.396	Silicified	1%	x
28.00	29.00	1.00	258031	0.100	Silicified	2%	x
29.00	30.00	1.00	258032	0.217	Silicified	3%	x
30.00	31.00	1.00	258033	0.096	Silicified	3%	x
31.00	32.00	1.00	258034	0.927	Silicified	3%	x
32.00	33.00	1.00	258035	0.031	Silicified	3%	x

33.00	34.00	1.00	258037	0.111	Silicified	2%	x
34.00	35.00	1.00	258038	0.006	Silicified	3%	x
35.00	36.00	1.00	258039	0.025	Silicified	2%	x
36.00	36.50	0.50	258040	0.162	Silicified	4%	x
36.50	37.00	0.50	258041	2.208	Silicified	3%	x
37.00	38.00	1.00	258042	0.341	Silicified	2%	x
38.00	39.00	1.00	258043	0.065	Silicified	3%	x
39.00	40.00	1.00	258044	0.031	Silicified	4%	x
40.00	41.00	1.00	258045	0.013	Silicified	3%	x
41.00	42.00	1.00	258046	0.067	Silicified	3%	x
42.00	43.00	1.00	258047	0.065	Silicified	2%	x
43.00	44.00	1.00	258049	0.377	Silicified	2%	x
44.00	45.00	1.00	258051	0.111	Silicified	1%	x
45.00	46.00	1.00	258052	0.163	Silicified	2%	x
46.00	47.00	1.00	258053	0.108	Silicified	2%	x
47.00	48.00	1.00	258054	0.257	Silicified	2%	x
48.00	49.00	1.00	258055	0.029	Silicified	1%	x
49.00	50.00	1.00	258056	0.018	Silicified	2%	x
50.00	51.00	1.00	258057	0.167	Silicified	1%	x
51.00	52.00	1.00	258058	0.028	Silicified	2%	x
52.00	53.00	1.00	258059	0.273	Silicified	4%	x
53.00	54.00	1.00	258061	0.119	Silicified	3%	x
54.00	55.00	1.00	258062	0.128	Silicified	2%	x
55.00	56.00	1.00	258063	1.687	Sericitic alteration	3%	x
56.00	57.00	1.00	258064	0.320	Sericitic alteration	6%	x
57.00	58.00	1.00	258065	0.090	Silicified	1%	x
58.00	59.00	1.00	258066	0.632	Sericitic alteration	2%	x
59.00	60.00	1.00	258067	0.590	Silicified	3%	x
60.00	61.00	1.00	258068	0.304	Silicified	2%	x
61.00	62.00	1.00	258069	0.388	Silicified	1%	x
62.00	63.00	1.00	258071	0.318	Silicified	3%	x
63.00	64.00	1.00	258073	0.172	Silicified	1%	x
64.00	65.00	1.00	258074	0.453	Silicified	3%	x
65.00	66.00	1.00	258075	0.281	Silicified	2%	x
66.00	67.00	1.00	258076	0.071	Silicified	3%	x
67.00	68.00	1.00	258077	0.321	Silicified	2%	x
68.00	69.00	1.00	258078	0.267	Silicified	3%	x
69.00	70.00	1.00	258079	1.320	Silicified	7%	x
70.00	71.00	1.00	258080	0.079	Silicified	5%	x
71.00	72.00	1.00	258081	0.022	Sericitic alteration	3%	x
72.00	73.00	1.00	258082	0.022	Sericitic alteration	6%	x
73.00	74.00	1.00	258083	0.139	Sericitic alteration	16%	x

74.00	75.00	1.00	258085	0.041	Sericitic alteration	6%	x
75.00	76.00	1.00	258086	0.008	Sericitic alteration	4%	x
76.00	77.00	1.00	258087	0.008	Silicified	3%	x
77.00	78.00	1.00	258088	0.021	Sericitic alteration	5%	x
78.00	79.00	1.00	258089	0.008	Silicified	4%	x
79.00	80.00	1.00	258091	2.180	Sericitic alteration	6%	x
80.00	81.00	1.00	258092	0.458	Silicified	4%	x
81.00	82.00	1.00	258093	0.168	Silicified	5%	x
82.00	83.00	1.00	258094	0.014	Silicified	3%	x
83.00	84.00	1.00	258095	0.021	Silicified	5%	x
84.00	84.95	0.95	258097	0.130	Silicified	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>84.95</b>	<b>85.80</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
84.95	85.80	0.85	258098	0.015	Unaltered	4%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>85.80</b>	<b>122.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
85.80	87.00	1.20	258099	0.026	Silicified	5%	x
87.00	88.00	1.00	258100	0.950	Sericitic alteration	3%	x
88.00	89.00	1.00	258101	0.339	Sericitic alteration	4%	x
89.00	90.00	1.00	258102	0.081	Silicified	1%	x
90.00	91.00	1.00	258103	0.058	Silicified	2%	x
91.00	92.00	1.00	258104	0.097	Silicified	2%	x
92.00	93.00	1.00	258105	0.096	Silicified	5%	x
93.00	94.00	1.00	258106	0.015	Silicified	4%	x
94.00	95.00	1.00	258107	0.015	Silicified	3%	x
95.00	96.00	1.00	258108	0.028	Silicified	5%	x
96.00	97.00	1.00	258109	0.374	Silicified	3%	x
97.00	98.00	1.00	258111	0.015	Silicified	1%	x
98.00	99.00	1.00	258113	0.049	Silicified	2%	x
99.00	100.00	1.00	258114	0.053	Silicified	2%	x
100.00	101.00	1.00	258115	0.065	Silicified	1%	x
101.00	102.00	1.00	258116	0.045	Silicified	3%	x
102.00	103.00	1.00	258117	0.037	Sericitic alteration	6%	x
103.00	104.00	1.00	258118	0.347	Silicified	4%	x
104.00	105.00	1.00	258119	0.033	Sericitic alteration	12%	x
105.00	106.00	1.00	258120	0.263	Silicified	6%	x
106.00	107.00	1.00	258121	0.005	Silicified	4%	x
107.00	108.00	1.00	258122	0.005	Silicified	3%	x
108.00	109.00	1.00	258123	0.005	Silicified	2%	x
109.00	110.00	1.00	258125	0.021	Silicified	3%	x

110.00	111.00	1.00	258126	0.820	Silicified	4%	x
111.00	112.00	1.00	258127	0.023	Silicified	2%	x
112.00	113.00	1.00	258128	0.136	Silicified	4%	x
113.00	114.00	1.00	258129	0.116	Silicified	2%	x
114.00	115.00	1.00	258131	0.043	Silicified	1%	x
115.00	116.00	1.00	258132	0.030	Sericitic alteration	1%	x
116.00	117.00	1.00	258133	0.012	Silicified	2%	x
117.00	118.00	1.00	258134	0.059	Sericitic alteration	2%	x
118.00	119.00	1.00	258135	0.065	Silicified	2%	x
119.00	120.00	1.00	258137	0.024	Silicified	2%	x
120.00	121.00	1.00	258138	0.024	Silicified	2%	x
121.00	122.00	1.00	258139	0.019	Silicified	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>122.00</b>	<b>123.40</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
122.00	123.40	1.40	258140	0.046	Silicified	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>123.40</b>	<b>124.60</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
123.40	124.60	1.20	258141	0.018	Silicified	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>124.60</b>	<b>125.50</b>	<b>Quartz Diorite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
124.60	125.50	0.90	258142	0.072	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>125.50</b>	<b>128.20</b>	<b>Tonalite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
125.50	127.00	1.50	258143	0.077	Silicified	2%	Caitlin logging from here down hole
127.00	128.20	1.20	258144	0.133	Silicified	8%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>128.20</b>	<b>128.90</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
128.20	128.90	0.70	258145	0.125	Chloritic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>128.90</b>	<b>129.65</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
128.90	129.65	0.75	258146	0.161	Silicified	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>129.65</b>	<b>222.35</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
129.65	131.00	1.35	258147	0.251	Chloritic alteration	6%	



131.00	132.00	1.00	258149	0.005	Chloritic alteration	1%	
132.00	133.00	1.00	258151	0.005	Chloritic alteration	1%	
133.00	134.00	1.00	258152	0.005	Chloritic alteration	1%	
134.00	135.00	1.00	258153	0.005	Chloritic alteration	1%	
135.00	136.00	1.00	258154	0.074	Chloritic alteration	2%	
136.00	137.15	1.15	258155	0.005	Chloritic alteration	6%	
137.15	138.00	0.85	258156	0.005	Chloritic alteration	1%	
138.00	138.65	0.65	258157	0.005	Chloritic alteration	2%	
138.65	139.20	0.55	258158	1.861	Biotitic alteration	10%	sheared sheared sheared
139.20	140.00	0.80	258159	0.005	Chloritic alteration	1%	sheared
140.00	141.00	1.00	258161	0.012	Chloritic alteration	3%	sheared
141.00	142.00	1.00	258162	0.007	Chloritic alteration	4%	sheared
142.00	143.00	1.00	258163	0.005	Chloritic alteration	2%	sheared
143.00	144.00	1.00	258164	0.020	Chloritic alteration	4%	sheared
144.00	145.00	1.00	258165	0.015	Chloritic alteration	1%	sheared
145.00	146.00	1.00	258166	0.028	Chloritic alteration	1%	sheared
146.00	147.00	1.00	258167	0.018	Chloritic alteration	1%	sheared
147.00	148.00	1.00	258168	0.009	Chloritic alteration	2%	sheared
148.00	149.00	1.00	258169	0.005	Chloritic alteration	3%	sheared and faulted; abundant gouge; minor rubble; tectonic breccia cemented with qtz-carb
149.00	150.00	1.00	258171	0.005	Chloritic alteration	1%	sheared
150.00	151.00	1.00	258173	0.005	Chloritic alteration	2%	
151.00	152.00	1.00	258174	0.005	Chloritic alteration	2%	
152.00	153.00	1.00	258175	0.005	Chloritic alteration	1%	
153.00	153.75	0.75	258176	0.136	Biotitic alteration	8%	
153.75	155.00	1.25	258177	3.050	Biotitic alteration	60%	
155.00	156.00	1.00	258178	0.011	Chloritic alteration	5%	
156.00	157.00	1.00	258179	0.005	Chloritic alteration	1%	
157.00	158.00	1.00	258180	0.005	Chloritic alteration	1%	
158.00	159.00	1.00	258181	0.005	Chloritic alteration	1%	
159.00	160.00	1.00	258182	0.005	Chloritic alteration	4%	
160.00	161.00	1.00	258183	0.005	Chloritic alteration	1%	
161.00	162.00	1.00	258185	0.005	Chloritic alteration	5%	
162.00	163.00	1.00	258186	0.005	Chloritic alteration	1%	
163.00	164.00	1.00	258187	0.009	Chloritic alteration	3%	
164.00	165.00	1.00	258188	0.005	Chloritic alteration	3%	
165.00	166.00	1.00	258189	0.005	Chloritic alteration	1%	
166.00	167.00	1.00	258191	0.012	Chloritic alteration	2%	
167.00	168.00	1.00	258192	0.039	Chloritic alteration	7%	
168.00	169.00	1.00	258193	0.005	Chloritic alteration	1%	
169.00	170.00	1.00	258194	0.009	Chloritic alteration	2%	

170.00	171.00	1.00	258195	0.032	Chloritic alteration	1%	
171.00	172.00	1.00	258197	0.015	Chloritic alteration	1%	
172.00	173.00	1.00	258198	0.062	Chloritic alteration	2%	
173.00	174.00	1.00	258199	0.084	Chloritic alteration	1%	30% QDR
174.00	175.00	1.00	258200	0.140	Chloritic alteration	5%	
175.00	176.00	1.00	258201	0.059	Chloritic alteration	1%	
176.00	177.00	1.00	258202	0.008	Chloritic alteration	1%	
177.00	178.00	1.00	258203	0.017	Chloritic alteration	2%	
178.00	179.00	1.00	258204	0.016	Chloritic alteration	1%	
179.00	180.00	1.00	258205	0.798	Chloritic alteration	2%	
180.00	181.00	1.00	258206	0.156	Chloritic alteration	2%	
181.00	182.00	1.00	258207	0.009	Chloritic alteration	3%	
182.00	183.00	1.00	258208	0.007	Chloritic alteration	1%	
183.00	184.00	1.00	258209	0.029	Chloritic alteration	1%	
184.00	185.00	1.00	258211	0.180	Chloritic alteration	6%	
185.00	185.75	0.75	258213	0.012	Chloritic alteration	2%	
185.75	187.05	1.30	258214	0.005	Chloritic alteration	10%	
187.05	188.00	0.95	258215	0.060	Chloritic alteration	1%	
188.00	189.00	1.00	258216	0.055	Chloritic alteration	1%	
189.00	190.00	1.00	258217	0.231	Chloritic alteration	1%	
190.00	191.00	1.00	258218	0.046	Chloritic alteration	1%	
191.00	192.00	1.00	258219	0.010	Chloritic alteration	1%	
192.00	193.00	1.00	258220	0.005	Chloritic alteration	2%	
193.00	194.00	1.00	258221	0.005	Chloritic alteration	1%	
194.00	195.00	1.00	258222	0.011	Chloritic alteration	0%	
195.00	196.00	1.00	258223	0.005	Chloritic alteration	1%	
196.00	197.00	1.00	258225	0.005	Chloritic alteration	2%	
197.00	198.00	1.00	258226	0.172	Chloritic alteration	5%	
198.00	199.40	1.40	258227	0.005	Chloritic alteration	1%	
199.40	200.10	0.70	258228	0.005	Chloritic alteration	1%	leucodiorite
200.10	201.00	0.90	258229	0.005	Chloritic alteration	1%	
201.00	202.00	1.00	258231	0.012	Chloritic alteration	1%	
202.00	203.00	1.00	258232	0.005	Chloritic alteration	1%	
203.00	204.00	1.00	258233	0.005	Chloritic alteration	1%	
204.00	205.00	1.00	258234	0.005	Chloritic alteration	0%	
205.00	206.00	1.00	258235	0.022	Chloritic alteration	4%	
206.00	207.00	1.00	258237	0.005	Chloritic alteration	2%	
207.00	208.00	1.00	258238	0.010	Chloritic alteration	0%	
208.00	209.00	1.00	258239	0.014	Chloritic alteration	4%	
209.00	209.65	0.65	258240	0.013	Chloritic alteration	4%	
209.65	210.80	1.15	258241	0.009	Chloritic alteration	3%	leucodiorite
210.80	212.00	1.20	258242	0.011	Chloritic alteration	1%	

212.00	213.00	1.00	258243	0.006	Chloritic alteration	1%
213.00	214.00	1.00	258244	0.005	Chloritic alteration	7%
214.00	215.00	1.00	258245	0.055	Chloritic alteration	4%
215.00	216.00	1.00	258246	0.042	Chloritic alteration	1%
216.00	217.00	1.00	258247	0.018	Chloritic alteration	12%
217.00	218.00	1.00	258249	0.130	Chloritic alteration	3%
218.00	219.00	1.00	258251	0.324	Chloritic alteration	3%
219.00	220.00	1.00	258252	0.347	Chloritic alteration	2%
220.00	221.00	1.00	258253	0.034	Chloritic alteration	1%
221.00	222.35	1.35	258254	0.029	Chloritic alteration	1%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>222.35</b>	<b>227.40</b>	<b>Quartz diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
222.35	223.00	0.65	258255	0.019	Chloritic alteration	2%	
223.00	224.00	1.00	258256	0.029	Chloritic alteration	0%	
224.00	225.00	1.00	258257	0.029	Chloritic alteration	1%	
225.00	226.00	1.00	258258	0.140	Chloritic alteration	2%	
226.00	227.40	1.40	258259	0.076	Chloritic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>227.40</b>	<b>234.00</b>	<b>Diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
227.40	228.00	0.60	258261	0.014	Chloritic alteration	0%	
228.00	229.00	1.00	258262	0.020	Chloritic alteration	1%	
229.00	230.00	1.00	258263	0.011	Chloritic alteration	1%	
230.00	231.00	1.00	258264	0.014	Chloritic alteration	1%	
231.00	231.75	0.75	258265	0.199	Chloritic alteration	1%	
231.75	233.00	1.25	258266	0.007	Chloritic alteration	1%	
233.00	234.00	1.00	258267	0.013	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>234.00</b>	<b>235.15</b>	<b>Tonalite Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
234.00	235.15	1.15	258268	0.015	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>235.15</b>	<b>237.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
235.15	236.00	0.85	258269	0.043	Silicified	1%	
236.00	237.00	1.00	258271	0.087	Silicified	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>237.00</b>	<b>240.00</b>	<b>Tonalite Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
237.00	238.00	1.00	258273	0.061	Chloritic alteration	1%	
238.00	239.00	1.00	258274	0.012	Chloritic alteration	1%	

239.00	240.00	1.00	258275	0.009	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>240.00</b>	<b>303.10</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
240.00	241.00	1.00	258276	0.287	Silicified	1%	
241.00	242.00	1.00	258277	0.029	Silicified	0%	
242.00	243.00	1.00	258278	0.054	Silicified	1%	
243.00	244.00	1.00	258279	0.056	Silicified	2%	
244.00	245.00	1.00	258280	0.005	Silicified	2%	
245.00	246.00	1.00	258281	0.005	Silicified	1%	
246.00	247.00	1.00	258282	0.029	Silicified	3%	
247.00	248.00	1.00	258283	0.017	Silicified	1%	
248.00	249.00	1.00	258285	0.017	Silicified	1%	
249.00	250.00	1.00	258286	0.100	Silicified	2%	
250.00	250.65	0.65	258287	0.050	Silicified	2%	
250.65	252.00	1.35	258288	0.129	Silicified	1%	
252.00	253.00	1.00	258289	0.021	Silicified	2%	
253.00	254.00	1.00	258291	0.020	Silicified	2%	
254.00	255.00	1.00	258292	0.005	Silicified	2%	
255.00	256.00	1.00	258293	0.005	Sericitic alteration	2%	
256.00	257.00	1.00	258294	0.014	Sericitic alteration	2%	
257.00	258.00	1.00	258295	0.005	Sericitic alteration	1%	
258.00	259.00	1.00	258297	0.008	Sericitic alteration	2%	
259.00	260.00	1.00	258298	0.040	Hematitic alteration	1%	
260.00	261.00	1.00	258299	0.013	Hematitic alteration	1%	
261.00	262.00	1.00	258300	0.034	Hematitic alteration	2%	
262.00	263.00	1.00	258301	0.014	Hematitic alteration	3%	
263.00	264.00	1.00	258302	0.005	Hematitic alteration	1%	
264.00	265.00	1.00	258303	0.005	Hematitic alteration	1%	
265.00	266.00	1.00	258304	0.007	Hematitic alteration	1%	
266.00	267.00	1.00	258305	0.005	Hematitic alteration	2%	
267.00	268.00	1.00	258306	0.005	Hematitic alteration	2%	
268.00	269.00	1.00	258307	0.009	Hematitic alteration	1%	
269.00	270.00	1.00	258308	0.005	Hematitic alteration	1%	
270.00	271.00	1.00	258309	0.010	Hematitic alteration	2%	
271.00	272.00	1.00	258311	0.005	Hematitic alteration	1%	
272.00	273.00	1.00	258313	0.063	Hematitic alteration	2%	
273.00	274.00	1.00	258314	0.054	Hematitic alteration	1%	
274.00	275.00	1.00	258315	0.020	Hematitic alteration	2%	
275.00	276.00	1.00	258316	0.005	Hematitic alteration	1%	
276.00	277.00	1.00	258317	0.005	Hematitic alteration	1%	
277.00	278.35	1.35	258318	0.005	Hematitic alteration	1%	

278.35	279.00	0.65	258319	0.041	Silica–Sodic alteration	0%	
279.00	280.00	1.00	258320	0.060	Silica–Sodic alteration	1%	
280.00	281.00	1.00	258321	0.005	Silica–Sodic alteration	1%	
281.00	282.00	1.00	258322	0.148	Silica–Sodic alteration	0%	
282.00	283.00	1.00	258323	0.103	Silica–Sodic alteration	1%	
283.00	284.00	1.00	258325	0.017	Hematitic alteration	1%	
284.00	285.40	1.40	258326	0.012	Hematitic alteration	1%	
285.40	286.00	0.60	258327	0.009	Silica–Sodic alteration	0%	
286.00	287.00	1.00	258328	0.007	Silica–Sodic alteration	0%	
287.00	288.00	1.00	258329	0.005	Hematitic alteration	2%	
288.00	289.40	1.40	258331	0.005	Hematitic alteration	1%	
289.40	290.00	0.60	258332	0.005	Silica–Sodic alteration	1%	
290.00	291.00	1.00	258333	0.005	Silica–Sodic alteration	1%	
291.00	292.00	1.00	258334	0.005	Silica–Sodic alteration	0%	
292.00	293.25	1.25	258335	0.005	Silica–Sodic alteration	0%	
293.25	294.00	0.75	258337	0.017	Hematitic alteration	1%	
294.00	295.00	1.00	258338	0.052	Hematitic alteration	1%	
295.00	296.35	1.35	258339	0.015	Hematitic alteration	1%	
296.35	297.00	0.65	258340	0.017	Silica–Sodic alteration	1%	
297.00	298.00	1.00	258341	0.023	Silica–Sodic alteration	1%	
298.00	299.00	1.00	258342	0.470	Silica–Sodic alteration	1%	sample is 5% mafic dyke
299.00	300.10	1.10	258343	0.078	Silica–Sodic alteration	1%	sample is 10% mafic dyke
300.10	301.00	0.90	258344	0.184	Silica–Sodic alteration	0%	
301.00	302.00	1.00	258345	0.216	Silica–Sodic alteration	0%	
302.00	303.10	1.10	258346	0.052	Silica–Sodic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>303.10</b>	<b>304.15</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
303.10	304.15	1.05	258347	0.005	Chloritic alteration	12%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>304.15</b>	<b>308.20</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
304.15	305.00	0.85	258349	0.023	Hematitic alteration	1%	
305.00	306.00	1.00	258351	0.183	Hematitic alteration	1%	
306.00	307.00	1.00	258352	0.180	Silicified	1%	
307.00	308.20	1.20	258353	1.101	Silicified	6%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>308.20</b>	<b>309.40</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
308.20	309.40	1.20	258354	0.006	Chloritic alteration	8%	sheared

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>309.40</b>	<b>318.95</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
309.40	310.00	0.60	258355	0.078	Sericitic alteration	4%	
310.00	311.00	1.00	258356	0.067	Hematitic alteration	1%	
311.00	312.00	1.00	258357	0.107	Hematitic alteration	1%	
312.00	313.00	1.00	258358	0.065	Hematitic alteration	1%	
313.00	314.00	1.00	258359	0.219	Hematitic alteration	2%	
314.00	315.00	1.00	258361	0.018	Hematitic alteration	1%	
315.00	316.00	1.00	258362	0.005	Hematitic alteration	1%	
316.00	317.00	1.00	258363	0.020	Hematitic alteration	1%	
317.00	318.00	1.00	258364	0.063	Hematitic alteration	4%	
318.00	318.95	0.95	258365	0.036	Hematitic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>318.95</b>	<b>319.50</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
318.95	319.50	0.55	258366	0.011	Chloritic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>319.50</b>	<b>321.20</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
319.50	320.50	1.00	258367	0.009	Hematitic alteration	7%	
320.50	321.20	0.70	258368	0.007	Sericitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>321.20</b>	<b>323.25</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
321.20	322.00	0.80	258369	0.005	Biotitic alteration	1%	
322.00	323.25	1.25	258371	0.005	Biotitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>323.25</b>	<b>325.00</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
323.25	324.00	0.75	258373	0.005	Chloritic alteration	1%	
324.00	325.00	1.00	258374	0.005	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>325.00</b>	<b>326.05</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
325.00	326.05	1.05	258375	0.005	Biotitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>326.05</b>	<b>327.45</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
326.05	327.45	1.40	258376	0.009	Biotitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>327.45</b>	<b>328.50</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
327.45	328.50	1.05	258377	0.005	Biotitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>328.50</b>	<b>349.15</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
328.50	330.00	1.50	258378	0.011	Sericitic alteration	1%	
330.00	331.00	1.00	258379	0.085	Sericitic alteration	1%	
331.00	332.00	1.00	258380	0.052	Sericitic alteration	1%	
332.00	333.00	1.00	258381	0.047	Sericitic alteration	1%	
333.00	334.00	1.00	258382	0.005	Sericitic alteration	1%	
334.00	335.00	1.00	258383	0.020	Hematitic alteration	1%	
335.00	336.00	1.00	258385	0.020	Hematitic alteration	1%	
336.00	337.00	1.00	258386	0.012	Hematitic alteration	1%	
337.00	338.00	1.00	258387	0.027	Hematitic alteration	1%	
338.00	339.00	1.00	258388	0.021	Hematitic alteration	1%	
339.00	339.90	0.90	258389	0.005	Hematitic alteration	1%	
339.90	341.00	1.10	258391	0.005	Sericitic alteration	6%	
341.00	341.65	0.65	258392	0.013	Sericitic alteration	23%	
341.65	343.00	1.35	258393	0.005	Silicified	5%	
343.00	344.00	1.00	258394	0.005	Silicified	1%	
344.00	345.00	1.00	258395	0.006	Hematitic alteration	2%	
345.00	346.00	1.00	258397	0.009	Hematitic alteration	4%	
346.00	347.00	1.00	258398	0.010	Hematitic alteration	1%	
347.00	348.00	1.00	258399	0.005	Hematitic alteration	2%	
348.00	349.15	1.15	258400	0.009	Hematitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>349.15</b>	<b>350.45</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
349.15	350.45	1.30	258401	0.005	Chloritic alteration	7%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>350.45</b>	<b>357.30</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
350.45	351.00	0.55	258402	0.014	Sericitic alteration	2%	
351.00	352.00	1.00	258403	0.014	Sericitic alteration	1%	
352.00	353.00	1.00	258404	0.014	Sericitic alteration	5%	
353.00	354.00	1.00	258405	0.013	Sericitic alteration	2%	
354.00	355.00	1.00	258406	0.015	Silicified	6%	
355.00	356.00	1.00	258407	0.015	Silicified	1%	
356.00	357.30	1.30	258408	0.005	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>357.30</b>	<b>362.65</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
357.30	358.10	0.80	258409	0.006	Chloritic alteration	3%	
358.10	359.00	0.90	258411	0.007	Chloritic alteration	1%	
359.00	360.00	1.00	258413	0.005	Chloritic alteration	1%	
360.00	361.00	1.00	258414	0.005	Chloritic alteration	1%	
361.00	362.00	1.00	258415	0.005	Chloritic alteration	11%	
362.00	362.65	0.65	258416	0.005	Chloritic alteration	7%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>362.65</b>	<b>390.15</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
362.65	364.00	1.35	258417	0.005	Hematitic alteration	8%	
364.00	365.00	1.00	258418	0.010	Hematitic alteration	11%	
365.00	366.10	1.10	258419	0.005	Silicified	10%	
366.10	367.00	0.90	258420	0.006	Silicified	1%	
367.00	368.00	1.00	258421	0.005	Silicified	11%	
368.00	369.00	1.00	258422	0.005	Silicified	12%	
369.00	370.00	1.00	258423	0.005	Silicified	1%	
370.00	371.00	1.00	258425	0.007	Hematitic alteration	1%	
371.00	372.00	1.00	258426	0.005	Hematitic alteration	1%	
372.00	373.00	1.00	258427	0.016	Hematitic alteration	1%	
373.00	374.00	1.00	258428	0.005	Hematitic alteration	4%	
374.00	375.00	1.00	258429	0.005	Hematitic alteration	2%	
375.00	376.00	1.00	258431	0.005	Hematitic alteration	5%	
376.00	377.00	1.00	258432	0.005	Hematitic alteration	3%	
377.00	378.00	1.00	258433	0.012	Hematitic alteration	4%	
378.00	379.00	1.00	258434	0.013	Hematitic alteration	2%	
379.00	380.00	1.00	258435	0.005	Hematitic alteration	1%	
380.00	381.00	1.00	258437	0.050	Hematitic alteration	1%	
381.00	382.00	1.00	258438	0.005	Hematitic alteration	5%	
382.00	383.00	1.00	258439	0.012	Hematitic alteration	2%	
383.00	384.00	1.00	258440	0.005	Sericitic alteration	4%	
384.00	385.00	1.00	258441	0.005	Hematitic alteration	1%	
385.00	386.00	1.00	258442	0.012	Sericitic alteration	1%	
386.00	387.00	1.00	258443	0.005	Sericitic alteration	1%	
387.00	388.00	1.00	258444	0.005	Sericitic alteration	2%	
388.00	389.00	1.00	258445	0.020	Sericitic alteration	3%	
389.00	390.15	1.15	258446	0.011	Sericitic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>390.15</b>	<b>392.15</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments



390.15	391.00	0.85	258447	0.009	Chloritic alteration	5%
391.00	392.15	1.15	258449	0.005	Chloritic alteration	2%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>392.15</b>	<b>402.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
392.15	393.00	0.85	258451	0.005	Hematitic alteration	2%	
393.00	394.00	1.00	258452	0.005	Hematitic alteration	1%	
394.00	395.00	1.00	258453	0.005	Sericitic alteration	1%	
395.00	396.00	1.00	258454	0.005	Hematitic alteration	1%	
396.00	397.05	1.05	258455	0.006	Hematitic alteration	5%	
397.05	398.00	0.95	258456	0.038	Hematitic alteration	1%	
398.00	399.00	1.00	258457	0.031	Hematitic alteration	5%	
399.00	400.00	1.00	258458	0.017	Hematitic alteration	1%	
400.00	401.00	1.00	258459	0.005	Hematitic alteration	1%	
401.00	402.00	1.00	258461	0.005	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>402.00</b>	<b>402.80</b>	<b>Mafic Dyke</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
402.00	402.80	0.80	258462	0.011	Chloritic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>402.80</b>	<b>425.00</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
402.80	403.70	0.90	258463	0.029	Sericitic alteration	1%	
403.70	404.75	1.05	258464	0.041	Sericitic alteration	2%	
404.75	406.00	1.25	258465	0.020	Silicified	1%	
406.00	407.00	1.00	258466	0.005	Sericitic alteration	3%	
407.00	408.00	1.00	258467	0.016	Sericitic alteration	3%	
408.00	409.00	1.00	258468	0.044	Sericitic alteration	3%	
409.00	410.00	1.00	258469	0.178	Sericitic alteration	2%	
410.00	411.00	1.00	258471	0.013	Sericitic alteration	1%	
411.00	412.00	1.00	258473	0.005	Hematitic alteration	1%	
412.00	413.00	1.00	258474	0.013	Hematitic alteration	1%	
413.00	414.00	1.00	258475	0.011	Hematitic alteration	1%	
414.00	415.00	1.00	258476	0.141	Hematitic alteration	1%	
415.00	416.00	1.00	258477	0.011	Sericitic alteration	1%	
416.00	417.00	1.00	258478	0.020	Sericitic alteration	2%	
417.00	418.00	1.00	258479	0.005	Sericitic alteration	2%	
418.00	419.00	1.00	258480	0.064	Sericitic alteration	3%	
419.00	420.00	1.00	258481	0.036	Hematitic alteration	2%	
420.00	421.00	1.00	258482	0.005	Hematitic alteration	6%	
421.00	422.00	1.00	258483	0.057	Sericitic alteration	2%	
422.00	423.00	1.00	258485	0.423	Sericitic alteration	1%	

423.00	424.00	1.00	258486	0.028	Sericitic alteration	3%	
424.00	425.00	1.00	258487	0.046	Sericitic alteration	2%	EOH

# DRILL HOLE REPORT

Drill Hole **GOS20-59** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 330.0  
 Dip -59.0  
 Length 427.5 m  
 Started 06-Nov-20  
 Completed 16-Nov-20  
 Logged 19-Nov-20  
 Logged by Justin Bisailon

Company  
 Contractor Chenier Drilling  
 Position  
 Bore Size BQTK  
 Sample Storage Klondike Lodge  
 Casing STEEL  
 Condition Capped

Survey Details:

Claim Number PAT-11117  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool DGPS

Coordinates:

Target Easting 430491.97  
 Comments UTM Datum NAD83 Northing 5267261.69  
 UTM Zone 17 Elevation 389.92

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
22.5	329.82	-61.01	56201	RM		58.5	330.30	-60.93	55385	RM	
25.5	329.57	-61.34	55769	RM		61.5	330.60	-60.87	55388	RM	
28.5	330.15	-60.93	55617	RM		64.5	330.49	-60.85	55340	RM	
31.5	330.06	-60.94	55515	RM		67.5	330.66	-60.86	55344	RM	
34.5	329.93	-60.96	55465	RM		70.5	330.68	-60.82	55338	RM	
37.5	330.06	-60.91	55442	RM		73.5	330.78	-60.77	55334	RM	
40.5	330.19	-60.82	55428	RM		76.5	331.43	-60.61	55324	RM	
46.5	330.27	-60.72	55395	RM		79.5	329.76	-61.69	55348	RM	
49.5	330.22	-60.90	55376	RM		82.5	331.04	-60.70	55315	RM	
55.5	330.55	-60.88	55377	RM		85.5	330.95	-60.71	55335	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
88.5	331.15	-60.66	55308	RM	
91.5	331.17	-60.53	55317	RM	
94.5	331.37	-60.50	55306	RM	
97.5	331.26	-60.45	55305	RM	
100.5	331.48	-60.36	55287	RM	
103.5	331.37	-60.56	55309	RM	
106.5	331.28	-60.44	55296	RM	
109.5	331.81	-60.21	55313	RM	
112.5	331.68	-60.42	55312	RM	
115.5	331.80	-60.35	55313	RM	
118.5	331.70	-60.41	55280	RM	
121.5	331.72	-60.41	55262	RM	
124.5	331.91	-60.46	55271	RM	
127.5	331.98	-60.40	55274	RM	
130.5	331.95	-60.43	55226	RM	
133.5	331.79	-60.58	55228	RM	
136.5	332.32	-60.44	55209	RM	
142.5	332.37	-60.38	55149	RM	
145.5	332.56	-60.34	55154	RM	
148.5	332.86	-60.34	55100	RM	
151.5	332.79	-60.33	54952	RM	
154.5	332.67	-60.28	54814	RM	
157.5	332.44	-60.20	54814	RM	
160.5	332.25	-60.33	55332	RM	
163.5	332.51	-60.54	55553	RM	
166.5	333.16	-60.24	55675	RM	
169.5	333.57	-60.18	55675	RM	
172.5	333.57	-60.26	55586	RM	
175.5	333.87	-60.13	55568	RM	
178.5	333.36	-60.65	55548	RM	
181.5	333.98	-60.29	55496	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
184.5	334.10	-60.06	55476	RM	
187.5	334.19	-60.12	55479	RM	
190.5	334.38	-60.13	55466	RM	
193.5	334.60	-60.09	55449	RM	
199.5	334.72	-59.99	55406	RM	
202.5	334.87	-59.94	55427	RM	
205.5	334.92	-59.89	55413	RM	
208.5	334.82	-60.11	55425	RM	
211.5	335.20	-59.85	55403	RM	
214.5	335.31	-59.84	55440	RM	
217.5	335.37	-60.02	55434	RM	
220.5	335.52	-59.71	55400	RM	
223.5	335.50	-59.66	55398	RM	
226.5	335.68	-59.60	55385	RM	
229.5	335.78	-59.57	55369	RM	
232.5	335.88	-59.49	55357	RM	
235.5	335.96	-59.47	55342	RM	
238.5	335.95	-59.58	55348	RM	
244.5	335.99	-59.47	55326	RM	
247.5	336.09	-59.43	55345	RM	
250.5	336.05	-59.43	55353	RM	
253.5	336.26	-59.33	55283	RM	
256.5	336.18	-59.26	55309	RM	
259.5	336.34	-59.13	55286	RM	
262.5	336.24	-59.33	55287	RM	
265.5	336.60	-59.12	55318	RM	
268.5	336.65	-59.11	55226	RM	
271.5	336.72	-59.11	55307	RM	
274.5	336.57	-59.14	55322	RM	
277.5	336.10	-59.14	55095	RM	
280.5	336.67	-59.12	55315	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
283.5	336.65	-59.04	55181	RM	
286.5	336.87	-59.08	55377	RM	
289.5	337.13	-59.07	55267	RM	
292.5	337.25	-59.24	55340	RM	
295.5	337.24	-59.14	55199	RM	
298.5	336.61	-59.12	55246	RM	
301.5	336.91	-59.14	55256	RM	
304.5	337.71	-59.24	55281	RM	
307.5	337.80	-59.23	55318	RM	
310.5	338.04	-59.44	55296	RM	
313.5	338.37	-59.47	55343	RM	
316.5	338.31	-59.49	55368	RM	
319.5	338.40	-59.57	55395	RM	
322.5	338.74	-59.65	55365	RM	
325.5	338.85	-59.64	55208	RM	
328.5	338.37	-59.60	55163	RM	
331.5	338.48	-59.54	55231	RM	
334.5	338.44	-59.48	55361	RM	
337.5	338.57	-59.39	55321	RM	
340.5	338.71	-59.33	55283	RM	
343.5	338.78	-59.27	55375	RM	
346.5	338.52	-59.18	55329	RM	
349.5	338.67	-59.20	55312	RM	
352.5	338.67	-59.21	55318	RM	
355.5	338.58	-59.17	55344	RM	
358.5	338.78	-59.16	55360	RM	
361.5	338.85	-59.11	55332	RM	
364.5	338.93	-59.03	55350	RM	
367.5	338.52	-59.12	55322	RM	
370.5	338.23	-58.97	55235	RM	
373.5	338.61	-58.85	55346	RM	

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
376.5	338.57	-58.85	55504	RM	
379.5	338.06	-58.68	55450	RM	
382.5	339.38	-58.46	55364	RM	
385.5	339.53	-58.20	55365	RM	
388.5	339.37	-58.30	55384	RM	
391.5	339.20	-58.23	55430	RM	
394.5	339.41	-58.15	55321	RM	
397.5	339.38	-58.25	55241	RM	
400.5	339.63	-58.26	55291	RM	
403.5	339.69	-58.21	55349	RM	
406.5	339.04	-59.40	55344	RM	
412.5	340.14	-58.10	55272	RM	
415.5	340.39	-58.06	55218	RM	
418.5	340.41	-57.99	55395	RM	
421.5	340.55	-57.80	55340	RM	
424.5	340.63	-57.71	55284	RM	
427.5	340.98	-57.71	54990	RM	

From	To	Lithologic Group					
0.00	1.54	Overburden					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	1.54	1.54			Unaltered		Overburden
From	To	Lithologic Group					
1.54	36.66	Tonalite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
1.54	2.28	0.74	258701	0.124	Sericitic alteration	1%	light grey with rusty patches, medium grained, massive, equigranular
2.28	3.00	0.72	258702	0.453	Sericitic alteration	1%	
3.00	4.00	1.00	258703	0.168	Sericitic alteration	1%	
4.00	5.00	1.00	258704	0.179	Sericitic alteration	3%	
5.00	6.10	1.10	258705	0.042	Sericitic alteration	5%	
6.10	7.00	0.90	258706	0.042	Sericitic alteration	2%	bleached with brownish tinge
7.00	8.02	1.02	258707	0.046	Sericitic alteration	3%	
8.02	9.00	0.98	258708	0.045	Sericitic alteration	3%	
9.00	10.10	1.10	258709	0.032	Sericitic alteration	6%	
10.10	11.00	0.90	258711	0.116	Silicified	4%	less bleached,
11.00	12.00	1.00	258713	0.173	Silicified	3%	
12.00	13.00	1.00	258714	0.265	Silicified	3%	
13.00	14.00	1.00	258715	0.103	Silicified	3%	
14.00	15.00	1.00	258716	0.076	Silicified	3%	
15.00	16.00	1.00	258717	0.085	Silicified	2%	
16.00	17.00	1.00	258718	0.209	Silicified	2%	intensely fracture
17.00	18.00	1.00	258719	0.104	Silicified	5%	
18.00	19.00	1.00	258720	0.229	Silicified	3%	
19.00	20.00	1.00	258721	0.421	Silicified	2%	
20.00	21.00	1.00	258722	0.122	Sericitic alteration	2%	
21.00	22.00	1.00	258723	0.347	Silicified	4%	
22.00	23.00	1.00	258725	0.153	Silicified	3%	
23.00	23.67	0.67	258726	0.134	Silicified	2%	
23.67	25.00	1.33	258727	0.165	Silicified	2%	
25.00	26.00	1.00	258728	0.913	Silicified	3%	
26.00	27.00	1.00	258729	0.105	Silicified	1%	
27.00	27.80	0.80	258731	0.062	Silicified	1%	
27.80	29.00	1.20	258732	0.090	Silicified	5%	
29.00	30.00	1.00	258733	0.101	Silicified	3%	
30.00	31.00	1.00	258734	0.068	Silicified	12%	

31.00	32.03	1.03	258735	0.128	Silicified	7%	
32.03	33.00	0.97	258737	0.036	Sericitic alteration	15%	12cm mafic dike
33.00	34.00	1.00	258738	0.067	Sericitic alteration	2%	
34.00	35.00	1.00	258739	0.119	Silicified	3%	
35.00	36.00	1.00	258740	0.122	Silicified	9%	
36.00	36.66	0.66	258741	5.720	Silicified	5%	
<b>From</b> <b>36.66</b>	<b>To</b> <b>38.89</b>		<b>Lithologic Group</b> <b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
36.66	38.00	1.34	258742	0.008	Chloritic alteration	9%	medium grained, weakly foliated, dark greenish grey, equigranular
38.00	38.89	0.89	258743	0.005	Chloritic alteration	3%	
<b>From</b> <b>38.89</b>	<b>To</b> <b>39.90</b>		<b>Lithologic Group</b> <b>Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
38.89	39.90	1.01	258744	0.011	Chloritic alteration	5%	30% tonalite frags and 70% matrix
<b>From</b> <b>39.90</b>	<b>To</b> <b>40.44</b>		<b>Lithologic Group</b> <b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
39.90	40.44	0.54	258745	0.005	Chloritic alteration	6%	
<b>From</b> <b>40.44</b>	<b>To</b> <b>42.47</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
40.44	41.00	0.56	258746	0.050	Silicified	5%	medium grained, light grey, equigranular, massive
41.00	41.91	0.91	258747	0.547	Sericitic alteration	5%	
41.91	42.47	0.56	258749	0.131	Sericitic alteration	4%	
<b>From</b> <b>42.47</b>	<b>To</b> <b>43.09</b>		<b>Lithologic Group</b> <b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
42.47	43.09	0.62	258751	0.006	Chloritic alteration	8%	fine grained, equigranular, massive, dark greenish grey
<b>From</b> <b>43.09</b>	<b>To</b> <b>43.58</b>		<b>Lithologic Group</b> <b>Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
43.09	43.58	0.49	258752	0.031	Chloritic alteration	2%	50% matrix and 50% tonalite frags, large and rounded frags, diffuse.
<b>From</b> <b>43.58</b>	<b>To</b> <b>45.00</b>		<b>Lithologic Group</b> <b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
43.58	45.00	1.42	258753	0.005	Chloritic alteration	5%	fine grained, equigranular, massive, dark greenish grey

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>45.00</b>	<b>45.65</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
45.00	45.65	0.65	258754	0.055	Chloritic alteration	6%	45% tonalite frag and 55% diorite matrix
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>45.65</b>	<b>47.58</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
45.65	47.00	1.35	258755	0.160	Sericitic alteration	5%	medium grained, heavily fractured, light grey, equigranular
47.00	47.58	0.58	258756	0.097	Sericitic alteration	5%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>47.58</b>	<b>53.23</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
47.58	49.00	1.42	258757	0.014	Chloritic alteration	6%	fine grained, equigranular, foliated, dark greenish
49.00	50.00	1.00	258758	0.005	Chloritic alteration	7%	
50.00	51.00	1.00	258759	0.005	Chloritic alteration	7%	
51.00	52.00	1.00	258761	0.005	Chloritic alteration	6%	
52.00	53.23	1.23	258762	0.008	Chloritic alteration	13%	5cm tonalite frag.
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>53.23</b>	<b>57.08</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
53.23	54.41	1.18	258763	0.151	Silicified	10%	light grey with greenish tinge, foliated, equigranular, medium grained.
54.41	55.00	0.59	258764	0.079	Silicified	5%	
55.00	55.85	0.85	258765	0.111	Sericitic alteration	1%	
55.85	57.08	1.23	258766	0.106	Sericitic alteration	12%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>57.08</b>	<b>58.00</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
57.08	58.00	0.92	258767	0.005	Chloritic alteration	3%	medium grained, dark grey, foliated, equigranular
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>58.00</b>	<b>87.12</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
58.00	59.09	1.09	258768	0.251	Silicified	20%	light grey, massive, equigranular, medium grained.
59.09	60.00	0.91	258769	0.079	Sericitic alteration	6%	
60.00	61.00	1.00	258771	0.019	Sericitic alteration	4%	10 cm mafic dyke brecciating tonalite.
61.00	62.00	1.00	258773	0.160	Sericitic alteration	3%	



62.00	63.00	1.00	258774	0.247	Silicified	2%
63.00	64.00	1.00	258775	0.332	Silicified	3%
64.00	65.00	1.00	258776	0.121	Sericitic alteration	7%
65.00	66.00	1.00	258777	0.365	Sericitic alteration	6%
66.00	67.00	1.00	258778	0.148	Sericitic alteration	6%
67.00	68.00	1.00	258779	0.168	Sericitic alteration	4%
68.00	69.00	1.00	258780	0.185	Sericitic alteration	4%
69.00	70.00	1.00	258781	0.249	Silicified	6%
70.00	71.00	1.00	258782	0.091	Sericitic alteration	4%
71.00	72.00	1.00	258783	0.078	Sericitic alteration	3%
72.00	73.00	1.00	258785	0.356	Sericitic alteration	3%
73.00	74.04	1.04	258786	0.225	Sericitic alteration	3%
74.04	75.00	0.96	258787	0.142	Sericitic alteration	4%
75.00	76.00	1.00	258788	0.769	Sericitic alteration	5%
76.00	77.05	1.05	258789	0.310	Sericitic alteration	3%
77.05	78.00	0.95	258791	0.261	Sericitic alteration	3%
78.00	79.00	1.00	258792	0.054	Sericitic alteration	4%
79.00	80.00	1.00	258793	0.186	Sericitic alteration	4%
80.00	81.00	1.00	258794	0.425	Sericitic alteration	5%
81.00	82.00	1.00	258795	0.231	Sericitic alteration	2%
82.00	83.03	1.03	258797	0.331	Sericitic alteration	5%
83.03	84.00	0.97	258798	0.021	Sericitic alteration	4%
84.00	85.00	1.00	258799	0.026	Sericitic alteration	4%
85.00	86.00	1.00	258800	0.025	Sericitic alteration	4%
86.00	87.12	1.12	258801	0.094	Sericitic alteration	5%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>87.12</b>	<b>88.54</b>	<b>Diorite Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
87.12	88.54	1.42	258802	0.056	Sericitic alteration	4%	20% diorite matrix and 80% tonalite

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>88.54</b>	<b>90.19</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
88.54	89.19	0.65	258803	0.013	Silicified	4%	medium grained, light grey, equigranular, moderately fractured
89.19	90.19	1.00	258804	0.036	Silicified	4%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>90.19</b>	<b>95.70</b>	<b>Diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
90.19	91.00	0.81	258805	0.009	Chloritic alteration	2%	medium grained, weakly foliated, dark greenish grey, equigranular

91.00	92.00	1.00	258806	0.008	Chloritic alteration	2%	
92.00	93.00	1.00	258807	0.008	Chloritic alteration	2%	
93.00	94.00	1.00	258808	0.020	Chloritic alteration	1%	
94.00	95.00	1.00	258809	0.017	Chloritic alteration	2%	
95.00	95.70	0.70	258811	0.010	Chloritic alteration	3%	strongly foliated near end of sample (contact)

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>95.70</b>	<b>101.62</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
95.70	97.00	1.30	258813	0.030	Sericitic alteration	4%	medium grained, massive, light grey, equigranular
97.00	98.00	1.00	258814	0.492	Sericitic alteration	3%	
98.00	99.00	1.00	258815	0.053	Sericitic alteration	5%	
99.00	100.00	1.00	258816	0.044	Sericitic alteration	5%	
100.00	101.00	1.00	258817	0.028	Sericitic alteration	3%	
101.00	101.62	0.62	258818	0.173	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>101.62</b>	<b>105.90</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
101.62	103.00	1.38	258819	0.048	Chloritic alteration	7%	medium grained, dark greenish grey, weakly foliated, equigranular
103.00	104.00	1.00	258820	0.005	Chloritic alteration	2%	
104.00	105.00	1.00	258821	0.007	Chloritic alteration	2%	
105.00	105.90	0.90	258822	0.005	Chloritic alteration	3%	strongly foliated

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>105.90</b>	<b>132.91</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
105.90	107.00	1.10	258823	0.296	Silicified	4%	medium grained, massive, light grey, equigranular
107.00	108.00	1.00	258825	0.039	Chloritic alteration	2%	
108.00	109.04	1.04	258826	0.079	Silicified	4%	
109.04	110.00	0.96	258827	0.061	Chloritic alteration	2%	
110.00	111.00	1.00	258828	0.369	Chloritic alteration	2%	
111.00	112.00	1.00	258829	0.023	Sericitic alteration	2%	
112.00	113.00	1.00	258831	0.019	Sericitic alteration	3%	
113.00	114.00	1.00	258832	0.009	Silicified	2%	
114.00	115.00	1.00	258833	0.134	Sericitic alteration	4%	
115.00	116.00	1.00	258834	0.164	Sericitic alteration	2%	
116.00	117.00	1.00	258835	0.019	Sericitic alteration	1%	
117.00	118.00	1.00	258837	0.017	Sericitic alteration	1%	
118.00	119.00	1.00	258838	0.298	Chloritic alteration	4%	
119.00	119.62	0.62	258839	0.134	Sericitic alteration	4%	
119.62	120.47	0.85	258840	0.005	Sericitic alteration	1%	

120.47	121.00	0.53	258841	0.103	Sericitic alteration	1%
121.00	121.60	0.60	258842	0.442	Sericitic alteration	2%
121.60	123.00	1.40	258843	0.338	Sericitic alteration	2%
123.00	124.00	1.00	258844	0.030	Sericitic alteration	2%
124.00	124.55	0.55	258845	0.072	Sericitic alteration	3%
124.55	125.53	0.98	258846	0.016	Chloritic alteration	2%
125.53	127.00	1.47	258847	0.406	Sericitic alteration	4%
127.00	128.00	1.00	258849	0.197	Sericitic alteration	3%
128.00	129.12	1.12	258851	0.034	Sericitic alteration	3%
129.12	130.00	0.88	258852	0.026	Silicified	1%
130.00	131.00	1.00	258853	0.055	Sericitic alteration	3%
131.00	132.00	1.00	258854	0.055	Silicified	4%
132.00	132.91	0.91	258855	0.045	Silicified	4%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>132.91</b>	<b>133.80</b>	<b>Diorite Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
132.91	133.80	0.89	258856	2.378	Chloritic alteration	4%	50% diorite and 50% tonalite

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>133.80</b>	<b>134.54</b>	<b>Diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
133.80	134.54	0.74	258857	0.151	Chloritic alteration	2%	fine grained, dark grey, massive, equigranular

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>134.54</b>	<b>139.49</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
134.54	135.07	0.53	258858	0.034	Sericitic alteration	3%	medium grained, light grey, equigranular, massive
135.07	136.00	0.93	258859	0.048	Sericitic alteration	3%	
136.00	137.00	1.00	258861	0.028	Sericitic alteration	2%	
137.00	138.00	1.00	258862	0.015	Sericitic alteration	2%	
138.00	139.49	1.49	258863	0.352	Sericitic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>139.49</b>	<b>140.68</b>	<b>Quartz diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
139.49	140.68	1.19	258864	0.401	Biotitic alteration	2%	medium grained, inequigranular, massive, dark grey

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>140.68</b>	<b>144.73</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
140.68	142.00	1.32	258865	0.140	Sericitic alteration	5%	medium grained, light grey, equigranular, massive
142.00	143.00	1.00	258866	0.017	Sericitic alteration	2%	

143.00	144.00	1.00	258867	0.125	Sericitic alteration	3%	
144.00	144.73	0.73	258868	0.070	Sericitic alteration	4%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>144.73</b>	<b>145.31</b>	<b>Quartz diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
144.73	145.31	0.58	258869	0.090	Chloritic alteration	4%	medium grained, dark grey, inequigranular, massive
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>145.31</b>	<b>146.67</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
145.31	146.00	0.69	258871	0.028	Silicified	20%	medium grained, light grey, equigranular, heavily fractured.
146.00	146.67	0.67	258873	0.188	Sericitic alteration	4%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>146.67</b>	<b>147.36</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
146.67	147.36	0.69	258874	0.248	Chloritic alteration	3%	fine grained, dark grey, equigranular, massive
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>147.36</b>	<b>148.11</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
147.36	148.11	0.75	258875	0.025	Sericitic alteration	4%	medium grained, equigranular, moderately fractured, light grey
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>148.11</b>	<b>151.00</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
148.11	149.00	0.89	258876	0.014	Chloritic alteration	2%	fine grained, inequigranular, massive, dark grey
149.00	150.00	1.00	258877	0.014	Chloritic alteration	2%	
150.00	151.00	1.00	258878	0.005	Chloritic alteration	4%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>151.00</b>	<b>152.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
151.00	152.00	1.00	258879	0.018	Chloritic alteration	6%	one 15 cm tonalite frag in Dr.
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>152.00</b>	<b>153.00</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
152.00	153.00	1.00	258880	0.321	Chloritic alteration	1%	medium grained, inequigranular, dark grey, massive
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>153.00</b>	<b>157.62</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments

153.00	154.00	1.00	258881	0.155	Sericitic alteration	2%	medium grained, light grey, massive, equigranular
154.00	155.00	1.00	258882	0.077	Sericitic alteration	4%	
155.00	156.00	1.00	258883	0.588	Sericitic alteration	7%	
156.00	157.00	1.00	258885	0.685	Sericitic alteration	5%	
157.00	157.62	0.62	258886	0.671	Sericitic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>157.62</b>	<b>159.00</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
157.62	159.00	1.38	258887	0.049	Chloritic alteration	4%	25% tonalite frags and 75% Dr matrix, foliated matrix
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>159.00</b>	<b>159.91</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
159.00	159.91	0.91	258888	0.035	Chloritic alteration	3%	medium grained, foliated, dark greenish grey.
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>159.91</b>	<b>160.63</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
159.91	160.63	0.72	258889	0.066	Chloritic alteration	3%	35% tonalite and 65% Dr matrix.
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>160.63</b>	<b>243.64</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
160.63	162.00	1.37	258891	0.005	Chloritic alteration	1%	medium grained, dark greenish grey, massive equigranular
162.00	163.00	1.00	258892	0.054	Chloritic alteration	2%	
163.00	164.11	1.11	258893	0.839	Chloritic alteration	9%	
164.11	165.00	0.89	258894	0.067	Chloritic alteration	2%	
165.00	166.00	1.00	258895	0.042	Chloritic alteration	1%	
166.00	167.00	1.00	258897	0.042	Chloritic alteration	1%	
167.00	168.00	1.00	258898	0.005	Chloritic alteration	2%	
168.00	169.00	1.00	258899	0.030	Chloritic alteration	1%	
169.00	169.92	0.92	258900	0.028	Chloritic alteration	1%	
169.92	171.00	1.08	258901	0.005	Chloritic alteration	4%	
171.00	172.20	1.20	258902	0.035	Chloritic alteration	4%	
172.20	173.00	0.80	258903	0.008	Chloritic alteration	1%	
173.00	174.00	1.00	258904	0.016	Chloritic alteration	2%	
174.00	175.00	1.00	258905	0.009	Chloritic alteration	2%	
175.00	176.00	1.00	258906	0.011	Chloritic alteration	1%	
176.00	177.00	1.00	258907	0.013	Chloritic alteration	1%	
177.00	178.00	1.00	258908	0.005	Chloritic alteration	1%	
178.00	179.00	1.00	258909	1.473	Chloritic alteration	5%	

179.00	180.00	1.00	258911	0.025	Chloritic alteration	7%	
180.00	181.00	1.00	258913	0.011	Chloritic alteration	3%	
181.00	182.00	1.00	258914	0.040	Chloritic alteration	4%	
182.00	182.93	0.93	258915	0.036	Chloritic alteration	1%	
182.93	184.00	1.07	258916	0.165	Chloritic alteration	2%	coarse grained
184.00	184.62	0.62	258917	0.061	Chloritic alteration	1%	
184.62	186.00	1.38	258918	0.006	Chloritic alteration	3%	medium grained
186.00	187.00	1.00	258919	0.012	Chloritic alteration	1%	
187.00	188.04	1.04	258920	0.022	Chloritic alteration	2%	
188.04	189.00	0.96	258921	0.006	Chloritic alteration	1%	
189.00	190.00	1.00	258922	0.008	Chloritic alteration	2%	
190.00	190.83	0.83	258923	0.006	Chloritic alteration	1%	
190.83	192.00	1.17	258925	0.034	Chloritic alteration	5%	
192.00	193.00	1.00	258926	0.015	Chloritic alteration	1%	
193.00	194.00	1.00	258927	0.011	Chloritic alteration	3%	
194.00	195.00	1.00	258928	0.026	Chloritic alteration	2%	
195.00	196.00	1.00	258929	0.032	Chloritic alteration	15%	
196.00	197.00	1.00	258931	0.009	Chloritic alteration	17%	
197.00	197.88	0.88	258932	0.016	Chloritic alteration	4%	
197.88	199.00	1.12	258933	0.008	Chloritic alteration	10%	
199.00	200.00	1.00	258934	0.009	Chloritic alteration	1%	
200.00	201.00	1.00	258935	0.016	Chloritic alteration	1%	
201.00	202.00	1.00	258937	0.007	Chloritic alteration	1%	
202.00	202.96	0.96	258938	0.008	Chloritic alteration	4%	
202.96	204.00	1.04	258939	0.010	Chloritic alteration	1%	
204.00	205.00	1.00	258940	0.026	Chloritic alteration	1%	
205.00	206.00	1.00	258941	0.008	Chloritic alteration	1%	
206.00	207.00	1.00	258942	0.022	Chloritic alteration	1%	
207.00	208.00	1.00	258943	0.018	Chloritic alteration	1%	
208.00	209.00	1.00	258944	0.026	Chloritic alteration	2%	
209.00	210.00	1.00	258945	0.015	Chloritic alteration	1%	
210.00	211.00	1.00	258946	0.018	Chloritic alteration	1%	
211.00	211.81	0.81	258947	0.011	Chloritic alteration	1%	
211.81	212.32	0.51	258949	0.007	Chloritic alteration	0%	
212.32	213.00	0.68	258951	0.028	Chloritic alteration	2%	
213.00	214.00	1.00	258952	0.009	Chloritic alteration	1%	
214.00	215.00	1.00	258953	0.146	Chloritic alteration	2%	
215.00	216.00	1.00	258954	0.024	Chloritic alteration	4%	
216.00	217.00	1.00	258955	0.008	Chloritic alteration	2%	
217.00	218.00	1.00	258956	0.041	Chloritic alteration	2%	
218.00	219.00	1.00	258957	0.036	Chloritic alteration	3%	
219.00	220.00	1.00	258958	0.024	Chloritic alteration	1%	

220.00	221.00	1.00	258959	1.172	Chloritic alteration	3%
221.00	222.00	1.00	258961	0.192	Chloritic alteration	1%
222.00	223.00	1.00	258962	0.031	Chloritic alteration	1%
223.00	224.00	1.00	258963	0.113	Chloritic alteration	50%
224.00	225.00	1.00	258964	0.232	Chloritic alteration	3%
225.00	226.00	1.00	258965	0.510	Chloritic alteration	1%
226.00	227.00	1.00	258966	0.170	Chloritic alteration	6%
227.00	228.00	1.00	258967	0.251	Chloritic alteration	4%
228.00	229.00	1.00	258968	0.278	Chloritic alteration	2%
229.00	230.00	1.00	258969	0.414	Chloritic alteration	1%
230.00	231.00	1.00	258971	0.119	Chloritic alteration	0%
231.00	231.63	0.63	258973	0.858	Chloritic alteration	1%
231.63	233.00	1.37	258974	0.124	Chloritic alteration	1%
233.00	234.00	1.00	258975	0.075	Chloritic alteration	5%
234.00	235.00	1.00	258976	0.005	Chloritic alteration	4%
235.00	236.00	1.00	258977	0.044	Chloritic alteration	10%
236.00	236.83	0.83	258978	0.020	Chloritic alteration	12%
236.83	238.00	1.17	258979	0.029	Chloritic alteration	15%
238.00	239.00	1.00	258980	0.007	Chloritic alteration	4%
239.00	240.00	1.00	258981	0.012	Chloritic alteration	2%
240.00	241.00	1.00	258982	0.050	Chloritic alteration	1%
241.00	242.00	1.00	258983	0.051	Chloritic alteration	1%
242.00	243.00	1.00	258985	0.055	Chloritic alteration	1%
243.00	243.64	0.64	258986	0.041	Chloritic alteration	2%

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>243.64</b>	<b>247.00</b>	<b>Tonalite Breccia</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
243.64	244.97	1.33	258987	0.021	Chloritic alteration	2%	30% sub-angular dr frags, 70% tonalite
244.97	246.00	1.03	258988	0.019	Sericitic alteration	1%	15% sub-angular dr frags, 85% tonalite
246.00	247.00	1.00	258989	0.066	Sericitic alteration	2%	5% dr frags and 95% tonalite

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>247.00</b>	<b>249.38</b>	<b>Tonalite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
247.00	248.00	1.00	258991	0.166	Sericitic alteration	2%	medium grained, light grey, massive, equigranular
248.00	248.69	0.69	258992	0.030	Sericitic alteration	3%	
248.69	249.38	0.69	258993	0.026	Sericitic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>				
<b>249.38</b>	<b>249.98</b>	<b>Diorite</b>				

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
249.38	249.98	0.60	258994	0.005	Chloritic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>249.98</b>	<b>254.55</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
249.98	251.00	1.02	258995	0.165	Sericitic alteration	3%	
251.00	252.00	1.00	258997	0.189	Sericitic alteration	2%	
252.00	253.00	1.00	258998	0.129	Sericitic alteration	3%	
253.00	254.00	1.00	258999	0.449	Sericitic alteration	4%	
254.00	254.55	0.55	259000	0.395	Sericitic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>254.55</b>	<b>264.00</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
254.55	256.00	1.45	259802	0.023	Chloritic alteration	1%	medium grained, inequigranular, massive, dark grey
256.00	257.00	1.00	259803	0.068	Chloritic alteration	3%	
257.00	258.00	1.00	259804	0.014	Chloritic alteration	5%	foliated
258.00	259.00	1.00	259805	0.005	Chloritic alteration	2%	massive
259.00	260.00	1.00	259806	0.008	Chloritic alteration	2%	
260.00	261.00	1.00	259807	0.042	Chloritic alteration	1%	
261.00	262.00	1.00	259808	0.050	Chloritic alteration	2%	
262.00	263.00	1.00	259809	0.005	Chloritic alteration	2%	
263.00	264.00	1.00	259811	0.005	Chloritic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>264.00</b>	<b>266.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
264.00	265.00	1.00	259813	0.042	Silicified	10%	light pinkish grey
265.00	266.00	1.00	259814	0.055	Sericitic alteration	17%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>266.00</b>	<b>268.94</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
266.00	267.00	1.00	259815	0.005	Biotitic alteration	2%	medium grained, massive, dark grey
267.00	268.00	1.00	259816	0.005	Biotitic alteration	1%	
268.00	268.94	0.94	259817	0.015	Chloritic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>268.94</b>	<b>292.65</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
268.94	270.00	1.06	259818	0.057	Sericitic alteration	3%	medium grained, light grey, massive, equigranular
270.00	271.00	1.00	259819	0.049	Sericitic alteration	4%	
271.00	272.00	1.00	259820	0.142	Sericitic alteration	2%	
272.00	273.00	1.00	259821	0.269	Sericitic alteration	3%	
273.00	274.00	1.00	259822	0.181	Sericitic alteration	3%	



274.00	275.00	1.00	259823	0.019	Sericitic alteration	1%	
275.00	276.00	1.00	259825	0.061	Sericitic alteration	1%	
276.00	277.00	1.00	259826	0.097	Sericitic alteration	1%	
277.00	277.66	0.66	259827	0.148	Sericitic alteration	2%	
277.66	278.28	0.62	259828	0.012	Sericitic alteration	3%	
278.28	279.22	0.94	259829	0.019	Sericitic alteration	35%	mafic 25cm mafic dyke,
279.22	280.00	0.78	259831	0.212	Sericitic alteration	4%	
280.00	281.00	1.00	259832	0.133	Sericitic alteration	5%	
281.00	282.00	1.00	259833	0.021	Sericitic alteration	2%	
282.00	283.00	1.00	259834	0.015	Sericitic alteration	4%	
283.00	284.00	1.00	259835	0.006	Sericitic alteration	5%	
284.00	285.00	1.00	259837	0.030	Sericitic alteration	4%	
285.00	286.00	1.00	259838	0.026	Sericitic alteration	4%	
286.00	287.00	1.00	259839	0.035	Sericitic alteration	4%	
287.00	288.00	1.00	259840	0.019	Sericitic alteration	5%	
288.00	289.00	1.00	259841	0.005	Sericitic alteration	5%	
289.00	289.74	0.74	259842	0.009	Sericitic alteration	5%	
289.74	291.00	1.26	259843	0.005	Sericitic alteration	3%	
291.00	292.00	1.00	259844	0.005	Sericitic alteration	3%	
292.00	292.65	0.65	259845	0.026	Sericitic alteration	2%	

From	To	Lithologic Group	
292.65	293.65	Diorite	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
292.65	293.65	1.00	259846	0.005	Chloritic alteration	5%	one tonalite fragment with alteration rim around perimeter, dark greenish grey, foliated, fine grained, equigranular

From	To	Lithologic Group	
293.65	294.25	Tonalite	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
293.65	294.25	0.60	259847	0.031	Sericitic alteration	2%	medium grained, massive, light grey, equigranular

From	To	Lithologic Group	
294.25	294.80	Diorite	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
294.25	294.80	0.55	259849	2.032	Biotitic alteration	1%	fine grained, inequigranular, massive, dark grey.

From	To	Lithologic Group	
294.80	303.00	Tonalite	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
294.80	295.73	0.93	259851	0.044	Sericitic alteration	5%	medium grained, light pinkish grey, massive, equigranular
295.73	297.00	1.27	259852	0.068	Sericitic alteration	4%	

297.00	298.00	1.00	259853	0.066	Sericitic alteration	6%	
298.00	299.15	1.15	259854	0.030	Sericitic alteration	4%	
299.15	300.00	0.85	259855	0.045	Sericitic alteration	3%	
300.00	300.51	0.51	259856	0.057	Sericitic alteration	3%	
300.51	301.20	0.69	259857	0.016	Sericitic alteration	10%	
301.20	302.00	0.80	259858	0.014	Sericitic alteration	3%	
302.00	303.00	1.00	259859	0.016	Sericitic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>303.00</b>	<b>306.50</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
303.00	304.00	1.00	259861	0.006	Chloritic alteration	1%	medium grained, equigranular, dark grey, massive
304.00	305.00	1.00	259862	0.005	Chloritic alteration	3%	
305.00	306.50	1.50	259863	0.006	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>306.50</b>	<b>308.00</b>	<b>Diorite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
306.50	308.00	1.50	259864	0.030	Chloritic alteration	4%	20% tonalite frag and 80% Dr matrix

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>308.00</b>	<b>309.98</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
308.00	309.00	1.00	259865	0.014	Chloritic alteration	6%	medium grained, equigranular, dark greenish grey, massive
309.00	309.98	0.98	259866	0.013	Chloritic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>309.98</b>	<b>317.76</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
309.98	311.00	1.02	259867	0.061	Sericitic alteration	5%	medium grained, light pinkish grey, massive, equigranular
311.00	312.00	1.00	259868	0.150	Sericitic alteration	9%	
312.00	313.00	1.00	259869	0.123	Sericitic alteration	12%	
313.00	314.00	1.00	259871	0.177	Sericitic alteration	6%	
314.00	314.77	0.77	259873	0.025	Sericitic alteration	20%	
314.77	316.00	1.23	259874	0.017	Sericitic alteration	10%	
316.00	317.00	1.00	259875	0.024	Sericitic alteration	1%	
317.00	317.76	0.76	259876	0.148	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>317.76</b>	<b>318.89</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
317.76	318.89	1.13	259877	0.010	Chloritic alteration	55%	fine grained, massive, dark greenish grey, equigranular

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>318.89</b>	<b>320.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
318.89	320.00	1.11	259878	0.047	Sericitic alteration	2%	medium grained, massive, light grey, equigranular
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>320.00</b>	<b>320.92</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
320.00	320.92	0.92	259879	0.012	Biotitic alteration	3%	30% tonalite frags and 70% Dr matrix
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>320.92</b>	<b>323.25</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
320.92	322.00	1.08	259880	0.045	Chloritic alteration	6%	foliated, equigranular, dark greenish grey
322.00	323.25	1.25	259881	0.064	Chloritic alteration	3%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>323.25</b>	<b>365.60</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
323.25	324.00	0.75	259882	0.076	Sericitic alteration	1%	medium grained, massive, light grey, equigranular
324.00	324.66	0.66	259883	0.029	Sericitic alteration	1%	
324.66	326.00	1.34	259885	0.014	Sericitic alteration	17%	
326.00	327.00	1.00	259886	0.039	Sericitic alteration	6%	
327.00	328.00	1.00	259887	0.038	Sericitic alteration	2%	
328.00	329.00	1.00	259888	0.058	Sericitic alteration	3%	
329.00	330.00	1.00	259889	0.052	Sericitic alteration	2%	
330.00	331.00	1.00	259891	0.074	Sericitic alteration	2%	
331.00	332.00	1.00	259892	0.031	Sericitic alteration	3%	
332.00	333.00	1.00	259893	0.019	Sericitic alteration	2%	
333.00	334.00	1.00	259894	0.015	Sericitic alteration	1%	
334.00	335.00	1.00	259895	0.019	Sericitic alteration	2%	
335.00	336.00	1.00	259897	0.044	Sericitic alteration	11%	CB logging here til EOH
336.00	337.00	1.00	259898	0.025	Sericitic alteration	1%	
337.00	338.00	1.00	259899	0.050	Sericitic alteration	2%	
338.00	339.00	1.00	259900	0.154	Sericitic alteration	7%	brecciated brecciated
339.00	340.00	1.00	259901	0.005	Sericitic alteration	1%	brecciated
340.00	341.05	1.05	259902	0.015	Sericitic alteration	3%	brecciated
341.05	342.00	0.95	259903	0.157	Sericitic alteration	3%	brecciated
342.00	343.00	1.00	259904	0.145	Sericitic alteration	1%	
343.00	344.00	1.00	259905	0.237	Sericitic alteration	1%	
344.00	345.00	1.00	259906	0.080	Sericitic alteration	1%	

345.00	346.00	1.00	259907	0.059	Sericitic alteration	3%	
346.00	347.00	1.00	259908	0.005	Sericitic alteration	1%	brecciated
347.00	348.00	1.00	259909	0.028	Sericitic alteration	1%	brecciated
348.00	349.00	1.00	259911	0.057	Sericitic alteration	2%	brecciated
349.00	350.15	1.15	259913	0.100	Sericitic alteration	3%	20% mafic dyke; brecciated
350.15	351.00	0.85	259914	0.022	Sericitic alteration	1%	brecciated
351.00	352.00	1.00	259915	0.164	Sericitic alteration	3%	brecciated
352.00	353.05	1.05	259916	0.113	Sericitic alteration	4%	
353.05	354.00	0.95	259917	0.196	Sericitic alteration	1%	
354.00	355.00	1.00	259918	0.119	Sericitic alteration	14%	
355.00	356.00	1.00	259919	0.038	Sericitic alteration	3%	
356.00	357.00	1.00	259920	0.031	Sericitic alteration	1%	
357.00	358.00	1.00	259921	0.026	Sericitic alteration	1%	
358.00	359.00	1.00	259922	0.054	Sericitic alteration	2%	
359.00	360.00	1.00	259923	0.005	Sericitic alteration	1%	
360.00	361.00	1.00	259925	0.121	Sericitic alteration	2%	
361.00	362.00	1.00	259926	0.005	Sericitic alteration	1%	
362.00	363.00	1.00	259927	0.017	Sericitic alteration	2%	
363.00	364.00	1.00	259928	0.005	Sericitic alteration	3%	
364.00	365.00	1.00	259929	0.005	Sericitic alteration	2%	
365.00	365.60	0.60	259931	0.006	Sericitic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>365.60</b>	<b>367.45</b>	<b>Mafic Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
365.60	366.40	0.80	259932	0.007	Chloritic alteration	3%	
366.40	367.45	1.05	259933	0.007	Chloritic alteration	8%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>367.45</b>	<b>386.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
367.45	368.85	1.40	259934	0.005	Hematitic alteration	5%	broken core
368.85	370.00	1.15	259935	0.009	Hematitic alteration	4%	25% mafic dyke
370.00	371.00	1.00	259937	0.005	Silicified	4%	
371.00	372.00	1.00	259938	0.147	Silicified	2%	
372.00	373.00	1.00	259939	0.005	Silicified	3%	10% mafic dyke
373.00	374.00	1.00	259940	0.005	Sericitic alteration	5%	
374.00	375.00	1.00	259941	0.005	Sericitic alteration	1%	
375.00	376.00	1.00	259942	0.081	Sericitic alteration	1%	
376.00	377.00	1.00	259943	0.105	Sericitic alteration	2%	
377.00	378.00	1.00	259944	0.052	Sericitic alteration	2%	
378.00	379.00	1.00	259945	0.061	Sericitic alteration	8%	
379.00	380.00	1.00	259946	0.027	Sericitic alteration	1%	
380.00	381.00	1.00	259947	0.085	Sericitic alteration	3%	

381.00	382.00	1.00	259949	0.169	Sericitic alteration	3%	
382.00	383.00	1.00	259951	0.021	Sericitic alteration	2%	
383.00	384.00	1.00	259952	0.045	Sericitic alteration	4%	
384.00	385.00	1.00	259953	0.005	Silicified	1%	
385.00	386.00	1.00	259954	0.005	Silicified	6%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>386.00</b>	<b>387.60</b>	<b>Mafic Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
386.00	387.00	1.00	259955	0.015	Chloritic alteration	6%	45% Ton
387.00	387.60	0.60	259956	0.005	Chloritic alteration	5%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>387.60</b>	<b>389.25</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
387.60	388.55	0.95	259957	0.072	Silicified	2%	35% mafic dyke
388.55	389.25	0.70	259958	0.065	Silicified	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>389.25</b>	<b>394.15</b>	<b>Mafic Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
389.25	390.00	0.75	259959	0.026	Chloritic alteration	5%	
390.00	391.00	1.00	259961	0.023	Chloritic alteration	3%	
391.00	392.00	1.00	259962	0.012	Chloritic alteration	1%	
392.00	393.00	1.00	259963	0.011	Chloritic alteration	1%	
393.00	394.15	1.15	259964	0.005	Chloritic alteration	7%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>394.15</b>	<b>398.15</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
394.15	395.00	0.85	259965	0.233	Silicified	4%	
395.00	396.00	1.00	259966	0.016	Silicified	1%	
396.00	397.00	1.00	259967	0.012	Silicified	1%	
397.00	398.15	1.15	259968	0.022	Silicified	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>398.15</b>	<b>402.60</b>	<b>Mafic Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
398.15	399.00	0.85	259969	0.005	Chloritic alteration	3%	
399.00	400.00	1.00	259971	0.005	Chloritic alteration	0%	
400.00	401.00	1.00	259973	0.006	Chloritic alteration	1%	
401.00	402.00	1.00	259974	0.005	Chloritic alteration	3%	
402.00	402.60	0.60	259975	0.009	Chloritic alteration	3%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>402.60</b>	<b>427.50</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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402.60	404.00	1.40	259976	0.012	Silicified	3%	
404.00	405.00	1.00	259977	0.072	Silicified	1%	
405.00	406.00	1.00	259978	0.020	Sericitic alteration	1%	
406.00	407.00	1.00	259979	0.009	Sericitic alteration	2%	
407.00	408.00	1.00	259980	0.073	Sericitic alteration	3%	
408.00	409.00	1.00	259981	0.050	Silicified	2%	20% mafic dyke
409.00	410.00	1.00	259982	0.009	Silicified	1%	
410.00	411.00	1.00	259983	0.005	Silicified	0%	
411.00	412.00	1.00	259985	0.083	Silicified	1%	
412.00	413.00	1.00	259986	0.101	Sericitic alteration	2%	
413.00	414.00	1.00	259987	0.020	Sericitic alteration	1%	
414.00	415.00	1.00	259988	0.147	Sericitic alteration	2%	
415.00	416.00	1.00	259989	0.046	Silicified	4%	
416.00	417.00	1.00	259991	0.118	Silicified	1%	
417.00	417.70	0.70	259992	0.193	Silicified	1%	
417.70	419.00	1.30	259993	0.034	Sericitic alteration	4%	
419.00	420.00	1.00	259994	0.024	Sericitic alteration	1%	
420.00	421.00	1.00	259995	0.057	Sericitic alteration	1%	
421.00	422.00	1.00	259997	0.062	Sericitic alteration	1%	
422.00	423.00	1.00	259998	0.607	Sericitic alteration	2%	
423.00	424.00	1.00	259999	1.147	Sericitic alteration	2%	
424.00	425.00	1.00	260000	0.036	Sericitic alteration	2%	
425.00	426.00	1.00	258488	0.069	Sericitic alteration	5%	
426.00	427.50	1.50	258489	0.072	Sericitic alteration	1%	EOH

# DRILL HOLE REPORT

Drill Hole **GOS20-60** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 330.0  
 Dip -60.0  
 Length 424.4 m  
 Started 16-Nov-20  
 Completed 22-Nov-20  
 Logged 02-Dec-20  
 Logged by Caitlin Beland

Company  
 Contractor Chenier Drilling  
 Position  
 Bore Size BQTK  
 Sample Storage Klondike Lodge  
 Casing STEEL  
 Condition Capped

Survey Details:

Claim Number PAT-11117  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool DGPS

Coordinates:

Target Easting 430609.05  
 Comments UTM Datum NAD83 Northing 5267263.13  
 UTM Zone 17 Elevation 396.79

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
8.0	330.64	-60.01				50.0	330.68	-59.57			
11.0	330.59	-60.04				56.0	331.16	-59.57			
14.0	330.49	-59.93				59.0	331.14	-59.51			
17.0	330.53	-59.93				62.0	330.96	-59.40			
23.0	330.51	-60.01				65.0	331.03	-59.35			
29.0	330.74	-59.80				68.0	331.10	-59.39			
35.0	330.70	-59.77				74.0	331.33	-59.35			
41.0	330.90	-59.77				77.0	330.78	-59.27			
44.0	331.05	-59.65				80.0	331.79	-59.28			
47.0	330.94	-59.71				83.0	331.66	-59.20			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
86.0	331.88	-59.22			
89.0	331.98	-59.24			
92.0	331.95	-59.23			
98.0	332.15	-59.16			
101.0	332.18	-59.51			
104.0	332.33	-59.13			
107.0	332.17	-59.13			
110.0	332.66	-58.99			
116.0	332.85	-58.90			
119.0	332.64	-58.81			
122.0	332.50	-58.81			
125.0	332.63	-58.77			
128.0	332.95	-58.69			
131.0	332.87	-58.67			
134.0	332.98	-58.70			
137.0	332.68	-58.68			
140.0	332.33	-58.65			
143.0	332.94	-58.65			
146.0	333.22	-58.68			
149.0	333.22	-58.56			
150.0	333.00	-58.51			
152.0	333.32	-58.55			
155.0	333.44	-58.53			
158.0	333.41	-58.55			
161.0	333.66	-58.60			
164.0	333.81	-58.53			
167.0	333.75	-58.56			
170.0	333.92	-58.56			
173.0	333.97	-58.49			
176.0	334.05	-58.55			
179.0	334.12	-58.56			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
182.0	334.32	-58.56			
185.0	334.11	-58.60			
188.0	333.76	-58.55			
191.0	334.05	-58.78			
194.0	333.77	-58.50			
197.0	333.35	-58.60			
200.0	332.59	-58.50			
203.0	331.81	-58.54			
206.0	332.35	-58.58			
209.0	333.38	-58.54			
212.0	333.75	-58.56			
215.0	334.18	-58.54			
221.0	334.58	-58.56			
224.0	334.40	-58.94			
227.0	334.74	-58.57			
230.0	334.94	-58.45			
233.0	335.02	-58.54			
236.0	335.16	-58.51			
242.0	335.24	-58.48			
248.0	335.29	-58.43			
250.0	335.06	-58.37			
251.0	335.20	-58.41			
257.0	335.52	-58.37			
260.0	335.54	-58.37			
263.0	335.48	-58.35			
266.0	335.56	-58.34			
269.0	335.74	-58.25			
272.0	335.66	-58.32			
275.0	335.88	-58.37			
278.0	335.84	-58.34			
281.0	335.93	-58.36			



Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
284.0	335.92	-58.28			
287.0	336.14	-58.38			
290.0	336.18	-58.55			
293.0	336.24	-58.39			
296.0	336.42	-58.30			
299.0	336.40	-58.26			
300.0	336.30	-58.13			
302.0	336.61	-58.15			
305.0	336.61	-58.09			
311.0	336.54	-57.92			
314.0	336.38	-57.82			
317.0	336.13	-57.78			
320.0	336.15	-57.67			
323.0	336.09	-57.55			
326.0	336.29	-57.45			
329.0	336.52	-57.47			
332.0	335.84	-57.48			
335.0	336.33	-57.46			
338.0	336.67	-57.44			
341.0	336.50	-57.41			
344.0	336.64	-57.39			
347.0	336.80	-57.34			
350.0	336.89	-57.28			
353.0	336.64	-57.28			
356.0	336.93	-57.26			
359.0	337.62	-57.27			
362.0	337.45	-57.21			
365.0	337.30	-57.18			
368.0	337.79	-57.14			
371.0	337.49	-57.16			
374.0	337.78	-57.13			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
377.0	337.96	-57.11			
380.0	338.17	-57.10			
383.0	338.22	-57.09			
386.0	339.73	-57.04			
389.0	338.23	-57.05			
392.0	338.31	-57.03			
395.0	338.46	-56.90			
398.0	338.63	-56.88			
400.5	338.80	-56.94			
401.0	338.86	-56.87			
404.0	339.07	-56.80			
407.0	338.76	-56.79			
410.0	339.17	-56.78			
413.0	338.25	-56.78			
416.0	339.23	-56.76			
419.0	338.01	-56.75			
422.0	338.76	-56.77			

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>0.00</b>	<b>1.60</b>	<b>Overburden</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	1.60	1.60			Unaltered		

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>1.60</b>	<b>89.90</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
1.60	3.00	1.40	258491	0.079	Sericitic alteration	3%	
3.00	4.00	1.00	258492	0.079	Silicified	3%	20% rubble
4.00	5.00	1.00	258493	0.043	Sericitic alteration	4%	
5.00	6.00	1.00	258494	0.016	Sericitic alteration	2%	
6.00	7.00	1.00	258495	0.031	Sericitic alteration	1%	
7.00	8.00	1.00	258497	0.018	Sericitic alteration	1%	
8.00	9.00	1.00	258498	0.101	Sericitic alteration	1%	
9.00	10.00	1.00	258499	0.183	Sericitic alteration	1%	
10.00	11.00	1.00	258500	0.046	Sericitic alteration	7%	
11.00	12.00	1.00	261001	0.113	Sericitic alteration	1%	
12.00	12.90	0.90	261002	1.185	Sericitic alteration	1%	
12.90	14.00	1.10	261003	0.666	Sericitic alteration	4%	
14.00	15.00	1.00	261004	0.070	Sericitic alteration	6%	
15.00	16.05	1.05	261005	46.500	Sericitic alteration	8%	
16.05	17.00	0.95	261006	0.140	Sericitic alteration	1%	
17.00	18.00	1.00	261007	0.534	Sericitic alteration	2%	
18.00	19.00	1.00	261008	0.268	Sericitic alteration	2%	
19.00	20.00	1.00	261009	0.073	Sericitic alteration	1%	
20.00	21.00	1.00	261011	0.089	Sericitic alteration	2%	
21.00	22.00	1.00	261013	0.048	Sericitic alteration	2%	
22.00	23.00	1.00	261014	0.437	Sericitic alteration	1%	
23.00	24.00	1.00	261015	0.573	Sericitic alteration	3%	
24.00	25.00	1.00	261016	0.168	Sericitic alteration	1%	
25.00	26.00	1.00	261017	0.067	Sericitic alteration	1%	
26.00	27.00	1.00	261018	0.027	Sericitic alteration	1%	
27.00	28.00	1.00	261019	0.051	Sericitic alteration	1%	
28.00	29.00	1.00	261020	0.060	Sericitic alteration	2%	
29.00	30.00	1.00	261021	0.184	Sericitic alteration	2%	
30.00	31.00	1.00	261022	0.065	Sericitic alteration	1%	
31.00	32.00	1.00	261023	0.022	Sericitic alteration	1%	
32.00	33.00	1.00	261025	0.035	Sericitic alteration	2%	

33.00	34.00	1.00	261026	0.053	Sericitic alteration	2%	
34.00	35.00	1.00	261027	0.033	Sericitic alteration	3%	
35.00	36.00	1.00	261028	0.024	Sericitic alteration	5%	
36.00	37.00	1.00	261029	0.013	Silicified	1%	
37.00	37.70	0.70	261031	0.099	Silicified	1%	
37.70	38.30	0.60	261032	0.164	Sericitic alteration	1%	
38.30	39.00	0.70	261033	0.248	Silicified	1%	
39.00	39.85	0.85	261034	0.206	Sericitic alteration	3%	
39.85	41.00	1.15	261035	0.076	Sericitic alteration	55%	
41.00	42.00	1.00	261037	0.074	Sericitic alteration	1%	
42.00	43.00	1.00	261038	0.191	Sericitic alteration	1%	
43.00	44.00	1.00	261039	0.200	Sericitic alteration	2%	
44.00	45.00	1.00	261040	0.243	Sericitic alteration	2%	
45.00	46.00	1.00	261041	0.280	Sericitic alteration	2%	
46.00	47.00	1.00	261042	0.189	Silicified	1%	
47.00	48.00	1.00	261043	0.025	Silicified	1%	
48.00	49.00	1.00	261044	0.905	Silicified	1%	
49.00	49.60	0.60	261045	0.349	Chloritic alteration	1%	
49.60	51.00	1.40	261046	0.224	Silicified	2%	
51.00	52.00	1.00	261047	0.231	Sericitic alteration	3%	
52.00	53.00	1.00	261049	0.431	Silicified	1%	
53.00	54.00	1.00	261051	0.415	Silicified	1%	
54.00	54.60	0.60	261052	0.073	Silicified	10%	
54.60	56.00	1.40	261053	0.828	Sericitic alteration	4%	x laurent starts here
56.00	57.00	1.00	261054	0.339	Sericitic alteration	6%	x
57.00	58.00	1.00	261055	0.323	Sericitic alteration	4%	x
58.00	59.00	1.00	261056	0.200	Sericitic alteration	3%	x
59.00	60.00	1.00	261057	0.147	Sericitic alteration	2%	x
60.00	61.00	1.00	261058	0.094	Sericitic alteration	3%	x
61.00	62.00	1.00	261059	0.143	Sericitic alteration	6%	x
62.00	63.00	1.00	261061	0.206	Sericitic alteration	2%	x
63.00	64.00	1.00	261062	2.502	Sericitic alteration	4%	x
64.00	65.00	1.00	261063	0.101	Sericitic alteration	3%	x
65.00	66.00	1.00	261064	0.262	Sericitic alteration	6%	x
66.00	67.00	1.00	261065	0.365	Silicified	2%	x
67.00	68.00	1.00	261066	0.075	Silicified	3%	x
68.00	69.00	1.00	261067	0.184	Silicified	2%	x
69.00	70.00	1.00	261068	0.334	Silicified	3%	x
70.00	71.00	1.00	261069	0.267	Silicified	3%	x
71.00	72.00	1.00	261071	0.293	Silicified	1%	x
72.00	73.00	1.00	261073	0.153	Silicified	1%	x
73.00	74.00	1.00	261074	0.102	Silicified	2%	x

74.00	75.00	1.00	261075	0.569	Silicified	3%	x
75.00	76.00	1.00	261076	0.140	Silicified	2%	x
76.00	77.00	1.00	261077	0.221	Silicified	2%	x
77.00	78.00	1.00	261078	0.100	Silicified	1%	x
78.00	79.00	1.00	261079	0.105	Silicified	2%	x
79.00	80.00	1.00	261080	0.127	Silicified	2%	x
80.00	81.00	1.00	261081	0.080	Silicified	2%	x
81.00	82.00	1.00	261082	0.310	Silicified	2%	x
82.00	83.00	1.00	261083	0.537	Silicified	2%	x
83.00	84.00	1.00	261085	1.309	Silicified	1%	x
84.00	85.00	1.00	261086	0.178	Silicified	1%	x
85.00	86.00	1.00	261087	0.101	Silicified	1%	x
86.00	87.00	1.00	261088	0.015	Silicified	6%	x
87.00	88.00	1.00	261089	0.117	Silicified	12%	x
88.00	89.00	1.00	261091	0.051	Silicified	2%	x
89.00	89.90	0.90	261092	0.115	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>89.90</b>	<b>91.70</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
89.90	91.00	1.10	261093	0.005	Chloritic alteration	3%	x
91.00	91.70	0.70	261094	0.191	Chloritic alteration	6%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>91.70</b>	<b>174.40</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
91.70	93.00	1.30	261095	0.209	Sericitic alteration	10%	x
93.00	94.00	1.00	261097	0.116	Silicified	4%	x
94.00	95.00	1.00	261098	0.099	Chloritic alteration	2%	x
95.00	96.00	1.00	261099	1.246	Silicified	3%	x
96.00	97.00	1.00	261100	0.044	Silicified	3%	x
97.00	98.00	1.00	261101	0.095	Silicified	5%	x
98.00	99.00	1.00	261102	0.036	Silicified	2%	x
99.00	100.00	1.00	261103	0.315	Silicified	6%	x
100.00	101.00	1.00	261104	0.111	Silicified	3%	x
101.00	102.00	1.00	261105	0.086	Silicified	5%	x
102.00	103.00	1.00	261106	0.128	Silicified	3%	x
103.00	104.00	1.00	261107	0.152	Silicified	3%	x
104.00	105.00	1.00	261108	0.184	Silicified	5%	x
105.00	106.00	1.00	261109	0.463	Sericitic alteration	8%	x
106.00	107.00	1.00	261111	0.317	Silicified	8%	x
107.00	108.00	1.00	261113	0.110	Silicified	3%	x
108.00	109.00	1.00	261114	0.101	Silicified	4%	x
109.00	110.00	1.00	261115	0.271	Silicified	5%	x

110.00	111.00	1.00	261116	0.200	Silicified	4%	x
111.00	112.00	1.00	261117	0.054	Silicified	3%	x
112.00	113.00	1.00	261118	0.110	Silicified	2%	x
113.00	114.00	1.00	261119	0.058	Silicified	4%	x
114.00	115.00	1.00	261120	0.093	Silicified	10%	x
115.00	116.00	1.00	261121	0.078	Silicified	5%	x
116.00	117.00	1.00	261122	2.677	Silicified	3%	x
117.00	118.00	1.00	261123	0.029	Silicified	1%	x
118.00	119.00	1.00	261125	0.298	Sericitic alteration	6%	x
119.00	120.00	1.00	261126	0.052	Silicified	2%	x
120.00	121.00	1.00	261127	0.162	Sericitic alteration	8%	x
121.00	122.00	1.00	261128	0.059	Sericitic alteration	3%	x
122.00	123.00	1.00	261129	0.031	Silicified	2%	x
123.00	124.00	1.00	261131	0.077	Silicified	3%	x
124.00	125.00	1.00	261132	0.143	Sericitic alteration	4%	x
125.00	126.00	1.00	261133	0.083	Silicified	2%	x
126.00	127.00	1.00	261134	0.027	Silicified	4%	x
127.00	128.00	1.00	261135	0.054	Silicified	3%	x
128.00	129.00	1.00	261137	0.088	Silicified	3%	x
129.00	130.00	1.00	261138	0.433	Sericitic alteration	5%	x
130.00	131.00	1.00	261139	0.100	Silicified	4%	x
131.00	132.00	1.00	261140	0.272	Silicified	3%	x
132.00	133.00	1.00	261141	0.102	Silicified	2%	x
133.00	134.00	1.00	261142	0.345	Silicified	2%	x
134.00	135.00	1.00	261143	0.272	Silicified	3%	x
135.00	136.00	1.00	261144	0.076	Silicified	5%	x
136.00	137.00	1.00	261145	1.288	Silicified	4%	x
137.00	138.00	1.00	261146	0.091	Silicified	3%	x
138.00	139.00	1.00	261147	0.458	Silicified	2%	x
139.00	140.00	1.00	261149	0.050	Silicified	3%	x
140.00	141.00	1.00	261151	0.030	Silicified	6%	x
141.00	142.00	1.00	261152	0.052	Silicified	4%	x
142.00	143.00	1.00	261153	0.021	Silicified	3%	x
143.00	144.00	1.00	261154	0.214	Silicified	3%	x
144.00	145.00	1.00	261155	1.382	Silicified	3%	x
145.00	146.00	1.00	261156	0.277	Silicified	3%	x
146.00	147.00	1.00	261157	0.070	Silicified	2%	x
147.00	148.00	1.00	261158	0.014	Silicified	2%	x
148.00	149.00	1.00	261159	1.716	Sericitic alteration	9%	x
149.00	150.00	1.00	261161	0.074	Silicified	5%	x
150.00	151.00	1.00	261162	0.012	Silicified	2%	x
151.00	152.00	1.00	261163	0.040	Silicified	2%	x

152.00	153.00	1.00	261164	0.019	Silicified	2%	x
153.00	154.00	1.00	261165	0.038	Silicified	3%	x
154.00	155.00	1.00	261166	0.025	Silicified	2%	x
155.00	156.00	1.00	261167	0.070	Sericitic alteration	4%	x
156.00	157.00	1.00	261168	0.031	Silicified	2%	x
157.00	158.00	1.00	261169	0.430	Silicified	6%	x
158.00	159.00	1.00	261171	0.033	Silicified	4%	x
159.00	160.00	1.00	261173	0.014	Silicified	2%	x
160.00	161.00	1.00	261174	0.056	Silicified	4%	x
161.00	162.00	1.00	261175	0.027	Silicified	6%	x
162.00	163.00	1.00	261176	0.066	Silicified	3%	x
163.00	164.00	1.00	261177	0.099	Silicified	3%	x
164.00	165.00	1.00	261178	0.015	Silicified	5%	x
165.00	166.00	1.00	261179	0.161	Silicified	2%	x
166.00	167.00	1.00	261180	0.012	Silicified	1%	x
167.00	168.00	1.00	261181	0.080	Silicified	1%	x
168.00	169.00	1.00	261182	0.392	Silicified	1%	x
169.00	170.00	1.00	261183	0.034	Silicified	1%	x
170.00	171.00	1.00	261185	0.064	Silicified	2%	x
171.00	172.00	1.00	261186	0.122	Silicified	2%	x
172.00	173.00	1.00	261187	0.328	Silicified	1%	x
173.00	174.40	1.40	261188	0.049	Silicified	3%	x

From	To	Lithologic Group					
174.40	175.30	Quartz diorite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
174.40	175.30	0.90	261189	0.161	Chloritic alteration	4%	x

From	To	Lithologic Group					
175.30	182.00	Tonalite					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
175.30	176.00	0.70	261191	0.005	Silicified	10%	x
176.00	177.00	1.00	261192	0.028	Silicified	4%	x
177.00	178.00	1.00	261193	0.307	Sericitic alteration	6%	x
178.00	179.00	1.00	261194	0.012	Silicified	2%	x
179.00	180.00	1.00	261195	0.007	Silicified	8%	x
180.00	180.90	0.90	261197	0.039	Silicified	4%	x
180.90	182.00	1.10	261198	0.032	Silicified	15%	x

From	To	Lithologic Group					
182.00	187.70	Quartz Diorite Breccia					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
182.00	183.00	1.00	261199	0.072	Chloritic alteration	6%	x
183.00	184.00	1.00	261200	0.372	Chloritic alteration	6%	x
184.00	185.00	1.00	261201	0.016	Chloritic alteration	18%	x

185.00	186.00	1.00	261202	0.064	Chloritic alteration	14%	x
186.00	187.00	1.00	261203	3.860	Chloritic alteration	10%	x
187.00	187.70	0.70	261204	2.649	Chloritic alteration	10%	x
<b>From</b> <b>187.70</b>	<b>To</b> <b>189.90</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
187.70	189.00	1.30	261205	0.880	Sericitic alteration	5%	x
189.00	189.90	0.90	261206	0.087	Sericitic alteration	4%	x
<b>From</b> <b>189.90</b>	<b>To</b> <b>191.00</b>		<b>Lithologic Group</b> <b>Quartz Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
189.90	191.00	1.10	261207	0.117	Chloritic alteration	8%	x
<b>From</b> <b>191.00</b>	<b>To</b> <b>203.20</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
191.00	192.00	1.00	261208	0.232	Silicified	4%	x
192.00	193.00	1.00	261209	0.198	Silicified	2%	x
193.00	194.00	1.00	261211	0.076	Silicified	2%	x
194.00	195.00	1.00	261213	1.178	Silicified	2%	x
195.00	196.00	1.00	261214	0.796	Silicified	2%	x
196.00	197.00	1.00	261215	0.195	Silicified	2%	x
197.00	198.00	1.00	261216	0.017	Silicified	4%	x
198.00	199.00	1.00	261217	0.060	Silicified	8%	x
199.00	200.00	1.00	261218	0.185	Silicified	2%	x
200.00	201.00	1.00	261219	0.185	Silicified	2%	x
201.00	202.00	1.00	261220	0.405	Silicified	2%	x
202.00	203.20	1.20	261221	0.188	Silicified	4%	x
<b>From</b> <b>203.20</b>	<b>To</b> <b>275.00</b>		<b>Lithologic Group</b> <b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
203.20	204.00	0.80	261222	3.260	Chloritic alteration	9%	x
204.00	205.00	1.00	261223	0.088	Chloritic alteration	3%	x
205.00	206.00	1.00	261225	0.019	Chloritic alteration	5%	x small flt at 205.4
206.00	207.00	1.00	261226	0.016	Chloritic alteration	1%	x
207.00	208.00	1.00	261227	0.135	Chloritic alteration	4%	x
208.00	209.00	1.00	261228	19.800	Chloritic alteration	20%	x
209.00	210.00	1.00	261229	0.062	Chloritic alteration	10%	x
210.00	211.00	1.00	261231	0.013	Chloritic alteration	1%	x
211.00	212.00	1.00	261232	1.292	Chloritic alteration	2%	x
212.00	213.00	1.00	261233	0.315	Chloritic alteration	2%	x
213.00	214.00	1.00	261234	0.233	Chloritic alteration	2%	x
214.00	215.00	1.00	261235	0.283	Chloritic alteration	3%	x

215.00	216.00	1.00	261237	0.120	Chloritic alteration	4%	x
216.00	217.00	1.00	261238	0.210	Chloritic alteration	6%	x
217.00	218.00	1.00	261239	3.400	Chloritic alteration	30%	x
218.00	219.00	1.00	261240	0.040	Chloritic alteration	10%	x
219.00	220.00	1.00	261241	0.612	Chloritic alteration	3%	x
220.00	221.00	1.00	261242	0.114	Chloritic alteration	1%	x
221.00	222.00	1.00	261243	1.313	Chloritic alteration	5%	x
222.00	223.00	1.00	261244	0.022	Chloritic alteration	4%	x
223.00	224.00	1.00	261245	0.007	Chloritic alteration	3%	x
224.00	225.00	1.00	261246	0.019	Chloritic alteration	3%	x
225.00	226.00	1.00	261247	0.011	Chloritic alteration	1%	x
226.00	227.00	1.00	261249	0.222	Chloritic alteration	4%	x
227.00	228.00	1.00	261251	2.735	Chloritic alteration	2%	x
228.00	229.00	1.00	261252	0.267	Chloritic alteration	1%	x
229.00	230.00	1.00	261253	0.539	Chloritic alteration	1%	x
230.00	231.00	1.00	261254	0.242	Chloritic alteration	1%	x
231.00	232.00	1.00	261255	0.181	Chloritic alteration	3%	x
232.00	233.00	1.00	261256	0.045	Chloritic alteration	1%	x
233.00	234.00	1.00	261257	0.142	Chloritic alteration	2%	x
234.00	235.00	1.00	261258	0.190	Chloritic alteration	2%	x
235.00	236.00	1.00	261259	0.237	Chloritic alteration	2%	x
236.00	237.00	1.00	261261	0.246	Chloritic alteration	3%	x
237.00	238.00	1.00	261262	0.072	Chloritic alteration	2%	x
238.00	239.00	1.00	261263	0.005	Chloritic alteration	3%	x
239.00	240.00	1.00	261264	0.005	Chloritic alteration	3%	x
240.00	241.00	1.00	261265	0.012	Chloritic alteration	3%	x
241.00	242.00	1.00	261266	0.015	Chloritic alteration	1%	x
242.00	243.00	1.00	261267	0.008	Chloritic alteration	2%	x
243.00	244.00	1.00	261268	0.014	Chloritic alteration	2%	x
244.00	245.00	1.00	261269	0.011	Chloritic alteration	3%	x
245.00	246.00	1.00	261271	0.005	Chloritic alteration	4%	x
246.00	247.00	1.00	261273	0.039	Chloritic alteration	4%	x
247.00	248.00	1.00	261274	0.048	Chloritic alteration	5%	x
248.00	249.00	1.00	261275	0.005	Chloritic alteration	3%	x
249.00	250.00	1.00	261276	0.005	Chloritic alteration	1%	x
250.00	251.00	1.00	261277	0.005	Chloritic alteration	2%	x
251.00	252.00	1.00	261278	0.005	Chloritic alteration	2%	x
252.00	253.00	1.00	261279	0.021	Chloritic alteration	3%	x
253.00	254.00	1.00	261280	0.032	Chloritic alteration	3%	x
254.00	255.00	1.00	261281	0.010	Chloritic alteration	1%	x
255.00	256.00	1.00	261282	0.005	Chloritic alteration	1%	x
256.00	257.00	1.00	261283	0.068	Chloritic alteration	3%	x



257.00	258.00	1.00	261285	0.013	Chloritic alteration	6%	x
258.00	259.00	1.00	261286	0.024	Chloritic alteration	3%	x
259.00	260.00	1.00	261287	0.013	Chloritic alteration	4%	x
260.00	261.00	1.00	261288	0.054	Chloritic alteration	3%	x
261.00	262.00	1.00	261289	0.054	Chloritic alteration	3%	x
262.00	263.00	1.00	261291	0.157	Chloritic alteration	6%	x
263.00	264.00	1.00	261292	0.028	Chloritic alteration	1%	x
264.00	265.00	1.00	261293	0.027	Chloritic alteration	3%	x
265.00	266.00	1.00	261294	0.133	Chloritic alteration	5%	x
266.00	267.00	1.00	261295	0.056	Chloritic alteration	2%	x
267.00	268.00	1.00	261297	0.207	Chloritic alteration	3%	x
268.00	269.00	1.00	261298	0.185	Chloritic alteration	6%	x
269.00	270.00	1.00	261299	0.201	Chloritic alteration	15%	x
270.00	271.00	1.00	261300	0.097	Chloritic alteration	15%	x
271.00	272.00	1.00	261301	0.203	Chloritic alteration	10%	x
272.00	273.00	1.00	261302	0.185	Chloritic alteration	10%	x
273.00	274.00	1.00	261303	0.108	Chloritic alteration	5%	x
274.00	275.00	1.00	261304	0.005	Chloritic alteration	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>275.00</b>	<b>287.00</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
275.00	276.00	1.00	261305	0.008	Chloritic alteration	1%	x
276.00	277.00	1.00	261306	0.026	Chloritic alteration	1%	x
277.00	278.00	1.00	261307	0.019	Chloritic alteration	3%	x
278.00	279.00	1.00	261308	0.029	Biotitic alteration	1%	x
279.00	280.00	1.00	261309	0.015	Biotitic alteration	1%	x
280.00	281.00	1.00	261311	0.005	Biotitic alteration	1%	x
281.00	282.00	1.00	261313	0.016	Biotitic alteration	2%	x
282.00	283.00	1.00	261314	0.039	Biotitic alteration	2%	x
283.00	284.00	1.00	261315	0.032	Biotitic alteration	2%	x
284.00	285.00	1.00	261316	0.024	Biotitic alteration	2%	x
285.00	286.00	1.00	261317	0.020	Biotitic alteration	2%	x
286.00	287.00	1.00	261318	0.113	Biotitic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>287.00</b>	<b>287.50</b>	<b>Quartz Diorite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
287.00	287.50	0.50	261319	0.011	Biotitic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>287.50</b>	<b>317.90</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
287.50	288.00	0.50	261320	0.026	Silicified	2%	x
288.00	289.00	1.00	261321	0.022	Silicified	2%	x

289.00	290.00	1.00	261322	0.041	Silicified	4%	x
290.00	291.00	1.00	261323	0.022	Silicified	3%	x
291.00	292.00	1.00	261325	0.005	Silicified	2%	x
292.00	293.00	1.00	261326	0.005	Silicified	3%	x
293.00	294.00	1.00	261327	0.013	Silicified	4%	x
294.00	295.00	1.00	261328	0.080	Silicified	10%	x
295.00	296.00	1.00	261329	0.037	Silicified	6%	x
296.00	297.00	1.00	261331	0.434	Silicified	3%	x
297.00	298.00	1.00	261332	0.025	Silicified	2%	x
298.00	299.00	1.00	261333	0.069	Silicified	2%	x
299.00	300.00	1.00	261334	0.144	Silicified	2%	x
300.00	301.00	1.00	261335	0.068	Silicified	3%	x
301.00	302.00	1.00	261337	0.029	Silicified	3%	x
302.00	303.00	1.00	261338	0.009	Silicified	2%	x
303.00	304.00	1.00	261339	0.013	Silicified	3%	x
304.00	305.00	1.00	261340	0.052	Silicified	3%	x
305.00	306.00	1.00	261341	0.083	Silicified	2%	x
306.00	307.00	1.00	261342	0.030	Silicified	2%	x
307.00	308.00	1.00	261343	0.055	Silicified	2%	x
308.00	309.00	1.00	261344	0.072	Silicified	3%	x
309.00	310.00	1.00	261345	0.024	Silicified	2%	x
310.00	311.00	1.00	261346	0.036	Silicified	2%	x
311.00	312.00	1.00	261347	0.125	Silicified	2%	x
312.00	313.00	1.00	261349	0.032	Silicified	2%	x
313.00	314.00	1.00	261351	0.011	Silicified	2%	x
314.00	315.00	1.00	261352	0.010	Silicified	2%	x
315.00	316.00	1.00	261353	0.009	Silicified	2%	x
316.00	317.00	1.00	261354	0.010	Silicified	2%	x
317.00	317.90	0.90	261355	0.089	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>317.90</b>	<b>318.60</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
317.90	318.60	0.70	261356	0.005	Unaltered	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>318.60</b>	<b>322.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
318.60	320.00	1.40	261357	0.250	Silicified	10%	x
320.00	321.00	1.00	261358	0.006	Silicified	20%	x
321.00	322.00	1.00	261359	0.020	Silicified	10%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>322.00</b>	<b>326.00</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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322.00	323.00	1.00	261361	0.005	Chloritic alteration	5%	x
323.00	324.00	1.00	261362	0.006	Chloritic alteration	3%	x
324.00	325.00	1.00	261363	0.006	Chloritic alteration	3%	x
325.00	326.00	1.00	261364	0.009	Chloritic alteration	3%	x
<b>From</b> <b>326.00</b>	<b>To</b> <b>327.00</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
326.00	327.00	1.00	261365	0.017	Chloritic alteration	3%	x
<b>From</b> <b>327.00</b>	<b>To</b> <b>329.70</b>		<b>Lithologic Group</b> <b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
327.00	328.00	1.00	261366	0.022	Chloritic alteration	4%	x
328.00	329.00	1.00	261367	0.021	Chloritic alteration	4%	x
329.00	329.70	0.70	261368	0.046	Chloritic alteration	3%	xx
<b>From</b> <b>329.70</b>	<b>To</b> <b>331.30</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
329.70	330.50	0.80	261369	0.028	Silicified	3%	x
330.50	331.30	0.80	261371	0.033	Silicified	3%	x
<b>From</b> <b>331.30</b>	<b>To</b> <b>332.00</b>		<b>Lithologic Group</b> <b>Lamprophyre Dyke</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
331.30	332.00	0.70	261373	0.015	Chloritic alteration	3%	x
<b>From</b> <b>332.00</b>	<b>To</b> <b>332.90</b>		<b>Lithologic Group</b> <b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
332.00	332.90	0.90	261374	0.031	Chloritic alteration	3%	x
<b>From</b> <b>332.90</b>	<b>To</b> <b>334.00</b>		<b>Lithologic Group</b> <b>Tonalite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
332.90	334.00	1.10	261375	0.013	Silicified	2%	x
<b>From</b> <b>334.00</b>	<b>To</b> <b>353.50</b>		<b>Lithologic Group</b> <b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
334.00	335.00	1.00	261376	0.005	Silicified	2%	x
335.00	336.00	1.00	261377	0.017	Silicified	2%	x
336.00	337.00	1.00	261378	0.258	Silicified	3%	x
337.00	338.00	1.00	261379	0.034	Silicified	3%	x
338.00	339.00	1.00	261380	0.119	Silicified	3%	x
339.00	340.00	1.00	261381	0.025	Silicified	3%	x
340.00	341.00	1.00	261382	0.014	Silicified	2%	x

341.00	342.00	1.00	261383	0.127	Silicified	2%	x
342.00	343.00	1.00	261385	0.046	Silicified	2%	x
343.00	344.00	1.00	261386	0.264	Silicified	4%	x
344.00	345.00	1.00	261387	0.046	Silicified	2%	x
345.00	346.00	1.00	261388	0.189	Silicified	2%	x
346.00	347.00	1.00	261389	0.114	Silicified	2%	x
347.00	348.00	1.00	261391	0.822	Silicified	6%	x
348.00	349.00	1.00	261392	0.010	Silicified	2%	x
349.00	350.00	1.00	261393	0.005	Silicified	2%	x
350.00	351.00	1.00	261394	0.013	Silicified	2%	x
351.00	352.00	1.00	261395	0.053	Silicified	2%	x
352.00	353.00	1.00	261397	0.051	Silicified	2%	x
353.00	353.50	0.50	261398	0.152	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>353.50</b>	<b>359.80</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
353.50	355.00	1.50	261399	0.005	Chloritic alteration	5%	x
355.00	356.00	1.00	261400	0.005	Chloritic alteration	1%	x
356.00	357.00	1.00	261401	0.005	Chloritic alteration	1%	x
357.00	358.00	1.00	261402	0.005	Chloritic alteration	2%	x
358.00	359.00	1.00	261403	0.005	Chloritic alteration	2%	x
359.00	359.80	0.80	261404	0.006	Chloritic alteration	10%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>359.80</b>	<b>363.50</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
359.80	361.00	1.20	261405	0.005	Silicified	2%	x
361.00	362.00	1.00	261406	0.042	Sericitic alteration	2%	x
362.00	363.00	1.00	261407	0.027	Sericitic alteration	2%	x
363.00	363.50	0.50	261408	0.019	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>363.50</b>	<b>367.80</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
363.50	365.00	1.50	261409	0.006	Chloritic alteration	4%	x
365.00	366.00	1.00	261411	0.016	Chloritic alteration	8%	x
366.00	367.00	1.00	261413	0.005	Chloritic alteration	4%	x
367.00	367.80	0.80	261414	0.012	Chloritic alteration	4%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>367.80</b>	<b>368.50</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
367.80	368.50	0.70	261415	0.060	Sericitic alteration	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>368.50</b>	<b>369.15</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
368.50	369.15	0.65	261416	0.010	Chloritic alteration	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>369.15</b>	<b>375.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
369.15	370.00	0.85	261417	0.132	Sericitic alteration	5%	x
370.00	371.00	1.00	261418	0.067	Sericitic alteration	3%	x
371.00	372.00	1.00	261419	0.216	Sericitic alteration	3%	x
372.00	373.00	1.00	261420	0.080	Sericitic alteration	2%	x
373.00	374.00	1.00	261421	0.080	Sericitic alteration	2%	x
374.00	375.00	1.00	261422	0.079	Sericitic alteration	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>375.00</b>	<b>377.00</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
375.00	376.00	1.00	261423	0.005	Chloritic alteration	10%	x
376.00	377.00	1.00	261425	0.024	Chloritic alteration	8%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>377.00</b>	<b>379.70</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
377.00	378.00	1.00	261426	0.085	Silicified	6%	x
378.00	379.00	1.00	261427	0.024	Silicified	4%	x
379.00	379.70	0.70	261428	0.020	Silicified	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>379.70</b>	<b>381.00</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
379.70	381.00	1.30	261429	0.011	Silicified	3%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>381.00</b>	<b>414.75</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
381.00	381.80	0.80	261431	0.145	Sericitic alteration	4%	x
381.80	383.00	1.20	261432	3.320	Sericitic alteration	2%	x
383.00	384.00	1.00	261433	0.127	Sericitic alteration	3%	x
384.00	385.00	1.00	261434	0.141	Sericitic alteration	4%	x
385.00	386.00	1.00	261435	0.040	Sericitic alteration	5%	x
386.00	387.00	1.00	261437	0.089	Sericitic alteration	5%	x
387.00	388.00	1.00	261438	0.013	Silicified	4%	x
388.00	389.00	1.00	261439	0.005	Silicified	3%	x
389.00	390.00	1.00	261440	0.083	Silicified	5%	x
390.00	391.00	1.00	261441	0.065	Sericitic alteration	4%	x

391.00	392.00	1.00	261442	0.056	Sericitic alteration	3%	x
392.00	393.00	1.00	261443	0.025	Sericitic alteration	3%	x
393.00	394.00	1.00	261444	0.052	Sericitic alteration	2%	x
394.00	395.00	1.00	261445	0.005	Sericitic alteration	2%	x
395.00	396.00	1.00	261446	0.005	Sericitic alteration	8%	x
396.00	397.00	1.00	261447	0.005	Sericitic alteration	4%	x
397.00	398.00	1.00	261449	0.005	Sericitic alteration	5%	x
398.00	399.00	1.00	261451	0.011	Sericitic alteration	5%	x
399.00	400.00	1.00	261452	0.005	Silicified	2%	x
400.00	401.00	1.00	261453	0.006	Silicified	2%	x
401.00	402.00	1.00	261454	0.019	Silicified	2%	x
402.00	403.00	1.00	261455	0.022	Sericitic alteration	4%	x
403.00	404.00	1.00	261456	0.014	Silicified	2%	x
404.00	405.00	1.00	261457	0.028	Sericitic alteration	4%	x
405.00	406.00	1.00	261458	0.030	Sericitic alteration	2%	x
406.00	407.00	1.00	261459	0.007	Sericitic alteration	2%	x
407.00	408.00	1.00	261461	0.005	Silicified	1%	x
408.00	409.00	1.00	261462	0.029	Silicified	1%	x
409.00	410.00	1.00	261463	0.028	Silicified	1%	x
410.00	411.00	1.00	261464	0.005	Silicified	1%	x
411.00	412.00	1.00	261465	0.005	Silicified	1%	x
412.00	413.00	1.00	261466	0.017	Silicified	5%	x
413.00	414.00	1.00	261467	0.008	Silicified	10%	x
414.00	414.75	0.75	261468	0.005	Silicified	4%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>414.75</b>	<b>417.05</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
414.75	416.00	1.25	261469	0.044	Biotitic alteration	5%	x
416.00	417.05	1.05	261471	0.011	Biotitic alteration	5%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>417.05</b>	<b>424.36</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
417.05	418.00	0.95	261473	0.014	Sericitic alteration	2%	x
418.00	419.00	1.00	261474	0.037	Silicified	1%	x
419.00	420.00	1.00	261475	0.079	Silicified	1%	x
420.00	421.00	1.00	261476	0.080	Silicified	2%	x
421.00	422.00	1.00	261477	0.068	Silicified	5%	x
422.00	423.00	1.00	261478	0.021	Silicified	3%	x
423.00	424.36	1.36	261479	0.068	Silicified	3%	x

# DRILL HOLE REPORT

Drill Hole **GOS20-61** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 330.0  
 Dip -61.0  
 Length 424.5 m  
 Started 22-Nov-20  
 Completed 30-Nov-20  
 Logged 01-Dec-20  
 Logged by Laurent Gauchat

Company  
 Contractor Chenier Drilling  
 Position  
 Bore Size BQTK  
 Sample Storage  
 Casing STEEL  
 Condition Capped

Survey Details:

Claim Number PAT-11117  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Multi-shot Survey (unspecifie  
 Coord Survey Tool DGPS

Coordinates:

Target Easting 430460.33  
 Comments UTM Datum NAD83 Northing 5267319.75  
 UTM Zone 17 Elevation 390.22

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
1.5	329.07	-61.99				31.5	328.80	-61.51			
4.5	328.93	-61.97				34.5	328.88	-61.66			
7.5	328.36	-62.00				37.5	327.93	-61.85			
10.5	328.69	-61.90				40.5	328.67	-61.66			
13.5	328.49	-61.92				46.5	328.89	-61.73			
16.5	328.63	-62.01				49.5	328.54	-62.05			
19.5	328.79	-61.84				52.5	329.01	-61.43			
22.5	328.51	-61.78				55.5	328.75	-61.63			
25.5	328.35	-61.72				58.5	326.57	-61.62			
28.5	328.21	-61.68				61.5	328.68	-61.68			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
64.5	328.87	-61.79			
67.5	328.94	-61.69			
70.5	328.63	-62.10			
73.5	329.33	-61.73			
76.5	329.35	-61.74			
79.5	329.35	-61.80			
82.5	329.37	-61.81			
85.5	329.37	-61.84			
88.5	329.40	-61.92			
91.5	329.35	-61.86			
94.5	329.39	-61.90			
97.5	329.05	-62.58			
100.5	329.72	-61.95			
103.5	330.36	-62.01			
112.5	330.05	-62.03			
115.5	329.93	-62.04			
118.5	329.81	-62.02			
121.5	329.87	-62.02			
124.5	329.85	-62.06			
127.5	329.87	-62.07			
130.5	329.80	-62.14			
133.5	330.03	-62.11			
136.5	330.11	-62.14			
139.5	330.41	-62.04			
142.5	330.16	-62.21			
145.5	330.35	-62.17			
148.5	330.41	-62.15			
151.5	330.40	-62.23			
157.5	330.69	-62.20			
160.5	330.79	-62.23			
163.5	330.78	-62.24			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
166.5	330.99	-62.23			
169.5	330.91	-62.22			
172.5	331.05	-62.18			
175.5	331.84	-61.53			
178.5	331.14	-62.03			
181.5	331.24	-61.97			
184.5	331.34	-61.91			
187.5	331.21	-62.05			
190.5	331.55	-61.77			
193.5	331.56	-61.79			
196.5	331.54	-61.83			
199.5	331.59	-61.85			
202.5	331.69	-61.85			
205.5	331.60	-61.96			
208.5	331.80	-61.89			
211.5	331.82	-61.98			
214.5	331.92	-61.99			
217.5	332.01	-61.94			
220.5	331.90	-61.89			
223.5	332.04	-62.22			
226.5	332.10	-61.98			
229.5	331.90	-62.01			
232.5	331.81	-62.12			
235.5	332.02	-62.04			
238.5	332.15	-62.09			
241.5	331.96	-62.17			
244.5	332.18	-62.11			
247.5	332.22	-62.11			
250.5	332.23	-62.18			
252.0	332.58	-62.43			
253.5	332.31	-62.24			



Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
256.5	332.43	-62.32			
259.5	332.55	-62.39			
262.5	332.51	-62.39			
265.5	332.56	-62.43			
268.5	332.58	-62.39			
271.5	332.69	-62.41			
274.5	332.65	-62.47			
277.5	332.88	-62.48			
280.5	332.99	-62.55			
283.5	332.98	-62.57			
286.5	333.23	-62.62			
292.5	333.31	-62.60			
295.5	333.16	-62.61			
298.5	333.56	-62.60			
300.0	333.36	-62.63			
301.5	333.20	-62.61			
304.5	332.93	-62.65			
307.5	333.52	-62.63			
310.5	333.77	-62.58			
313.5	333.88	-62.54			
316.5	333.56	-62.55			
319.5	333.57	-62.55			
322.5	333.70	-62.57			
325.5	333.80	-62.52			
328.5	333.71	-62.45			
331.5	333.92	-62.46			
334.5	333.97	-62.42			
337.5	334.10	-62.44			
340.5	333.98	-62.41			
343.5	333.70	-62.42			
346.5	334.31	-62.40			

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
349.5	334.27	-62.42			
352.5	333.72	-62.41			
355.5	334.02	-62.35			
358.5	334.22	-62.32			
361.5	334.45	-62.31			
364.5	334.73	-62.33			
367.5	334.77	-62.34			
370.5	334.78	-62.36			
373.5	334.81	-62.30			
376.5	334.79	-62.27			
379.5	334.69	-62.33			
382.5	334.85	-62.33			
385.5	334.79	-62.34			
388.5	334.75	-62.33			
391.5	334.79	-62.35			
394.5	334.88	-62.28			
397.5	334.77	-62.35			
400.5	334.94	-62.36			
403.5	334.74	-62.33			
406.5	334.87	-62.30			
409.5	334.85	-62.31			
412.5	334.85	-62.32			
415.5	334.81	-62.29			
418.5	334.82	-62.34			
421.5	334.87	-62.28			
424.5	334.93	-62.29			

From 0.00	To 0.50	Lithologic Group Overburden					
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From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	0.50	0.50			Unaltered		

From 0.50	To 50.00	Lithologic Group Tonalite					
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From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.50	2.00	1.50	261501	0.076	Silicified	2%	x
2.00	3.00	1.00	261502	0.038	Silicified	2%	x
3.00	4.00	1.00	261503	0.057	Silicified	1%	x
4.00	5.00	1.00	261504	0.148	Sericitic alteration	5%	x
5.00	6.00	1.00	261505	0.024	Sericitic alteration	2%	x
6.00	7.00	1.00	261506	0.384	Silicified	2%	x
7.00	8.00	1.00	261507	0.080	Silicified	2%	x
8.00	9.00	1.00	261508	0.031	Silicified	4%	x
9.00	10.00	1.00	261509	0.061	Silicified	3%	x
10.00	11.00	1.00	261511	0.058	Silicified	6%	x
11.00	12.00	1.00	261513	0.151	Silicified	4%	x
12.00	13.00	1.00	261514	0.040	Silicified	5%	x
13.00	14.00	1.00	261515	2.095	Silicified	2%	x
14.00	15.00	1.00	261516	0.035	Sericitic alteration	6%	x
15.00	16.00	1.00	261517	0.020	Silicified	3%	x
16.00	17.00	1.00	261518	0.371	Sericitic alteration	7%	x
17.00	18.00	1.00	261519	1.815	Silicified	4%	x
18.00	19.00	1.00	261520	0.156	Silicified	5%	x
19.00	20.00	1.00	261521	0.027	Silicified	3%	x
20.00	21.00	1.00	261522	0.035	Sericitic alteration	6%	x
21.00	22.00	1.00	261523	0.013	Silicified	3%	x
22.00	23.00	1.00	261525	0.337	Silicified	4%	x
23.00	23.70	0.70	261526	0.035	Silicified	2%	x
23.70	24.50	0.80	261527	1.441	Sericitic alteration	10%	x
24.50	26.00	1.50	261528	0.013	Sericitic alteration	8%	x
26.00	27.00	1.00	261529	0.019	Silicified	4%	x
27.00	28.00	1.00	261531	1.203	Silicified	5%	x
28.00	29.00	1.00	261532	0.013	Silicified	7%	x
29.00	30.00	1.00	261533	0.022	Silicified	3%	x
30.00	31.00	1.00	261534	0.066	Silicified	4%	x
31.00	32.00	1.00	261535	0.079	Silicified	3%	x

32.00	33.00	1.00	261537	0.156	Silicified	6%	x
33.00	34.00	1.00	261538	0.434	Silicified	6%	x
34.00	35.00	1.00	261539	0.180	Sericitic alteration	12%	x
35.00	36.00	1.00	261540	0.068	Sericitic alteration	2%	x
36.00	37.00	1.00	261541	0.062	Silicified	2%	x
37.00	38.00	1.00	261542	0.376	Silicified	3%	x
38.00	39.00	1.00	261543	0.138	Sericitic alteration	10%	x
39.00	40.00	1.00	261544	0.028	Sericitic alteration	8%	x
40.00	41.00	1.00	261545	0.012	Silicified	4%	x
41.00	42.00	1.00	261546	0.044	Silicified	2%	x
42.00	43.00	1.00	261547	0.024	Silicified	1%	x
43.00	44.00	1.00	261549	0.057	Silicified	1%	x
44.00	45.00	1.00	261551	13.400	Silicified	3%	x
45.00	46.00	1.00	261552	0.127	Silicified	2%	x
46.00	47.00	1.00	261553	0.037	Silicified	3%	x
47.00	48.00	1.00	261554	0.018	Silicified	3%	x
48.00	49.00	1.00	261555	0.022	Silicified	5%	x
49.00	50.00	1.00	261556	0.016	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>50.00</b>	<b>53.00</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
50.00	51.00	1.00	261557	0.026	Chloritic alteration	2%	x
51.00	52.00	1.00	261558	0.013	Chloritic alteration	3%	x
52.00	53.00	1.00	261559	23.700	Chloritic alteration	12%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>53.00</b>	<b>54.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
53.00	54.00	1.00	261561	0.318	Silicified	6%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>54.00</b>	<b>56.00</b>	<b>Quartz diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
54.00	55.00	1.00	261562	0.024	Chloritic alteration	4%	x
55.00	56.00	1.00	261563	0.110	Chloritic alteration	4%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>56.00</b>	<b>59.30</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
56.00	57.00	1.00	261564	0.118	Silicified	2%	x
57.00	58.00	1.00	261565	0.141	Silicified	2%	x
58.00	59.30	1.30	261566	0.168	Silicified	4%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>59.30</b>	<b>151.00</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
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59.30	60.00	0.70	261567	1.053	Chloritic alteration	4%	x
60.00	61.00	1.00	261568	1.332	Chloritic alteration	4%	x
61.00	62.00	1.00	261569	0.010	Chloritic alteration	4%	x
62.00	63.00	1.00	261571	0.018	Chloritic alteration	4%	x
63.00	64.00	1.00	261573	0.097	Chloritic alteration	4%	x
64.00	65.00	1.00	261574	0.028	Chloritic alteration	2%	x
65.00	66.00	1.00	261575	0.011	Chloritic alteration	5%	x
66.00	67.00	1.00	261576	0.009	Chloritic alteration	2%	x
67.00	68.00	1.00	261577	0.007	Chloritic alteration	2%	x
68.00	69.00	1.00	261578	0.006	Chloritic alteration	2%	x
69.00	70.00	1.00	261579	0.036	Chloritic alteration	2%	x
70.00	71.00	1.00	261580	0.043	Chloritic alteration	1%	x
71.00	72.00	1.00	261581	0.005	Chloritic alteration	1%	x
72.00	73.00	1.00	261582	0.005	Chloritic alteration	2%	x
73.00	74.00	1.00	261583	0.005	Chloritic alteration	1%	x
74.00	75.00	1.00	261585	0.015	Chloritic alteration	3%	x
75.00	76.00	1.00	261586	0.226	Chloritic alteration	1%	x
76.00	77.00	1.00	261587	0.006	Chloritic alteration	2%	x
77.00	78.00	1.00	261588	0.010	Chloritic alteration	1%	x
78.00	79.00	1.00	261589	11.300	Chloritic alteration	4%	x
79.00	80.00	1.00	261591	0.107	Chloritic alteration	1%	x
80.00	81.00	1.00	261592	0.301	Chloritic alteration	1%	x
81.00	82.00	1.00	261593	0.029	Chloritic alteration	1%	x
82.00	83.00	1.00	261594	0.010	Chloritic alteration	1%	x
83.00	84.00	1.00	261595	0.013	Chloritic alteration	3%	x
84.00	85.00	1.00	261597	0.009	Chloritic alteration	4%	x
85.00	86.00	1.00	261598	0.010	Chloritic alteration	1%	x
86.00	87.00	1.00	261599	0.084	Chloritic alteration	1%	x
87.00	88.00	1.00	261600	0.082	Chloritic alteration	1%	x
88.00	89.00	1.00	261601	0.110	Chloritic alteration	1%	x
89.00	90.00	1.00	261602	0.111	Chloritic alteration	12%	x
90.00	91.00	1.00	261603	0.374	Chloritic alteration	7%	x
91.00	92.00	1.00	261604	0.656	Chloritic alteration	5%	x
92.00	93.00	1.00	261605	0.335	Chloritic alteration	7%	x
93.00	94.00	1.00	261606	0.015	Chloritic alteration	5%	x
94.00	95.00	1.00	261607	0.009	Chloritic alteration	5%	x
95.00	96.00	1.00	261608	0.759	Chloritic alteration	25%	x
96.00	97.00	1.00	261609	0.527	Chloritic alteration	8%	x
97.00	98.00	1.00	261611	0.005	Chloritic alteration	1%	x
98.00	99.00	1.00	261613	0.005	Chloritic alteration	4%	x
99.00	100.00	1.00	261614	0.006	Chloritic alteration	1%	x
100.00	101.00	1.00	261615	0.005	Chloritic alteration	4%	x

101.00	102.00	1.00	261616	0.005	Chloritic alteration	2%	x
102.00	103.00	1.00	261617	0.005	Chloritic alteration	2%	x
103.00	104.00	1.00	261618	0.009	Chloritic alteration	2%	x
104.00	105.00	1.00	261619	0.043	Chloritic alteration	5%	x
105.00	106.00	1.00	261620	0.060	Chloritic alteration	2%	x
106.00	107.00	1.00	261621	0.005	Chloritic alteration	2%	x
107.00	108.00	1.00	261622	0.005	Chloritic alteration	2%	x
108.00	109.00	1.00	261623	0.005	Chloritic alteration	2%	x
109.00	110.00	1.00	261625	0.005	Chloritic alteration	2%	x
110.00	111.00	1.00	261626	0.005	Chloritic alteration	4%	x
111.00	112.00	1.00	261627	0.005	Chloritic alteration	2%	x
112.00	113.00	1.00	261628	0.005	Chloritic alteration	2%	x
113.00	114.00	1.00	261629	0.005	Chloritic alteration	4%	x
114.00	115.00	1.00	261631	0.005	Chloritic alteration	2%	x
115.00	116.00	1.00	261632	0.005	Chloritic alteration	2%	x
116.00	117.00	1.00	261633	0.005	Chloritic alteration	16%	x
117.00	118.00	1.00	261634	0.005	Chloritic alteration	2%	x
118.00	119.00	1.00	261635	0.005	Chloritic alteration	2%	x
119.00	120.00	1.00	261637	0.007	Chloritic alteration	2%	x
120.00	121.00	1.00	261638	0.021	Chloritic alteration	7%	x
121.00	122.00	1.00	261639	0.005	Chloritic alteration	2%	x
122.00	123.00	1.00	261640	0.005	Chloritic alteration	4%	x
123.00	124.00	1.00	261641	0.005	Chloritic alteration	8%	x
124.00	125.00	1.00	261642	0.005	Chloritic alteration	4%	x
125.00	126.00	1.00	261643	0.049	Chloritic alteration	8%	x
126.00	127.00	1.00	261644	0.009	Chloritic alteration	50%	x
127.00	128.00	1.00	261645	0.014	Chloritic alteration	50%	x
128.00	129.00	1.00	261646	0.019	Chloritic alteration	10%	x
129.00	130.00	1.00	261647	0.049	Chloritic alteration	8%	x
130.00	131.00	1.00	261649	0.012	Chloritic alteration	3%	x
131.00	132.00	1.00	261651	0.065	Chloritic alteration	2%	x
132.00	133.00	1.00	261652	0.007	Chloritic alteration	2%	x
133.00	134.00	1.00	261653	0.009	Chloritic alteration	10%	x
134.00	135.00	1.00	261654	0.313	Chloritic alteration	2%	x
135.00	136.00	1.00	261655	1.384	Chloritic alteration	3%	x
136.00	137.00	1.00	261656	0.068	Chloritic alteration	3%	x
137.00	138.00	1.00	261657	0.094	Chloritic alteration	2%	x
138.00	139.00	1.00	261658	0.145	Chloritic alteration	14%	x
139.00	140.00	1.00	261659	0.147	Chloritic alteration	6%	x
140.00	141.00	1.00	261661	0.113	Chloritic alteration	2%	x
141.00	142.00	1.00	261662	0.350	Chloritic alteration	2%	x
142.00	143.00	1.00	261663	2.132	Chloritic alteration	4%	x

143.00	144.00	1.00	261664	0.365	Chloritic alteration	3%	x
144.00	145.00	1.00	261665	1.245	Chloritic alteration	2%	x
145.00	146.00	1.00	261666	50.000	Chloritic alteration	14%	x
146.00	147.00	1.00	261668	0.014	Chloritic alteration	2%	x
147.00	148.00	1.00	261669	0.682	Chloritic alteration	3%	x
148.00	149.00	1.00	261671	0.108	Chloritic alteration	1%	x
149.00	150.00	1.00	261673	0.116	Chloritic alteration	2%	x
150.00	151.00	1.00	261674	0.091	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>151.00</b>	<b>152.00</b>		<b>Tonalite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
151.00	152.00	1.00	261675	0.029	Chloritic alteration	8%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>152.00</b>	<b>154.00</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
152.00	153.00	1.00	261676	0.005	Chloritic alteration	2%	x
153.00	154.00	1.00	261677	0.005	Chloritic alteration	3%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>154.00</b>	<b>155.00</b>		<b>Tonalite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
154.00	155.00	1.00	261678	0.007	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>155.00</b>	<b>160.00</b>		<b>Diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
155.00	156.00	1.00	261679	0.011	Chloritic alteration	3%	x
156.00	157.00	1.00	261680	0.017	Chloritic alteration	2%	x
157.00	158.00	1.00	261681	0.009	Chloritic alteration	2%	x
158.00	159.00	1.00	261682	0.006	Chloritic alteration	2%	x
159.00	160.00	1.00	261683	0.005	Chloritic alteration	3%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>160.00</b>	<b>162.00</b>		<b>Tonalite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
160.00	160.60	0.60	261685	0.024	Chloritic alteration	5%	x
160.60	162.00	1.40	261686	0.029	Silicified	4%	x
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>162.00</b>	<b>174.00</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
162.00	163.00	1.00	261687	0.016	Silicified	2%	x
163.00	164.00	1.00	261688	0.136	Silicified	2%	x
164.00	165.00	1.00	261689	0.026	Silicified	3%	x
165.00	166.00	1.00	261691	0.056	Silicified	2%	x

166.00	167.00	1.00	261692	0.038	Silicified	2%	x
167.00	168.00	1.00	261693	0.078	Silicified	2%	x
168.00	169.00	1.00	261694	0.052	Silicified	1%	x
169.00	170.00	1.00	261695	0.017	Silicified	2%	x
170.00	171.00	1.00	261697	0.021	Silicified	2%	x
171.00	172.00	1.00	261698	0.040	Silicified	1%	x
172.00	173.00	1.00	261699	0.031	Silicified	1%	x
173.00	174.00	1.00	261700	0.013	Silicified	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>174.00</b>	<b>178.00</b>	<b>Tonalite Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
174.00	175.00	1.00	261701	0.010	Silicified	1%	x
175.00	176.00	1.00	261702	0.041	Silicified	2%	x
176.00	177.00	1.00	261703	0.005	Silicified	4%	x
177.00	178.00	1.00	261704	0.021	Silicified	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>178.00</b>	<b>210.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
178.00	179.00	1.00	261705	0.007	Silicified	2%	x
179.00	180.00	1.00	261706	0.007	Silicified	3%	x
180.00	181.00	1.00	261707	0.011	Silicified	5%	x
181.00	182.00	1.00	261708	0.029	Silicified	5%	x
182.00	183.00	1.00	261709	0.031	Sericitic alteration	3%	x
183.00	184.00	1.00	261711	0.038	Silicified	1%	x
184.00	185.00	1.00	261713	0.036	Sericitic alteration	3%	x
185.00	186.00	1.00	261714	0.023	Sericitic alteration	4%	x
186.00	187.00	1.00	261715	0.024	Silicified	4%	x
187.00	188.00	1.00	261716	0.038	Silicified	2%	x
188.00	189.00	1.00	261717	0.011	Silicified	12%	x
189.00	190.00	1.00	261718	0.011	Silicified	2%	x
190.00	191.00	1.00	261719	0.015	Silicified	6%	x
191.00	192.00	1.00	261720	0.012	Silicified	1%	x
192.00	193.00	1.00	261721	0.015	Silicified	1%	x
193.00	194.00	1.00	261722	0.016	Sericitic alteration	2%	x
194.00	195.00	1.00	261723	0.014	Silicified	2%	x
195.00	196.00	1.00	261725	0.014	Silicified	5%	x
196.00	197.00	1.00	261726	0.021	Silicified	2%	x
197.00	198.00	1.00	261727	0.023	Silicified	2%	x
198.00	199.00	1.00	261728	0.034	Silicified	2%	x
199.00	200.00	1.00	261729	0.058	Silicified	2%	x
200.00	201.00	1.00	261731	0.028	Silicified	4%	x
201.00	202.00	1.00	261732	0.030	Silicified	3%	x

202.00	203.00	1.00	261733	0.028	Sericitic alteration	5%	x
203.00	204.00	1.00	261734	0.012	Silicified	1%	x
204.00	205.00	1.00	261735	0.024	Silicified	4%	x
205.00	206.00	1.00	261737	0.034	Silicified	8%	x
206.00	206.60	0.60	261738	0.028	Sericitic alteration	5%	x
206.60	207.70	1.10	261739	0.035	Sericitic alteration	30%	x
207.70	209.00	1.30	261740	0.055	Sericitic alteration	4%	x
209.00	210.00	1.00	261741	0.065	Sericitic alteration	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>210.00</b>	<b>213.00</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
210.00	211.00	1.00	261742	0.048	Sericitic alteration	5%	x
211.00	212.00	1.00	261743	0.042	Sericitic alteration	5%	x
212.00	213.00	1.00	261744	0.112	Sericitic alteration	4%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>213.00</b>	<b>213.90</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
213.00	213.90	0.90	261745	0.241	Sericitic alteration	5%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>213.90</b>	<b>214.60</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
213.90	214.60	0.70	261746	0.013	Biotitic alteration	4%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>214.60</b>	<b>247.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
214.60	216.00	1.40	261747	0.151	Sericitic alteration	6%	x
216.00	217.00	1.00	261749	0.153	Sericitic alteration	5%	x
217.00	218.00	1.00	261751	0.050	Silicified	4%	x
218.00	219.00	1.00	261752	0.011	Sericitic alteration	3%	x
219.00	220.00	1.00	261753	0.005	Silicified	5%	x
220.00	221.00	1.00	261754	0.005	Silicified	9%	x
221.00	222.00	1.00	261755	0.015	Silicified	3%	x
222.00	223.00	1.00	261756	0.008	Silicified	3%	x
223.00	224.00	1.00	261757	0.049	Silicified	4%	x
224.00	225.00	1.00	261758	0.027	Silicified	12%	x
225.00	226.00	1.00	261759	0.051	Silicified	3%	x
226.00	227.00	1.00	261761	0.005	Silicified	3%	x
227.00	228.00	1.00	261762	0.032	Silicified	6%	x
228.00	229.00	1.00	261763	0.020	Silicified	3%	x
229.00	230.00	1.00	261764	0.005	Silicified	3%	x
230.00	231.00	1.00	261765	0.005	Silicified	3%	x
231.00	232.00	1.00	261766	0.005	Silicified	1%	x



232.00	233.00	1.00	261767	0.005	Silicified	2%	x
233.00	234.00	1.00	261768	0.015	Silicified	2%	x
234.00	235.00	1.00	261769	0.015	Silicified	1%	x
235.00	236.00	1.00	261771	0.005	Silicified	1%	x
236.00	237.00	1.00	261773	0.005	Silicified	1%	x
237.00	238.00	1.00	261774	0.009	Sericitic alteration	6%	x
238.00	239.00	1.00	261775	0.017	Sericitic alteration	2%	x
239.00	240.00	1.00	261776	0.015	Sericitic alteration	2%	x
240.00	241.00	1.00	261777	0.028	Silicified	1%	x
241.00	242.00	1.00	261778	0.023	Silicified	1%	x
242.00	243.00	1.00	261779	0.015	Silicified	1%	x
243.00	244.00	1.00	261780	0.006	Silicified	2%	x
244.00	245.00	1.00	261781	0.032	Silicified	1%	x
245.00	246.00	1.00	261782	0.072	Silicified	2%	x
246.00	247.00	1.00	261783	0.055	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>247.00</b>	<b>250.00</b>	<b>Hydrothermal Breccia</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
247.00	248.00	1.00	261785	0.301	Silicified	4%	x
248.00	249.00	1.00	261786	0.101	Silicified	4%	x
249.00	250.00	1.00	261787	0.176	Silicified	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>250.00</b>	<b>281.00</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
250.00	251.00	1.00	261788	1.117	Silicified	1%	x
251.00	252.00	1.00	261789	0.123	Silicified	1%	x
252.00	253.00	1.00	261791	0.091	Silicified	1%	x
253.00	254.00	1.00	261792	0.024	Silicified	1%	x
254.00	255.00	1.00	261793	0.015	Silicified	2%	x
255.00	256.00	1.00	261794	0.010	Silicified	5%	x
256.00	257.00	1.00	261795	0.006	Silicified	5%	x
257.00	258.00	1.00	261797	0.005	Silicified	2%	x
258.00	259.00	1.00	261798	0.012	Silicified	12%	x
259.00	260.00	1.00	261799	0.005	Silicified	8%	x
260.00	261.00	1.00	261800	0.005	Silicified	1%	x
261.00	262.00	1.00	261801	0.005	Silicified	1%	x
262.00	263.00	1.00	261802	0.005	Silicified	1%	x
263.00	264.00	1.00	261803	0.005	Silicified	4%	x
264.00	265.00	1.00	261804	0.007	Silicified	1%	x
265.00	266.00	1.00	261805	0.018	Silicified	2%	x
266.00	267.00	1.00	261806	0.023	Silicified	2%	x
267.00	268.00	1.00	261807	0.047	Silicified	2%	x

268.00	269.00	1.00	261808	0.047	Silicified	1%	x
269.00	270.00	1.00	261809	0.055	Silicified	1%	x
270.00	271.00	1.00	261811	0.084	Silicified	1%	x
271.00	272.00	1.00	261813	0.036	Silicified	2%	x
272.00	273.00	1.00	261814	0.028	Silicified	2%	x
273.00	274.00	1.00	261815	0.046	Silicified	1%	x
274.00	275.00	1.00	261816	0.039	Silicified	2%	x
275.00	276.00	1.00	261817	0.073	Silicified	8%	x
276.00	277.00	1.00	261818	0.040	Silicified	2%	x
277.00	278.00	1.00	261819	0.197	Silicified	2%	x
278.00	279.50	1.50	261820	0.399	Biotitic alteration	2%	x
279.50	281.00	1.50	261821	0.282	Biotitic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>281.00</b>	<b>284.70</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
281.00	282.00	1.00	261822	0.032	Chloritic alteration	1%	x
282.00	283.00	1.00	261823	0.005	Chloritic alteration	1%	x
283.00	284.00	1.00	261825	0.005	Chloritic alteration	1%	x
284.00	284.70	0.70	261826	0.018	Chloritic alteration	1%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>284.70</b>	<b>287.60</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
284.70	286.00	1.30	261827	0.047	Silicified	2%	x
286.00	287.00	1.00	261828	0.260	Silicified	5%	x
287.00	287.60	0.60	261829	0.368	Sericitic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>287.60</b>	<b>288.90</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
287.60	288.90	1.30	261831	2.991	Biotitic alteration	30%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>288.90</b>	<b>289.90</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
288.90	289.90	1.00	261832	0.055	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>289.90</b>	<b>292.80</b>	<b>Diorite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
289.90	291.00	1.10	261833	0.006	Chloritic alteration	3%	x
291.00	292.00	1.00	261834	0.005	Chloritic alteration	2%	x
292.00	292.80	0.80	261835	0.005	Chloritic alteration	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>292.80</b>	<b>306.90</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
292.80	294.00	1.20	261837	0.005	Silicified	5%	x
294.00	295.00	1.00	261838	0.009	Silicified	1%	x
295.00	296.00	1.00	261839	0.030	Silicified	1%	x
296.00	297.00	1.00	261840	0.006	Silicified	1%	x
297.00	297.50	0.50	261841	0.005	Silicified	1%	x
297.50	298.00	0.50	261842	0.005	Silicified	1%	x
298.00	299.00	1.00	261843	0.005	Silicified	1%	x
299.00	300.00	1.00	261844	0.021	Silicified	1%	x
300.00	301.00	1.00	261845	0.015	Silicified	1%	x
301.00	302.00	1.00	261846	0.064	Biotitic alteration	1%	x
302.00	303.00	1.00	261847	0.021	Biotitic alteration	6%	x
303.00	304.00	1.00	261849	0.039	Biotitic alteration	3%	x
304.00	305.00	1.00	261851	0.005	Silicified	35%	x
305.00	306.00	1.00	261852	0.017	Silicified	2%	x
306.00	306.90	0.90	261853	0.070	Silicified	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>306.90</b>	<b>311.70</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
306.90	308.00	1.10	261854	0.005	Chloritic alteration	3%	x
308.00	309.00	1.00	261855	0.005	Chloritic alteration	3%	x
309.00	310.00	1.00	261856	0.005	Chloritic alteration	3%	x
310.00	311.00	1.00	261857	0.005	Chloritic alteration	3%	x
311.00	311.70	0.70	261858	0.005	Chloritic alteration	6%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>311.70</b>	<b>318.10</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
311.70	313.00	1.30	261859	0.005	Sericitic alteration	3%	x
313.00	314.00	1.00	261861	0.008	Sericitic alteration	2%	x
314.00	315.00	1.00	261862	0.005	Sericitic alteration	2%	x
315.00	316.00	1.00	261863	0.005	Silicified	1%	x
316.00	317.00	1.00	261864	0.005	Silicified	1%	x
317.00	318.10	1.10	261865	0.005	Silicified	5%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>318.10</b>	<b>320.75</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
318.10	319.00	0.90	261866	0.005	Chloritic alteration	10%	x
319.00	320.00	1.00	261867	0.005	Chloritic alteration	7%	x small ton frgment
320.00	320.75	0.75	261868	0.005	Chloritic alteration	6%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>320.75</b>	<b>325.30</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
320.75	322.00	1.25	261869	0.012	Silicified	5%	x
322.00	323.00	1.00	261871	0.009	Silicified	25%	x
323.00	324.00	1.00	261873	0.013	Silicified	10%	x
324.00	325.30	1.30	261874	0.010	Chloritic alteration	2%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>325.30</b>	<b>326.90</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
325.30	326.00	0.70	261875	0.006	Chloritic alteration	4%	x
326.00	326.90	0.90	261876	0.028	Chloritic alteration	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>326.90</b>	<b>329.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
326.90	328.00	1.10	261877	0.007	Silicified	5%	x
328.00	329.00	1.00	261878	0.008	Silicified	6%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>329.00</b>	<b>331.30</b>	<b>Mafic Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
329.00	330.00	1.00	261879	0.008	Chloritic alteration	8%	x
330.00	331.30	1.30	261880	0.005	Chloritic alteration	4%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>331.30</b>	<b>337.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
331.30	332.00	0.70	261881	0.010	Silicified	2%	x
332.00	333.00	1.00	261882	0.011	Silicified	3%	x
333.00	334.00	1.00	261883	0.005	Silicified	6%	x
334.00	335.00	1.00	261885	0.005	Silicified	15%	x
335.00	336.00	1.00	261886	0.005	Silicified	8%	x
336.00	337.00	1.00	261887	0.006	Silicified	8%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>337.00</b>	<b>338.40</b>	<b>Lamprophyre Dyke</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
337.00	338.40	1.40	261888	0.005	Chloritic alteration	12%	x
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>338.40</b>	<b>359.30</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
338.40	339.00	0.60	261889	0.005	Silicified	4%	x
339.00	340.00	1.00	261891	0.005	Silicified	4%	x
340.00	341.00	1.00	261892	0.019	Silicified	2%	x

341.00	342.00	1.00	261893	0.027	Silicified	8%	x
342.00	343.00	1.00	261894	0.011	Sericitic alteration	4%	x
343.00	344.00	1.00	261895	0.009	Sericitic alteration	14%	x
344.00	345.00	1.00	261897	0.016	Silicified	14%	x
345.00	346.00	1.00	261898	0.016	Silicified	6%	x
346.00	347.00	1.00	261899	0.017	Silicified	2%	x
347.00	348.00	1.00	261900	0.005	Silicified	2%	x
348.00	349.00	1.00	261901	0.011	Silicified	2%	x
349.00	350.00	1.00	261902	0.013	Silicified	1%	x
350.00	351.00	1.00	261903	0.008	Silicified	1%	x
351.00	352.00	1.00	261904	0.005	Silicified	1%	x
352.00	353.00	1.00	261905	0.008	Silicified	1%	x
353.00	354.00	1.00	261906	0.045	Silicified	1%	x
354.00	355.00	1.00	261907	0.061	Silicified	1%	x
355.00	356.00	1.00	261908	0.065	Silicified	1%	x
356.00	357.00	1.00	261909	0.017	Silicified	3%	x
357.00	358.00	1.00	261911	0.128	Silicified	1%	x
358.00	359.30	1.30	261913	0.090	Silicified	2%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>359.30</b>	<b>361.85</b>	<b>Lamprophyre Dyke</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
359.30	360.00	0.70	261914	0.009	Chloritic alteration	3%	x
360.00	361.00	1.00	261915	0.015	Chloritic alteration	3%	x
361.00	361.85	0.85	261916	0.025	Chloritic alteration	3%	x

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>361.85</b>	<b>424.50</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
361.85	363.00	1.15	261917	0.236	Silicified	15%	x
363.00	364.00	1.00	261918	0.152	Sericitic alteration	2%	x
364.00	365.00	1.00	261919	0.762	Silicified	35%	x
365.00	366.00	1.00	261920	0.022	Silicified	5%	x
366.00	367.00	1.00	261921	0.071	Silicified	6%	x
367.00	368.00	1.00	261922	0.160	Silicified	2%	x
368.00	369.00	1.00	261923	0.193	Silicified	1%	x
369.00	370.00	1.00	261925	0.220	Silicified	2%	x
370.00	371.00	1.00	261926	0.048	Silicified	3%	x
371.00	372.00	1.00	261927	0.103	Silicified	2%	x
372.00	373.00	1.00	261928	0.094	Silicified	2%	x
373.00	374.00	1.00	261929	0.076	Silicified	2%	x
374.00	375.00	1.00	261931	0.054	Silicified	2%	x
375.00	376.00	1.00	261932	0.094	Silicified	4%	x
376.00	377.00	1.00	261933	0.011	Silicified	2%	x

377.00	378.00	1.00	261934	0.071	Silicified	3%	x
378.00	379.00	1.00	261935	0.009	Silicified	5%	x
379.00	380.00	1.00	261937	0.017	Silicified	2%	x
380.00	381.00	1.00	261938	0.048	Silicified	1%	x
381.00	382.00	1.00	261939	0.026	Silicified	10%	x
382.00	383.00	1.00	261940	0.018	Silicified	2%	x
383.00	384.00	1.00	261941	0.036	Silicified	3%	x
384.00	385.00	1.00	261942	0.038	Silicified	1%	x
385.00	386.00	1.00	261943	0.010	Silicified	10%	x
386.00	387.00	1.00	261944	0.008	Sericitic alteration	8%	x
387.00	388.00	1.00	261945	0.015	Sericitic alteration	14%	x
388.00	389.00	1.00	261946	0.081	Sericitic alteration	10%	x
389.00	390.00	1.00	261947	0.172	Sericitic alteration	3%	x
390.00	391.00	1.00	261949	0.038	Sericitic alteration	2%	x
391.00	392.00	1.00	261951	0.029	Sericitic alteration	3%	x
392.00	393.00	1.00	261952	0.014	Sericitic alteration	6%	x
393.00	394.00	1.00	261953	0.032	Sericitic alteration	2%	x
394.00	395.00	1.00	261954	0.124	Sericitic alteration	2%	x
395.00	396.00	1.00	261955	0.246	Sericitic alteration	4%	x
396.00	397.00	1.00	261956	0.220	Chloritic alteration	9%	x
397.00	398.00	1.00	261957	0.215	Sericitic alteration	4%	x
398.00	399.00	1.00	261958	0.124	Silicified	3%	x
399.00	400.00	1.00	261959	0.159	Silicified	3%	x
400.00	401.00	1.00	261961	0.226	Silicified	2%	x
401.00	402.00	1.00	261962	0.467	Silicified	4%	x
402.00	403.00	1.00	261963	0.576	Silicified	2%	x
403.00	404.00	1.00	261964	1.014	Silicified	6%	x
404.00	405.00	1.00	261965	0.512	Silicified	2%	x
405.00	406.00	1.00	261966	1.304	Silicified	2%	x
406.00	407.00	1.00	261967	0.286	Silicified	8%	x
407.00	408.00	1.00	261968	0.102	Silicified	2%	x
408.00	409.00	1.00	261969	0.014	Silicified	3%	x
409.00	410.00	1.00	261971	0.005	Silicified	1%	x
410.00	411.00	1.00	261973	0.015	Silicified	2%	x
411.00	412.00	1.00	261974	0.462	Silicified	10%	x
412.00	413.00	1.00	261975	0.061	Silicified	10%	x
413.00	414.00	1.00	261976	0.034	Silicified	6%	x
414.00	415.00	1.00	261977	0.092	Silicified	10%	x
415.00	416.00	1.00	261978	0.005	Silicified	6%	x
416.00	417.00	1.00	261979	0.120	Silicified	3%	x
417.00	418.00	1.00	261980	0.154	Silicified	2%	x
418.00	419.00	1.00	261981	0.238	Silicified	3%	x

419.00	420.00	1.00	261982	0.301	Silicified	3%	x
420.00	421.00	1.00	261983	0.288	Sericitic alteration	4%	x
421.00	422.00	1.00	261985	0.654	Sericitic alteration	10%	x
422.00	423.00	1.00	261986	2.287	Silicified	8%	x
423.00	424.00	1.00	261987	0.006	Silicified	3%	x
424.00	424.50	0.50	261988	0.012	Silicified	3%	x

# DRILL HOLE REPORT

Drill Hole **GOS20-62** Project **Gosselin** Cost Code **234**

Drilling Details:

Azimuth 330.0  
 Dip -60.0  
 Length 424.5 m  
 Started 01-Dec-20  
 Completed 08-Dec-20  
 Logged 11-Dec-20  
 Logged by Caitlin Beland

Company  
 Contractor Chenier Drilling  
 Position  
 Bore Size BQTK  
 Sample Storage Klondike Lodge  
 Casing STEEL  
 Condition Capped

Survey Details:

Claim Number PAT-11117  
 Property Chester  
 Township Chester  
 Spotted by  
 Surveyed by  
 Collar Orientation Reflex Single-shot Survey  
 Coord Survey Tool DGPS

Coordinates:

Target Easting 430673.32  
 Comments UTM Datum NAD83 Northing 5267300.38  
 UTM Zone 17 Elevation 401.35

Downhole Survey:

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence	Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
17.0	329.44	-59.77		RM	Good	53.0	332.16	-59.54		RM	Good
20.0	328.50	-60.24		RM	Good	56.0	331.78	-59.68		RM	Good
23.0	329.55	-59.77		RM	Good	59.0	331.96	-59.62		RM	Good
26.0	330.04	-59.91		RM	Good	62.0	332.10	-59.59		RM	Good
32.0	330.65	-59.80		RM	Good	65.0	331.77	-59.60		RM	Good
35.0	329.91	-60.03		RM	Good	68.0	332.13	-59.61		RM	Good
38.0	331.34	-59.73		RM	Good	71.0	332.44	-59.66		RM	Good
41.0	331.25	-59.82		RM	Good	74.0	331.97	-59.91		RM	Good
47.0	331.49	-59.77		RM	Good	77.0	331.74	-59.77		RM	Good
50.0	331.65	-59.76		RM	Good	80.0	332.58	-59.73		RM	Good



Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
83.0	332.92	-59.73		RM	Good
86.0	332.51	-59.69		RM	Good
89.0	332.89	-59.67		RM	Good
92.0	333.48	-59.60		RM	Good
95.0	333.31	-59.79		RM	Good
98.0	333.00	-59.63		RM	Good
101.0	332.25	-59.64		RM	Good
104.0	332.02	-59.48		RM	Good
107.0	332.64	-59.47		RM	Good
113.0	332.64	-59.43		RM	Good
116.0	332.54	-59.49		RM	Good
119.0	332.74	-59.60		RM	Good
122.0	333.35	-59.14		RM	Good
125.0	332.62	-59.64		RM	Good
128.0	332.24	-59.70		RM	Good
131.0	332.86	-59.73		RM	Good
134.0	332.72	-59.71		RM	Good
137.0	333.24	-59.74		RM	Good
140.0	333.05	-59.71		RM	Good
143.0	333.64	-59.73		RM	Good
146.0	333.64	-59.73		RM	Good
149.0	333.80	-59.66		RM	Good
152.0	333.83	-59.70		RM	Good
155.0	333.99	-59.68		RM	Good
158.0	334.06	-59.67		RM	Good
161.0	334.18	-59.67		RM	Good
164.0	334.38	-58.94		RM	Good
167.0	333.79	-59.78		RM	Good
170.0	333.55	-59.78		RM	Good
173.0	333.12	-59.82		RM	Good
176.0	333.18	-59.90		RM	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
179.0	333.72	-59.90		RM	Good
182.0	334.15	-59.94		RM	Good
185.0	334.55	-59.99		RM	Good
188.0	334.34	-60.03		RM	Good
191.0	334.41	-60.01		RM	Good
194.0	334.32	-60.01		RM	Good
197.0	334.40	-60.00		RM	Good
200.0	334.35	-60.00		RM	Good
203.0	334.49	-59.94		RM	Good
206.0	334.50	-59.94		RM	Good
209.0	334.41	-59.86		RM	Good
212.0	334.93	-59.98		RM	Good
215.0	334.35	-59.76		RM	Good
218.0	334.43	-59.75		RM	Good
221.0	334.71	-59.75		RM	Good
224.0	334.93	-59.75		RM	Good
227.0	334.85	-59.72		RM	Good
230.0	334.62	-59.70		RM	Good
233.0	334.94	-59.72		RM	Good
236.0	335.68	-59.74		RM	Good
239.0	336.11	-59.73		RM	Good
242.0	336.01	-59.78		RM	Good
245.0	336.17	-59.75		RM	Good
248.0	336.06	-59.72		RM	Good
251.0	336.25	-59.77		RM	Good
254.0	336.37	-59.73		RM	Good
257.0	336.48	-59.71		RM	Good
260.0	336.32	-59.72		RM	Good
263.0	336.46	-59.71		RM	Good
266.0	336.56	-59.69		RM	Good
269.0	336.55	-59.75		RM	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
272.0	336.88	-59.75		RM	Good
275.0	336.86	-59.73		RM	Good
278.0	336.97	-59.80		RM	Good
281.0	337.17	-59.83		RM	Good
284.0	337.08	-59.78		RM	Good
287.0	337.13	-59.76		RM	Good
290.0	337.39	-59.74		RM	Good
293.0	337.38	-59.70		RM	Good
296.0	337.39	-59.73		RM	Good
299.0	337.56	-59.71		RM	Good
302.0	337.66	-59.68		RM	Good
305.0	337.67	-59.65		RM	Good
308.0	337.71	-59.66		RM	Good
311.0	337.86	-59.60		RM	Good
314.0	337.89	-59.55		RM	Good
317.0	338.02	-59.53		RM	Good
320.0	338.16	-59.55		RM	Good
323.0	338.22	-59.55		RM	Good
326.0	338.21	-59.51		RM	Good
329.0	338.32	-59.50		RM	Good
332.0	338.33	-59.43		RM	Good
335.0	338.36	-59.37		RM	Good
338.0	338.41	-59.34		RM	Good
341.0	338.54	-59.24		RM	Good
344.0	338.46	-59.21		RM	Good
347.0	338.36	-59.05		RM	Good
350.0	338.36	-58.91		RM	Good
353.0	338.37	-58.94		RM	Good
356.0	338.36	-58.95		RM	Good
359.0	338.38	-58.92		RM	Good
362.0	338.41	-58.91		RM	Good

Distance	Azimuth	Dip	Magnetic Field	Tool	Confidence
365.0	338.37	-58.92		RM	Good
368.0	338.33	-58.93		RM	Good
371.0	338.46	-58.95		RM	Good
374.0	338.47	-58.95		RM	Good
377.0	338.52	-58.99		RM	Good
380.0	338.75	-59.13		RM	Good
383.0	338.84	-59.06		RM	Good
386.0	338.70	-59.07		RM	Good
389.0	338.74	-59.11		RM	Good
392.0	338.57	-59.14		RM	Good
395.0	339.57	-59.13		RM	Good
398.0	338.98	-59.19		RM	Good
401.0	339.23	-59.20		RM	Good
404.0	339.18	-59.20		RM	Good
407.0	339.50	-59.23		RM	Good
410.0	339.36	-59.27		RM	Good
413.0	339.31	-59.31		RM	Good
416.0	339.28	-59.32		RM	Good
419.0	339.65	-59.25		RM	Good
422.0	339.52	-59.30		RM	Good
424.5	339.60	-59.24		RM	Good

From 0.00	To 1.11	Lithologic Group Overburden					
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From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
0.00	1.11	1.11			Unaltered		

From 1.11	To 102.15	Lithologic Group Tonalite					
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From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
1.11	2.00	0.89	260501	0.111	Sericitic alteration	2%	
2.00	3.00	1.00	260502	0.054	Sericitic alteration	1%	
3.00	4.00	1.00	260503	0.062	Sericitic alteration	4%	
4.00	5.00	1.00	260504	0.082	Sericitic alteration	1%	
5.00	6.00	1.00	260505	0.017	Sericitic alteration	1%	
6.00	7.00	1.00	260506	0.005	Sericitic alteration	3%	
7.00	8.00	1.00	260507	0.027	Sericitic alteration	2%	
8.00	9.00	1.00	260508	0.047	Sericitic alteration	1%	
9.00	10.00	1.00	260509	0.005	Sericitic alteration	2%	
10.00	11.00	1.00	260511	0.005	Sericitic alteration	10%	
11.00	12.00	1.00	260513	0.008	Sericitic alteration	1%	
12.00	13.00	1.00	260514	0.017	Sericitic alteration	4%	
13.00	14.00	1.00	260515	0.018	Sericitic alteration	1%	
14.00	15.00	1.00	260516	0.023	Sericitic alteration	2%	
15.00	16.00	1.00	260517	0.005	Sericitic alteration	4%	
16.00	17.00	1.00	260518	0.005	Sericitic alteration	2%	
17.00	18.00	1.00	260519	0.307	Sericitic alteration	2%	
18.00	19.00	1.00	260520	0.059	Sericitic alteration	1%	
19.00	20.00	1.00	260521	0.013	Sericitic alteration	2%	
20.00	21.00	1.00	260522	0.033	Sericitic alteration	1%	
21.00	22.00	1.00	260523	0.071	Sericitic alteration	2%	Mo
22.00	23.00	1.00	260525	18.000	Sericitic alteration	22%	
23.00	24.00	1.00	260527	0.011	Sericitic alteration	1%	
24.00	25.00	1.00	260528	0.013	Sericitic alteration	1%	
25.00	26.00	1.00	260529	0.020	Sericitic alteration	2%	
26.00	27.00	1.00	260531	0.017	Sericitic alteration	2%	
27.00	28.00	1.00	260532	0.009	Sericitic alteration	1%	
28.00	29.00	1.00	260533	0.067	Sericitic alteration	4%	
29.00	30.00	1.00	260534	0.081	Sericitic alteration	3%	
30.00	31.00	1.00	260535	0.024	Sericitic alteration	6%	
31.00	32.00	1.00	260537	0.073	Sericitic alteration	1%	

32.00	33.00	1.00	260538	0.260	Sericitic alteration	3%
33.00	33.95	0.95	260539	0.236	Sericitic alteration	1%
33.95	35.00	1.05	260540	0.113	Sericitic alteration	3%
35.00	36.00	1.00	260541	0.223	Sericitic alteration	1%
36.00	37.00	1.00	260542	0.090	Sericitic alteration	1%
37.00	38.00	1.00	260543	0.043	Sericitic alteration	1%
38.00	39.00	1.00	260544	0.067	Sericitic alteration	1%
39.00	40.00	1.00	260545	0.098	Sericitic alteration	2%
40.00	41.00	1.00	260546	0.037	Sericitic alteration	2%
41.00	42.00	1.00	260547	0.086	Sericitic alteration	1%
42.00	43.00	1.00	260549	0.006	Sericitic alteration	1%
43.00	44.00	1.00	260551	0.032	Sericitic alteration	1%
44.00	45.00	1.00	260552	0.011	Sericitic alteration	1%
45.00	46.00	1.00	260553	0.022	Sericitic alteration	1%
46.00	47.00	1.00	260554	0.008	Sericitic alteration	2%
47.00	48.00	1.00	260555	0.005	Sericitic alteration	1%
48.00	49.00	1.00	260556	0.100	Sericitic alteration	2%
49.00	50.00	1.00	260557	0.014	Sericitic alteration	3%
50.00	51.00	1.00	260558	0.036	Sericitic alteration	2%
51.00	52.00	1.00	260559	0.107	Sericitic alteration	1%
52.00	53.00	1.00	260561	0.047	Sericitic alteration	1%
53.00	54.00	1.00	260562	0.060	Sericitic alteration	2%
54.00	55.35	1.35	260563	0.728	Sericitic alteration	1%
55.35	56.00	0.65	260564	0.069	Silicified	1%
56.00	57.00	1.00	260565	0.034	Silicified	1%
57.00	57.70	0.70	260566	0.056	Silicified	1%
57.70	58.50	0.80	260567	0.257	Sericitic alteration	4%
58.50	60.00	1.50	260568	0.232	Silicified	1%
60.00	61.00	1.00	260569	0.088	Silicified	2%
61.00	62.00	1.00	260571	0.087	Silicified	1%
62.00	63.30	1.30	260573	0.108	Sericitic alteration	4%
63.30	64.00	0.70	260574	0.099	Silicified	6%
64.00	65.00	1.00	260575	0.094	Silicified	4%
65.00	66.00	1.00	260576	0.480	Silicified	3%
66.00	66.65	0.65	260577	0.031	Silicified	6%
66.65	68.10	1.45	260578	0.073	Silicified	7%
68.10	69.00	0.90	260579	0.186	Silicified	5%
69.00	70.10	1.10	260580	0.052	Silicified	7%
70.10	71.00	0.90	260581	0.005	Sericitic alteration	2%
71.00	72.00	1.00	260582	0.300	Sericitic alteration	3%
72.00	73.00	1.00	260583	0.335	Sericitic alteration	2%
73.00	74.50	1.50	260585	0.322	Silicified	1%

74.50	75.15	0.65	260586	0.057	Sericitic alteration	1%	
75.15	76.00	0.85	260587	0.315	Silicified	10%	
76.00	77.00	1.00	260588	0.490	Sericitic alteration	2%	
77.00	78.00	1.00	260589	2.514	Sericitic alteration	3%	
78.00	79.20	1.20	260591	0.338	Sericitic alteration	13%	
79.20	80.00	0.80	260592	0.065	Silicified	1%	
80.00	81.00	1.00	260593	0.093	Silicified	1%	
81.00	82.00	1.00	260594	0.192	Silicified	1%	
82.00	83.00	1.00	260595	0.290	Silicified	1%	
83.00	84.00	1.00	260597	0.302	Silicified	1%	
84.00	85.00	1.00	260598	0.329	Silicified	1%	
85.00	86.00	1.00	260599	0.134	Sericitic alteration	1%	possible telluride?
86.00	87.00	1.00	260600	0.148	Silicified	2%	
87.00	88.00	1.00	260601	0.186	Silicified	1%	
88.00	89.00	1.00	260602	0.087	Silicified	1%	
89.00	90.00	1.00	260603	1.607	Silicified	1%	
90.00	91.35	1.35	260604	0.266	Silicified	2%	
91.35	92.40	1.05	260605	0.174	Sericitic alteration	1%	
92.40	93.40	1.00	260606	2.305	Sericitic alteration	3%	
93.40	94.00	0.60	260607	0.188	Silicified	1%	
94.00	95.00	1.00	260608	0.092	Sericitic alteration	1%	
95.00	96.00	1.00	260609	0.142	Sericitic alteration	1%	
96.00	97.00	1.00	260611	0.131	Sericitic alteration	1%	
97.00	98.00	1.00	260613	0.036	Sericitic alteration	1%	
98.00	99.00	1.00	260614	0.076	Sericitic alteration	1%	
99.00	100.00	1.00	260615	0.099	Sericitic alteration	1%	
100.00	101.00	1.00	260616	0.018	Sericitic alteration	1%	
101.00	102.15	1.15	260617	0.068	Sericitic alteration	2%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>102.15</b>	<b>103.95</b>	<b>Mafic Dyke</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
102.15	103.00	0.85	260618	0.010	Chloritic alteration	1%	
103.00	103.95	0.95	260619	0.005	Chloritic alteration	1%	

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>	
<b>103.95</b>	<b>151.75</b>	<b>Tonalite</b>	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
103.95	105.00	1.05	260620	0.189	Silicified	1%	
105.00	106.00	1.00	260621	0.264	Silicified	2%	
106.00	107.00	1.00	260622	0.117	Silicified	1%	
107.00	108.00	1.00	260623	0.153	Silicified	1%	
108.00	109.00	1.00	260625	0.221	Silicified	2%	
109.00	110.00	1.00	260626	0.028	Sericitic alteration	2%	

110.00	111.00	1.00	260627	0.033	Sericitic alteration	1%	
111.00	112.00	1.00	260628	0.018	Sericitic alteration	3%	
112.00	112.70	0.70	260629	0.052	Sericitic alteration	1%	
112.70	113.30	0.60	260631	0.324	Sericitic alteration	1%	
113.30	113.85	0.55	260632	0.087	Sericitic alteration	1%	
113.85	114.75	0.90	260633	3.280	Sericitic alteration	3%	
114.75	116.00	1.25	260635	0.045	Silicified	1%	
116.00	117.00	1.00	260637	0.030	Silicified	1%	
117.00	118.00	1.00	260638	0.098	Silicified	3%	
118.00	118.95	0.95	260639	3.400	Silicified	2%	
118.95	120.17	1.22	260640	0.078	Chloritic alteration	4%	
120.17	121.30	1.13	260641	2.940	Sericitic alteration	5%	
121.30	122.00	0.70	260642	0.035	Silicified	1%	
122.00	123.00	1.00	260643	0.128	Silicified	3%	
123.00	124.00	1.00	260644	0.169	Silicified	2%	
124.00	125.00	1.00	260645	0.065	Silicified	3%	
125.00	126.00	1.00	260646	0.089	Silicified	1%	
126.00	127.00	1.00	260647	0.359	Silicified	1%	
127.00	128.15	1.15	260649	0.019	Silicified	3%	
128.15	129.00	0.85	260651	0.058	Silicified	1%	
129.00	130.00	1.00	260652	0.029	Silicified	1%	
130.00	131.00	1.00	260653	0.041	Sericitic alteration	1%	
131.00	132.00	1.00	260654	0.068	Silicified	1%	
132.00	133.00	1.00	260655	0.054	Silicified	2%	
133.00	134.00	1.00	260656	0.026	Sericitic alteration	3%	
134.00	135.00	1.00	260657	0.007	Silicified	1%	
135.00	136.00	1.00	260658	0.035	Chloritic alteration	1%	
136.00	137.00	1.00	260659	0.007	Sericitic alteration	1%	
137.00	138.00	1.00	260661	0.012	Sericitic alteration	1%	
138.00	139.00	1.00	260662	0.005	Sericitic alteration	1%	
139.00	140.00	1.00	260663	0.005	Sericitic alteration	1%	
140.00	141.00	1.00	260664	0.011	Sericitic alteration	1%	
141.00	142.00	1.00	260665	0.005	Sericitic alteration	2%	2 cm possible HdBx matrix?
142.00	143.00	1.00	260666	0.097	Sericitic alteration	1%	
143.00	144.00	1.00	260667	0.005	Sericitic alteration	1%	<5% cm scale DR clasts
144.00	145.25	1.25	260668	0.795	Sericitic alteration	6%	<5% cm scale DR clasts
145.25	146.00	0.75	260669	0.023	Sericitic alteration	1%	<5% cm scale DR clasts
146.00	147.00	1.00	260671	0.017	Sericitic alteration	1%	
147.00	148.35	1.35	260673	0.008	Sericitic alteration	2%	
148.35	148.95	0.60	260674	0.059	Sericitic alteration	7%	
148.95	150.00	1.05	260675	0.014	Sericitic alteration	5%	
150.00	151.00	1.00	260676	0.136	Sericitic alteration	1%	

151.00	151.75	0.75	260677	0.009	Sericitic alteration	6%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>151.75</b>	<b>157.25</b>		<b>Hydrothermal Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
151.75	153.00	1.25	260678	0.202	Silicified	1%	
153.00	154.00	1.00	260679	0.063	Silicified	6%	weakly developed breccia
154.00	154.95	0.95	260680	0.126	Silicified	1%	crackle breccia
154.95	156.00	1.05	260681	0.255	Sericitic alteration	2%	crackle breccia
156.00	157.25	1.25	260682	0.166	Silicified	3%	crackle breccia, <5% cm scale DR clasts
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>157.25</b>	<b>177.20</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
157.25	158.00	0.75	260683	0.027	Chloritic alteration	1%	<5% cm scale DR clasts
158.00	159.00	1.00	260685	0.018	Sericitic alteration	1%	
159.00	160.00	1.00	260686	0.008	Sericitic alteration	4%	
160.00	161.00	1.00	260687	0.045	Sericitic alteration	12%	
161.00	162.00	1.00	260688	0.079	Sericitic alteration	1%	15% mafic dyke
162.00	163.00	1.00	260689	0.022	Sericitic alteration	1%	
163.00	164.00	1.00	260691	0.005	Chloritic alteration	1%	
164.00	165.00	1.00	260692	0.106	Sericitic alteration	1%	
165.00	166.00	1.00	260693	0.048	Sericitic alteration	3%	<5% cm scale DR clasts
166.00	167.00	1.00	260694	0.013	Sericitic alteration	2%	<5% cm scale DR clasts
167.00	168.00	1.00	260695	0.005	Sericitic alteration	2%	<5% cm scale DR clasts
168.00	169.00	1.00	260697	0.033	Sericitic alteration	12%	
169.00	170.00	1.00	260698	0.017	Sericitic alteration	1%	<5% cm scale DR clasts
170.00	171.00	1.00	260699	0.042	Sericitic alteration	6%	<5% cm scale DR clasts
171.00	172.00	1.00	260700	0.008	Sericitic alteration	9%	<5% cm scale DR clasts
172.00	173.00	1.00	260701	0.006	Sericitic alteration	1%	
173.00	174.00	1.00	260702	0.016	Chloritic alteration	1%	<5% cm scale DR clasts
174.00	175.00	1.00	260703	0.048	Sericitic alteration	3%	<5% cm scale DR clasts
175.00	176.00	1.00	260704	0.005	Chloritic alteration	1%	
176.00	177.20	1.20	260705	0.012	Chloritic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>177.20</b>	<b>177.70</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
177.20	177.70	0.50	260706	0.042	Chloritic alteration	1%	20% Ton (subparallel TCA)
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>177.70</b>	<b>180.00</b>		<b>Tonalite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
177.70	178.80	1.10	260707	0.033	Sericitic alteration	2%	
178.80	180.00	1.20	260708	0.027	Sericitic alteration	2%	20% DR (subparallel TCA)

<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>180.00</b>	<b>184.05</b>	<b>Diorite Breccia</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
180.00	181.00	1.00	260709	0.496	Sericitic alteration	3%	
181.00	182.00	1.00	260711	0.038	Chloritic alteration	1%	
182.00	183.00	1.00	260713	0.010	Sericitic alteration	2%	23 cm lamp
183.00	184.05	1.05	260714	0.090	Chloritic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>184.05</b>	<b>195.00</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
184.05	185.00	0.95	260715	0.018	Silicified	1%	<5% mm-cm scale DR clasts; 20 cm BC; minor vuggy qtz veins
185.00	186.00	1.00	260716	0.262	Sericitic alteration	10%	<5% mm-cm scale DR clasts; minor vuggy qtz veins; minor, late brecciation with chl infill;
186.00	187.00	1.00	260717	0.023	Silicified	1%	<5% mm-cm scale DR clasts
187.00	188.00	1.00	260718	0.164	Silicified	1%	<5% mm-cm scale DR clasts
188.00	189.00	1.00	260719	0.167	Chloritic alteration	2%	<5% mm-cm scale DR clasts
189.00	190.10	1.10	260720	0.596	Silicified	10%	<5% mm-cm scale DR clasts
190.10	191.00	0.90	260721	0.137	Silicified	1%	<5% mm-cm scale DR clasts
191.00	192.00	1.00	260722	0.190	Silicified	1%	<5% mm-cm scale DR clasts
192.00	193.05	1.05	260723	0.075	Sericitic alteration	3%	<5% mm-cm scale DR clasts
193.05	194.00	0.95	260725	0.022	Biotitic alteration	20%	<5% mm-cm scale DR clasts
194.00	195.00	1.00	260726	0.087	Sericitic alteration	2%	<5% mm-cm scale DR clasts
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>195.00</b>	<b>195.70</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
195.00	195.70	0.70	260727	0.246	Chloritic alteration	20%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>195.70</b>	<b>206.30</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
195.70	197.00	1.30	260728	0.093	Sericitic alteration	1%	<5% mm-cm scale DR clasts
197.00	198.00	1.00	260729	0.037	Sericitic alteration	4%	<5% mm-cm scale DR clasts
198.00	199.00	1.00	260731	0.080	Sericitic alteration	2%	<5% mm-cm scale DR clasts
199.00	200.00	1.00	260732	0.033	Sericitic alteration	1%	<5% mm-cm scale DR clasts
200.00	201.00	1.00	260733	0.178	Sericitic alteration	5%	<5% mm-cm scale DR clasts
201.00	202.00	1.00	260734	0.090	Sericitic alteration	3%	<5% mm-cm scale DR clasts
202.00	203.00	1.00	260735	0.024	Silicified	3%	<5% mm-cm scale DR clasts
203.00	204.00	1.00	260737	0.018	Silicified	1%	<5% mm-cm scale DR clasts
204.00	205.00	1.00	260738	0.168	Silicified	1%	<5% mm-cm scale DR clasts
205.00	206.30	1.30	260739	0.060	Silicified	3%	<5% mm-cm scale DR clasts



From 206.30	To 270.00	Lithologic Group					
		Diorite					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
206.30	207.00	0.70	260740	11.700	Chloritic alteration	50%	
207.00	208.00	1.00	260741	2.950	Chloritic alteration	2%	
208.00	209.00	1.00	260742	2.876	Chloritic alteration	1%	
209.00	210.00	1.00	260743	0.049	Chloritic alteration	5%	
210.00	211.00	1.00	260744	0.005	Chloritic alteration	3%	
211.00	212.00	1.00	260745	0.005	Chloritic alteration	2%	
212.00	213.00	1.00	260746	0.020	Chloritic alteration	1%	
213.00	214.00	1.00	260747	0.005	Chloritic alteration	1%	
214.00	215.00	1.00	260749	0.005	Chloritic alteration	1%	
215.00	216.00	1.00	260751	0.722	Chloritic alteration	5%	
216.00	217.00	1.00	260752	0.248	Biotitic alteration	8%	
217.00	218.00	1.00	260753	1.713	Chloritic alteration	5%	
218.00	219.00	1.00	260754	1.020	Chloritic alteration	5%	
219.00	220.00	1.00	260755	0.240	Chloritic alteration	6%	
220.00	221.00	1.00	260756	0.321	Biotitic alteration	10%	
221.00	222.05	1.05	260757	29.100	Biotitic alteration	35%	28 cm sheeted vein containing 20+ specks of VG, some PO
222.05	223.05	1.00	260759	0.530	Biotitic alteration	35%	22 cm vein with qtz frags in massive PO matrix
223.05	224.00	0.95	260761	0.134	Chloritic alteration	4%	
224.00	225.00	1.00	260762	0.021	Chloritic alteration	3%	
225.00	225.55	0.55	260763	3.440	Biotitic alteration	10%	
225.55	226.05	0.50	260764	0.341	Chloritic alteration	2%	leucodiorite
226.05	227.00	0.95	260765	0.011	Chloritic alteration	1%	
227.00	228.00	1.00	260766	0.005	Chloritic alteration	1%	
228.00	229.10	1.10	260767	2.910	Chloritic alteration	50%	2x VN02 subparallel TCA
229.10	230.00	0.90	260768	0.007	Chloritic alteration	1%	
230.00	231.05	1.05	260769	0.008	Chloritic alteration	1%	
231.05	232.00	0.95	260771	0.005	Chloritic alteration	2%	
232.00	233.00	1.00	260773	0.232	Chloritic alteration	0%	
233.00	234.00	1.00	260774	0.131	Chloritic alteration	1%	
234.00	235.00	1.00	260775	0.077	Chloritic alteration	0%	
235.00	236.00	1.00	260776	0.015	Chloritic alteration	1%	
236.00	237.00	1.00	260777	0.027	Chloritic alteration	1%	
237.00	238.00	1.00	260778	0.006	Chloritic alteration	0%	
238.00	239.15	1.15	260779	0.021	Chloritic alteration	0%	
239.15	240.00	0.85	260780	0.084	Chloritic alteration	0%	
240.00	240.80	0.80	260781	0.018	Chloritic alteration	0%	weak compositional layering (mafic bands and feldspar bands)
240.80	241.75	0.95	260782	0.073	Chloritic alteration	5%	leucodiorite

241.75	242.70	0.95	260783	1.618	Chloritic alteration	2%	leucodiorite
242.70	244.00	1.30	260785	0.142	Chloritic alteration	1%	
244.00	245.00	1.00	260786	0.143	Chloritic alteration	2%	
245.00	246.00	1.00	260787	0.027	Chloritic alteration	1%	
246.00	247.00	1.00	260788	0.230	Chloritic alteration	2%	
247.00	248.00	1.00	260789	0.442	Chloritic alteration	1%	
248.00	248.80	0.80	260791	1.266	Chloritic alteration	2%	
248.80	249.60	0.80	260792	4.550	Chloritic alteration	30%	
249.60	251.00	1.40	260793	0.261	Chloritic alteration	1%	
251.00	252.00	1.00	260794	0.492	Chloritic alteration	1%	
252.00	253.00	1.00	260795	0.376	Chloritic alteration	1%	
253.00	254.00	1.00	260797	0.346	Chloritic alteration	1%	
254.00	255.00	1.00	260798	0.029	Chloritic alteration	0%	
255.00	256.00	1.00	260799	0.064	Chloritic alteration	1%	
256.00	257.00	1.00	260800	0.092	Chloritic alteration	1%	
257.00	258.00	1.00	260801	0.333	Chloritic alteration	6%	
258.00	259.00	1.00	260802	0.097	Chloritic alteration	5%	
259.00	260.00	1.00	260803	0.025	Chloritic alteration	1%	
260.00	261.00	1.00	260804	0.025	Chloritic alteration	1%	
261.00	262.00	1.00	260805	0.061	Chloritic alteration	1%	
262.00	263.05	1.05	260806	0.444	Chloritic alteration	2%	
263.05	264.00	0.95	260807	0.115	Chloritic alteration	2%	
264.00	265.00	1.00	260808	0.049	Chloritic alteration	1%	
265.00	266.00	1.00	260809	0.902	Chloritic alteration	2%	
266.00	267.00	1.00	260811	0.375	Chloritic alteration	1%	
267.00	268.00	1.00	260813	0.909	Chloritic alteration	1%	Justin logging
268.00	269.00	1.00	260814	0.467	Chloritic alteration	2%	
269.00	270.00	1.00	260815	0.921	Chloritic alteration	3%	

From	To	Lithologic Group	
270.00	284.72	Tonalite	

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
270.00	271.00	1.00	260816	1.075	Sericitic alteration	5%	Medium grained, equigranular, intensely fractured, light grey
271.00	272.00	1.00	260817	1.063	Sericitic alteration	3%	
272.00	272.65	0.65	260818	0.618	Sericitic alteration	3%	
272.65	274.00	1.35	260819	1.339	Sericitic alteration	6%	
274.00	275.00	1.00	260820	1.992	Sericitic alteration	4%	
275.00	276.00	1.00	260821	1.634	Sericitic alteration	2%	
276.00	277.00	1.00	260822	0.720	Sericitic alteration	1%	
277.00	277.82	0.82	260823	1.724	Sericitic alteration	3%	
277.82	278.90	1.08	260825	1.392	Chloritic alteration	9%	Strong Chl/Bo alt halo
278.90	280.00	1.10	260826	1.146	Sericitic alteration	4%	
280.00	281.00	1.00	260827	0.518	Sericitic alteration	3%	

281.00	282.00	1.00	260828	0.397	Sericitic alteration	2%	
282.00	283.00	1.00	260829	0.293	Sericitic alteration	2%	
283.00	284.00	1.00	260831	0.938	Sericitic alteration	3%	
284.00	284.72	0.72	260832	1.362	Sericitic alteration	3%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>284.72</b>	<b>290.28</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
284.72	286.00	1.28	260833	2.522	Chloritic alteration	2%	dark grey, medium grained, equigranular, massive
286.00	287.00	1.00	260834	1.190	Chloritic alteration	3%	
287.00	288.00	1.00	260835	1.919	Chloritic alteration	3%	
288.00	289.00	1.00	260837	3.760	Chloritic alteration	2%	
289.00	290.28	1.28	260838	0.648	Chloritic alteration	2%	
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>290.28</b>	<b>295.00</b>		<b>Quartz Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
290.28	291.23	0.95	260839	0.025	Chloritic alteration	3%	70% matrix and 30% tonalite and Dr frags, sub angular, 2cm to 10 cm frags
291.23	292.00	0.77	260840	0.005	Chloritic alteration	1%	70% matrix and 30% Dr frags,
292.00	293.00	1.00	260841	0.005	Chloritic alteration	1%	95% matrix and 5% Dr frags
293.00	294.00	1.00	260842	0.130	Chloritic alteration	2%	95% matrix and 5% Dr frags
294.00	295.00	1.00	260843	0.081	Chloritic alteration	1%	80% matrix and 20% Dr frags
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>295.00</b>	<b>296.00</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
295.00	296.00	1.00	260844	0.376	Chloritic alteration	2%	medium grained, equigranular, massive, dark greenish grey
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>296.00</b>	<b>297.00</b>		<b>Quartz Diorite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
296.00	297.00	1.00	260845	0.124	Chloritic alteration	1%	95% matrix and 5% Dr frags
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>297.00</b>	<b>297.90</b>		<b>Quartz diorite</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
297.00	297.90	0.90	260846	0.200	Chloritic alteration	1%	medium grained, equigranular, massive, dark greenish grey
<b>From</b>	<b>To</b>		<b>Lithologic Group</b>				
<b>297.90</b>	<b>301.00</b>		<b>Tonalite Breccia</b>				
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
297.90	299.00	1.10	260847	0.315	Chloritic alteration	1%	70% tonalite matrix and 30% Dr frags
299.00	300.00	1.00	260849	0.076	Chloritic alteration	2%	80% tonalite matrix and 20% Dr frags

300.00	301.00	1.00	260851	0.260	Chloritic alteration	1%	90% tonalite matrix and 10% Dr frags
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<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>301.00</b>	<b>380.80</b>	<b>Tonalite</b>					

From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
301.00	301.78	0.78	260852	0.584	Sericitic alteration	5%	In-situe Breccia? Very intensely fractured.
301.78	302.73	0.95	260853	0.356	Sericitic alteration	20%	In-situe Breccia? Very intensely fractured.
302.73	304.00	1.27	260854	0.030	Sericitic alteration	4%	Medium grained, massive, light grey, equigranular
304.00	305.00	1.00	260855	0.032	Sericitic alteration	3%	x
305.00	306.00	1.00	260856	0.158	Sericitic alteration	1%	x
306.00	307.00	1.00	260857	0.019	Sericitic alteration	1%	x
307.00	308.00	1.00	260858	0.033	Sericitic alteration	1%	x
308.00	309.00	1.00	260859	0.047	Sericitic alteration	2%	x, light pinkish grey
309.00	310.00	1.00	260861	0.016	Sericitic alteration	2%	x
310.00	311.00	1.00	260862	0.028	Sericitic alteration	2%	x
311.00	312.00	1.00	260863	0.025	Sericitic alteration	2%	x
312.00	313.00	1.00	260864	0.032	Sericitic alteration	2%	x
313.00	314.00	1.00	260865	0.055	Sericitic alteration	1%	x
314.00	315.00	1.00	260866	0.005	Sericitic alteration	1%	x
315.00	316.00	1.00	260867	0.025	Sericitic alteration	2%	x
316.00	317.00	1.00	260868	0.133	Sericitic alteration	7%	x
317.00	318.00	1.00	260869	0.073	Sericitic alteration	2%	x
318.00	319.00	1.00	260871	0.053	Sericitic alteration	2%	x
319.00	320.00	1.00	260873	0.018	Sericitic alteration	1%	x
320.00	321.00	1.00	260874	0.079	Sericitic alteration	2%	x
321.00	322.00	1.00	260875	0.029	Sericitic alteration	2%	x
322.00	323.00	1.00	260876	0.007	Sericitic alteration	1%	x
323.00	324.50	1.50	260877	0.029	Sericitic alteration	3%	x
324.50	326.00	1.50	260878	0.239	Sericitic alteration	3%	x medium grey
326.00	327.00	1.00	260879	0.202	Sericitic alteration	2%	x
327.00	328.09	1.09	260880	0.127	Sericitic alteration	1%	x
328.09	329.00	0.91	260881	0.149	Sericitic alteration	2%	x
329.00	330.00	1.00	260882	0.429	Sericitic alteration	2%	x light pinkish grey
330.00	331.00	1.00	260883	0.048	Sericitic alteration	1%	x
331.00	332.00	1.00	260885	0.034	Sericitic alteration	6%	x
332.00	333.00	1.00	260886	0.123	Sericitic alteration	3%	x
333.00	334.00	1.00	260887	0.051	Sericitic alteration	2%	x
334.00	335.00	1.00	260888	0.027	Silicified	1%	x
335.00	336.00	1.00	260889	0.049	Silicified	2%	x
336.00	337.00	1.00	260891	0.102	Sericitic alteration	1%	
337.00	338.00	1.00	260892	0.219	Sericitic alteration	1%	

338.00	339.00	1.00	260893	0.053	Sericitic alteration	2%	
339.00	340.00	1.00	260894	0.183	Sericitic alteration	1%	
340.00	340.92	0.92	260895	0.059	Sericitic alteration	4%	
340.92	341.84	0.92	260897	0.017	Sericitic alteration	30%	
341.84	342.62	0.78	260898	0.009	Silicified	3%	
342.62	343.29	0.67	260899	0.084	Sericitic alteration	2%	medium grey, 35cm mafic dyke.
343.29	344.00	0.71	260900	0.081	Sericitic alteration	1%	
344.00	345.00	1.00	260901	0.295	Sericitic alteration	4%	
345.00	345.87	0.87	260902	0.050	Sericitic alteration	2%	
345.87	347.00	1.13	260903	0.019	Sericitic alteration	1%	pinkish grey
347.00	348.00	1.00	260904	0.029	Sericitic alteration	2%	
348.00	349.00	1.00	260905	0.029	Sericitic alteration	1%	
349.00	350.00	1.00	260906	0.152	Sericitic alteration	1%	
350.00	351.00	1.00	260907	0.005	Sericitic alteration	1%	
351.00	351.86	0.86	260908	0.684	Sericitic alteration	1%	
351.86	353.00	1.14	260909	0.149	Biotitic alteration	1%	medium grey
353.00	353.50	0.50	260911	0.041	Biotitic alteration	0%	
353.50	354.13	0.63	260913	0.010	Sericitic alteration	1%	light pinkish grey
354.13	355.42	1.29	260914	0.020	Sericitic alteration	1%	medium grey
355.42	356.00	0.58	260915	0.016	Sericitic alteration	1%	light pinkish grey
356.00	357.00	1.00	260916	0.006	Sericitic alteration	3%	
357.00	358.00	1.00	260917	0.095	Sericitic alteration	1%	
358.00	359.00	1.00	260918	0.020	Sericitic alteration	1%	
359.00	360.00	1.00	260919	0.082	Silicified	2%	
360.00	361.00	1.00	260920	0.029	Biotitic alteration	1%	
361.00	361.50	0.50	260921	0.011	Sericitic alteration	1%	
361.50	362.62	1.12	260922	0.407	Sericitic alteration	4%	medium grey
362.62	364.00	1.38	260923	0.025	Silicified	2%	18cm mafic dyke, light pinkish grey
364.00	365.00	1.00	260925	0.013	Biotitic alteration	1%	
365.00	366.00	1.00	260926	0.007	Sericitic alteration	38%	37cm mafic dyke and 28cm VN02
366.00	367.00	1.00	260927	0.007	Sericitic alteration	1%	
367.00	368.00	1.00	260928	0.005	Biotitic alteration	1%	
368.00	369.50	1.50	260929	0.005	Sericitic alteration	1%	
369.50	370.00	0.50	260931	0.026	Sericitic alteration	1%	
370.00	371.00	1.00	260932	0.112	Sericitic alteration	1%	
371.00	372.00	1.00	260933	0.035	Sericitic alteration	1%	
372.00	373.14	1.14	260934	0.007	Sericitic alteration	8%	
373.14	374.00	0.86	260935	0.011	Sericitic alteration	5%	
374.00	375.00	1.00	260937	0.046	Sericitic alteration	4%	
375.00	376.00	1.00	260938	0.045	Biotitic alteration	2%	
376.00	377.00	1.00	260939	0.022	Sericitic alteration	1%	

377.00	378.00	1.00	260940	0.016	Sericitic alteration	1%	
378.00	379.00	1.00	260941	0.013	Sericitic alteration	1%	
379.00	380.00	1.00	260942	0.039	Sericitic alteration	1%	
380.00	380.80	0.80	260943	0.005	Sericitic alteration	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>380.80</b>	<b>382.14</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
380.80	382.14	1.34	260944	0.016	Chloritic alteration	5%	fine grained, foliated, dark greenish grey, equigranular
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>382.14</b>	<b>390.95</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
382.14	383.00	0.86	260945	0.005	Sericitic alteration	1%	medium grained, massive, equigranular, light pinkish grey
383.00	384.00	1.00	260946	0.294	Sericitic alteration	1%	
384.00	385.00	1.00	260947	0.157	Sericitic alteration	3%	
385.00	386.00	1.00	260949	0.006	Sericitic alteration	1%	
386.00	387.00	1.00	260951	0.005	Sericitic alteration	2%	
387.00	388.00	1.00	260952	0.101	Sericitic alteration	1%	
388.00	389.00	1.00	260953	0.040	Sericitic alteration	2%	
389.00	390.00	1.00	260954	0.019	Sericitic alteration	2%	
390.00	390.95	0.95	260955	4.630	Sericitic alteration		
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>390.95</b>	<b>395.05</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
390.95	391.91	0.96	260956	0.007	Chloritic alteration	10%	medium grained, foliated, dark greenish grey, equigranular
391.91	393.00	1.09	260957	0.005	Hematitic alteration	15%	
393.00	394.00	1.00	260958	0.005	Chloritic alteration	10%	
394.00	395.05	1.05	260959	0.005	Chloritic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>395.05</b>	<b>408.12</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
395.05	396.00	0.95	260961	0.027	Sericitic alteration	1%	medium grained, massive, light pinkish grey, equigranular
396.00	397.00	1.00	260962	0.016	Sericitic alteration	1%	
397.00	398.00	1.00	260963	0.036	Sericitic alteration	1%	
398.00	399.00	1.00	260964	0.005	Sericitic alteration	1%	
399.00	400.00	1.00	260965	0.005	Sericitic alteration	1%	
400.00	401.00	1.00	260966	0.006	Sericitic alteration	1%	
401.00	401.66	0.66	260967	0.031	Sericitic alteration	1%	
401.66	403.00	1.34	260968	0.005	Chloritic alteration	4%	medium greenish grey
403.00	404.00	1.00	260969	0.777	Sericitic alteration	2%	

404.00	405.00	1.00	260971	0.055	Chloritic alteration	1%	
405.00	406.00	1.00	260973	0.051	Sericitic alteration	1%	
406.00	407.00	1.00	260974	0.087	Sericitic alteration	3%	light pinkish grey
407.00	408.12	1.12	260975	0.110	Sericitic alteration	7%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>408.12</b>	<b>413.50</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
408.12	409.00	0.88	260976	0.005	Chloritic alteration	0%	medium grained, dark greenish grey, foliated, equigranular
409.00	410.00	1.00	260977	0.013	Chloritic alteration	1%	
410.00	411.00	1.00	260978	0.041	Chloritic alteration	3%	
411.00	412.00	1.00	260979	0.006	Chloritic alteration	1%	
412.00	413.50	1.50	260980	0.025	Chloritic alteration	2%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>413.50</b>	<b>416.94</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
413.50	414.00	0.50	260981	0.141	Sericitic alteration	8%	medium grained, massive, light pinkish grey, equigranular
414.00	415.00	1.00	260982	0.005	Silicified	4%	
415.00	416.00	1.00	260983	0.005	Silicified	1%	
416.00	416.94	0.94	260985	0.008	Silicified	1%	
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>416.94</b>	<b>419.37</b>	<b>Diorite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
416.94	418.00	1.06	260986	0.016	Chloritic alteration	2%	medium grained, foliated, dark greenish grey, equigranular
418.00	419.37	1.37	260987	0.006	Chloritic alteration	6%	one tonalite fragment near lower LCT 3cm x 6cm
<b>From</b>	<b>To</b>	<b>Lithologic Group</b>					
<b>419.37</b>	<b>424.50</b>	<b>Tonalite</b>					
From	To	Interval	Sample	Au g/t	Alteration	%Veining	Comments
419.37	420.00	0.63	260988	0.024	Silicified	11%	medium grained, massive, light pinkish grey, equigranular
420.00	421.00	1.00	260989	0.007	Sericitic alteration	3%	
421.00	422.00	1.00	260991	0.009	Biotitic alteration	1%	
422.00	423.00	1.00	260992	0.014	Sericitic alteration	3%	
423.00	424.50	1.50	260993	0.005	Sericitic alteration	3%	EOH

Appendix B:  
Assay Certificates





Report No.: A19-15816
Report Date: 13-Dec-19
Date Submitted: 20-Nov-19
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

270 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Method, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A19-15816

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
811761	0.061								
811762	0.027								
811763	< 0.005								
811764	0.031								
811765	0.065								
811766	0.153								
811767	0.187								
811768	0.218								
811769	0.179								
811770	0.178								
811771	0.014								
811772	< 0.005								
811773	0.373								
811774	0.502								
811775	0.065								
811776	0.047								
811777	0.131								
811778	0.061								
811779	1.035								
811780	0.168								
811781	0.088								
811782	0.046								
811783	0.066								
811784	0.225								
811785	0.063								
811786	0.038								
811787	0.035								
811788	0.060								
811789	0.075								
811790	0.061								
811791	0.285								
811792	0.146								
811793	0.029								
811794	0.040								
811795	0.169								
811796	< 0.005								
811797	0.062								
811798	0.236								
811799	0.224								
811800	0.007								
811801	0.193								
811802	0.030								
811803	0.106								
811804	0.485								
811805	0.217								
811806	0.119								
811807	0.271								
811808	0.482								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
811809	0.184								
811810	0.188								
811811	0.252								
811812	0.694								
811813	0.135								
811814	0.136								
811815	0.069								
811816	0.092								
811817	0.205								
811818	0.006								
811819	0.225								
811820	0.253								
811821	0.472								
811822	0.380								
811823	0.278								
811824	< 0.005								
811825	0.110								
811826	0.132								
811827	0.668								
811828	0.092								
811829	0.169								
811830	0.136								
811831	0.406								
811832	0.322								
811833	0.232								
811834	0.423								
811835	0.086								
811836	0.480								
811837	0.311								
811838	0.401								
811839	0.228								
811840	0.167								
811841	0.167								
811842	0.307								
811843	0.187								
811844	0.157								
811845	0.135								
811846	0.335								
811847	3.997	5.13	9.83	3.91	4.04	4.04	21.05	1854.0	1875.0
811848	< 0.005								
811849	> 5.000	6.31	7.14	1.82	1.56	2.02	30.39	474.00	504.40
811850	2.216								
811851	1.684								
811852	1.233								
811853	0.377								
811854	< 0.005								
811855	1.035								
811856	0.987								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
811857	1.010								
811858	0.516								
811859	0.111								
811860	1.591								
811861	0.277								
811862	0.214								
811863	1.372								
811864	0.426								
811865	0.314								
811866	0.597								
811867	0.429								
811868	0.128								
811869	0.471								
811870	0.152								
811871	0.392								
811872	0.010								
811873	0.173								
811874	0.387								
811875	0.782								
811876	0.261								
811877	0.137								
811878	0.156								
811879	0.160								
811880	0.551								
811881	0.124								
811882	0.344								
811883	0.585								
811884	0.217								
811885	0.071								
811886	0.326								
811887	0.867								
811888	0.247								
811889	0.364								
811890	0.336								
811891	0.682								
811892	1.018								
811893	0.358								
811894	0.539								
811895	0.321								
811896	< 0.005								
811897	0.258								
811898	0.658								
811899	0.481								
811900	0.446								
811901	0.478								
811902	0.685								
811903	0.177								
811904	0.099								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
811905	0.785								
811906	1.221								
811907	2.075								
811908	0.219								
811909	0.277								
811910	0.821								
811911	0.332								
811912	0.686								
811913	3.172	3.09							
811914	0.718								
811915	> 5.000	5.94	89.2	5.06	6.09	7.23	28.75	1421.0	1449.8
811916	1.546								
811917	0.951								
811918	0.202								
811919	0.142								
811920	1.974								
811921	0.385								
811922	1.831								
811923	0.432								
811924	< 0.005								
811925	2.398								
811926	0.133								
811927	0.763								
811928	2.173								
811929	1.023								
811930	0.633								
811931	2.556								
811932	0.763								
811933	0.557								
811934	0.591								
811935	0.500								
811936	0.486								
811937	0.498								
811938	0.330								
811939	0.291								
811940	0.271								
811941	0.548								
811942	0.503								
811943	0.187								
811944	0.162								
811945	1.525								
811946	0.885								
811947	0.238								
811948	< 0.005								
811949	0.337								
811950	0.134								
811951	0.537								
811952	1.990								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
811953	0.588								
811954	0.221								
811955	0.459								
811956	1.994								
811957	0.437								
811958	0.694								
811959	2.692								
811960	1.670								
811961	1.669								
811962	1.781								
811963	> 5.000	7.80	52.5	10.1	9.50	12.4	29.89	454.00	483.89
811964	1.650								
811965	0.117								
811966	1.439								
811967	2.606								
811968	3.188	2.89							
811969	0.496								
811970	0.346								
811971	0.306								
811972	< 0.005								
811973	0.290								
811974	0.204								
811975	0.678								
811976	4.372	3.54							
811977	1.663								
811978	1.739								
811979	0.017								
811980	0.270								
811981	0.342								
811982	0.329								
811983	0.318								
811984	0.223								
811985	0.139								
811986	0.585								
811987	0.113								
811988	0.341								
811989	0.954								
811990	0.906								
811991	0.185								
811992	0.103								
811993	0.081								
811994	0.423								
811995	2.519								
811996	< 0.005								
811997	0.467								
811998	0.498								
811999	0.271								
812000	0.322								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1082001	0.005								
1082002	0.700								
1082003	0.455								
1082004	0.269								
1082005	0.132								
1082006	0.201								
1082007	0.323								
1082008	0.296								
1082009	0.069								
1082010	0.061								
1082011	0.138								
1082012	0.692								
1082013	0.105								
1082014	1.483								
1082015	0.094								
1082016	0.152								
1082017	0.027								
1082018	0.042								
1082019	0.096								
1082020	0.015								
1082021	0.273								
1082022	0.101								
1082023	0.743								
1082024	< 0.005								
1082025	0.262								
1082026	0.045								
1082027	0.109								
1082028	0.040								
1082029	0.060								
1082030	0.294								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
SN75 Meas		8.49							
SN75 Cert		8.67							
SN75 Meas		8.42							
SN75 Cert		8.67							
OREAS 254 Fire Assay Meas	2.460								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.616								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.521								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.553								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.594								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.601								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.561								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.564								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.556								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.585								
OREAS 254 Fire Assay Cert	2.55								
OREAS 217 (Fire Assay) Meas	0.322								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.352								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.329								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.330								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.336								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.347								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.329								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.359								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.328								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.329								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 257 Meas		14.1				13.8			
OREAS 257 Cert		14.18				14.18			
OREAS 257 Meas		14.3				14.3			
OREAS 257 Cert		14.18				14.18			
811770 Orig	0.158								
811770 Dup	0.199								
811780 Orig	0.167								
811780 Dup	0.169								
811790 Orig	0.064								
811790 Dup	0.058								
811810 Split Orig PREP DUP	0.188								
811810 Split PREP DUP	0.272								
811814 Orig	0.123								
811814 Dup	0.149								
811824 Orig	0.005								
811824 Dup	< 0.005								
811839 Orig	0.217								
811839 Dup	0.239								
811847 Orig			9.83	3.91	4.04	4.04	21.05	1854.0	1875.0
811849 Orig	> 5.000		7.14	1.82	1.56	2.02	30.39	474.00	504.40

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
811849 Dup	> 5.000								
811859 Orig	0.123								
811859 Dup	0.098								
811861 Split Orig PREP DUP	0.277								
811861 Split PREP DUP	0.317								
811873 Orig	0.176								
811873 Dup	0.170								
811893 Orig	0.340								
811893 Dup	0.376								
811908 Orig	0.261								
811908 Dup	0.176								
811910 Split Orig PREP DUP	0.821								
811910 Split PREP DUP	0.218								
811915 Orig			89.2	5.06	6.09	7.23	28.75	1421.0	1449.8
811927 Orig	0.753								
811927 Dup	0.774								
811942 Orig	0.497								
811942 Dup	0.510								
811952 Orig	2.073								
811952 Dup	1.907								
811961 Split Orig PREP DUP	1.669								
811961 Split PREP DUP	1.566								
811961 Orig	1.727								
811961 Dup	1.611								
811963 Orig			52.5	10.1	9.50	12.4	29.89	454.00	483.89
811976 Orig	3.952								
811976 Dup	4.793								
811996 Orig	< 0.005								
811996 Dup	< 0.005								
1082010 Split Orig PREP DUP	0.061								
1082010 Split PREP DUP	0.059								
1082010 Orig	0.060								
1082010 Dup	0.062								
1082020 Orig	0.013								
1082020 Dup	0.018								
1082030 Orig	0.324								
1082030 Dup	0.265								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank		< 0.02							
Method Blank		< 0.02							
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank						< 0.03			0.00000
Method Blank						< 0.03			0.00000
Method Blank		< 0.02							
Method Blank		< 0.02							
Method Blank	< 0.005								
Method Blank	0.005								
Method Blank						< 0.03			0.00000
Method Blank						< 0.03			0.00000



Report No.: A19-15931
Report Date: 06-Dec-19
Date Submitted: 22-Nov-19
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

138 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A19-15931

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1082031	0.043								
1082032	0.386								
1082033	0.076								
1082034	0.118								
1082035	0.164								
1082036	0.470								
1082037	0.095								
1082038	0.206								
1082039	1.031								
1082040	0.432								
1082041	0.220								
1082042	0.406								
1082043	0.008								
1082044	0.208								
1082045	0.315								
1082046	0.233								
1082047	0.377								
1082048	< 0.005								
1082049	0.235								
1082050	0.464								
1082051	0.276								
1082052	0.005								
1082053	0.079								
1082054	0.452								
1082055	0.504								
1082056	0.286								
1082057	0.072								
1082058	0.243								
1082059	0.062								
1082060	1.476								
1082061	0.073								
1082062	0.491								
1082063	0.148								
1082064	0.422								
1082065	0.611								
1082066	0.147								
1082067	0.568								
1082068	0.217								
1082069	0.438								
1082070	0.172								
1082071	0.105								
1082072	< 0.005								
1082073	0.743								
1082074	0.163								
1082075	0.161								
1082076	0.194								
1082077	0.234								
1082078	0.239								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1082079	0.634								
1082080	1.190								
1082081	0.726								
1082082	1.109								
1082083	0.159								
1082084	0.231								
1082085	0.149								
1082086	0.289								
1082087	0.729								
1082088	0.558								
1082089	0.175								
1082090	0.277								
1082091	1.752								
1082092	0.444								
1082093	0.900								
1082094	> 5.000	19.3	11.5	18.8	18.8	18.2	38.04	455.00	493.00
1082095	> 5.000	5.75	19.3	2.99	3.58	4.18	27.16	460.00	487.16
1082096	0.006								
1082097	> 5.000	15.4	8.17	17.0	16.3	15.9	40.87	453.00	493.87
1082098	2.940								
1082099	2.294								
1082100	3.582	3.59							
1082101	1.805								
1082102	1.441								
1082103	0.659								
1082104	1.436								
1082105	1.741								
1082106	2.890								
1082107	0.767								
1082108	0.418								
1082109	0.370								
1082110	0.455								
1082111	1.490								
1082112	0.723								
1082113	2.299								
1082114	0.836								
1082115	2.060								
1082116	1.542								
1082117	2.061								
1082118	1.634								
1082119	2.775								
1082120	0.794								
1082121	0.703								
1082122	2.173								
1082123	0.467								
1082124	0.005								
1082125	0.199								
1082126	0.013								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1082127	0.439								
1082128	0.926								
1082129	1.430								
1082130	1.320								
1082131	0.432								
1082132	0.180								
1082133	0.217								
1082134	0.667								
1082135	0.510								
1082136	0.473								
1082137	0.423								
1082138	0.281								
1082139	0.225								
1082140	0.457								
1082141	0.484								
1082142	2.634								
1082143	1.950								
1082144	> 5.000	9.29	123	7.28	8.22	17.4	40.83	446.00	486.83
1082145	> 5.000	6.63	15.7	1.72	2.06	3.01	38.25	433.00	471.25
1082146	0.252								
1082147	0.148								
1082148	< 0.005								
1082149	0.183								
1082150	0.286								
1082151	0.617								
1082152	0.367								
1082153	0.346								
1082154	0.125								
1082155	0.810								
1082156	0.465								
1082157	1.333								
1082158	0.213								
1082159	0.170								
1082160	1.447								
1082161	0.109								
1082162	0.021								
1082163	0.032								
1082164	0.417								
1082165	0.164								
1082166	0.640								
1082167	0.108								
1082168	0.128								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.93		
SN75 Cert		8.67		
SN75 Meas		8.99		
SN75 Cert		8.67		
OREAS 254 Fire Assay Meas	2.567			
OREAS 254 Fire Assay Cert	2.55			
OREAS 254 Fire Assay Meas	2.476			
OREAS 254 Fire Assay Cert	2.55			
OREAS 254 Fire Assay Meas	2.555			
OREAS 254 Fire Assay Cert	2.55			
OREAS 254 Fire Assay Meas	2.607			
OREAS 254 Fire Assay Cert	2.55			
OREAS 254 Fire Assay Meas	2.625			
OREAS 254 Fire Assay Cert	2.55			
OREAS 217 (Fire Assay) Meas	0.323			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.334			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.331			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.341			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.344			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 257 Meas			13.7	
OREAS 257 Cert			14.18	
1082040 Orig	0.441			
1082040 Dup	0.422			
1082050 Orig	0.448			
1082050 Dup	0.480			
1082061 Orig	0.075			
1082061 Dup	0.072			
1082075 Orig	0.181			
1082075 Dup	0.141			
1082080 Split	1.190			



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Orig PREP DUP				
1082080 Split PREP DUP	1.381			
1082085 Orig	0.134			
1082085 Dup	0.164			
1082094 Orig	> 5.000		18.2	493.00
1082094 Dup	> 5.000			
1082109 Orig	0.378			
1082109 Dup	0.363			
1082130 Split Orig PREP DUP	1.320			
1082130 Split PREP DUP	1.463			
1082145 Orig	> 5.000		3.01	471.25
1082145 Dup	> 5.000			
1082165 Orig	0.164			
1082165 Dup	0.164			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank			< 0.03	0.00000
Method Blank			< 0.03	0.00000



Report No.: A19-15281
Report Date: 28-Nov-19
Date Submitted: 08-Nov-19
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

290 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s), Test Name, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A19-15281

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Elitsa Hrischeva

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
811551	0.074								
811552	0.018								
811553	0.010								
811554	0.048								
811555	0.019								
811556	0.283								
811557	0.098								
811558	0.011								
811559	0.142								
811560	1.632								
811561	0.054								
811562	0.125								
811563	0.195								
811564	0.012								
811565	0.246								
811566	0.076								
811567	0.144								
811568	0.118								
811569	0.115								
811570	0.134								
811571	0.045								
811572	< 0.005								
811573	0.135								
811574	0.139								
811575	0.196								
811576	0.028								
811577	0.109								
811578	0.035								
811579	0.036								
811580	0.243								
811581	0.045								
811582	0.144								
811583	0.035								
811584	0.229								
811585	0.069								
811586	0.011								
811587	0.011								
811588	0.013								
811589	0.054								
811590	0.068								
811591	0.119								
811592	0.195								
811593	0.178								
811594	0.239								
811595	0.160								
811596	< 0.005								
811597	> 5.000	15.3	32.9	22.0	22.6	23.4	52.35	450.00	502.40
811598	0.026								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
811599	0.049								
811600	0.120								
811601	0.022								
811602	0.101								
811603	2.394								
811604	0.008								
811605	0.011								
811606	0.012								
811607	0.015								
811608	0.011								
811609	0.011								
811610	0.009								
811611	0.053								
811612	0.675								
811613	0.023								
811614	0.008								
811615	0.016								
811616	0.033								
811617	0.031								
811618	0.006								
811619	0.014								
811620	0.007								
811621	< 0.005								
811622	< 0.005								
811623	0.025								
811624	< 0.005								
811625	0.049								
811626	0.006								
811627	0.015								
811628	0.019								
811629	0.034								
811630	0.022								
811631	0.078								
811632	0.034								
811633	0.009								
811634	0.076								
811635	0.042								
811636	0.499								
811637	0.010								
811638	0.020								
811639	0.040								
811640	0.009								
811641	0.012								
811642	0.016								
811643	0.013								
811644	0.009								
811645	0.005								
811646	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
811647	0.012								
811648	< 0.005								
811649	0.006								
811650	0.009								
811651	0.020								
811652	0.006								
811653	0.005								
811654	0.014								
811655	0.101								
811656	0.062								
811657	0.026								
811658	0.009								
811659	< 0.005								
811660	1.579								
811661	< 0.005								
811662	0.006								
811663	0.006								
811664	0.017								
811665	0.006								
811666	0.005								
811667	0.103								
811668	< 0.005								
811669	< 0.005								
811670	< 0.005								
811671	< 0.005								
811672	< 0.005								
811673	0.062								
811674	0.007								
811675	0.011								
811676	0.054								
811677	0.016								
811678	0.336								
811679	0.073								
811680	0.020								
811681	0.057								
811682	0.036								
811683	0.017								
811684	0.223								
811685	0.009								
811686	0.052								
811687	< 0.005								
811688	0.005								
811689	0.007								
811690	0.008								
811691	< 0.005								
811692	0.040								
811693	1.032								
811694	0.026								

## Results

## Activation Laboratories Ltd.

Report: A19-15281

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
811695	0.100								
811696	< 0.005								
811697	0.019								
811698	0.071								
811699	0.277								
811700	0.217								
811701	0.050								
811702	0.028								
811703	0.173								
811704	0.212								
811705	0.034								
811706	0.011								
811707	0.007								
811708	0.005								
811709	0.008								
811710	0.009								
811711	0.020								
811712	0.714								
811713	0.024								
811714	0.009								
811715	0.024								
811716	0.017								
811717	0.015								
811718	0.011								
811719	0.016								
811720	0.048								
811721	0.006								
811722	0.019								
811723	0.018								
811724	< 0.005								
811725	0.005								
811726	0.046								
811727	0.057								
811728	0.005								
811729	0.026								
811730	0.049								
811731	0.078								
811732	0.080								
811733	0.036								
811734	0.010								
811735	0.008								
811736	0.493								
811737	0.008								
811738	0.012								
811739	0.030								
811740	< 0.005								
811741	< 0.005								
811742	0.073								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
811743	0.009								
811744	0.099								
811745	0.133								
811746	0.072								
811747	0.012								
811748	< 0.005								
811749	0.065								
811750	0.045								
811751	0.066								
811752	0.220								
811753	0.034								
811754	0.057								
811755	0.049								
811756	0.248								
811757	0.077								
811758	0.084								
811759	0.038								
811760	1.485								
810501	0.005								
810502	0.005								
810503	0.006								
810504	0.148								
810505	0.006								
810506	0.037								
810507	0.023								
810508	0.015								
810509	0.056								
810510	0.114								
810511	0.157								
810512	0.703								
810513	0.060								
810514	0.229								
810515	0.255								
810516	0.100								
810517	0.141								
810518	0.909								
810519	0.015								
810520	0.030								
810521	0.025								
810522	0.063								
810523	2.687								
810524	< 0.005								
810525	0.155								
810526	0.025								
810527	0.074								
810528	0.089								
810529	0.151								
810530	0.116								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
810531	0.038								
810532	0.030								
810533	0.516								
810534	0.032								
810535	0.052								
810536	0.482								
810537	0.119								
810538	0.073								
810539	0.019								
810540	0.140								
810541	0.164								
810542	0.076								
810543	0.020								
810544	0.426								
810545	0.049								
810546	0.035								
810547	0.086								
810548	< 0.005								
810549	0.051								
810550	0.062								
810551	0.217								
810552	0.066								
810553	0.049								
810554	0.018								
810555	0.010								
810556	0.080								
810557	2.180								
810558	0.093								
810559	0.020								
810560	0.811								
810561	1.779								
810562	0.010								
810563	1.070								
810564	0.022								
810565	0.300								
810566	0.050								
810567	0.112								
810568	0.178								
810569	0.126								
810570	0.268								
810571	0.051								
810572	< 0.005								
810573	0.044								
810574	1.685								
810575	0.041								
810576	2.717								
810577	0.032								
810578	0.029								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
810579	0.015								
810580	0.019								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
SN75 Meas		8.77							
SN75 Cert		8.67							
OREAS 254 Fire Assay Meas	2.426								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.665								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.581								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.442								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.532								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.556								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.681								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.597								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.616								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.583								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.555								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.493								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.536								
OREAS 254 Fire Assay Cert	2.55								
OREAS 217 (Fire	0.325								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Assay) Meas									
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.344								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.348								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.325								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.346								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.357								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.344								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.338								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.339								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.340								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.351								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.337								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 257 Meas		13.9				14.6			
OREAS 257 Cert		14.18				14.18			
811561 Orig	0.053								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
811561 Dup	0.056								
811580 Orig	0.264								
811580 Dup	0.222								
811595 Orig	0.159								
811595 Dup	0.161								
811597 Orig			32.9	22.0	22.6	23.4	52.35	450.00	502.40
811600 Split Orig PREP DUP	0.120								
811600 Split PREP DUP	0.105								
811604 Orig	0.007								
811604 Dup	0.009								
811614 Orig	0.008								
811614 Dup	0.008								
811629 Orig	0.045								
811629 Dup	0.023								
811639 Orig	0.051								
811639 Dup	0.029								
811649 Orig	0.005								
811649 Dup	0.007								
811650 Split Orig PREP DUP	0.009								
811650 Split PREP DUP	0.010								
811663 Orig	0.007								
811663 Dup	0.005								
811666 Orig	0.005								
811666 Dup	0.005								
811683 Orig	0.023								
811683 Dup	0.011								
811700 Split Orig PREP DUP	0.217								
811700 Split PREP DUP	0.204								
811707 Orig	0.008								
811707 Dup	0.005								
811717 Orig	0.016								
811717 Dup	0.015								
811732 Orig	0.094								
811732 Dup	0.067								
811742 Orig	0.080								
811742 Dup	0.067								
811750 Split Orig PREP DUP	0.045								
811750 Split PREP DUP	0.047								
811750 Orig	0.043								
811750 Dup	0.047								
811751 Orig	0.067								
811751 Dup	0.064								





Report No.: A19-15932
Report Date: 06-Dec-19
Date Submitted: 22-Nov-19
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

120 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2-Timmins (ppm) | QOP AA-Au (Au - Fire Assay AA) | 2019-12-05 09:22:15

REPORT A19-15932

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
810581	0.015
810582	0.018
810583	0.020
810584	0.216
810585	0.045
810586	0.052
810587	0.019
810588	0.023
810589	0.011
810590	0.010
810591	0.011
810592	0.011
810593	0.014
810594	0.010
810595	0.007
810596	0.005
810597	0.011
810598	0.013
810599	0.018
810600	0.014
810601	0.055
810602	0.021
810603	0.022
810604	0.020
810605	0.009
810606	0.017
810607	0.132
810608	0.138
810609	0.291
810610	0.124
810611	0.019
810612	0.676
810613	0.047
810614	0.009
810615	0.006
810616	0.016
810617	0.044
810618	0.074
810619	0.026
810620	0.108
810621	0.062
810622	0.111
810623	0.009
810624	0.005
810625	0.009
810626	0.011
810627	0.009
810628	0.036
810629	0.030
810630	0.027
810631	< 0.005

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
810632	0.026
810633	0.025
810634	0.021
810635	0.014
810636	0.457
810637	0.025
810638	0.036
810639	0.054
810640	0.101
810641	0.092
810642	0.463
810643	0.106
810644	0.265
810645	0.743
810646	0.160
810647	0.060
810648	< 0.005
810649	0.088
810650	0.126
810651	0.076
810652	0.109
810653	0.102
810654	0.271
810655	0.062
810656	0.048
810657	0.005
810658	0.008
810659	0.030
810660	1.581
810661	0.136
810662	0.027
810663	0.075
810664	0.058
810665	0.059
810666	0.026
810667	0.024
810668	0.014
810669	0.032
810670	0.014
810671	0.052
810672	< 0.005
810673	0.169
810674	0.086
810675	0.043
810676	0.059
810677	0.026
810678	0.006
810679	0.034
810680	0.051
810681	0.027
810682	0.061



Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
810683	0.017
810684	0.220
810685	0.095
810686	0.041
810687	0.020
810688	0.025
810689	0.027
810690	0.024
810691	0.040
810692	0.078
810693	0.091
810694	0.024
810695	0.018
810696	< 0.005
810697	0.045
810698	0.095
810699	0.019
810700	0.017

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
OREAS 254 Fire Assay Meas	2.525
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.510
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.536
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.523
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.568
OREAS 254 Fire Assay Cert	2.55
OREAS 217 (Fire Assay) Meas	0.345
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.328
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.321
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.323
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.325
OREAS 217 (Fire Assay) Cert	0.338
810590 Orig	0.011
810590 Dup	0.010
810600 Orig	0.015
810600 Dup	0.014
810610 Orig	0.123
810610 Dup	0.124
810625 Orig	0.009
810625 Dup	0.010
810630 Split Orig PREP DUP	0.027
810630 Split PREP DUP	0.028
810634 Orig	0.021
810634 Dup	0.020
810659 Orig	0.030
810659 Dup	0.029
810669 Orig	0.031

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
810669 Dup	0.033
810679 Orig	0.049
810679 Dup	0.019
810680 Split Orig PREP DUP	0.051
810680 Split PREP DUP	0.076
810693 Orig	0.095
810693 Dup	0.088
Method Blank	0.005
Method Blank	< 0.005
Method Blank	< 0.005
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Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005



IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

Report No.: A19-16100  
 Report Date: 11-Dec-19  
 Date Submitted: 26-Nov-19  
 Your Reference: 234

ATTN: Alan Smith

## CERTIFICATE OF ANALYSIS

110 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2019-12-09 12:07:52

REPORT **A19-16100**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
810701	0.035
810702	0.106
810703	0.029
810704	< 0.005
810705	0.019
810706	0.030
810707	0.067
810708	0.035
810709	0.282
810710	1.922
810711	0.743
810712	0.696
810713	0.033
810714	0.019
810715	0.023
810716	0.025
810717	0.028
810718	0.070
810719	0.014
810720	0.138
810721	0.075
810722	0.047
810723	0.070
810724	0.007
810725	0.064
810726	0.111
810727	0.070
810728	0.111
810729	0.479
810730	0.171
810731	0.066
810732	0.068
810733	0.159
810734	0.051
810735	0.041
810736	0.488
810737	0.106
810738	0.145
810739	0.054
810740	0.016
810741	0.016
810742	0.039
810743	0.045
810744	0.062
810745	0.089
810746	0.108
810747	0.107
810748	< 0.005
810749	0.017
810750	0.019
810751	0.029

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
810752	0.622
810753	0.071
810754	0.100
810755	0.135
810756	0.031
810757	0.239
810758	0.054
810759	0.468
810760	1.549
810761	0.131
810762	0.140
810763	0.060
810764	0.157
810765	0.025
810766	0.053
810767	0.072
810768	1.571
810769	1.023
810770	1.978
810771	0.119
810772	0.005
810773	1.939
810774	0.108
810775	0.687
810776	0.522
810777	0.128
810778	0.063
810779	0.577
810780	0.136
810781	0.210
810782	0.268
810783	0.133
810784	0.230
810785	0.137
810786	0.201
810787	< 0.005
810788	0.226
810789	0.533
810790	0.430
810791	0.154
810792	2.575
810793	0.216
810794	0.442
810795	0.150
810796	< 0.005
810797	0.178
810798	0.126
810799	0.175
810800	0.124
810801	0.081
810802	0.155

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
810803	0.124
810804	0.457
810805	1.340
810806	0.434
810807	0.246
810808	0.114
810809	0.245
810810	0.276

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
OREAS 254 Fire Assay Meas	2.508
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.610
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.513
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.639
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.500
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.574
OREAS 254 Fire Assay Cert	2.55
OREAS 217 (Fire Assay) Meas	0.338
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.342
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.338
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.337
OREAS 217 (Fire Assay) Cert	0.338
810708 Orig	0.032
810708 Dup	0.037
810718 Orig	0.065
810718 Dup	0.075
810728 Orig	0.121
810728 Dup	0.101
810743 Orig	0.045
810743 Dup	0.044
810750 Split Orig PREP DUP	0.019
810750 Split PREP DUP	0.019
810753 Orig	0.056
810753 Dup	0.085
810763 Orig	0.061
810763 Dup	0.059
810778 Orig	0.064



Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
810778 Dup	0.061
810788 Orig	0.243
810788 Dup	0.209
810800 Split Orig PREP DUP	0.124
810800 Split PREP DUP	0.135
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005



IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

Report No.: A19-16581  
 Report Date: 17-Dec-19  
 Date Submitted: 04-Dec-19  
 Your Reference: 234

ATTN: Alan Smith

**CERTIFICATE OF ANALYSIS**

370 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2019-12-16 13:49:00
1A3-50-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2019-12-17 11:22:34

REPORT A19-16581

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

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Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
810811	0.045	
810812	0.687	
810813	0.382	
810814	0.052	
810815	0.171	
810816	0.054	
810817	0.082	
810818	0.184	
810819	0.159	
810820	0.277	
810821	0.105	
810822	1.563	
810823	0.093	
810824	0.005	
810825	0.134	
810826	0.031	
810827	0.009	
810828	0.082	
810829	1.689	
810830	0.436	
810831	0.065	
810832	0.089	
810833	0.143	
810834	0.049	
810835	0.374	
810836	0.475	
810837	0.494	
810838	0.760	
810839	0.521	
810840	0.230	
810841	0.042	
810842	0.084	
810843	0.065	
810844	0.016	
810845	0.063	
810846	1.115	
810847	0.246	
810848	0.005	
810849	0.117	
810850	0.498	
810851	0.125	
810852	0.074	
810853	0.082	
810854	1.241	
810855	0.005	
810856	0.587	
810857	0.208	
810858	0.506	
810859	< 0.005	
810860	1.498	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
810861	0.558	
810862	0.139	
810863	0.156	
810864	1.277	
810865	0.387	
810866	0.296	
810867	1.101	
810868	1.754	
810869	0.619	
810870	0.680	
810871	0.124	
810872	< 0.005	
810873	0.099	
810874	0.538	
810875	0.517	
810876	0.987	
810877	0.567	
810878	0.277	
810879	0.531	
810880	0.678	
810881	0.511	
810882	0.289	
810883	1.503	
810884	0.218	
810885	0.213	
810886	0.522	
810887	1.871	
810888	0.239	
810889	0.738	
810890	0.654	
810891	0.094	
810892	0.284	
810893	0.412	
810894	0.470	
810895	0.254	
810896	< 0.005	
810897	0.089	
810898	0.514	
810899	0.822	
810900	0.422	
810901	1.569	
810902	0.244	
810903	0.333	
810904	0.238	
810905	0.320	
810906	0.677	
810907	0.471	
810908	0.631	
810909	1.908	
810910	1.373	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
810911	0.467	
810912	0.670	
810913	0.608	
810914	1.026	
810915	0.281	
810916	0.424	
810917	0.906	
810918	0.584	
810919	0.676	
810920	1.224	
810921	0.709	
810922	4.251	4.12
810923	0.770	
810924	0.006	
810925	4.127	3.92
810926	4.047	3.82
810927	0.510	
810928	0.562	
810929	0.270	
810930	0.705	
810931	0.774	
810932	0.334	
810933	1.042	
810934	1.396	
810935	1.645	
810936	0.461	
810937	0.197	
810938	0.326	
810939	1.627	
810940	0.252	
810941	0.632	
810942	0.827	
810943	0.178	
810944	0.712	
810945	0.452	
810946	0.303	
810947	0.681	
810948	0.005	
810949	0.286	
810950	0.281	
810951	0.614	
810952	0.219	
810953	0.927	
810954	0.063	
810955	0.409	
810956	0.661	
810957	0.194	
810958	0.405	
810959	0.367	
810960	1.500	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
810961	0.023	
810962	1.760	
810963	0.009	
810964	0.302	
810965	0.484	
810966	0.717	
810967	0.006	
810968	0.014	
810969	0.006	
810970	0.007	
1082321	0.048	
1082322	0.309	
1082323	0.058	
1082324	< 0.005	
1082325	0.034	
1082326	0.007	
1082327	0.130	
1082328	0.033	
1082329	0.006	
1082330	< 0.005	
1082331	0.031	
1082332	0.074	
1082333	0.060	
1082334	0.076	
1082335	0.066	
1082336	0.449	
1082337	0.033	
1082338	0.054	
1082339	0.046	
1082340	0.075	
1082341	0.079	
1082342	0.130	
1082343	0.070	
1082344	0.281	
1082345	0.052	
1082346	0.597	
1082347	0.187	
1082348	0.005	
1082349	0.386	
1082350	0.828	
1082351	0.226	
1082352	0.364	
1082353	0.165	
1082354	0.155	
1082355	0.029	
1082356	0.112	
1082357	0.239	
1082358	0.267	
1082359	0.124	
1082360	1.542	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1082361	0.502	
1082362	0.339	
1082363	0.075	
1082364	0.008	
1082365	0.329	
1082366	0.341	
1082367	1.121	
1082368	0.339	
1082369	0.275	
1082370	0.302	
1082371	0.293	
1082372	< 0.005	
1082373	0.624	
1082374	1.322	
1082375	0.972	
1082376	1.649	
1082377	1.024	
1082378	1.036	
1082379	0.548	
1082380	1.112	
1082381	0.747	
1082382	0.366	
1082383	0.596	
1082384	0.216	
1082385	0.340	
1082386	0.975	
1082387	0.505	
1082388	1.084	
1082389	0.365	
1082390	0.265	
1082391	0.233	
1082392	0.231	
1082393	0.564	
1082394	0.196	
1082395	0.130	
1082396	< 0.005	
1082397	0.227	
1082398	0.275	
1082399	0.410	
1082400	0.206	
1082401	0.197	
1082402	0.262	
1082403	0.726	
1082404	0.395	
1082405	0.572	
1082406	0.461	
1082407	0.394	
1082408	0.427	
1082409	0.533	
1082410	0.472	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1082411	0.181	
1082412	0.654	
1082413	0.673	
1082414	0.343	
1082415	0.330	
1082416	0.102	
1082417	0.188	
1082418	0.306	
1082419	0.339	
1082420	0.284	
1082421	0.226	
1082422	0.391	
1082423	0.043	
1082424	< 0.005	
1082425	0.106	
1082426	0.170	
1082427	0.095	
1082428	0.244	
1082429	0.330	
1082430	0.206	
1082431	0.368	
1082432	0.696	
1082433	3.281	3.44
1082434	0.883	
1082435	0.450	
1082436	0.449	
1082437	0.431	
1082438	0.015	
1082439	0.332	
1082440	0.367	
1082441	0.175	
1082442	0.265	
1082443	0.221	
1082444	0.471	
1082445	0.534	
1082446	0.399	
1082447	1.336	
1082448	< 0.005	
1082449	0.546	
1082450	0.228	
1082451	0.299	
1082452	0.119	
1082453	0.098	
1082454	0.083	
1082455	0.123	
1082456	0.005	
1082457	0.176	
1082458	0.251	
1082459	0.476	
1082460	1.490	



Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1082461	0.262	
1082462	0.190	
1082463	0.109	
1082464	0.277	
1082465	0.950	
1082466	0.019	
1082467	0.486	
1082468	0.274	
1082469	0.342	
1082470	0.707	
1082471	0.508	
1082472	< 0.005	
1082473	0.019	
1082474	0.446	
1082475	0.326	
1082476	0.522	
1082477	0.210	
1082478	0.452	
1082479	0.072	
1082480	0.179	
1082481	1.345	
1082482	0.048	
1082483	0.103	
1082484	0.215	
1082485	0.062	
1082486	0.158	
1082487	1.000	
1082488	0.169	
1082489	0.115	
1082490	0.338	
1082491	0.169	
1082492	0.167	
1082493	0.137	
1082494	0.104	
1082495	0.251	
1082496	< 0.005	
1082497	0.211	
1082498	0.149	
1082499	0.115	
1082500	0.007	
1082501	0.386	
1082502	0.365	
1082503	0.462	
1082504	0.280	
1082505	0.263	
1082506	0.175	
1082507	0.172	
1082508	0.631	
1082509	0.998	
1082510	0.997	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1082511	0.106	
1082512	0.670	
1082513	0.495	
1082514	0.068	
1082515	0.255	
1082516	0.167	
1082517	0.210	
1082518	0.101	
1082519	0.757	
1082520	0.528	
1082521	0.264	
1082522	0.153	
1082523	0.095	
1082524	< 0.005	
1082525	0.085	
1082526	0.229	
1082527	1.020	
1082528	0.387	
1082529	0.044	
1082530	0.068	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
SN75 Meas		8.83
SN75 Cert		8.67
OREAS 254 Fire Assay Meas	2.606	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.458	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.440	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.495	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.451	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.454	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.461	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.531	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.493	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.595	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.504	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.510	
OREAS 254 Fire Assay Cert	2.55	
OREAS 217 (Fire Assay) Meas	0.338	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.323	
OREAS 217 (Fire Assay) Meas	0.338	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
Assay) Cert		
OREAS 217 (Fire Assay) Meas	0.324	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.321	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.318	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.326	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.322	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.318	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.319	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.320	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.340	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.339	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.1
OREAS 257 Cert		14.18
810814 Orig	0.060	
810814 Dup	0.044	
810824 Dup	0.005	
810834 Orig	0.048	
810834 Dup	0.050	
810849 Orig	0.115	
810849 Dup	0.118	
810859 Orig	0.005	
810859 Dup	< 0.005	
810861 Split Orig PREP DUP	0.558	
810861 Split PREP DUP	0.523	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
810869 Orig	0.655	
810869 Dup	0.584	
810885 Orig	0.239	
810885 Dup	0.187	
810894 Orig	0.441	
810894 Dup	0.498	
810904 Orig	0.253	
810904 Dup	0.223	
810910 Split Orig PREP DUP	1.373	
810910 Split PREP DUP	1.278	
810919 Orig	0.659	
810919 Dup	0.693	
810929 Orig	0.316	
810929 Dup	0.224	
810954 Orig	0.055	
810954 Dup	0.070	
810961 Split Orig PREP DUP	0.023	
810961 Split PREP DUP	0.027	
810964 Orig	0.328	
810964 Dup	0.275	
1082324 Orig	< 0.005	
1082324 Dup	< 0.005	
1082339 Orig	0.046	
1082339 Dup	0.047	
1082349 Orig	0.405	
1082349 Dup	0.367	
1082361 Split Orig PREP DUP	0.502	
1082361 Split PREP DUP	0.485	
1082385 Orig	0.332	
1082385 Dup	0.348	
1082394 Orig	0.229	
1082394 Dup	0.163	
1082409 Orig	0.525	
1082409 Dup	0.540	
1082410 Split Orig PREP DUP	0.472	
1082410 Split PREP DUP	0.458	
1082419 Orig	0.362	
1082419 Dup	0.316	
1082429 Orig	0.361	
1082429 Dup	0.299	
1082444 Orig	0.449	
1082444 Dup	0.494	
1082454 Orig	0.097	
1082454 Dup	0.070	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1082461 Split Orig PREP DUP	0.262	
1082461 Split PREP DUP	0.388	
1082463 Orig	0.102	
1082463 Dup	0.115	
1082488 Orig	0.164	
1082488 Dup	0.175	
1082498 Orig	0.181	
1082498 Dup	0.117	
1082510 Split Orig PREP DUP	0.997	
1082510 Split PREP DUP	0.887	
1082513 Orig	0.454	
1082513 Dup	0.535	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
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Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.02
Method Blank		< 0.02



Report No.: A19-16101

Report Date: 09-Dec-19

Date Submitted: 26-Nov-19

Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

152 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2-Timmins (ppm) | QOP AA-Au (Au - Fire Assay AA) | 2019-12-06 17:00:52

REPORT A19-16101

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
1082169	0.355
1082170	0.988
1082171	0.735
1082172	< 0.005
1082173	2.603
1082174	0.161
1082175	0.876
1082176	0.639
1082177	0.100
1082178	0.161
1082179	0.131
1082180	0.863
1082181	0.053
1082182	0.086
1082183	0.062
1082184	0.217
1082185	0.028
1082186	0.012
1082187	0.046
1082188	0.006
1082189	0.005
1082190	0.006
1082191	0.017
1082192	0.028
1082193	0.199
1082194	0.353
1082195	1.386
1082196	0.006
1082197	0.287
1082198	0.038
1082199	0.036
1082200	0.035
1082201	0.058
1082202	0.157
1082203	0.067
1082204	0.016
1082205	0.015
1082206	0.142
1082207	0.050
1082208	0.023
1082209	0.057
1082210	0.082
1082211	0.012
1082212	0.683
1082213	0.082
1082214	0.216
1082215	0.277
1082216	0.947
1082217	0.032
1082218	0.168
1082219	0.030



Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
1082220	0.168
1082221	0.144
1082222	0.022
1082223	0.041
1082224	< 0.005
1082225	0.022
1082226	0.022
1082227	0.011
1082228	0.034
1082229	0.068
1082230	0.086
1082231	0.087
1082232	0.051
1082233	0.037
1082234	0.061
1082235	0.058
1082236	0.479
1082237	0.188
1082238	0.033
1082239	0.071
1082240	0.186
1082241	0.119
1082242	0.134
1082243	0.143
1082244	0.122
1082245	0.607
1082246	0.203
1082247	0.339
1082248	< 0.005
1082249	0.176
1082250	0.228
1082251	0.082
1082252	0.118
1082253	0.121
1082254	0.419
1082255	1.970
1082256	0.508
1082257	0.218
1082258	0.267
1082259	0.250
1082260	1.486
1082261	0.284
1082262	0.055
1082263	0.019
1082264	0.051
1082265	0.327
1082266	0.009
1082267	0.007
1082268	0.038
1082269	0.011
1082270	0.014

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
1082271	0.015
1082272	< 0.005
1082273	0.025
1082274	0.009
1082275	0.009
1082276	0.013
1082277	0.016
1082278	0.051
1082279	0.012
1082280	0.044
1082281	0.016
1082282	0.016
1082283	0.005
1082284	0.221
1082285	0.007
1082286	0.032
1082287	0.030
1082288	0.239
1082289	0.010
1082290	0.009
1082291	0.012
1082292	0.035
1082293	0.096
1082294	0.116
1082295	0.192
1082296	< 0.005
1082297	0.274
1082298	0.050
1082299	0.108
1082300	0.053
1082301	0.108
1082302	0.041
1082303	0.062
1082304	0.130
1082305	0.062
1082306	0.034
1082307	0.049
1082308	0.011
1082309	0.088
1082310	0.041
1082311	0.061
1082312	0.677
1082313	0.114
1082314	0.013
1082315	0.043
1082316	0.110
1082317	0.112
1082318	0.170
1082319	0.198
1082320	0.146

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
OREAS 254 Fire Assay Meas	2.550
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.500
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.496
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.487
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.516
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.494
OREAS 254 Fire Assay Cert	2.55
OREAS 217 (Fire Assay) Meas	0.348
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.345
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.344
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.336
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.338
OREAS 217 (Fire Assay) Cert	0.338
1082185 Orig	0.037
1082185 Dup	0.019
1082194 Orig	0.361
1082194 Dup	0.344
1082210 Orig	0.082
1082210 Dup	0.081
1082218 Split Orig PREP DUP	0.168
1082218 Split PREP DUP	0.157
1082219 Orig	0.030
1082219 Dup	0.031
1082230 Orig	0.082

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
1082230 Dup	0.089
1082245 Orig	0.579
1082245 Dup	0.635
1082265 Orig	0.306
1082265 Dup	0.349
1082268 Split Orig PREP DUP	0.038
1082268 Split PREP DUP	0.034
1082280 Orig	0.037
1082280 Dup	0.051
1082290 Orig	0.011
1082290 Dup	0.006
1082300 Orig	0.051
1082300 Dup	0.055
1082315 Orig	0.043
1082315 Dup	0.042
1082318 Split Orig PREP DUP	0.170
1082318 Split PREP DUP	0.161
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	0.005
Method Blank	< 0.005
Method Blank	0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005



Report No.: A19-17058  
 Report Date: 06-Jan-20  
 Date Submitted: 13-Dec-19  
 Your Reference: 234

IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

ATTN: Alan Smith

**CERTIFICATE OF ANALYSIS**

348 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2019-12-24 11:10:04
1A3-50-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2019-12-28 13:59:36
1A4 (100mesh)-Timmins	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2020-01-06 13:55:27

REPORT A19-17058

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.  
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.  
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083701	0.493								
1083702	4.226	4.83							
1083703	0.203								
1083704	0.061								
1083705	0.154								
1083706	0.698								
1083707	0.935								
1083708	0.421								
1083709	1.370								
1083710	1.010								
1083711	1.107								
1083712	0.688								
1083713	0.820								
1083714	1.104								
1083715	0.496								
1083716	4.929	5.86							
1083717	0.517								
1083718	0.354								
1083719	0.427								
1083720	0.510								
1083721	4.950	5.88							
1083722	0.099								
1083723	0.453								
1083724	< 0.005								
1083725	0.042								
1083726	0.308								
1083727	1.002								
1083728	0.701								
1083729	0.990								
1083730	1.099								
1083731	1.003								
1083732	0.727								
1083733	0.651								
1083734	0.014								
1083735	0.453								
1083736	0.469								
1083737	0.275								
1083738	0.226								
1083739	0.714								
1083740	0.836								
1083741	0.407								
1083742	0.512								
1083743	0.593								
1083744	1.537								
1083745	1.732								
1083746	0.154								
1083747	0.531								
1083748	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083749	0.427								
1083750	0.711								
1083751	0.762								
1083752	0.995								
1083753	0.665								
1083754	0.107								
1083755	0.152								
1083756	0.209								
1083757	0.162								
1083758	0.069								
1083759	0.034								
1083760	< 0.005								
1083761	0.005								
1083762	0.013								
1083763	0.083								
1083764	0.065								
1083765	0.644								
1083766	0.184								
1083767	0.231								
1083768	0.086								
1083769	0.198								
1083770	0.170								
1083771	0.115								
1083772	< 0.005								
1083773	0.134								
1083774	0.288								
1083775	0.149								
1083776	0.117								
1083777	0.461								
1083778	0.330								
1083779	0.471								
1083780	0.219								
1083781	0.657								
1083782	0.801								
1083783	1.390								
1083784	0.225								
1083785	0.739								
1083786	0.800								
1083787	1.100								
1083788	1.443								
1083789	1.174								
1083790	1.355								
1083791	1.172								
1083792	1.587								
1083793	2.236								
1083794	0.423								
1083795	0.886								
1083796	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083797	> 5.000	10.6	1.31	2.71	3.32	2.88	38.83	458.00	496.83
1083798	4.775	4.91							
1083799	0.909								
1083800	0.397								
1083801	1.177								
1083802	0.458								
1083803	0.426								
1083804	1.560								
1083805	4.665	4.23							
1083806	1.778								
1083807	2.521								
1083808	2.194								
1083809	3.236	2.81							
1083810	3.309	4.00							
1083811	1.711								
1083812	0.778								
1083813	4.469	4.03							
1083814	2.186								
1083815	> 5.000	7.53	4.02	3.94	3.36	3.68	35.33	452.00	487.33
1083816	1.327								
1083817	1.704								
1083818	0.734								
1083819	1.338								
1083820	0.410								
1083821	1.191								
1083822	1.425								
1083823	0.907								
1083824	< 0.005								
1083825	1.173								
1083826	0.385								
1083827	1.308								
1083828	1.819								
1083829	3.528	4.38							
1083830	3.369	3.07							
1083831	2.705								
1083832	0.185								
1083833	1.668								
1083834	0.824								
1083835	0.933								
1083836	0.484								
1083837	0.487								
1083838	1.380								
1083839	0.732								
1083840	0.659								
1083841	0.388								
1083842	0.383								
1083843	1.612								
1083844	1.442								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083845	1.004								
1083846	1.801								
1083847	1.328								
1083848	< 0.005								
1083849	> 5.000	9.93	39.0	3.77	5.32	6.45	27.87	476.00	503.87
1083850	2.412								
1083851	1.167								
1083852	2.097								
1083853	0.775								
1083854	1.141								
1083855	0.778								
1083856	0.341								
1083857	1.023								
1083858	1.299								
1083859	0.874								
1083860	1.635								
1083861	0.422								
1083862	0.690								
1083863	2.096								
1083864	1.548								
1083865	2.101								
1083866	> 5.000	6.02	4.92	1.38	1.35	1.64	38.65	458.00	496.65
1083867	1.645								
1083868	1.814								
1083869	2.952								
1083870	0.677								
1083871	1.621								
1083872	< 0.005								
1083873	0.947								
1083874	0.757								
1083875	0.236								
1083876	0.657								
1083877	0.379								
1083878	1.205								
1083879	0.922								
1083880	0.175								
1083881	0.177								
1083882	0.702								
1083883	0.269								
1083884	0.223								
1083885	1.398								
1083886	1.718								
1083887	1.409								
1083888	3.973	3.67							
1083889	0.350								
1083890	0.722								
1083891	0.288								
1083892	0.537								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083893	1.915								
1083894	0.270								
1083895	1.414								
1083896	< 0.005								
1083897	1.441								
1083898	0.905								
1083899	4.051	3.39							
1083900	1.611								
1083901	0.276								
1083902	0.343								
1083903	0.719								
1083904	0.504								
1083905	1.862								
1083906	3.547	3.43							
1083907	1.375								
1083908	0.649								
1083909	0.498								
1083910	0.597								
1083911	0.267								
1083912	0.743								
1083913	1.662								
1083914	0.231								
1083915	0.180								
1083916	0.242								
1083917	> 5.000	5.80	7.88	3.92	4.62	4.43	22.59	477.00	499.59
1083918	2.392								
1083919	0.596								
1083920	1.084								
1083921	0.915								
1083922	0.640								
1083923	0.272								
1083924	< 0.005								
1083925	0.348								
1083926	0.926								
1083927	0.648								
1083928	0.924								
1083929	3.162	3.09							
1083930	1.333								
1083931	0.119								
1083932	1.162								
1083933	0.181								
1083934	0.188								
1083935	0.126								
1083936	0.463								
1083937	0.435								
1083938	0.556								
1083939	1.293								
1083940	0.465								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083941	0.781								
1083942	0.795								
1083943	0.626								
1083944	0.239								
1083945	0.020								
1083946	0.155								
1083947	0.276								
1083948	0.006								
1083949	0.113								
1083950	0.164								
1083951	0.036								
1083952	0.083								
1083953	0.433								
1083954	0.183								
1083955	0.243								
1083956	0.161								
1083957	0.577								
1083958	1.184								
1083959	0.176								
1083960	1.572								
1083961	0.315								
1083962	0.462								
1083963	0.163								
1083964	0.209								
1083965	0.088								
1083966	0.195								
1083967	1.013								
1083968	0.149								
1083969	0.130								
1083970	0.108								
1083971	0.252								
1083972	< 0.005								
1083973	0.034								
1083974	0.049								
1083975	0.060								
1083976	0.287								
1083977	0.083								
1083978	0.084								
1083979	0.163								
1083980	0.207								
1083981	0.011								
1083982	0.196								
1083983	0.084								
1083984	0.217								
1083985	0.061								
1083986	0.170								
1083987	0.349								
1083988	0.374								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083989	0.128								
1083990	0.089								
1083991	0.353								
1083992	0.386								
1083993	0.166								
1083994	0.199								
1083995	0.188								
1083996	< 0.005								
1083997	0.429								
1083998	0.343								
1083999	0.479								
1084000	0.535								
1084001	0.221								
1084002	0.123								
1084003	0.331								
1084004	0.293								
1084005	0.330								
1084006	0.596								
1084007	0.653								
1084008	0.025								
1084009	0.098								
1084010	0.241								
1084011	0.451								
1084012	0.688								
1084013	0.320								
1084014	0.332								
1084015	0.472								
1084016	1.011								
1084017	0.947								
1084018	0.826								
1084019	1.024								
1084020	0.665								
1084021	0.476								
1084022	0.712								
1084023	0.387								
1084024	< 0.005								
1084025	0.315								
1084026	0.513								
1084027	0.093								
1084028	0.151								
1084029	0.144								
1084030	0.254								
1084031	0.179								
1084032	0.200								
1084033	0.212								
1084034	0.337								
1084035	0.209								
1084036	0.491								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1084037	0.091								
1084038	0.346								
1084039	0.395								
1084040	0.347								
1084041	0.443								
1084042	0.359								
1084043	0.406								
1084044	0.183								
1084045	0.551								
1084046	0.686								
1084047	0.808								
1084048	0.006								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
SN75 Meas		8.91							
SN75 Cert		8.67							
SN75 Meas		8.55							
SN75 Cert		8.67							
OREAS 254 Fire Assay Meas	2.531								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.457								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.570								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.507								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.498								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.665								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.638								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.674								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.578								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.667								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.526								
OREAS 254 Fire Assay Cert	2.55								
OREAS 254 Fire Assay Meas	2.567								
OREAS 254 Fire Assay Cert	2.55								
OREAS 217 (Fire Assay) Meas	0.352								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.334								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.341								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.331								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.347								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.337								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.357								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.350								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.346								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.344								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.340								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 217 (Fire Assay) Meas	0.346								
OREAS 217 (Fire Assay) Cert	0.338								
OREAS 257 Meas		14.2				14.3			
OREAS 257 Cert		14.18				14.18			
OREAS 257 Meas		14.4							
OREAS 257 Cert		14.18							
1083710 Orig	0.976								
1083710 Dup	1.043								
1083720 Orig	0.501								
1083720 Dup	0.519								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083730 Orig	1.047								
1083730 Dup	1.152								
1083745 Orig	1.751								
1083745 Dup	1.712								
1083750 Split Orig PREP DUP	0.711								
1083750 Split PREP DUP	0.667								
1083754 Orig	0.105								
1083754 Dup	0.109								
1083779 Orig	0.491								
1083779 Dup	0.451								
1083789 Orig	1.216								
1083789 Dup	1.131								
1083797 Orig			1.31	2.71	3.32	2.88	38.83	458.00	496.83
1083799 Orig	0.870								
1083799 Dup	0.948								
1083800 Split Orig PREP DUP	0.397								
1083800 Split PREP DUP	0.431								
1083813 Orig	4.701	4.04							
1083813 Dup	4.237	4.01							
1083815 Orig			4.02	3.94	3.36	3.68	35.33	452.00	487.33
1083833 Orig	1.710								
1083833 Dup	1.627								
1083848 Orig	< 0.005								
1083848 Dup	< 0.005								
1083849 Orig			39.0	3.77	5.32	6.45	27.87	476.00	503.87
1083850 Split Orig PREP DUP	2.412								
1083850 Split PREP DUP	2.135								
1083851 Orig	1.092								
1083851 Dup	1.242								
1083866 Orig			4.92	1.38	1.35	1.64	38.65	458.00	496.65
1083867 Orig	1.719								
1083867 Dup	1.571								
1083882 Orig	0.759								
1083882 Dup	0.646								
1083900 Split Orig PREP DUP	1.611								
1083900 Split PREP DUP	1.547								
1083901 Orig	0.288								
1083901 Dup	0.264								
1083916 Orig	0.282								
1083916 Dup	0.201								
1083917 Orig			7.88	3.92	4.62	4.43	22.59	477.00	499.59
1083926 Orig	0.885								





Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Method Blank	< 0.005								
Method Blank	0.005								
Method Blank	0.005								
Method Blank	0.005								
Method Blank		< 0.02							
Method Blank		< 0.02							
Method Blank		< 0.02							
Method Blank		< 0.02							
Method Blank						< 0.03			0.00000
Method Blank						< 0.03			0.00000



Report No.: A20-01590
Report Date: 21-Feb-20
Date Submitted: 07-Feb-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

210 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package requested, Test description, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-01590

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
858251	0.028								
858252	0.013								
858253	0.026								
858254	< 0.005								
858255	0.045								
858256	0.030								
858257	0.006								
858258	0.012								
858259	0.044								
858260	1.587								
858261	0.035								
858262	0.032								
858263	0.014								
858264	0.026								
858265	0.053								
858266	0.022								
858267	0.014								
858268	0.017								
858269	0.011								
858270	< 0.005								
858271	0.107								
858272	< 0.005								
858273	0.031								
858274	> 5.000	26.5	137	28.6	31.0	35.0	18.42	365.00	383.40
858275	< 0.005								
858276	0.112								
858277	0.035								
858278	< 0.005								
858279	0.017								
858280	0.007								
858281	0.014								
858282	0.008								
858283	0.491								
858284	0.216								
858285	0.095								
858286	0.034								
858287	0.125								
858288	0.094								
858289	0.049								
858290	0.036								
858291	0.045								
858292	0.024								
858293	0.060								
858294	0.016								
858295	< 0.005								
858296	< 0.005								
858297	< 0.005								
858298	0.052								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
858299	0.045								
858300	0.048								
858301	0.058								
858302	2.471								
858303	0.025								
858304	0.100								
858305	< 0.005								
858306	0.007								
858307	0.084								
858308	0.033								
858309	0.087								
858310	0.080								
858311	0.023								
858312	0.666								
858313	0.049								
858314	0.012								
858315	0.011								
858316	0.056								
858317	0.017								
858318	0.103								
858319	0.110								
858320	0.018								
858321	0.010								
858322	0.032								
858323	0.388								
858324	< 0.005								
858325	0.111								
858326	0.027								
858327	0.093								
858328	0.046								
858329	0.039								
858330	0.040								
858331	0.073								
858332	0.123								
858333	0.073								
858334	0.083								
858335	0.021								
858336	0.472								
858337	0.013								
858338	0.035								
858339	0.058								
858340	0.007								
858341	0.010								
858342	0.043								
858343	0.034								
858344	0.052								
858345	0.040								
858346	0.032								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
858347	0.030								
858348	< 0.005								
858349	0.096								
858350	0.098								
858351	0.118								
858352	0.149								
858353	0.081								
858354	0.124								
858355	0.198								
858356	1.334								
858357	0.371								
858358	0.342								
858359	0.223								
858360	1.551								
858361	> 5.000	14.9	27.3	5.88	6.42	7.20	24.68	471.00	495.68
858362	0.216								
858363	0.245								
858364	0.031								
858365	0.060								
858366	0.045								
858367	0.304								
858368	0.251								
858369	0.059								
858370	0.076								
858371	0.032								
858372	< 0.005								
858373	0.019								
858374	0.090								
858375	0.151								
858376	0.172								
858377	0.098								
858378	0.093								
858379	0.012								
858380	0.214								
858381	0.824								
858382	0.142								
858383	0.010								
858384	0.221								
858385	0.009								
858386	0.110								
858387	0.022								
858388	0.020								
858389	0.026								
858390	0.075								
858391	0.031								
858392	0.298								
858393	0.169								
858394	0.050								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
858395	0.031								
858396	< 0.005								
858397	0.115								
858398	0.018								
858399	0.013								
858400	0.106								
858401	0.008								
858402	0.155								
858403	0.138								
858404	0.679								
858405	0.794								
858406	0.424								
858407	0.054								
858408	0.067								
858409	0.210								
858410	0.205								
858411	0.052								
858412	0.677								
858413	2.433								
858414	0.076								
858415	0.036								
858416	0.032								
858417	0.038								
858418	0.062								
858419	0.015								
858420	0.020								
858421	0.634								
858422	0.179								
858423	0.159								
858424	< 0.005								
858425	0.160								
858426	0.095								
858427	0.438								
858428	0.201								
858429	0.204								
858430	0.076								
858431	0.108								
858432	0.157								
858433	0.126								
858434	0.091								
858435	0.063								
858436	0.488								
858437	0.075								
858438	0.238								
858439	0.053								
858440	0.113								
858441	0.533								
858442	0.201								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
858443	0.049								
858444	0.401								
858445	0.280								
858446	0.143								
858447	0.236								
858448	< 0.005								
858449	0.107								
858450	0.111								
858451	0.075								
858452	0.091								
858453	0.020								
858454	0.186								
858455	0.102								
858456	0.026								
858457	0.064								
858458	0.014								
858459	0.018								
858460	1.534								



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.73		
SN75 Cert		8.67		
OREAS 217 (Fire Assay) Meas	0.329			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.318			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.349			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.334			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.356			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.341			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.326			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.331			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.338			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.331			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.343			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.344			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.353			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.329			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.337			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.336			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 257 Meas		14.3	14.5	
OREAS 257 Cert		14.18	14.18	
858256 Orig	0.038			
858256 Dup	0.022			
858266 Orig	0.028			
858266 Dup	0.015			
858276 Orig	0.089			
858276 Dup	0.135			
858300 Split Orig PREP DUP	0.048			
858300 Split PREP DUP	0.058			
858311 Orig	0.033			
858311 Dup	0.012			
858326 Orig	0.026			
858326 Dup	0.027			
858337 Orig	0.014			
858337 Dup	0.011			
858346 Orig	0.032			
858346 Dup	0.032			
858350 Split Orig PREP DUP	0.098			
858350 Split PREP DUP	0.107			
858361 Orig	> 5.000		7.20	495.68
858361 Dup	> 5.000			
858381 Orig	0.804			
858381 Dup	0.843			
858396 Orig	< 0.005			
858396 Dup	< 0.005			
858400 Split Orig PREP DUP	0.106			
858400 Split PREP DUP	0.137			
858406 Orig	0.407			
858406 Dup	0.442			
858416 Orig	0.037			
858416 Dup	0.028			
858431 Orig	0.098			
858431 Dup	0.117			
858441 Orig	0.577			
858441 Dup	0.489			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
858450 Split Orig PREP DUP	0.111			
858450 Split PREP DUP	0.114			
858451 Orig	0.075			
858451 Dup	0.075			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank			< 0.03	0.00000
Method Blank			< 0.03	0.00000



IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

Report No.: A20-01650  
 Report Date: 04-Mar-20  
 Date Submitted: 10-Feb-20  
 Your Reference: 234

ATTN: Alan Smith

## CERTIFICATE OF ANALYSIS

155 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2020-02-26 14:52:37
1A3-50-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-02-27 11:50:22

REPORT      **A20-01650**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
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 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
858461	0.065	
858462	0.148	
858463	0.298	
858464	0.077	
858465	< 0.005	
858466	< 0.005	
858467	< 0.005	
858468	< 0.005	
858469	< 0.005	
858470	< 0.005	
858471	0.477	
858472	< 0.005	
858473	0.248	
858474	0.244	
858475	0.577	
858476	1.584	
858477	0.137	
858478	0.089	
858479	0.120	
858480	0.843	
858481	0.684	
858482	0.018	
858483	0.050	
858484	0.228	
858485	0.085	
858486	0.172	
858487	0.098	
858488	1.773	
858489	2.795	
858490	2.121	
858491	0.437	
858492	0.274	
858493	0.417	
858494	0.639	
858495	0.309	
858496	< 0.005	
858497	0.508	
858498	0.620	
858499	0.235	
858500	0.362	
455051	0.644	
455052	0.327	
455053	3.096	3.56
455054	1.063	
455055	0.258	
455056	0.342	
455057	0.918	
455058	0.641	
455059	1.142	
455060	1.604	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
455061	1.615	
455062	0.236	
455063	0.221	
455064	0.547	
455065	0.432	
455066	0.324	
455067	0.265	
455068	0.550	
455069	0.145	
455070	0.288	
455071	0.274	
455072	< 0.005	
455073	0.443	
455074	0.392	
455075	0.772	
455076	0.140	
455077	0.629	
455078	0.178	
455079	0.460	
455080	0.355	
455081	0.407	
455082	0.063	
455083	0.146	
455084	0.240	
455085	0.091	
455086	1.166	
455087	0.527	
455088	0.310	
455089	0.446	
455090	0.268	
455091	0.724	
455092	1.185	
455093	0.886	
455094	1.578	
455095	0.139	
455096	< 0.005	
455097	2.914	
455098	0.093	
455099	0.093	
455100	0.055	
455101	0.297	
455102	0.278	
455103	0.122	
455104	0.322	
455105	0.090	
455106	0.222	
455107	0.069	
455108	0.059	
455109	0.038	
455110	0.050	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
455111	0.055	
455112	0.713	
455113	1.141	
455114	< 0.005	
455115	2.923	
455116	1.243	
455117	0.443	
455118	0.485	
455119	0.310	
455120	0.025	
455121	0.024	
455122	0.194	
455123	0.206	
455124	< 0.005	
455125	0.525	
455126	0.290	
455127	3.538	3.27
455128	0.946	
455129	0.127	
455130	0.115	
455131	0.187	
455132	0.153	
455133	0.660	
455134	0.411	
455135	1.002	
455136	0.513	
455137	0.395	
455138	0.345	
455139	0.195	
455140	0.235	
455141	0.248	
455142	0.525	
455143	0.027	
455144	0.158	
455145	0.116	
455146	3.588	3.34
455147	2.665	
455148	0.006	
455149	0.442	
455150	0.773	
455151	0.150	
455152	0.269	
455153	0.220	
455154	0.902	
455155	0.113	
455156	0.170	
455157	0.674	
455158	0.016	
455159	< 0.005	
455160	1.600	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
455161	0.534	
455162	2.185	
455163	1.152	
455164	2.916	
455165	1.785	



Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
SN75 Meas		8.70
SN75 Cert		8.67
SN75 Meas		8.70
SN75 Cert		8.67
OREAS 217 (Fire Assay) Meas	0.341	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.339	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.347	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.335	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.355	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.337	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.332	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		13.9
OREAS 257 Cert		14.18
OREAS 257 Meas		14.3
OREAS 257 Cert		14.18
858470 Orig	< 0.005	
858470 Dup	< 0.005	
858480 Orig	0.832	
858480 Dup	0.854	
858490 Orig	2.107	
858490 Dup	2.134	
455055 Orig	0.252	
455055 Dup	0.264	
455061 Split Orig	1.615	
455061 Split	1.584	
455074 Orig	0.343	
455074 Dup	0.442	
455099 Orig	0.078	
455099 Dup	0.107	
455109 Orig	0.028	
455109 Dup	0.048	
455110 Split Orig	0.050	
455110 Split	0.053	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
455123 Orig	0.210	
455123 Dup	0.201	
455133 Orig	0.661	
455133 Dup	0.659	
455143 Orig	0.028	
455143 Dup	0.025	
455158 Orig	0.017	
455158 Dup	0.016	
455161 Split Orig	0.534	
455161 Split	0.547	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank		< 0.02
Method Blank		< 0.02



Report No.: A20-02154
Report Date: 16-Mar-20
Date Submitted: 24-Feb-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

461 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-02154

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075001	0.043								
1075002	0.023								
1075003	0.045								
1075004	0.041								
1075005	0.043								
1075006	0.019								
1075007	0.011								
1075008	0.070								
1075009	0.055								
1075010	0.036								
1075011	0.036								
1075012	0.698								
1075013	0.047								
1075014	0.012								
1075015	0.030								
1075016	> 5.000	7.59	54.5	3.79	4.64	7.29	30.16	462.62	492.78
1075017	< 0.005								
1075018	0.080								
1075019	0.185								
1075020	0.066								
1075021	0.034								
1075022	0.147								
1075023	0.095								
1075024	< 0.005								
1075025	0.090								
1075026	0.074								
1075027	0.223								
1075028	0.053								
1075029	0.123								
1075030	0.043								
1075031	0.021								
1075032	0.017								
1075033	0.046								
1075034	0.010								
1075035	0.025								
1075036	0.483								
1075037	0.012								
1075038	0.050								
1075039	0.013								
1075040	0.041								
1075041	0.070								
1075042	0.076								
1075043	0.074								
1075044	0.040								
1075045	0.026								
1075046	< 0.005								
1075047	0.008								
1075048	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075049	< 0.005								
1075050	< 0.005								
1075051	< 0.005								
1075052	< 0.005								
1075053	0.023								
1075054	< 0.005								
1075055	< 0.005								
1075056	< 0.005								
1075057	0.008								
1075058	< 0.005								
1075059	< 0.005								
1075060	1.718								
1075061	0.025								
1075062	0.022								
1075063	0.052								
1075064	0.114								
1075065	0.117								
1075066	0.023								
1075067	0.096								
1075068	0.009								
1075069	0.017								
1075070	0.012								
1075071	0.012								
1075072	< 0.005								
1075073	0.040								
1075074	0.032								
1075075	0.090								
1075076	0.053								
1075077	0.017								
1075078	0.027								
1075079	0.066								
1075080	0.055								
1075081	0.083								
1075082	0.015								
1075083	0.180								
1075084	0.224								
1075085	0.085								
1075086	0.034								
1075087	0.170								
1075088	0.052								
1075089	0.010								
1075090	0.014								
1075091	0.010								
1075092	< 0.005								
1075093	< 0.005								
1075094	0.076								
1075095	0.062								
1075096	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075097	< 0.005								
1075098	0.013								
1075099	0.166								
1075100	0.481								
1075101	0.108								
1075102	0.091								
1075103	0.016								
1075104	0.126								
1075105	0.040								
1075106	0.041								
1075107	0.087								
1075108	0.285								
1075109	0.051								
1075110	0.047								
1075111	0.011								
1075112	0.666								
1075113	< 0.005								
1075114	0.029								
1075115	0.388								
1075116	0.120								
1075117	0.158								
1075118	0.118								
1075119	0.023								
1075120	0.157								
1075121	0.058								
1075122	0.039								
1075123	0.161								
1075124	< 0.005								
1075125	0.422								
1075126	1.080								
1075127	> 5.000	5.49	38.3	6.87	7.43	8.79	25.82	465.94	491.76
1075128	0.689								
1075129	0.104								
1075130	0.129								
1075131	0.029								
1075132	0.022								
1075133	0.138								
1075134	0.097								
1075135	> 5.000	14.3	33.6	14.1	13.7	14.8	23.20	468.60	491.80
1075136	0.480								
1075137	0.113								
1075138	0.095								
1075139	0.179								
1075140	0.163								
1075141	0.199								
1075142	0.084								
1075143	2.789		45.7	3.94	4.37	5.65	17.64	472.12	489.76
1075144	1.982								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075145	0.798								
1075146	0.332								
1075147	0.337								
1075148	< 0.005								
1075149	0.252								
1075150	0.180								
1075151	0.407								
1075152	2.130								
1075153	0.409								
1075154	0.230								
1075155	0.859								
1075156	0.154								
1075157	0.266								
1075158	0.550								
1075159	0.623								
1075160	1.674								
1075161	0.467								
1075162	0.441								
1075163	0.213								
1075164	0.083								
1075165	0.419								
1075166	0.534								
1075167	0.075								
1075168	1.797								
1075169	0.896								
1075170	3.292	3.65							
1075171	1.407								
1075172	0.011								
1075173	1.421								
1075174	0.548								
1075175	0.217								
1075176	0.162								
1075177	0.285								
1075178	0.127								
1075179	0.164								
1075180	0.350								
1075181	0.007								
1075182	< 0.005								
1075183	0.008								
1075184	0.232								
1075185	0.033								
1075186	0.067								
1075187	0.040								
1075188	0.065								
1075189	0.018								
1075190	0.012								
1075191	0.124								
1075192	0.006								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075193	0.035								
1075194	< 0.005								
1075195	0.015								
1075196	< 0.005								
1075197	< 0.005								
1075198	0.005								
1075199	0.016								
1075200	0.059								
1075201	0.037								
1075202	< 0.005								
1075203	0.034								
1075204	0.079								
1075205	1.931								
1075206	0.082								
1075207	1.532								
1075208	0.921								
1075209	0.193								
1075210	0.240								
1075211	0.032								
1075212	0.736								
1075213	0.018								
1075214	0.093								
1075215	0.118								
1075216	0.041								
1075217	0.037								
1075218	0.314								
1075219	0.461								
1075220	0.101								
1075221	0.042								
1075222	0.106								
1075223	0.019								
1075224	< 0.005								
1075225	0.042								
1075226	0.214								
1075227	0.040								
1075228	0.030								
1075229	0.005								
1075230	< 0.005								
1075231	0.007								
1075232	0.011								
1075233	0.322								
1075234	0.463								
1075235	0.043								
1075236	0.506								
1075237	0.007								
1075238	< 0.005								
1075239	0.017								
1075240	0.160								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075241	0.079								
1075242	0.058								
1075243	0.018								
1075244	0.007								
1075245	0.007								
1075246	0.653								
1075247	0.190								
1075248	< 0.005								
1075249	< 0.005								
1075250	< 0.005								
1075251	0.217								
1075252	1.340								
1075253	0.032								
1075254	0.098								
1075255	0.023								
1075256	0.085								
1075257	0.021								
1075258	0.183								
1075259	0.007								
1075260	1.603								
1075261	0.005								
1075262	0.829								
1075263	0.872								
1075264	0.073								
1075265	0.057								
1075266	0.051								
1075267	0.030								
1075268	0.105								
1075269	0.053								
1075270	0.041								
1075271	< 0.005								
1075272	< 0.005								
1075273	0.015								
1075274	0.011								
1075275	0.040								
1075276	0.065								
1075277	0.430								
1075278	0.097								
1075279	0.044								
1075280	0.113								
1075281	0.872								
1075282	0.235								
1075283	0.159								
1075284	0.224								
1075285	0.322								
1075286	0.252								
1075287	0.424								
1075288	0.608								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075289	0.864								
1075290	0.910								
1075291	0.414								
1075292	0.420								
1075293	0.640								
1075294	1.276								
1075295	1.263								
1075296	< 0.005								
1075297	0.255								
1075298	0.164								
1075299	0.259								
1075300	0.708								
1075301	3.256	2.94							
1075302	0.199								
1075303	0.241								
1075304	0.150								
1075305	0.325								
1075306	0.168								
1075307	0.152								
1075308	0.628								
1075309	0.473								
1075310	0.317								
1075311	0.218								
1075312	0.708								
1075313	0.224								
1075314	0.176								
1075315	0.243								
1075316	0.330								
1075317	0.200								
1075318	0.193								
1075319	1.138								
1075320	0.216								
1075321	0.430								
1075322	0.157								
1075323	0.176								
1075324	< 0.005								
1075325	2.795								
1075326	0.164								
1075327	2.114								
1075328	1.438								
1075329	0.205								
1075330	0.230								
1075331	0.448								
1075332	0.166								
1075333	0.366								
1075334	0.090								
1075335	0.144								
1075336	0.486								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075337	0.056								
1075338	0.073								
1075339	1.195								
1075340	0.537								
1075341	0.785								
1075342	0.203								
1075343	0.226								
1075344	0.719								
1075345	0.887								
1075346	0.083								
1075347	0.448								
1075348	< 0.005								
1075349	0.282								
1075350	0.244								
1075351	0.350								
1075352	0.101								
1075353	0.113								
1075354	0.219								
1075355	1.111								
1075356	0.120								
1075357	0.206								
1075358	0.060								
1075359	0.103								
1075360	1.621								
1075361	0.279								
1075362	0.184								
1075363	> 5.000	7.76	24.1	5.72	6.43	6.96	24.18	466.01	490.19
1075364	1.011								
1075365	2.080								
1075366	1.423								
1075367	2.154								
1075368	0.465								
1075369	0.135								
1075370	0.179								
1075371	0.308								
1075372	< 0.005								
1075373	0.513								
1075374	0.623								
1075375	0.471								
1075376	0.637								
1075377	0.654								
1075378	0.472								
1075379	0.322								
1075380	0.787								
1075381	0.085								
1075382	0.417								
1075383	0.817								
1075384	0.233								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075385	0.652								
1075386	0.278								
1075387	0.156								
1075388	0.162								
1075389	0.289								
1075390	0.216								
1075391	0.733								
1075392	1.221								
1075393	0.677								
1075394	0.289								
1075395	0.146								
1075396	< 0.005								
1075397	0.139								
1075398	> 5.000	10.5	18.9	7.76	8.12	8.65	31.77	458.24	490.01
1075399	0.599								
1075400	0.541								
1075401	1.335								
1075402	1.440								
1075403	1.393								
1075404	< 0.005								
1075405	0.201								
1075406	0.278								
1075407	0.287								
1075408	3.442	2.83							
1075409	> 5.000	11.7	16.2	8.57	8.16	8.71	21.59	468.95	490.54
1075410	1.789								
1075411	0.331								
1075412	0.698								
1075413	0.539								
1075414	0.895								
1075415	0.493								
1075416	0.023								
1075417	0.643								
1075418	0.211								
1075419	1.688								
1075420	1.074								
1075421	0.319								
1075422	0.310								
1075423	0.329								
1075424	< 0.005								
1075425	0.352								
1075426	0.145								
1075427	0.097								
1075428	0.241								
1075429	0.039								
1075430	0.032								
1075431	0.875								
1075432	0.114								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075433	0.016								
1075434	0.025								
1075435	0.008								
1075436	0.485								
1075437	0.918								
1075438	0.228								
1075439	0.211								
1075440	0.073								
1075441	0.207								
1075442	0.587								
1075443	0.480								
1075444	0.591								
1075445	0.106								
1075446	0.388								
1075447	0.273								
1075448	< 0.005								
1075449	0.071								
1075450	0.146								
1075451	0.228								
1075452	1.446								
1075453	0.241								
1075454	0.301								
1075455	0.014								
1075456	0.018								
1075457	0.595								
1075458	1.959								
1075459	0.443								
1075460	1.594								
1075461	0.192								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.60		
SN75 Cert		8.67		
SN75 Meas		8.83		
SN75 Cert		8.67		
OREAS 217 (Fire Assay) Meas	0.356			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.351			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.324			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.322			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.338			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.331			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.340			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.341			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.338			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.354			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.340			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.345			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.340			
OREAS 217 (Fire Assay) Cert	0.338			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
OREAS 217 (Fire Assay) Meas	0.342			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.342			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.349			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.345			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.348			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 257 Meas		14.4	14.1	
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		14.6		
OREAS 257 Cert		14.18		
1075010 Orig	0.036			
1075010 Dup	0.036			
1075030 Orig	0.051			
1075030 Dup	0.035			
1075045 Orig	0.024			
1075045 Dup	0.029			
1075050 Split Orig PREP DUP	< 0.005			
1075050 Split PREP DUP	< 0.005			
1075054 Orig	< 0.005			
1075054 Dup	< 0.005			
1075064 Orig	0.122			
1075064 Dup	0.106			
1075089 Orig	0.011			
1075089 Dup	0.010			
1075099 Orig	0.134			
1075099 Dup	0.197			
1075100 Split Orig PREP DUP	0.481			
1075100 Split PREP DUP	0.561			
1075113 Orig	< 0.005			
1075113 Dup	< 0.005			
1075123 Orig	0.186			
1075123 Dup	0.135			
1075133 Orig	0.150			
1075133 Dup	0.126			
1075148 Orig	< 0.005			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
1075148 Dup	< 0.005			
1075150 Split Orig PREP DUP	0.180			
1075150 Split PREP DUP	0.145			
1075157 Orig	0.274			
1075157 Dup	0.259			
1075167 Orig	0.082			
1075167 Dup	0.069			
1075182 Orig	0.006			
1075182 Dup	< 0.005			
1075192 Orig	0.005			
1075192 Dup	0.007			
1075200 Split Orig PREP DUP	0.059			
1075200 Split PREP DUP	0.051			
1075210 Orig	0.270			
1075210 Dup	0.209			
1075220 Orig	0.107			
1075220 Dup	0.095			
1075230 Orig	< 0.005			
1075230 Dup	0.005			
1075245 Orig	0.007			
1075245 Dup	0.006			
1075250 Split Orig PREP DUP	< 0.005			
1075250 Split PREP DUP	< 0.005			
1075254 Orig	0.099			
1075254 Dup	0.097			
1075264 Orig	0.073			
1075264 Dup	0.073			
1075279 Orig	0.044			
1075279 Dup	0.044			
1075289 Orig	0.880			
1075289 Dup	0.849			
1075300 Split Orig PREP DUP	0.708			
1075300 Split PREP DUP	0.827			
1075311 Orig	0.218			
1075311 Dup	0.218			
1075313 Orig	0.209			
1075313 Dup	0.238			
1075323 Orig	0.169			
1075323 Dup	0.183			
1075333 Orig	0.410			
1075333 Dup	0.321			
1075348 Orig	< 0.005			
1075348 Dup	< 0.005			
1075350 Split	0.244			



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
Orig PREP DUP				
1075350 Split PREP DUP	0.197			
1075357 Orig	0.248			
1075357 Dup	0.163			
1075367 Orig	2.180			
1075367 Dup	2.127			
1075382 Orig	0.450			
1075382 Dup	0.384			
1075398 Orig		10.5		
1075400 Split Orig PREP DUP	0.541			
1075400 Split PREP DUP	0.608			
1075416 Orig	0.027			
1075416 Dup	0.019			
1075426 Orig	0.148			
1075426 Dup	0.142			
1075437 Orig	0.859			
1075437 Dup	0.976			
1075450 Split Orig PREP DUP	0.146			
1075450 Split PREP DUP	0.128			
1075461 Orig	0.193			
1075461 Dup	0.192			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
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Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank			< 0.03	0.00000
Method Blank			< 0.03	0.00000
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank	0.005			
Method Blank	< 0.005			



Report No.: A20-02147
Report Date: 11-Mar-20
Date Submitted: 21-Feb-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

360 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s), Assay type, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-02147

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1079001	0.096								
1079002	0.047								
1079003	0.041								
1079004	0.048								
1079005	0.097								
1079006	0.035								
1079007	0.018								
1079008	0.019								
1079009	0.141								
1079010	> 5.000	11.4	82.1	1.41	0.80	6.03	29.74	459.34	489.08
1079011	0.067								
1079012	0.681								
1079013	0.253								
1079014	0.026								
1079015	0.069								
1079016	1.458								
1079017	0.260								
1079018	0.020								
1079019	0.217								
1079020	0.018								
1079021	0.071								
1079022	0.336								
1079023	0.112								
1079024	< 0.005								
1079025	0.014								
1079026	0.017								
1079027	0.026								
1079028	0.036								
1079029	0.051								
1079030	0.046								
1079031	0.168								
1079032	0.189								
1079033	0.187								
1079034	0.362								
1079035	0.264								
1079036	0.455								
1079037	0.142								
1079038	0.056								
1079039	0.104								
1079040	0.047								
1079041	0.018								
1079042	0.329								
1079043	0.146								
1079044	0.064								
1079045	0.025								
1079046	0.037								
1079047	0.038								
1079048	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1079049	0.080								
1079050	0.101								
1079051	0.521								
1079052	0.013								
1079053	4.914	5.04							
1079054	0.047								
1079055	0.071								
1079056	0.021								
1079057	0.017								
1079058	0.042								
1079059	0.013								
1079060	1.570								
1079061	0.023								
1079062	0.040								
1079063	0.057								
1079064	0.496								
1079065	0.423								
1079066	0.290								
1079067	0.206								
1079068	0.095								
1079069	0.102								
1079070	0.136								
1079071	0.596								
1079072	< 0.005								
1079073	0.064								
1079074	0.008								
1079075	< 0.005								
1079076	0.019								
1079077	0.013								
1079078	0.083								
1079079	0.144								
1079080	0.013								
1079081	0.006								
1079082	< 0.005								
1079083	0.027								
1079084	0.220								
1079085	0.020								
1079086	< 0.005								
1079087	0.005								
1079088	< 0.005								
1079089	< 0.005								
1079090	0.008								
1079091	0.912								
1079092	0.044								
1079093	0.025								
1079094	0.072								
1079095	0.131								
1079096	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1079097	0.037								
1079098	0.148								
1079099	0.100								
1079100	0.019								
1079101	0.402								
1079102	0.250								
1079103	0.226								
1079104	0.009								
1079105	0.007								
1079106	0.007								
1079107	0.081								
1079108	< 0.005								
1079109	0.012								
1079110	0.008								
1079111	0.009								
1079112	0.661								
1079113	0.005								
1079114	< 0.005								
1079115	0.005								
1079116	< 0.005								
1079117	0.010								
1079118	0.010								
1079119	0.007								
1079120	0.008								
1079121	0.014								
1079122	0.081								
1079123	0.021								
1079124	< 0.005								
1079125	< 0.005								
1079126	0.006								
1079127	0.009								
1079128	< 0.005								
1079129	0.005								
1079130	0.007								
1079131	< 0.005								
1079132	0.008								
1079133	0.010								
1079134	< 0.005								
1079135	< 0.005								
1079136	0.464								
1079137	0.055								
1079138	0.109								
1079139	0.019								
1079140	0.009								
1079141	0.007								
1079142	0.012								
1079143	0.048								
1079144	0.164								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1079145	0.018								
1079146	0.013								
1079147	0.012								
1079148	< 0.005								
1079149	< 0.005								
1079150	< 0.005								
1079151	0.016								
1079152	0.037								
1079153	0.038								
1079154	0.011								
1079155	0.037								
1079156	0.077								
1079157	0.157								
1079158	0.025								
1079159	0.113								
1079160	1.594								
1079161	0.103								
1079162	0.061								
1079163	0.039								
1079164	0.177								
1079165	0.111								
1079166	0.248								
1079167	0.245								
1079168	0.218								
1079169	0.018								
1079170	0.022								
1079171	0.072								
1079172	< 0.005								
1079173	0.027								
1079174	0.013								
1079175	0.017								
1079176	0.016								
1079177	0.013								
1079178	0.054								
1079179	0.330								
1079180	0.491								
1079181	0.170								
1079182	0.132								
1079183	0.042								
1079184	0.226								
1079185	0.070								
1079186	0.107								
1079187	0.124								
1079188	0.097								
1079189	0.079								
1079190	0.153								
1079191	0.072								
1079192	2.889								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1079193	0.178								
1079194	0.302								
1079195	0.126								
1079196	< 0.005								
1079197	0.305								
1079198	0.072								
1079199	0.678								
1079200	0.551								
1079201	0.061								
1079202	0.081								
1079203	0.943								
1079204	0.962								
1079205	1.151								
1079206	0.600								
1079207	0.303								
1079208	0.117								
1079209	0.241								
1079210	0.238								
1079211	0.071								
1079212	0.663								
1079213	0.043								
1079214	0.115								
1079215	0.157								
1079216	0.171								
1079217	0.045								
1079218	0.087								
1079219	0.598								
1079220	0.215								
1079221	0.342								
1079222	0.202								
1079223	0.186								
1079224	0.006								
1079225	0.060								
1079226	0.076								
1079227	0.526								
1079228	0.561								
1079229	0.224								
1079230	0.291								
1079231	0.156								
1079232	0.674								
1079233	0.322								
1079234	0.160								
1079235	0.155								
1079236	0.421								
1079237	0.259								
1079238	0.580								
1079239	0.245								
1079240	0.127								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1079241	0.325								
1079242	0.803								
1079243	0.112								
1079244	0.071								
1079245	0.640								
1079246	0.198								
1079247	0.223								
1079248	< 0.005								
1079249	0.137								
1079250	0.089								
1079251	0.563								
1079252	0.176								
1079253	0.252								
1079254	0.157								
1079255	0.090								
1079256	0.196								
1079257	0.365								
1079258	0.349								
1079259	0.064								
1079260	1.563								
1079261	0.267								
1079262	0.421								
1079263	0.359								
1079264	0.342								
1079265	0.152								
1079266	0.475								
1079267	0.089								
1079268	0.342								
1079269	0.103								
1079270	0.225								
1079271	0.043								
1079272	< 0.005								
1079273	0.005								
1079274	< 0.005								
1079275	0.050								
1079276	0.415								
1079277	0.157								
1079278	0.358								
1079279	0.137								
1079280	0.075								
1079281	0.108								
1079282	0.026								
1079283	0.064								
1079284	0.221								
1079285	0.116								
1079286	0.089								
1079287	0.175								
1079288	0.297								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1079289	0.224								
1079290	0.276								
1079291	0.090								
1079292	0.162								
1079293	0.075								
1079294	0.092								
1079295	0.306								
1079296	< 0.005								
1079297	0.040								
1079298	0.111								
1079299	0.281								
1079300	0.141								
1079301	0.119								
1079302	0.161								
1079303	0.154								
1079304	0.166								
1079305	0.339								
1079306	0.309								
1079307	0.239								
1079308	0.588								
1079309	> 5.000	5.50	18.4	5.02	5.35	5.62	16.36	476.84	493.20
1079310	4.335	4.83							
1079311	2.155								
1079312	0.652								
1079313	0.300								
1079314	0.931								
1079315	0.504								
1079316	0.233								
1079317	1.514								
1079318	0.358								
1079319	0.132								
1079320	0.167								
1079321	0.244								
1079322	0.521								
1079323	0.428								
1079324	< 0.005								
1079325	0.594								
1079326	0.791								
1079327	0.502								
1079328	0.415								
1079329	0.303								
1079330	0.260								
1079331	1.259								
1079332	0.362								
1079333	0.011								
1079334	0.011								
1079335	0.020								
1079336	0.464								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1079337	1.016								
1079338	0.067								
1079339	0.340								
1079340	0.231								
1079341	0.806								
1079342	0.249								
1079343	0.338								
1079344	0.552								
1079345	0.462								
1079346	0.222								
1079347	0.106								
1079348	< 0.005								
1079349	0.205								
1079350	0.178								
1079351	0.133								
1079352	0.356								
1079353	0.047								
1079354	0.206								
1079355	0.259								
1079356	0.500								
1079357	0.316								
1079358	0.797								
1079359	0.343								
1079360	1.484								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.83		
SN75 Cert		8.67		
OREAS 217 (Fire Assay) Meas	0.322			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.336			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.327			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.334			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.324			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.333			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.335			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.334			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.324			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.335			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.338			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 257 Meas		14.6	13.9	
OREAS 257 Cert		14.18	14.18	
1079010 Orig	> 5.000		6.03	489.08
1079010 Dup	> 5.000			
1079020 Orig	0.018			
1079020 Dup	0.017			
1079030 Orig	0.048			
1079030 Dup	0.044			
1079045 Orig	0.027			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
1079045 Dup	0.023			
1079050 Split Orig PREP DUP	0.101			
1079050 Split PREP DUP	0.134			
1079054 Orig	0.043			
1079054 Dup	0.051			
1079064 Orig	0.505			
1079064 Dup	0.487			
1079079 Orig	0.127			
1079079 Dup	0.160			
1079089 Orig	0.006			
1079089 Dup	< 0.005			
1079099 Orig	0.093			
1079099 Dup	0.106			
1079100 Split Orig PREP DUP	0.019			
1079100 Split PREP DUP	0.028			
1079113 Orig	0.006			
1079113 Dup	0.005			
1079123 Orig	0.021			
1079123 Dup	0.021			
1079133 Orig	0.011			
1079133 Dup	0.009			
1079150 Split Orig PREP DUP	< 0.005			
1079150 Split PREP DUP	< 0.005			
1079150 Split PREP DUP	< 0.005			
1079157 Orig	0.145			
1079157 Dup	0.170			
1079167 Orig	0.269			
1079167 Dup	0.222			
1079182 Orig	0.150			
1079182 Dup	0.114			
1079192 Orig	2.889			
1079200 Split Orig PREP DUP	0.551			
1079200 Split PREP DUP	0.474			
1079201 Orig	0.065			
1079201 Dup	0.057			
1079226 Orig	0.073			
1079226 Dup	0.080			
1079237 Orig	0.260			
1079237 Dup	0.259			
1079250 Split Orig PREP DUP	0.089			
1079250 Split PREP DUP	0.097			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
1079250 Orig	0.091			
1079250 Dup	0.086			
1079261 Orig	0.300			
1079261 Dup	0.234			
1079270 Orig	0.230			
1079270 Dup	0.220			
1079285 Orig	0.116			
1079285 Dup	0.116			
1079295 Orig	0.260			
1079295 Dup	0.353			
1079300 Split Orig PREP DUP	0.141			
1079300 Split PREP DUP	0.125			
1079309 Orig			5.62	493.20
1079319 Orig	0.145			
1079319 Dup	0.120			
1079329 Orig	0.314			
1079329 Dup	0.293			
1079339 Orig	0.392			
1079339 Dup	0.289			
1079350 Split Orig PREP DUP	0.178			
1079350 Split PREP DUP	0.173			
1079353 Orig	0.050			
1079353 Dup	0.045			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
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Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank			< 0.03	0.00000
Method Blank			< 0.03	0.00000



IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

Report No.: A20-02643  
 Report Date: 26-Mar-20  
 Date Submitted: 04-Mar-20  
 Your Reference: 234

ATTN: Alan Smith

## CERTIFICATE OF ANALYSIS

156 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2020-03-24 10:32:58
1A3-50-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-03-25 11:27:49

REPORT **A20-02643**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
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 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1079361	0.249	
1079362	0.117	
1079363	0.675	
1079364	0.358	
1079365	0.409	
1079366	0.076	
1079367	0.017	
1079368	0.009	
1079369	0.010	
1079370	0.009	
1079371	< 0.005	
1079372	< 0.005	
1079373	0.007	
1079374	0.028	
1079375	0.012	
1079376	0.024	
1079377	0.363	
1079378	0.065	
1079379	3.074	3.13
1079380	0.366	
1079381	0.263	
1079382	1.010	
1079383	1.454	
1079384	0.224	
1079385	0.410	
1079386	0.130	
1079387	0.246	
1079388	0.072	
1079389	0.272	
1079390	0.402	
1079391	0.111	
1079392	3.329	3.61
1079393	0.341	
1079394	0.386	
1079395	0.976	
1079396	< 0.005	
1079397	0.168	
1079398	0.791	
1079399	0.280	
1079400	0.098	
1079401	0.313	
1079402	0.564	
1079403	0.807	
1079404	0.947	
1079405	0.638	
1079406	0.426	
1079407	3.052	3.27
1079408	1.075	
1079409	0.611	
1079410	0.543	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1079411	0.548	
1079412	0.680	
1079413	0.366	
1079414	0.026	
1079415	0.008	
1079416	0.006	
1079417	< 0.005	
1079418	< 0.005	
1079419	0.019	
1079420	0.050	
1079421	0.085	
1079422	0.255	
1079423	0.262	
1079424	< 0.005	
1079425	0.464	
1079426	0.373	
1079427	0.421	
1079428	1.391	
1079429	1.920	
1079430	1.146	
1079431	0.987	
1079432	0.118	
1079433	0.070	
1079434	0.272	
1079435	0.027	
1079436	0.487	
1079437	0.257	
1079438	0.562	
1079439	0.580	
1079440	0.267	
1079441	0.020	
1079442	0.150	
1079443	0.100	
1079444	0.232	
1079445	0.052	
1079446	0.574	
1079447	1.273	
1079448	0.007	
1079449	0.032	
1079450	0.047	
1079451	0.166	
1079452	0.157	
1079453	4.492	4.81
1079454	0.227	
1079455	0.132	
1079456	2.525	
1079457	0.100	
1079458	0.100	
1079459	0.084	
1079460	1.577	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1079461	0.119	
1079462	0.161	
1079463	0.604	
1079464	0.166	
1079465	0.969	
1079466	1.735	
1079467	0.130	
1079468	0.136	
1079469	0.163	
1079470	0.148	
1079471	0.407	
1079472	0.005	
1079473	1.858	
1079474	0.272	
1079475	0.040	
1079476	0.521	
1079477	0.272	
1079478	0.307	
1079479	0.694	
1079480	0.409	
1079481	0.118	
1079482	0.031	
1079483	0.020	
1079484	0.232	
1079485	0.032	
1079486	3.864	4.26
1079487	1.475	
1079488	0.381	
1079489	0.904	
1079490	0.651	
1079491	1.288	
1079492	0.602	
1079493	0.488	
1079494	0.257	
1079495	0.237	
1079496	< 0.005	
1079497	0.411	
1079498	0.294	
1079499	0.152	
1079500	0.388	
1079501	0.607	
1079502	0.863	
1079503	1.045	
1079504	0.728	
1079505	0.012	
1079506	0.168	
1079507	0.722	
1079508	1.049	
1079509	0.745	
1079510	0.690	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1079511	0.818	
1079512	0.689	
1079513	0.370	
1079514	0.265	
1079515	0.650	
1079516	0.196	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
SN75 Meas		8.68
SN75 Cert		8.67
OREAS 217 (Fire Assay) Meas	0.344	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.338	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.338	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.338	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.336	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.340	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.328	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.334	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		13.9
OREAS 257 Cert		14.18
1079370 Orig	0.009	
1079370 Dup	0.008	
1079380 Orig	0.334	
1079380 Dup	0.397	
1079390 Orig	0.446	
1079390 Dup	0.358	
1079405 Orig	0.610	
1079405 Dup	0.666	
1079410 Split Orig PREP DUP	0.543	
1079410 Split PREP DUP	0.536	
1079414 Orig	0.022	
1079414 Dup	0.031	
1079424 Orig	< 0.005	
1079424 Dup	< 0.005	
1079439 Orig	0.558	
1079439 Dup	0.601	
1079449 Orig	0.027	
1079449 Dup	0.036	
1079461 Split Orig PREP DUP	0.119	
1079461 Split	0.090	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
PREP DUP		
1079473 Dup	1.858	
1079474 Orig	0.286	
1079474 Dup	0.258	
1079485 Orig	0.035	
1079485 Dup	0.030	
1079494 Orig	0.307	
1079494 Dup	0.207	
1079509 Orig	0.742	
1079509 Dup	0.749	
1079510 Split Orig PREP DUP	0.690	
1079510 Split PREP DUP	0.670	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	0.005	
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank	< 0.005	
Method Blank	< 0.005	



Report No.: A20-02642  
 Report Date: 26-Mar-20  
 Date Submitted: 04-Mar-20  
 Your Reference: 234

IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

ATTN: Alan Smith

**CERTIFICATE OF ANALYSIS**

235 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2020-03-24 07:52:27
1A3-50-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-03-25 11:30:33
1A4 (100mesh)-Timmins	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2020-03-25 11:12:48

REPORT **A20-02642**

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
455166	0.182								
455167	0.081								
455168	0.079								
455169	0.274								
455170	0.074								
455171	0.275								
455172	< 0.005								
455173	0.153								
455174	0.111								
455175	0.073								
455176	0.302								
455177	0.221								
455178	0.043								
455179	0.256								
455180	0.163								
455181	0.202								
455182	0.107								
455183	0.213								
455184	0.234								
455185	0.076								
455186	0.076								
455187	0.028								
455188	0.033								
455189	0.051								
455190	0.107								
455191	0.321								
455192	0.087								
455193	0.050								
455194	0.191								
455195	0.153								
455196	< 0.005								
455197	0.286								
455198	0.060								
455199	0.156								
455200	0.412								
455201	0.722								
455202	0.398								
455203	0.242								
455204	0.113								
455205	0.811								
455206	0.091								
455207	0.210								
455208	0.448								
455209	0.030								
455210	0.046								
455211	0.096								
455212	0.665								
455213	0.089								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
455214	0.159								
455215	0.153								
455216	0.068								
455217	0.101								
455218	0.081								
455219	0.133								
455220	0.126								
455221	0.430								
455222	0.174								
455223	0.155								
455224	0.006								
455225	0.268								
455226	0.158								
455227	0.178								
455228	0.029								
455229	0.047								
455230	0.034								
455231	0.187								
455232	0.060								
455233	0.161								
455234	0.025								
455235	0.073								
455236	0.450								
455237	0.249								
455238	0.979								
455239	0.093								
455240	0.827								
455241	0.207								
455242	0.622								
455243	0.162								
455244	0.406								
455245	0.122								
455246	0.042								
455247	0.040								
455248	0.005								
455249	0.778								
455250	0.884								
455251	0.322								
455252	0.117								
455253	0.194								
455254	0.162								
455255	0.054								
455256	0.067								
455257	0.104								
455258	0.234								
455259	0.054								
455260	1.565								
455261	0.044								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
455262	0.085								
455263	0.348								
455264	1.695								
455265	0.027								
455266	0.388								
455267	0.200								
455268	1.280								
455269	0.389								
455270	0.543								
455271	0.391								
455272	0.009								
455273	0.046								
455274	0.111								
455275	0.041								
455276	0.019								
455277	0.042								
455278	0.034								
455279	0.024								
455280	0.042								
455281	0.058								
455282	0.077								
455283	0.092								
455284	0.226								
455285	0.101								
455286	0.127								
455287	0.047								
455288	0.034								
455289	0.038								
455290	0.060								
455291	0.048								
455292	0.023								
455293	0.017								
455294	0.046								
455295	0.058								
455296	< 0.005								
455297	0.039								
455298	0.010								
455299	0.026								
455300	0.039								
455301	0.037								
455302	0.053								
455303	0.032								
455304	0.100								
455305	0.020								
455306	0.006								
455307	0.008								
455308	< 0.005								
455309	0.049								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
455310	0.103								
455311	0.016								
455312	0.641								
455313	0.009								
455314	0.009								
455315	0.005								
455316	0.013								
455317	< 0.005								
455318	< 0.005								
455319	0.006								
455320	0.006								
455321	< 0.005								
455322	0.012								
455323	> 5.000	25.3	88.5	30.9	29.0	32.1	18.29	471.74	490.03
455324	0.005								
455325	0.030								
455326	0.014								
455327	0.005								
455328	0.006								
455329	0.010								
455330	0.005								
455331	< 0.005								
455332	< 0.005								
455333	< 0.005								
455334	0.024								
455335	0.253								
455336	0.479								
455337	0.684								
455338	0.436								
455339	1.021								
455340	0.319								
455341	0.093								
455342	0.060								
455343	0.182								
455344	0.219								
455345	0.857								
455346	0.195								
455347	0.262								
455348	0.007								
455349	0.529								
455350	0.305								
455351	0.312								
455352	0.588								
455353	0.170								
455354	0.162								
455355	0.377								
455356	0.086								
455357	0.068								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
455358	0.070								
455359	0.065								
455360	1.539								
455361	0.710								
455362	0.632								
455363	0.141								
455364	0.172								
455365	0.061								
455366	0.106								
455367	0.247								
455368	0.517								
455369	0.624								
455370	0.761								
455371	0.132								
455372	0.006								
455373	0.039								
455374	2.123								
455375	0.192								
455376	0.041								
455377	0.205								
455378	0.108								
455379	0.025								
455380	0.186								
455381	0.357								
455382	0.080								
455383	0.033								
455384	0.226								
455385	0.069								
455386	1.424								
455387	1.645								
455388	0.938								
455389	0.013								
455390	0.178								
455391	0.044								
455392	0.057								
455393	0.148								
455394	0.483								
455395	0.413								
455396	0.005								
455397	0.559								
455398	0.463								
455399	0.645								
455400	0.665								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.72		
SN75 Cert		8.67		
OREAS 217 (Fire Assay) Meas	0.344			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.337			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.330			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.325			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.347			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.332			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.326			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.334			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.333			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 257 Meas		14.4	14.2	
OREAS 257 Cert		14.18	14.18	
455175 Orig	0.060			
455175 Dup	0.086			
455185 Orig	0.077			
455185 Dup	0.075			
455195 Orig	0.153			
455195 Dup	0.153			
455210 Orig	0.047			
455210 Dup	0.046			
455215 Split Orig PREP DUP	0.153			
455215 Split PREP DUP	0.175			
455229 Orig	0.043			
455229 Dup	0.052			
455244 Orig	0.387			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
455244 Dup	0.426			
455254 Orig	0.182			
455254 Dup	0.142			
455264 Orig	1.725			
455264 Dup	1.665			
455265 Split Orig PREP DUP	0.027			
455265 Split PREP DUP	0.032			
455278 Orig	0.037			
455278 Dup	0.031			
455288 Orig	0.035			
455288 Dup	0.032			
455298 Orig	0.011			
455298 Dup	0.009			
455313 Orig	0.009			
455313 Dup	0.009			
455315 Split Orig PREP DUP	0.005			
455315 Split PREP DUP	0.008			
455322 Orig	0.007			
455322 Dup	0.017			
455332 Orig	0.006			
455332 Dup	< 0.005			
455357 Orig	0.072			
455357 Dup	0.064			
455365 Split Orig PREP DUP	0.061			
455365 Split PREP DUP	0.053			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank		< 0.03	0.00000	
Method Blank		< 0.03	0.00000	

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank	< 0.005			
Method Blank	< 0.005			



Report No.: A20-03067
Report Date: 08-Apr-20
Date Submitted: 12-Mar-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

280 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s), Description, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-03067

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
455401	1.045								
455402	2.864								
455403	1.013								
455404	0.180								
455405	0.646								
455406	0.020								
455407	0.032								
455408	0.265								
455409	0.546								
455410	0.823								
455411	0.180								
455412	0.722								
455413	0.021								
455414	0.179								
455415	0.275								
455416	0.382								
455417	0.325								
455418	0.732								
455419	0.170								
455420	0.322								
455421	0.272								
455422	0.142								
455423	0.445								
455424	< 0.005								
455425	0.691								
455426	0.497								
455427	0.530								
455428	0.060								
455429	0.149								
455430	0.069								
455431	0.290								
455432	0.013								
455433	0.011								
455434	0.099								
455435	> 5.000	18.4	161	4.64	4.27	11.7	22.64	468.46	491.10
455436	0.007								
455437	0.453								
455438	0.121								
455439	0.546								
455440	0.537								
455441	0.671								
455442	0.172								
455443	0.666								
455444	1.140								
455445	0.147								
455446	0.597								
455447	0.018								
455448	< 0.005								

Results

Activation Laboratories Ltd.

Report: A20-03067

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
455449	0.110								
455450	0.845								
455451	0.320								
455452	0.069								
455453	0.110								
455454	0.303								
455455	0.083								
455456	0.262								
455457	0.869								
455458	1.212								
455459	0.290								
455460	1.598								
455461	1.455								
455462	2.852								
455463	0.437								
455464	0.145								
455465	0.323								
455466	0.488								
455467	0.908								
455468	0.233								
455469	2.245								
455470	1.109								
455471	4.934	4.72							
455472	0.006								
455473	0.346								
455474	0.242								
455475	0.261								
455476	0.290								
455477	0.166								
455478	0.177								
455479	0.248								
455480	0.632								
455481	2.164								
455482	> 5.000	16.2	863	7.40	6.75	28.3	12.00	473.15	485.15
455483	0.013								
455484	0.227								
455485	0.450								
455486	0.200								
455487	0.667								
455488	0.943								
455489	0.735								
455490	0.511								
455491	0.093								
455492	0.733								
455493	0.359								
455494	0.429								
455495	0.238								
455496	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
455497	0.105								
455498	0.328								
455499	0.564								
455500	0.845								
842251	0.517								
842252	0.487								
842253	0.639								
842254	0.772								
842255	0.913								
842256	1.166								
842257	1.079								
842258	0.523								
842259	0.202								
842260	1.556								
842261	0.206								
842262	0.280								
842263	0.047								
842264	0.005								
842265	< 0.005								
842266	0.092								
842267	0.058								
842268	0.092								
842269	0.272								
842270	0.068								
842271	3.334	3.26							
842272	0.012								
842273	0.170								
842274	0.092								
842275	0.124								
842276	0.995								
842277	0.529								
842278	0.150								
842279	0.347								
842280	0.279								
842281	0.134								
842282	0.368								
842283	0.315								
842284	0.227								
842285	0.775								
842286	0.794								
842287	1.497								
842288	1.296								
842289	0.262								
842290	0.350								
842291	0.336								
842292	< 0.005								
842293	0.436								
842294	0.132								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
842295	0.538								
842296	< 0.005								
842297	1.007								
842298	0.762								
842299	0.347								
842300	0.366								
842301	0.327								
842302	0.190								
842303	3.411	3.69							
842304	0.265								
842305	0.204								
842306	0.272								
842307	0.252								
842308	0.580								
842309	0.505								
842310	0.545								
842311	0.318								
842312	0.718								
842313	0.170								
842314	0.065								
842315	0.015								
842316	0.336								
842317	0.253								
842318	0.349								
842319	0.877								
842320	0.070								
842321	0.238								
842322	0.264								
842323	1.304								
842324	< 0.005								
842325	1.744								
842326	0.269								
842327	1.803								
842328	2.198								
842329	0.712								
842330	0.457								
842331	1.146								
842332	0.592								
842333	0.863								
842334	0.595								
842335	1.308								
842336	0.497								
842337	0.104								
842338	0.202								
842339	1.178								
842340	0.838								
842341	0.228								
842342	0.762								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
842343	1.040								
842344	0.566								
842345	0.508								
842346	0.390								
842347	0.030								
842348	< 0.005								
842349	0.417								
842350	0.421								
1080001	1.052								
1080002	1.303								
1080003	0.731								
1080004	0.427								
1080005	0.339								
1080006	0.466								
1080007	0.438								
1080008	0.265								
1080009	0.624								
1080010	0.419								
1080011	0.954								
1080012	0.702								
1080013	0.514								
1080014	0.942								
1080015	0.438								
1080016	0.328								
1080017	0.159								
1080018	2.747								
1080019	0.508								
1080020	0.507								
1080021	0.192								
1080022	0.941								
1080023	0.802								
1080024	< 0.005								
1080025	0.524								
1080026	1.012								
1080027	0.244								
1080028	0.967								
1080029	0.746								
1080030	0.777								
1080031	1.015								
1080032	0.730								
1080033	0.931								
1080034	0.454								
1080035	0.576								
1080036	0.484								
1080037	0.303								
1080038	0.267								
1080039	0.014								
1080040	1.807								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1080041	0.014								
1080042	0.008								
1080043	0.017								
1080044	0.011								
1080045	0.695								
1080046	1.543								
1080047	1.301								
1080048	< 0.005								
1080049	1.378								
1080050	0.963								
1080051	0.873								
1080052	0.612								
1080053	1.328								
1080054	0.842								
1080055	1.401								
1080056	1.089								
1080057	0.730								
1080058	0.227								
1080059	0.655								
1080060	1.643								
1080061	0.447								
1080062	2.045								
1080063	0.658								
1080064	0.547								
1080065	0.897								
1080066	0.077								
1080067	0.456								
1080068	0.137								
1080069	0.157								
1080070	0.201								
1080071	0.449								
1080072	< 0.005								
1080073	0.446								
1080074	0.365								
1080075	0.192								
1080076	0.063								
1080077	0.146								
1080078	0.045								
1080079	0.095								
1080080	0.044								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.71		
SN75 Cert		8.67		
SN75 Meas		8.77		
SN75 Cert		8.67		
OREAS 217 (Fire Assay) Meas	0.322			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.345			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.344			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.339			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.345			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.346			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.344			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.344			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.344			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.346			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.347			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.343			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.346			
OREAS 217 (Fire Assay) Cert	0.338			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 257 Meas		14.1	14.3	
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		14.6		
OREAS 257 Cert		14.18		
455445 Orig	0.133			
455445 Dup	0.161			
455450 Split Orig PREP DUP	0.845			
455450 Split PREP DUP	0.737			
455464 Orig	0.168			
455464 Dup	0.121			
455479 Orig	0.250			
455479 Dup	0.247			
455489 Orig	0.707			
455489 Dup	0.764			
455499 Orig	0.552			
455499 Dup	0.577			
455500 Split Orig PREP DUP	0.845			
455500 Split PREP DUP	0.734			
842263 Orig	0.053			
842263 Dup	0.042			
842283 Orig	0.314			
842283 Dup	0.315			
842298 Orig	0.767			
842298 Dup	0.756			
842300 Split Orig PREP DUP	0.366			
842300 Split PREP DUP	0.322			
842307 Orig	0.239			
842307 Dup	0.264			
842317 Orig	0.303			
842317 Dup	0.203			
842332 Orig	0.618			
842332 Dup	0.566			
842350 Split Orig PREP DUP	0.421			
842350 Split PREP DUP	0.338			
1080037 Orig	0.318			
1080037 Dup	0.287			
1080050 Split Orig PREP DUP	0.963			
1080050 Split PREP DUP	1.051			
1080061 Orig	0.413			
1080061 Dup	0.482			
1080070 Orig	0.224			
1080070 Dup	0.177			



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank			< 0.03	0.00000
Method Blank			< 0.03	0.00000
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		



IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

Report No.: A20-03608  
 Report Date: 15-Apr-20  
 Date Submitted: 25-Mar-20  
 Your Reference: 234

ATTN: Alan Smith

## CERTIFICATE OF ANALYSIS

54 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2020-04-14 12:26:45

REPORT **A20-03608**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

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 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
1080081	0.169
1080082	0.006
1080083	0.071
1080084	0.219
1080085	0.300
1080086	0.005
1080087	0.007
1080088	0.483
1080089	0.669
1080090	0.789
1080091	< 0.005
1080092	0.379
1080093	0.011
1080094	0.273
1080095	0.029
1080096	< 0.005
1080097	0.011
1080098	0.104
1080099	< 0.005
1080100	0.179
1080101	0.093
1080102	0.174
1080103	0.428
1080104	0.639
1080105	0.502
1080106	0.213
1080107	0.289
1080108	0.134
1080109	0.721
1080110	0.477
1080111	0.807
1080112	0.684
1080113	0.351
1080114	0.120
1080115	0.214
1080116	0.194
1080117	0.338
1080118	0.221
1080119	0.317
1080120	0.410
1080121	0.108
1080122	0.197
1080123	0.015
1080124	0.005
1080125	0.025
1080126	0.011
1080127	0.005
1080128	0.011
1080129	0.212
1080130	0.198
1080131	0.079

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
1080132	0.079
1080133	0.109
1080134	0.024

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
OREAS 217 (Fire Assay) Meas	0.330
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.335
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.342
OREAS 217 (Fire Assay) Cert	0.338
1080090 Orig	0.783
1080090 Dup	0.795
1080100 Orig	0.179
1080100 Dup	0.179
1080110 Orig	0.501
1080110 Dup	0.453
1080125 Orig	0.023
1080125 Dup	0.026
1080130 Split Orig PREP DUP	0.198
1080130 Split PREP DUP	0.185
1080134 Orig	0.024
1080134 Dup	0.024
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005



Report No.: A20-03276
Report Date: 13-Apr-20
Date Submitted: 18-Mar-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

171 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s), Description, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-03276

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1077001	0.011								
1077002	0.018								
1077003	0.005								
1077004	0.071								
1077005	0.019								
1077006	0.011								
1077007	0.021								
1077008	0.045								
1077009	0.014								
1077010	0.281								
1077011	0.054								
1077012	0.697								
1077013	0.046								
1077014	0.012								
1077015	0.018								
1077016	0.005								
1077017	2.104								
1077018	0.036								
1077019	0.043								
1077020	0.021								
1077021	0.021								
1077022	0.046								
1077023	0.015								
1077024	< 0.005								
1077025	0.029								
1077026	0.068								
1077027	0.201								
1077028	0.084								
1077029	0.034								
1077030	0.051								
1077031	0.046								
1077032	0.683								
1077033	0.023								
1077034	0.015								
1077035	0.021								
1077036	0.484								
1077037	0.021								
1077038	0.127								
1077039	0.046								
1077040	0.020								
1077041	0.018								
1077042	0.011								
1077043	0.455								
1077044	0.027								
1077045	0.050								
1077046	0.330								
1077047	0.037								
1077048	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1077049	0.035								
1077050	0.044								
1077051	0.050								
1077052	0.043								
1077053	< 0.005								
1077054	0.086								
1077055	0.236								
1077056	0.305								
1077057	2.800								
1077058	0.210								
1077059	0.072								
1077060	1.559								
1077061	3.141	3.73							
1077062	0.135								
1077063	1.576								
1077064	0.052								
1077065	0.072								
1077066	0.167								
1077067	0.018								
1077068	0.066								
1077069	0.381								
1077070	> 5.000	4.67	2.78	3.92	4.46	4.17	30.53	1717.0	1747.5
1077071	0.041								
1077072	< 0.005								
1077073	0.085								
1077074	0.600								
1077075	0.169								
1077076	0.081								
1077077	0.079								
1077078	0.079								
1077079	0.013								
1077080	0.115								
1077081	0.083								
1077082	> 5.000	5.74	2.60	2.63	2.48	2.56	27.31	1134.0	1161.3
1077083	0.270								
1077084	0.228								
1077085	0.009								
1077086	0.236								
1077087	0.089								
1077088	0.174								
1077089	0.069								
1077090	0.042								
1077091	0.163								
1077092	0.052								
1077093	0.028								
1077094	0.030								
1077095	0.151								
1077096	< 0.005								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1077097	0.149								
1077098	0.034								
1077099	0.045								
1077100	0.016								
1077101	0.034								
1077102	0.022								
1077103	0.128								
1077104	0.103								
1077105	0.062								
1077106	0.328								
1077107	0.080								
1077108	0.092								
1077109	0.197								
1077110	0.252								
1077111	0.344								
1077112	0.684								
1077113	0.030								
1077114	1.234								
1077115	2.702								
1077116	2.594								
1077117	0.070								
1077118	0.045								
1077119	0.360								
1077120	0.029								
1077121	0.047								
1077122	0.273								
1077123	0.049								
1077124	< 0.005								
1077125	0.094								
1077126	0.182								
1077127	0.131								
1077128	0.202								
1077129	0.245								
1077130	0.081								
1077131	0.150								
1077132	0.046								
1077133	0.020								
1077134	0.160								
1077135	1.538								
1077136	0.480								
1077137	0.141								
1077138	0.168								
1077139	0.147								
1077140	0.192								
1077141	0.037								
1077142	0.010								
1077143	0.012								
1077144	0.562								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1077145	0.019								
1077146	0.005								
1077147	0.262								
1077148	< 0.005								
1077149	0.052								
1077150	0.054								
1077151	0.049								
1077152	0.241								
1077153	0.393								
1077154	0.111								
1077155	0.095								
1077156	0.082								
1077157	> 5.000	13.7	22.0	11.5	11.9	11.9	36.83	1789.0	1825.8
1077158	0.168								
1077159	0.198								
1077160	1.631								
1077161	0.118								
1077162	0.310								
1077163	0.232								
1077164	0.238								
1077165	0.213								
1077166	0.786								
1077167	0.142								
1077168	2.205								
1077169	0.132								
1077170	0.103								
1077179	< 0.005								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.68		
SN75 Cert		8.67		
OREAS 217 (Fire Assay) Meas	0.336			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.341			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.345			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.340			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.325			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 257 Meas		14.3	13.9	
OREAS 257 Cert		14.18	14.18	
1077010 Orig	0.322			
1077010 Dup	0.240			
1077020 Orig	0.024			
1077020 Dup	0.019			
1077030 Orig	0.057			
1077030 Dup	0.045			
1077045 Orig	0.050			
1077050 Split Orig PREP DUP	0.044			
1077050 Split PREP DUP	0.051			
1077054 Orig	0.069			
1077054 Dup	0.103			
1077064 Orig	0.062			
1077064 Dup	0.041			
1077079 Orig	0.014			
1077079 Dup	0.011			
1077089 Orig	0.071			
1077089 Dup	0.068			
1077099 Orig	0.045			
1077100 Split Orig PREP DUP	0.016			
1077100 Split PREP DUP	0.018			
1077113 Orig	0.036			
1077113 Dup	0.025			
1077123 Orig	0.052			
1077123 Dup	0.045			
1077133 Orig	0.018			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
1077133 Dup	0.022			
1077148 Orig	< 0.005			
1077148 Dup	< 0.005			
1077150 Split Orig PREP DUP	0.054			
1077150 Split PREP DUP	0.047			
1077157 Orig	> 5.000	14.1	11.9	1825.8
1077157 Dup	> 5.000	13.2		
1077167 Orig	0.120			
1077167 Dup	0.165			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank			< 0.03	0.00000
Method Blank			< 0.03	0.00000



Report No.: A20-03607  
 Report Date: 21-Apr-20  
 Date Submitted: 25-Mar-20  
 Your Reference: 234

IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

ATTN: Alan Smith

## CERTIFICATE OF ANALYSIS

139 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2020-04-19 12:21:38
1A3-50-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-04-21 11:09:00

REPORT      **A20-03607**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1077171	0.296	
1077172	< 0.005	
1077173	0.301	
1077174	0.019	
1077175	0.068	
1077176	0.778	
1077177	0.530	
1077178	0.119	
1077180	0.392	
1077181	0.710	
1077182	0.315	
1077183	0.063	
1077184	0.233	
1077185	0.616	
1077186	0.943	
1077187	0.425	
1077188	0.625	
1077189	1.172	
1077190	0.852	
1077191	2.220	
1077192	0.856	
1077193	0.605	
1077194	0.194	
1077195	0.134	
1077196	< 0.005	
1077197	0.308	
1077198	0.352	
1077199	0.344	
1077200	0.297	
1077201	0.117	
1077202	0.075	
1077203	0.122	
1077204	0.167	
1077205	1.200	
1077206	0.051	
1077207	0.062	
1077208	0.059	
1077209	0.025	
1077210	0.048	
1077211	0.083	
1077212	0.697	
1077213	0.132	
1077214	0.070	
1077215	0.206	
1077216	0.559	
1077217	0.016	
1077218	0.023	
1077219	0.163	
1077220	0.042	
1077221	0.117	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1077222	1.083	
1077223	0.555	
1077224	< 0.005	
1077225	0.267	
1077226	0.716	
1077227	0.043	
1077228	0.057	
1077229	0.017	
1077230	0.011	
1077231	0.069	
1077232	0.150	
1077233	0.119	
1077234	0.143	
1077235	0.023	
1077236	0.489	
1077237	0.104	
1077238	1.786	
1077239	0.025	
1077240	0.097	
1077241	0.096	
1077242	0.219	
1077243	0.036	
1077244	0.023	
1077245	0.060	
1077246	0.147	
1077247	0.043	
1077248	< 0.005	
1077249	0.084	
1077250	0.104	
1077251	0.251	
1077252	0.138	
1077253	0.254	
1077254	3.781	3.52
1077255	0.189	
1077256	0.376	
1077257	0.095	
1077258	0.086	
1077259	0.032	
1077260	1.629	
1077261	0.108	
1077262	0.715	
1077263	0.033	
1077264	0.289	
1077265	0.174	
1077266	0.682	
1077267	0.575	
1077268	0.397	
1077269	0.039	
1077270	0.068	
1077271	0.083	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1077272	< 0.005	
1077273	0.448	
1077274	0.483	
1077275	0.661	
1077276	0.136	
1077277	0.431	
1077278	0.653	
1077279	0.745	
1077280	0.124	
1077281	0.145	
1077282	0.213	
1077283	0.273	
1077284	0.227	
1077285	0.122	
1077286	0.541	
1077287	0.449	
1077288	0.079	
1077289	0.063	
1077290	0.075	
1077291	0.199	
1077292	0.132	
1077293	0.174	
1077294	0.117	
1077295	0.119	
1077296	< 0.005	
1077297	0.177	
1077298	0.264	
1077299	0.787	
1077300	1.344	
1077301	0.213	
1077302	0.281	
1077303	0.201	
1077304	0.067	
1077305	0.276	
1077306	0.088	
1077307	0.102	
1077308	0.361	
1077309	0.489	
1077310	0.379	



Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
SN75 Meas		8.94
SN75 Cert		8.67
OREAS 217 (Fire Assay) Meas	0.336	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.334	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.340	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.319	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.337	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.320	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.4
OREAS 257 Cert		14.18
1077181 Orig	0.689	
1077181 Dup	0.731	
1077191 Orig	2.083	
1077191 Dup	2.356	
1077201 Orig	0.118	
1077201 Dup	0.116	
1077216 Orig	0.546	
1077216 Dup	0.572	
1077221 Split Orig PREP DUP	0.117	
1077221 Split PREP DUP	0.098	
1077225 Orig	0.269	
1077225 Dup	0.265	
1077235 Orig	0.029	
1077235 Dup	0.017	
1077250 Orig	0.104	
1077250 Dup	0.105	
1077261 Orig	0.102	
1077261 Dup	0.114	
1077270 Orig	0.075	
1077270 Dup	0.060	
1077271 Split Orig PREP DUP	0.083	
1077271 Split PREP DUP	0.092	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1077271 Orig	0.076	
1077271 Dup	0.090	
1077271 Split PREP DUP	0.092	
1077285 Orig	0.134	
1077285 Dup	0.109	
1077294 Orig	0.132	
1077294 Dup	0.103	
1077304 Orig	0.064	
1077304 Dup	0.069	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.02
Method Blank		< 0.02



Report No.: A20-03698
Report Date: 04-May-20
Date Submitted: 27-Mar-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

171 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Description, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-03698

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1077311	0.734								
1077312	0.691								
1077313	0.714								
1077314	1.199								
1077315	1.794								
1077316	2.191								
1077317	1.201								
1077318	1.567								
1077319	0.866								
1077320	2.983								
1077321	1.060								
1077322	0.903								
1077323	2.851								
1077324	0.007								
1077325	3.215	3.36							
1077326	2.445								
1077327	2.149								
1077328	0.551								
1077329	2.215								
1077330	1.400								
1077331	1.950								
1077332	2.972								
1077333	1.727								
1077334	1.127								
1077335	0.744								
1077336	0.472								
1077337	0.325								
1077338	0.876								
1077339	0.887								
1077340	3.295	3.31							
1077341	2.253								
1077342	2.412								
1077343	4.113	4.63							
1077344	1.356								
1077345	1.899								
1077346	0.186								
1077347	2.179								
1077348	0.006								
1077349	0.013								
1077350	0.011								
1077351	2.331								
1077352	1.974								
1077353	2.413								
1077354	2.163								
1077355	1.803								
1077356	1.274								
1077357	1.579								
1077358	2.075								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1077359	1.167								
1077360	1.624								
1077361	2.632								
1077362	0.952								
1077363	3.433	3.19							
1077364	3.018	3.03							
1077365	3.034	2.87							
1077366	4.411	3.81							
1077367	1.158								
1077368	2.058								
1077369	1.163								
1077370	1.010								
1077371	1.116								
1077372	0.007								
1077373	1.751								
1077374	1.161								
1077375	0.059								
1077376	0.014								
1077377	> 5.000	4.36	28.7	6.72	6.44	7.94	31.76	486.00	517.76
1077378	> 5.000	6.73	8.84	3.43	3.26	3.62	25.46	481.00	506.46
1077379	> 5.000	6.72	5.70	5.96	6.23	6.07	27.38	493.00	520.38
1077380	3.245	3.78							
1077381	0.436								
1077382	0.152								
1077383	1.549								
1077384	0.227								
1077385	1.020								
1077386	0.142								
1077387	0.558								
1077388	2.614								
1077389	0.991								
1077390	0.815								
1077391	2.764								
1077392	0.035								
1077393	0.040								
1077394	0.984								
1077395	0.745								
1077396	0.014								
1077397	1.214								
1077398	0.027								
1077399	0.660								
1077400	0.940								
1077401	3.538	3.50							
1077402	3.466	3.63							
1077403	3.603	4.04							
1077404	0.084								
1077405	0.784								
1077406	> 5.000	8.40	38.3	3.72	4.11	5.88	29.52	487.30	516.82

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1077407	0.825								
1077408	0.087								
1077409	3.314	3.59							
1077410	2.014								
1077411	0.762								
1077412	0.689								
1077413	1.389								
1077414	1.334								
1077415	0.023								
1077416	0.012								
1077417	0.013								
1077418	1.014								
1077419	0.090								
1077420	0.419								
1077421	1.011								
1077422	0.804								
1077423	0.440								
1077424	0.008								
1077425	0.347								
1077426	1.617								
1077427	1.318								
1077428	1.401								
1077429	0.264								
1077430	0.382								
1077431	0.403								
1077432	1.365								
1077433	1.061								
1077434	0.676								
1077435	0.726								
1077436	0.489								
1077437	1.136								
1077438	2.535								
1077439	0.606								
1077440	0.434								
1077441	0.445								
1077442	0.475								
1077443	1.189								
1077444	0.388								
1077445	1.934								
1077446	0.725								
1077447	2.444								
1077448	0.018								
1077449	0.505								
1077450	0.891								
1077451	0.578								
1077452	0.445								
1077453	0.341								
1077454	0.093								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1077455	0.262								
1077456	0.031								
1077457	0.924								
1077458	0.594								
1077459	0.827								
1077460	1.642								
1077461	0.638								
1077462	0.756								
1077463	0.967								
1077464	2.138								
1077465	1.483								
1077466	1.265								
1077467	2.512								
1077468	1.160								
1077469	1.567								
1077470	1.178								
1077471	0.829								
1077472	0.010								
1077473	2.050								
1077474	1.730								
1077475	1.521								
1077476	2.155								
1077477	2.489								
1077478	1.254								
1077479	1.703								
1077480	1.215								
1077481	1.362								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.60		
SN75 Cert		8.67		
SN75 Meas		8.61		
SN75 Cert		8.67		
OREAS 217 (Fire Assay) Meas	0.347			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.319			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.331			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.341			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.339			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.332			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 217 (Fire Assay) Meas	0.339			
OREAS 217 (Fire Assay) Cert	0.338			
OREAS 257 Meas		14.0	14.1	
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		14.0		
OREAS 257 Cert		14.18		
1077330 Orig	1.475			
1077330 Dup	1.325			
1077340 Orig	3.304			
1077340 Dup	3.287			
1077355 Orig	1.888			
1077355 Dup	1.719			
1077361 Split Orig PREP DUP	2.632			
1077361 Split PREP DUP	2.379			
1077364 Orig	2.995			
1077364 Dup	3.042			
1077374 Orig	1.171			
1077374 Dup	1.151			
1077399 Orig	0.665			
1077399 Dup	0.655			
1077410 Split Orig PREP DUP	2.014			



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
1077410 Split PREP DUP	2.207			
1077433 Orig	1.000			
1077433 Dup	1.121			
1077443 Orig	1.139			
1077443 Dup	1.239			
1077458 Orig	0.585			
1077458 Dup	0.604			
1077461 Split Orig PREP DUP	0.638			
1077461 Split PREP DUP	0.618			
1077467 Orig	2.441			
1077467 Dup	2.583			
1077477 Orig	2.310			
1077477 Dup	2.668			
Method Blank	0.005			
Method Blank	0.005			
Method Blank	0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank			< 0.03	0.00000
Method Blank			< 0.03	0.00000
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		



Report No.: A20-06718-8-4Acid
Report Date: 20-Jul-20
Date Submitted: 26-Jun-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

265 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
8-4 Acid Total Digestion | QOP Total Assay (Code 8-4 Acid Total Digestion Assays) | 2020-07-07 17:42:50

REPORT A20-06718-8-4Acid

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1075501	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
1075502	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.003
1075503	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075504	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075505	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075506	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
1075507	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
1075508	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
1075509	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
1075510	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
1075511	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
1075512	< 3	< 0.003	< 0.003	0.541	0.004	0.032	0.004	< 0.003	0.009
1075513	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075514	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075515	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075516	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075517	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.002
1075518	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
1075519	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.002
1075520	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.002
1075521	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.002
1075522	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.002
1075523	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	0.002
1075524	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075525	< 3	< 0.003	< 0.003	0.067	0.002	< 0.003	< 0.003	< 0.003	0.003
1075526	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075527	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075528	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
1075529	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
1075530	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
1075531	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.003
1075532	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
1075533	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.003
1075534	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.008
1075535	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.007
1075536	< 3	< 0.003	< 0.003	0.783	0.004	0.023	0.004	< 0.003	0.011
1075537	< 3	< 0.003	< 0.003	0.009	0.005	< 0.003	< 0.003	< 0.003	0.029
1075538	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.003
1075539	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075540	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.002
1075541	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.004
1075542	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.003
1075543	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.004
1075544	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.004
1075545	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.005
1075546	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.004
1075547	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
1075548	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075549	< 3	< 0.003	< 0.003	0.020	0.002	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1075550	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.003
1075551	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075552	< 3	< 0.003	< 0.003	0.088	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075553	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075554	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075555	< 3	< 0.003	0.004	0.009	0.003	< 0.003	0.016	< 0.003	0.005
1075556	< 3	< 0.003	0.005	0.009	0.002	< 0.003	0.017	< 0.003	0.005
1075557	< 3	< 0.003	0.005	0.006	0.002	< 0.003	0.021	< 0.003	0.005
1075558	< 3	< 0.003	0.005	0.004	0.002	< 0.003	0.025	< 0.003	0.005
1075559	< 3	< 0.003	0.005	0.070	0.002	< 0.003	0.028	< 0.003	0.005
1075560	< 3	< 0.003	< 0.003	1.09	0.003	0.047	0.004	< 0.003	0.010
1075561	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	0.007	< 0.003	0.002
1075562	< 3	< 0.003	0.004	0.017	0.003	< 0.003	0.013	< 0.003	0.003
1075563	< 3	< 0.003	0.006	0.022	0.003	< 0.003	0.047	< 0.003	0.008
1075564	< 3	< 0.003	0.010	0.002	< 0.001	< 0.003	0.097	< 0.003	0.007
1075565	< 3	< 0.003	0.010	< 0.001	< 0.001	< 0.003	0.113	< 0.003	0.006
1075566	< 3	< 0.003	0.010	< 0.001	< 0.001	< 0.003	0.118	< 0.003	0.005
1075567	< 3	< 0.003	0.011	< 0.001	< 0.001	< 0.003	0.122	< 0.003	0.005
1075568	< 3	< 0.003	0.011	< 0.001	< 0.001	< 0.003	0.120	< 0.003	0.005
1075569	< 3	< 0.003	0.010	0.001	< 0.001	< 0.003	0.120	< 0.003	0.005
1075570	< 3	< 0.003	0.011	< 0.001	< 0.001	< 0.003	0.122	< 0.003	0.005
1075571	< 3	< 0.003	0.010	0.005	< 0.001	< 0.003	0.111	< 0.003	0.005
1075572	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075573	< 3	< 0.003	0.010	< 0.001	0.003	< 0.003	0.061	< 0.003	0.007
1075574	< 3	< 0.003	0.005	< 0.001	0.003	< 0.003	0.031	< 0.003	0.005
1075575	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.027	< 0.003	0.005
1075576	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.027	< 0.003	0.005
1075577	< 3	< 0.003	0.004	0.002	0.004	< 0.003	0.023	< 0.003	0.005
1075578	< 3	< 0.003	0.004	0.004	0.004	< 0.003	0.022	< 0.003	0.005
1075579	< 3	< 0.003	0.004	0.002	0.004	< 0.003	0.021	< 0.003	0.005
1075580	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	0.015	< 0.003	0.006
1075581	< 3	< 0.003	0.004	< 0.001	0.004	< 0.003	0.016	< 0.003	0.004
1075582	< 3	< 0.003	< 0.003	0.005	0.004	< 0.003	0.015	< 0.003	0.005
1075583	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	0.020	< 0.003	0.005
1075584	< 3	< 0.003	< 0.003	0.283	0.004	0.010	0.007	< 0.003	0.008
1075585	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	0.022	< 0.003	0.006
1075586	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	0.010	< 0.003	0.004
1075587	< 3	< 0.003	< 0.003	0.002	0.004	< 0.003	0.014	< 0.003	0.004
1075588	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	0.012	< 0.003	0.004
1075589	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	0.012	< 0.003	0.004
1075590	< 3	< 0.003	0.003	0.004	0.002	< 0.003	0.011	< 0.003	0.004
1075591	< 3	< 0.003	0.003	0.005	0.001	< 0.003	0.009	< 0.003	0.004
1075592	< 3	< 0.003	0.003	0.006	0.001	< 0.003	0.010	< 0.003	0.004
1075593	< 3	< 0.003	0.004	0.004	0.001	< 0.003	0.010	< 0.003	0.004
1075594	< 3	< 0.003	0.003	0.007	0.002	< 0.003	0.008	< 0.003	0.004
1075595	< 3	< 0.003	0.003	< 0.001	0.006	< 0.003	0.007	< 0.003	0.005
1075596	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075597	< 3	< 0.003	0.004	0.001	0.006	< 0.003	0.006	< 0.003	0.006
1075598	< 3	< 0.003	0.004	0.004	0.001	< 0.003	0.005	< 0.003	0.005
1075599	< 3	< 0.003	0.004	0.013	0.001	< 0.003	0.005	< 0.003	0.005

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1075600	< 3	< 0.003	0.004	0.008	0.001	< 0.003	0.004	< 0.003	0.005
1075601	< 3	< 0.003	0.003	0.006	0.001	< 0.003	0.004	< 0.003	0.005
1075602	< 3	< 0.003	0.004	0.009	0.001	< 0.003	0.004	< 0.003	0.005
1075603	< 3	< 0.003	0.004	0.011	0.001	< 0.003	< 0.003	< 0.003	0.006
1075604	< 3	< 0.003	0.004	0.010	0.002	< 0.003	< 0.003	< 0.003	0.004
1075605	< 3	< 0.003	0.004	0.006	0.004	< 0.003	< 0.003	< 0.003	0.004
1075606	< 3	< 0.003	0.004	0.018	0.002	< 0.003	< 0.003	< 0.003	0.004
1075607	< 3	< 0.003	0.004	0.008	0.003	< 0.003	< 0.003	< 0.003	0.005
1075608	< 3	< 0.003	0.004	0.013	0.002	< 0.003	< 0.003	< 0.003	0.004
1075609	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.003
1075610	< 3	< 0.003	< 0.003	0.004	0.003	< 0.003	< 0.003	< 0.003	0.003
1075611	< 3	< 0.003	< 0.003	0.002	0.003	< 0.003	< 0.003	< 0.003	0.002
1075612	< 3	< 0.003	< 0.003	0.551	0.004	0.033	0.005	< 0.003	0.009
1075613	< 3	< 0.003	0.003	0.002	0.004	< 0.003	0.005	< 0.003	0.004
1075614	< 3	< 0.003	0.003	0.004	0.002	< 0.003	0.004	< 0.003	0.004
1075615	< 3	< 0.003	0.003	0.008	0.002	< 0.003	0.003	< 0.003	0.003
1075616	< 3	< 0.003	0.003	0.003	0.001	< 0.003	0.004	< 0.003	0.003
1075617	< 3	< 0.003	0.003	0.004	0.002	< 0.003	0.004	< 0.003	0.004
1075618	< 3	< 0.003	0.003	0.001	0.001	< 0.003	0.003	< 0.003	0.004
1075619	< 3	< 0.003	0.003	0.005	0.002	< 0.003	0.004	< 0.003	0.004
1075620	< 3	< 0.003	0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075621	< 3	< 0.003	0.004	0.001	0.002	< 0.003	0.004	< 0.003	0.004
1075622	< 3	< 0.003	0.003	0.002	0.001	< 0.003	0.004	< 0.003	0.004
1075623	< 3	< 0.003	0.004	0.011	0.002	< 0.003	0.004	< 0.003	0.004
1075624	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075625	< 3	< 0.003	0.003	0.053	0.003	< 0.003	0.004	< 0.003	0.004
1075626	< 3	< 0.003	0.004	0.084	0.007	< 0.003	0.004	< 0.003	0.004
1075627	< 3	< 0.003	0.004	0.027	0.005	< 0.003	0.005	< 0.003	0.004
1075628	< 3	< 0.003	< 0.003	0.035	0.005	< 0.003	< 0.003	< 0.003	0.003
1075629	< 3	< 0.003	< 0.003	0.037	0.007	< 0.003	0.004	< 0.003	0.004
1075630	< 3	< 0.003	0.003	0.023	0.007	< 0.003	< 0.003	< 0.003	0.004
1075631	< 3	< 0.003	0.003	0.009	0.002	< 0.003	0.004	< 0.003	0.004
1075632	< 3	< 0.003	< 0.003	0.013	0.004	< 0.003	< 0.003	< 0.003	0.003
1075633	< 3	< 0.003	0.004	0.012	0.002	< 0.003	< 0.003	< 0.003	0.005
1075634	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.004
1075635	< 3	< 0.003	0.004	0.041	0.001	< 0.003	0.004	< 0.003	0.007
1075636	< 3	< 0.003	< 0.003	0.752	0.004	0.022	0.003	0.004	0.010
1075637	< 3	< 0.003	0.004	0.121	0.001	< 0.003	0.004	< 0.003	0.007
1075638	< 3	< 0.003	0.004	0.032	0.001	< 0.003	< 0.003	< 0.003	0.005
1075639	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1075640	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075641	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075642	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075643	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
1075644	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075645	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075646	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
1075647	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.003
1075648	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1075649	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.002
1075650	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.002
1075651	< 3	< 0.003	< 0.003	0.020	0.007	< 0.003	< 0.003	< 0.003	0.004
1075652	< 3	< 0.003	< 0.003	0.012	0.003	< 0.003	< 0.003	< 0.003	0.004
1075653	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075654	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075655	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075656	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075657	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075658	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075659	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075660	< 3	< 0.003	< 0.003	1.11	0.003	0.049	0.003	0.004	0.011
1075661	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075662	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075663	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075664	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075665	< 3	< 0.003	< 0.003	0.011	< 0.001	0.004	< 0.003	< 0.003	< 0.001
1075666	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075667	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075668	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075669	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075670	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.001
1075671	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075672	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075673	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075674	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075675	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075676	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075677	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075678	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.001
1075679	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075680	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.001
1075681	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075682	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075683	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075684	< 3	< 0.003	< 0.003	0.284	0.004	0.010	0.006	< 0.003	0.008
1075685	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075686	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075687	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075688	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075689	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075690	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075691	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075692	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075693	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075694	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075695	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075696	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075697	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075698	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1075699	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075700	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075701	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075702	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075703	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075704	< 3	< 0.003	< 0.003	0.041	< 0.001	0.027	< 0.003	< 0.003	0.002
1075705	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075706	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075707	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075708	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075709	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075710	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075711	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075712	< 3	< 0.003	< 0.003	0.517	0.004	0.033	0.004	< 0.003	0.008
1075713	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075714	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075715	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075716	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075717	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075718	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075719	< 3	< 0.003	< 0.003	0.003	< 0.001	0.003	< 0.003	< 0.003	< 0.001
1075720	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075721	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075722	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075723	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075724	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075725	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075726	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075727	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075728	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075729	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075730	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075731	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075732	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075733	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075734	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075735	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075736	< 3	< 0.003	< 0.003	0.790	0.004	0.023	0.003	< 0.003	0.011
1075737	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075738	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075739	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075740	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075741	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075742	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075743	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075744	< 3	< 0.003	< 0.003	0.005	0.003	< 0.003	< 0.003	< 0.003	0.010
1075745	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.011
1075746	< 3	< 0.003	0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.011
1075747	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1075748	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075749	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075750	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075751	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075752	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1075753	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075754	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075755	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075756	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075757	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075758	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075759	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075760	< 3	< 0.003	< 0.003	1.08	0.003	0.048	< 0.003	< 0.003	0.011
1075761	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075762	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075763	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075764	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075765	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	130		2.08	24.8			46.6		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	133		2.07	25.2			46.7		
PTM-1a Cert	135		2.05	24.96			47.44		
HV-2 Meas				0.586		0.054	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.575		0.052	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.570		0.047	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.112	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.005		0.116	0.004	0.004	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.005		0.115	0.003	0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07238 (NCS DC 70006) Meas				0.009		1.43	0.004	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
MP-1b Meas	49	0.054		3.15		0.033		2.15	16.8
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	49	0.054		3.07		0.030		2.10	16.7
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	49	0.053		2.93		0.030		2.07	16.4
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.006	6.33				0.012	0.062
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	20		0.007	6.16				0.016	0.063
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	19		0.007	6.10				0.016	0.062
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 98 (4 Acid) Meas	45		0.012	14.7				0.034	0.133
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.013	14.6				0.034	0.135
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	47		0.013	15.2				0.034	0.138

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 13b (4-Acid) Meas	< 3		0.009	0.240		< 0.003	0.238		0.015
OREAS 13b (4-Acid) Cert	0.86			0.2327			0.2247		
NCS DC86303 Meas					0.221				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.212				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.221				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.84				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.83				
NCS DC86314 Cert					1.81				
CPB-2 Meas		0.016		0.125				63.5	6.06
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		0.016		0.126				61.4	6.18
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		0.017		0.126				64.5	6.20
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CZN-4 Meas	52	0.263	0.009	0.422				0.180	55.8
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	54	0.269	0.010	0.433				0.194	57.2
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	52	0.257	0.010	0.419				0.186	55.2
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.00				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.87				
Lithium Tetraborate FX-LT					8				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
100 lot#220610B Cert									
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.77				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	53		0.322	7.84			11.6	0.080	0.208
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.329	7.71			11.4	0.085	0.217
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.325	7.54			11.1	0.083	0.210
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	206	0.008	0.032	23.7				0.701	3.06
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	209	0.008	0.032	23.1				0.714	3.00
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	207	0.007	0.032	22.6				0.705	2.96
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	3.97				0.010	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.80				0.012	0.046
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.006	3.85				0.010	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
1075512 Orig	< 3	< 0.003	< 0.003	0.546	0.004	0.032	0.004	< 0.003	0.009
1075512 Dup	< 3	< 0.003	< 0.003	0.535	0.004	0.031	0.004	< 0.003	0.008
1075533 Orig	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.003
1075533 Dup	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.003
1075547 Orig	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
1075547 Dup	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
1075550 Split PREP DUP	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.002
1075561 Orig	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	0.007	< 0.003	0.002
1075561 Dup	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	0.007	< 0.003	0.002
1075578 Orig	< 3	< 0.003	0.004	0.004	0.004	< 0.003	0.021	< 0.003	0.005
1075578 Dup	< 3	< 0.003	0.004	0.004	0.004	< 0.003	0.022	< 0.003	0.005
1075596 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075596 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075600 Split PREP DUP	< 3	< 0.003	0.003	0.006	0.001	< 0.003	0.004	< 0.003	0.005
1075601 Orig	< 3	< 0.003	0.003	0.006	0.001	< 0.003	0.004	< 0.003	0.004
1075601 Dup	< 3	< 0.003	0.003	0.006	0.001	< 0.003	0.003	< 0.003	0.006
1075625 Orig	< 3	< 0.003	0.003	0.054	0.003	< 0.003	0.004	< 0.003	0.004

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1075625 Dup	< 3	< 0.003	0.003	0.052	0.002	< 0.003	0.004	< 0.003	0.004
1075640 Orig	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075640 Dup	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075650 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.002
1075650 Split PREP DUP	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.002
1075667 Orig	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075667 Dup	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075685 Orig	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075685 Dup	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075698 Orig	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075698 Dup	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075700 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075700 Split PREP DUP	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075717 Orig	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075717 Dup	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075724 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075724 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075737 Orig	< 3	< 0.003	< 0.003	0.008	< 0.001	0.003	< 0.003	< 0.003	0.002
1075737 Dup	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075750 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075750 Split PREP DUP	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075752 Orig	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1075752 Dup	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075765 Orig	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075765 Dup	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.003
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-06718-Au
Report Date: 13-Jul-20
Date Submitted: 26-Jun-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

265 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Test Name, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-06718-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075501	0.108								
1075502	0.044								
1075503	0.034								
1075504	0.017								
1075505	0.017								
1075506	0.038								
1075507	0.012								
1075508	0.262								
1075509	0.012								
1075510	0.068								
1075511	0.066								
1075512	0.655								
1075513	0.012								
1075514	0.194								
1075515	0.013								
1075516	0.098								
1075517	0.388								
1075518	0.176								
1075519	0.066								
1075520	0.109								
1075521	0.098								
1075522	0.028								
1075523	0.235								
1075524	< 0.005								
1075525	0.611								
1075526	0.898								
1075527	0.146								
1075528	0.008								
1075529	0.027								
1075530	0.102								
1075531	0.037								
1075532	0.039								
1075533	0.186								
1075534	0.010								
1075535	0.020								
1075536	0.497								
1075537	0.140								
1075538	0.153								
1075539	0.037								
1075540	0.064								
1075541	0.035								
1075542	0.035								
1075543	0.057								
1075544	0.049								
1075545	0.523								
1075546	0.547								
1075547	0.510								
1075548	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075549	0.573								
1075550	0.319								
1075551	0.314								
1075552	0.281								
1075553	0.672								
1075554	0.247								
1075555	0.197								
1075556	0.215								
1075557	0.052								
1075558	0.030								
1075559	2.294								
1075560	1.614								
1075561	1.489								
1075562	2.721								
1075563	0.494								
1075564	0.012								
1075565	0.053								
1075566	0.009								
1075567	0.014								
1075568	0.125								
1075569	< 0.005								
1075570	< 0.005								
1075571	0.068								
1075572	< 0.005								
1075573	0.016								
1075574	< 0.005								
1075575	< 0.005								
1075576	0.005								
1075577	0.013								
1075578	0.006								
1075579	0.016								
1075580	0.007								
1075581	0.072								
1075582	0.369								
1075583	0.051								
1075584	0.216								
1075585	0.024								
1075586	0.138								
1075587	0.042								
1075588	1.175								
1075589	< 0.005								
1075590	0.006								
1075591	0.012								
1075592	0.009								
1075593	0.038								
1075594	0.015								
1075595	< 0.005								
1075596	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075597	< 0.005								
1075598	0.015								
1075599	0.070								
1075600	0.023								
1075601	0.011								
1075602	0.042								
1075603	0.026								
1075604	0.023								
1075605	0.023								
1075606	0.059								
1075607	0.091								
1075608	0.046								
1075609	0.035								
1075610	0.040								
1075611	0.030								
1075612	0.689								
1075613	0.016								
1075614	0.013								
1075615	> 5.000	6.33	15.1	4.33	3.74	5.17	52.53	456.00	508.50
1075616	0.029								
1075617	0.041								
1075618	0.015								
1075619	0.062								
1075620	0.140								
1075621	0.015								
1075622	0.028								
1075623	0.060								
1075624	< 0.005								
1075625	0.462								
1075626	0.330								
1075627	0.779								
1075628	0.539								
1075629	0.043								
1075630	0.028								
1075631	0.034								
1075632	0.187								
1075633	0.049								
1075634	0.072								
1075635	0.099								
1075636	0.469								
1075637	0.254								
1075638	0.095								
1075639	0.352								
1075640	0.036								
1075641	0.041								
1075642	0.073								
1075643	0.048								
1075644	0.109								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075645	0.091								
1075646	0.013								
1075647	0.050								
1075648	< 0.005								
1075649	0.341								
1075650	0.027								
1075651	0.505								
1075652	0.710								
1075653	0.011								
1075654	0.060								
1075655	0.271								
1075656	0.569								
1075657	0.198								
1075658	0.031								
1075659	0.013								
1075660	1.609								
1075661	0.017								
1075662	0.021								
1075663	0.024								
1075664	0.020								
1075665	0.036								
1075666	0.047								
1075667	0.021								
1075668	0.055								
1075669	0.030								
1075670	0.024								
1075671	0.143								
1075672	< 0.005								
1075673	0.029								
1075674	0.150								
1075675	0.042								
1075676	0.065								
1075677	0.044								
1075678	0.033								
1075679	0.096								
1075680	0.215								
1075681	0.057								
1075682	0.199								
1075683	0.425								
1075684	0.244								
1075685	0.038								
1075686	0.033								
1075687	0.081								
1075688	0.505								
1075689	0.166								
1075690	0.281								
1075691	0.188								
1075692	0.211								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075693	0.042								
1075694	0.048								
1075695	0.051								
1075696	< 0.005								
1075697	0.030								
1075698	0.020								
1075699	0.028								
1075700	0.021								
1075701	0.060								
1075702	0.077								
1075703	0.047								
1075704	0.474								
1075705	0.041								
1075706	0.036								
1075707	0.091								
1075708	0.029								
1075709	0.080								
1075710	0.100								
1075711	0.023								
1075712	0.660								
1075713	0.064								
1075714	0.309								
1075715	0.134								
1075716	0.303								
1075717	0.260								
1075718	0.042								
1075719	0.071								
1075720	0.058								
1075721	0.087								
1075722	0.131								
1075723	0.078								
1075724	< 0.005								
1075725	0.066								
1075726	0.102								
1075727	0.308								
1075728	0.063								
1075729	0.081								
1075730	0.080								
1075731	0.035								
1075732	0.033								
1075733	0.076								
1075734	0.165								
1075735	0.270								
1075736	0.484								
1075737	0.091								
1075738	0.094								
1075739	0.383								
1075740	0.052								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075741	0.279								
1075742	0.046								
1075743	0.037								
1075744	0.006								
1075745	0.006								
1075746	< 0.005								
1075747	0.241								
1075748	< 0.005								
1075749	0.095								
1075750	0.117								
1075751	0.348								
1075752	0.067								
1075753	0.066								
1075754	0.167								
1075755	0.092								
1075756	0.024								
1075757	0.038								
1075758	0.216								
1075759	0.082								
1075760	1.634								
1075761	0.127								
1075762	3.579	3.33							
1075763	0.543								
1075764	0.678								
1075765	0.187								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.71		
SN75 Cert		8.67		
SN75 Meas		8.82		
SN75 Cert		8.67		
OREAS 257 Meas		13.8	14.7	
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		14.7		
OREAS 257 Cert		14.18		
Oreas 237 (fire Assay) Meas	2.213			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.133			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.211			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.139			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.147			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.201			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.235			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.211			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.288			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.274			
Oreas 237 (fire Assay) Cert	2.21			
Oreas E1336 (Fire Assay) Meas	0.523			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.502			
Oreas E1336 (Fire Assay) Cert	0.510			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
Oreas E1336 (Fire Assay) Meas	0.499			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.502			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.498			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.499			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.499			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.510			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.503			
Oreas E1336 (Fire Assay) Cert	0.510			
1075510 Orig	0.056			
1075510 Dup	0.079			
1075520 Orig	0.128			
1075520 Dup	0.089			
1075530 Orig	0.100			
1075530 Dup	0.104			
1075550 Split Orig PREP DUP	0.319			
1075550 Split PREP DUP	0.335			
1075554 Orig	0.271			
1075554 Dup	0.223			
1075564 Orig	0.012			
1075564 Dup	0.011			
1075579 Orig	0.018			
1075579 Dup	0.015			
1075589 Orig	< 0.005			
1075589 Dup	< 0.005			
1075599 Orig	0.056			
1075599 Dup	0.084			
1075600 Split Orig PREP DUP	0.023			
1075600 Split PREP DUP	0.021			
1075613 Orig	0.018			
1075613 Dup	0.015			



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank			< 0.03	0.00000
Method Blank			< 0.03	0.00000



Report No.: A20-06719-8-4Acid
Report Date: 23-Jul-20
Date Submitted: 26-Jun-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

234 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2020-07-10 21:41:56

REPORT A20-06719-8-4Acid

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1079517	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079518	< 3	< 0.003	< 0.003	0.029	0.002	< 0.003	< 0.003	< 0.003	0.002
1079519	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.003
1079520	< 3	< 0.003	< 0.003	0.019	0.002	< 0.003	< 0.003	< 0.003	0.006
1079521	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.003
1079522	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.003
1079523	< 3	< 0.003	< 0.003	0.019	0.002	< 0.003	< 0.003	< 0.003	0.004
1079524	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079525	< 3	< 0.003	< 0.003	0.020	0.002	< 0.003	< 0.003	< 0.003	0.005
1079526	< 3	< 0.003	< 0.003	0.018	0.002	< 0.003	< 0.003	< 0.003	0.005
1079527	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.004
1079528	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.005
1079529	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.002
1079530	3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.005
1079531	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	0.002
1079532	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.003
1079533	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	0.002
1079534	< 3	< 0.003	< 0.003	0.034	0.002	< 0.003	< 0.003	< 0.003	0.002
1079535	< 3	< 0.003	< 0.003	0.062	0.001	< 0.003	< 0.003	< 0.003	0.003
1079536	< 3	< 0.003	< 0.003	0.769	0.004	0.023	0.004	< 0.003	0.011
1079537	4	< 0.003	< 0.003	0.076	0.001	< 0.003	< 0.003	< 0.003	0.005
1079538	< 3	< 0.003	< 0.003	0.017	0.001	0.005	< 0.003	< 0.003	0.004
1079539	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	0.008	0.029
1079540	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	0.007	0.026
1079541	< 3	< 0.003	< 0.003	0.042	0.002	< 0.003	< 0.003	< 0.003	0.003
1079542	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.002
1079543	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.001
1079544	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079545	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.008
1079546	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.015
1079547	< 3	< 0.003	0.006	0.018	0.004	< 0.003	0.006	< 0.003	0.012
1079548	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	0.003	0.022
1079549	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	0.004	0.024
1079550	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079551	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1079552	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.008
1079553	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079554	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079555	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079556	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.005
1079557	< 3	< 0.003	< 0.003	0.021	0.003	< 0.003	< 0.003	< 0.003	0.007
1079558	< 3	< 0.003	< 0.003	0.018	0.003	< 0.003	< 0.003	< 0.003	0.005
1079559	< 3	< 0.003	< 0.003	0.010	0.005	< 0.003	< 0.003	< 0.003	0.006
1079560	< 3	< 0.003	< 0.003	1.06	0.003	0.048	< 0.003	< 0.003	0.011
1079561	< 3	< 0.003	< 0.003	0.010	0.003	< 0.003	< 0.003	< 0.003	0.007
1079562	< 3	< 0.003	0.003	0.190	0.002	< 0.003	< 0.003	< 0.003	0.003
1079563	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	0.012	< 0.003	0.003
1079564	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.006
1079565	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.007

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1079566	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.004
1079567	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.005
1079568	< 3	< 0.003	< 0.003	0.030	0.002	< 0.003	0.004	< 0.003	0.006
1079569	< 3	< 0.003	0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.005
1079570	< 3	< 0.003	0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.005
1079571	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.004
1079572	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079573	< 3	< 0.003	0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.006
1079574	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.005
1079575	< 3	< 0.003	< 0.003	0.009	0.003	< 0.003	< 0.003	< 0.003	0.004
1079576	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.004
1079577	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.003
1079578	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.011
1079579	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079580	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079581	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079582	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079583	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079584	< 3	< 0.003	< 0.003	0.274	0.004	0.013	0.005	< 0.003	0.008
1079585	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079586	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079587	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079588	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079589	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079590	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079591	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079592	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079593	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079594	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079595	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.002
1079596	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079597	< 3	< 0.003	< 0.003	0.018	0.002	< 0.003	< 0.003	< 0.003	0.002
1079598	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	0.003
1079599	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.002
1079600	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079601	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079602	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
1079603	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079604	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079605	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079606	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079607	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079608	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079609	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079610	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079611	< 3	< 0.003	< 0.003	0.004	< 0.001	0.003	< 0.003	< 0.003	0.001
1079612	< 3	< 0.003	< 0.003	0.527	0.004	0.035	0.004	< 0.003	0.009
1079613	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079614	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079615	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1079616	< 3	< 0.003	< 0.003	0.003	< 0.001	0.004	< 0.003	< 0.003	0.001
1079617	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079618	< 3	< 0.003	< 0.003	0.007	< 0.001	0.003	< 0.003	< 0.003	0.001
1079619	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079620	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.002
1079621	< 3	< 0.003	< 0.003	0.023	0.002	< 0.003	< 0.003	< 0.003	0.002
1079622	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
1079623	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079624	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079625	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079626	< 3	< 0.003	< 0.003	0.096	0.001	< 0.003	< 0.003	< 0.003	0.002
1079627	< 3	< 0.003	< 0.003	0.022	0.002	0.003	< 0.003	< 0.003	0.002
1079628	< 3	< 0.003	< 0.003	0.053	0.001	< 0.003	< 0.003	< 0.003	0.001
1079629	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079630	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079631	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079632	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	0.001
1079633	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	0.001
1079634	< 3	< 0.003	< 0.003	0.027	0.002	< 0.003	< 0.003	< 0.003	0.001
1079635	< 3	< 0.003	< 0.003	0.058	0.002	< 0.003	< 0.003	< 0.003	0.002
1079636	< 3	< 0.003	< 0.003	0.752	0.003	0.023	0.004	< 0.003	0.011
1079637	< 3	< 0.003	< 0.003	0.172	0.001	< 0.003	< 0.003	< 0.003	0.004
1079638	< 3	< 0.003	< 0.003	0.058	0.002	< 0.003	< 0.003	< 0.003	0.004
1079639	< 3	< 0.003	< 0.003	0.045	0.002	< 0.003	< 0.003	< 0.003	0.003
1079640	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079641	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079642	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079643	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079644	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079645	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079646	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	0.003	< 0.003	< 0.001
1079647	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079648	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079649	< 3	< 0.003	< 0.003	0.581	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1079650	< 3	< 0.003	< 0.003	0.403	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1079651	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079652	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079653	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079654	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079655	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.003
1079656	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
1079657	< 3	< 0.003	< 0.003	0.060	0.001	< 0.003	< 0.003	< 0.003	0.002
1079658	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079659	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079660	< 3	< 0.003	< 0.003	1.09	0.003	0.050	0.004	< 0.003	0.010
1079661	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079662	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079663	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.002
1079664	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1079665	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079666	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079667	< 3	< 0.003	< 0.003	0.004	0.003	< 0.003	< 0.003	< 0.003	0.002
1079668	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079669	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.001
1079670	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079671	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079672	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079673	< 3	< 0.003	< 0.003	0.001	0.005	< 0.003	0.005	< 0.003	0.005
1079674	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079675	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079676	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079677	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079678	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079679	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079680	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079681	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079682	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079683	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079684	< 3	< 0.003	< 0.003	0.268	0.004	0.007	0.006	< 0.003	0.008
1079685	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079686	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079687	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079688	< 3	< 0.003	< 0.003	0.052	0.001	< 0.003	< 0.003	< 0.003	0.001
1079689	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079690	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079691	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.001
1079692	< 3	< 0.003	< 0.003	0.022	0.003	< 0.003	0.004	< 0.003	0.005
1079693	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
1079694	< 3	< 0.003	< 0.003	0.044	0.001	< 0.003	< 0.003	< 0.003	0.002
1079695	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079696	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079697	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079698	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079699	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079700	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
1079701	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079702	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079703	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079704	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079705	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079706	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079707	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079708	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079709	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079710	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079711	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079712	< 3	< 0.003	< 0.003	0.527	0.003	0.033	0.005	< 0.003	0.009
1079713	< 3	< 0.003	< 0.003	0.013	< 0.001	0.009	< 0.003	< 0.003	0.001
1079714	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1079715	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079716	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079717	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079718	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079719	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.038
1079720	< 3	< 0.003	0.005	0.015	0.001	< 0.003	0.008	< 0.003	0.010
1079721	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079722	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079723	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079724	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079725	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079726	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079727	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079728	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079729	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079730	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079731	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079732	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079733	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079734	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079735	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079736	< 3	< 0.003	< 0.003	0.776	0.004	0.024	0.004	< 0.003	0.011
1079737	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079738	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079739	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079740	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079741	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079742	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079743	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079744	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079745	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079746	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079747	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079748	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079749	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079750	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	133		2.07	25.4			47.4		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	130		2.05	24.7			45.9		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	128		2.05	25.0			45.9		
PTM-1a Cert	135		2.05	24.96			47.44		
HV-2 Meas				0.570		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.574		0.053	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.005		0.108	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.115	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07238 (NCS DC 70006) Meas				0.010		1.46	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.47	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
MP-1b Meas	48	0.054		3.00		0.028		2.05	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.053		3.06		0.029		2.09	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	50	0.053		3.03		0.031		2.14	16.7
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.007	6.15				0.013	0.063
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	19		0.006	6.42				0.014	0.063
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 98 (4 Acid) Meas	45		0.013	15.1				0.034	0.138
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.012	14.9				0.034	0.138
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 13b (4-Acid) Meas	< 3		0.009	0.239		< 0.003	0.242		0.014
OREAS 13b (4-Acid) Cert	0.86			0.2327			0.2247		
NCS DC86303 Meas					0.213				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.218				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.83				
NCS DC86314 Cert					1.81				
CPB-2 Meas		0.016		0.122				63.5	6.08
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		0.016		0.121				63.5	6.02
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CZN-4 Meas	51	0.265	0.010	0.419				0.186	54.5
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.261	0.010	0.410				0.183	53.5
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	52	0.262	0.009	0.413				0.184	55.9
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.76				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.84				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	55		0.327	7.92			11.6	0.086	0.219
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.315	7.60			11.2	0.085	0.210
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	55		0.327	7.73			11.6	0.084	0.216
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	207	0.007	0.032	23.5				0.713	3.01
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	210	0.007	0.032	23.5				0.701	3.06
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	10		0.005	3.91				0.012	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4	11		0.005	3.84				0.009	0.044

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Acid) Meas									
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
1079528 Orig	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.005
1079528 Dup	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.005
1079529 Orig	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.003
1079529 Dup	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.002
1079549 Orig	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	0.005	0.024
1079549 Dup	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	0.004	0.024
1079563 Orig	< 3	< 0.003	< 0.003	0.020	0.002	< 0.003	0.012	0.004	0.003
1079563 Dup	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	0.012	< 0.003	0.003
1079566 Split PREP DUP	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.005
1079577 Orig	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.004
1079577 Dup	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.003
1079594 Orig	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079594 Dup	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.001
1079612 Orig	< 3	< 0.003	< 0.003	0.531	0.004	0.036	0.004	< 0.003	0.009
1079612 Dup	< 3	< 0.003	< 0.003	0.524	0.003	0.034	0.004	< 0.003	0.009
1079616 Split PREP DUP	< 3	< 0.003	< 0.003	0.004	< 0.001	0.005	< 0.003	< 0.003	0.002
1079617 Orig	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079617 Dup	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079641 Orig	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079641 Dup	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079656 Orig	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
1079656 Dup	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
1079666 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079666 Split PREP DUP	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079675 Orig	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079675 Dup	10	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079683 Orig	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
1079683 Dup	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079701 Orig	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079701 Dup	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079714 Orig	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079714 Dup	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079716 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079716 Split PREP DUP	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079733 Orig	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079733 Dup	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079750 Orig	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079750 Dup	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

Report No.: A20-06719-Au  
 Report Date: 08-Jul-20  
 Date Submitted: 26-Jun-20  
 Your Reference: 234

ATTN: Alan Smith

## CERTIFICATE OF ANALYSIS

234 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2020-06-30 16:12:51
1A3-50-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-07-06 12:48:22

REPORT      **A20-06719-Au**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
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Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1079517	0.034	
1079518	0.076	
1079519	0.051	
1079520	0.044	
1079521	0.132	
1079522	0.080	
1079523	0.059	
1079524	< 0.005	
1079525	0.061	
1079526	0.056	
1079527	0.088	
1079528	0.050	
1079529	0.073	
1079530	0.049	
1079531	0.114	
1079532	0.094	
1079533	0.085	
1079534	0.192	
1079535	0.182	
1079536	0.494	
1079537	0.307	
1079538	2.400	
1079539	0.110	
1079540	0.080	
1079541	0.768	
1079542	0.211	
1079543	1.606	
1079544	0.026	
1079545	2.478	
1079546	0.060	
1079547	0.007	
1079548	< 0.005	
1079549	0.124	
1079550	0.037	
1079551	0.147	
1079552	0.082	
1079553	0.057	
1079554	0.036	
1079555	0.019	
1079556	0.089	
1079557	0.138	
1079558	0.042	
1079559	0.021	
1079560	1.580	
1079561	0.027	
1079562	3.382	3.69
1079563	2.171	
1079564	0.100	
1079565	0.028	
1079566	0.078	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1079567	0.118	
1079568	0.110	
1079569	0.136	
1079570	0.052	
1079571	0.065	
1079572	0.005	
1079573	0.069	
1079574	0.028	
1079575	0.040	
1079576	0.085	
1079577	0.048	
1079578	0.367	
1079579	0.032	
1079580	0.030	
1079581	0.059	
1079582	0.064	
1079583	0.028	
1079584	0.221	
1079585	0.072	
1079586	0.069	
1079587	0.125	
1079588	0.040	
1079589	0.026	
1079590	0.048	
1079591	0.024	
1079592	0.033	
1079593	0.029	
1079594	0.075	
1079595	0.078	
1079596	0.005	
1079597	0.102	
1079598	0.053	
1079599	0.058	
1079600	0.050	
1079601	0.012	
1079602	0.089	
1079603	0.033	
1079604	0.041	
1079605	0.372	
1079606	0.113	
1079607	0.304	
1079608	0.063	
1079609	0.014	
1079610	0.025	
1079611	0.053	
1079612	0.686	
1079613	0.050	
1079614	0.923	
1079615	0.071	
1079616	0.255	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1079617	0.019	
1079618	0.061	
1079619	0.073	
1079620	0.365	
1079621	0.252	
1079622	0.115	
1079623	0.059	
1079624	< 0.005	
1079625	0.304	
1079626	0.226	
1079627	0.051	
1079628	0.070	
1079629	0.064	
1079630	0.062	
1079631	0.014	
1079632	0.172	
1079633	0.097	
1079634	0.192	
1079635	0.220	
1079636	0.477	
1079637	0.150	
1079638	0.128	
1079639	0.084	
1079640	0.019	
1079641	0.050	
1079642	0.107	
1079643	0.107	
1079644	0.027	
1079645	0.240	
1079646	0.203	
1079647	0.149	
1079648	0.005	
1079649	0.558	
1079650	0.418	
1079651	0.265	
1079652	0.116	
1079653	0.183	
1079654	0.246	
1079655	0.168	
1079656	0.237	
1079657	0.215	
1079658	0.140	
1079659	0.726	
1079660	1.602	
1079661	0.035	
1079662	0.480	
1079663	0.008	
1079664	< 0.005	
1079665	0.497	
1079666	0.052	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1079667	0.359	
1079668	0.889	
1079669	0.287	
1079670	0.178	
1079671	0.042	
1079672	< 0.005	
1079673	0.007	
1079674	0.084	
1079675	0.093	
1079676	0.434	
1079677	0.037	
1079678	0.031	
1079679	0.063	
1079680	0.043	
1079681	0.036	
1079682	0.023	
1079683	0.037	
1079684	0.218	
1079685	0.050	
1079686	0.066	
1079687	0.046	
1079688	0.194	
1079689	0.127	
1079690	0.102	
1079691	0.054	
1079692	0.566	
1079693	0.056	
1079694	0.227	
1079695	0.069	
1079696	< 0.005	
1079697	0.028	
1079698	0.626	
1079699	0.025	
1079700	0.008	
1079701	0.254	
1079702	0.156	
1079703	0.129	
1079704	0.068	
1079705	0.033	
1079706	0.063	
1079707	0.039	
1079708	0.064	
1079709	0.020	
1079710	0.028	
1079711	0.088	
1079712	0.719	
1079713	0.156	
1079714	0.097	
1079715	0.066	
1079716	0.059	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1079717	0.288	
1079718	0.252	
1079719	0.399	
1079720	0.006	
1079721	0.091	
1079722	0.096	
1079723	0.195	
1079724	< 0.005	
1079725	0.218	
1079726	0.113	
1079727	0.094	
1079728	0.101	
1079729	0.178	
1079730	0.209	
1079731	0.076	
1079732	0.034	
1079733	0.064	
1079734	0.077	
1079735	0.047	
1079736	0.482	
1079737	0.050	
1079738	0.088	
1079739	0.078	
1079740	0.098	
1079741	0.072	
1079742	0.066	
1079743	0.100	
1079744	0.103	
1079745	0.077	
1079746	0.075	
1079747	0.082	
1079748	< 0.005	
1079749	0.123	
1079750	0.067	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
SN75 Meas		8.87
SN75 Cert		8.67
Oreas 237 (fire Assay) Meas	2.200	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.210	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.284	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.295	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.256	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.197	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.224	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.202	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.248	
Oreas 237 (fire Assay) Cert	2.21	
Oreas E1336 (Fire Assay) Meas	0.520	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.517	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.530	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.504	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.499	
Oreas E1336 (Fire Assay) Meas	0.510	



Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
Assay) Cert		
Oreas E1336 (Fire Assay) Meas	0.499	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.507	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.519	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.525	
Oreas E1336 (Fire Assay) Cert	0.510	
1079526 Orig	0.057	
1079526 Dup	0.054	
1079537 Orig	0.301	
1079537 Dup	0.313	
1079546 Orig	0.068	
1079546 Dup	0.052	
1079561 Orig	0.028	
1079561 Dup	0.027	
1079566 Split Orig PREP DUP	0.078	
1079566 Split PREP DUP	0.082	
1079570 Orig	0.052	
1079570 Dup	0.051	
1079580 Orig	0.036	
1079580 Dup	0.023	
1079595 Orig	0.064	
1079595 Dup	0.091	
1079615 Orig	0.069	
1079615 Dup	0.073	
1079616 Split Orig PREP DUP	0.255	
1079616 Split PREP DUP	0.213	
1079629 Orig	0.067	
1079629 Dup	0.060	
1079639 Orig	0.076	
1079639 Dup	0.093	
1079649 Orig	0.574	
1079649 Dup	0.543	
1079664 Orig	0.008	
1079664 Dup	< 0.005	
1079666 Split Orig PREP DUP	0.052	
1079666 Split PREP DUP	0.041	
1079673 Orig	0.007	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
1079673 Dup	0.006	
1079683 Orig	0.049	
1079683 Dup	0.025	
1079708 Orig	0.069	
1079708 Dup	0.058	
1079716 Split Orig PREP DUP	0.059	
1079716 Split PREP DUP	0.058	
1079717 Orig	0.257	
1079717 Dup	0.319	
1079732 Orig	0.031	
1079732 Dup	0.038	
1079742 Orig	0.074	
1079742 Dup	0.058	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.02
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	



Report No.: A20-07078-8-4Acid
Report Date: 19-Aug-20
Date Submitted: 03-Jul-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

234 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2020-08-04 17:26:09

REPORT A20-07078-8-4Acid

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Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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## Results

## Activation Laboratories Ltd.

Report: A20-07078

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1079751	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079752	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079753	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079754	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079755	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079756	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079757	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079758	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079759	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079760	< 3	< 0.003	< 0.003	1.06	0.003	0.050	0.004	0.003	0.010
1079761	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079762	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079763	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079764	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079765	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079766	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079767	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079768	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079769	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079770	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079771	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079772	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079773	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079774	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079775	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079776	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079777	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079778	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079779	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079780	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079781	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079782	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079783	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079784	< 3	< 0.003	< 0.003	0.274	0.004	0.009	0.006	< 0.003	0.008
1079785	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079786	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079787	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079788	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079789	< 3	< 0.003	< 0.003	0.103	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079790	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079791	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079792	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079793	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079794	< 3	< 0.003	< 0.003	0.023	< 0.001	0.007	< 0.003	< 0.003	0.001
1079795	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079796	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079797	< 3	< 0.003	< 0.003	0.110	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079798	4	< 0.003	< 0.003	0.125	0.001	< 0.003	< 0.003	< 0.003	0.002
1079799	3	< 0.003	< 0.003	0.076	0.002	< 0.003	< 0.003	< 0.003	0.004

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1079800	< 3	< 0.003	< 0.003	0.093	0.002	< 0.003	< 0.003	< 0.003	0.002
1079801	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.001
1079802	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	0.002
1079803	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.001
1079804	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.001
1079805	< 3	< 0.003	< 0.003	0.044	0.001	< 0.003	< 0.003	< 0.003	0.002
1079806	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.004
1079807	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079808	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079809	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079810	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079811	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079812	< 3	< 0.003	< 0.003	0.510	0.004	0.032	0.004	< 0.003	0.009
1079813	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079814	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079815	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079816	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079817	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079818	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079819	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079820	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079821	< 3	< 0.003	< 0.003	0.124	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079822	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079823	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079824	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079825	< 3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	0.002
1079826	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.002
1079827	< 3	< 0.003	< 0.003	0.095	0.001	< 0.003	< 0.003	< 0.003	0.002
1079828	< 3	< 0.003	< 0.003	0.124	0.001	< 0.003	< 0.003	< 0.003	0.003
1079829	< 3	< 0.003	< 0.003	0.107	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079830	< 3	< 0.003	< 0.003	0.113	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079831	4	< 0.003	< 0.003	0.127	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079832	< 3	< 0.003	< 0.003	0.103	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079833	< 3	< 0.003	< 0.003	0.126	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079834	< 3	< 0.003	< 0.003	0.130	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079835	< 3	< 0.003	< 0.003	0.216	0.001	< 0.003	< 0.003	< 0.003	0.004
1079836	< 3	< 0.003	< 0.003	0.765	0.004	0.026	0.004	0.004	0.011
1079837	< 3	< 0.003	< 0.003	0.239	0.001	< 0.003	< 0.003	< 0.003	0.004
1079838	< 3	< 0.003	< 0.003	0.305	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079839	< 3	< 0.003	< 0.003	0.399	0.001	< 0.003	< 0.003	< 0.003	0.005
1079840	< 3	< 0.003	< 0.003	0.172	0.001	< 0.003	< 0.003	< 0.003	0.003
1079841	< 3	< 0.003	< 0.003	0.235	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079842	< 3	< 0.003	< 0.003	0.282	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079843	5	< 0.003	< 0.003	0.203	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079844	< 3	< 0.003	< 0.003	0.110	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079845	< 3	< 0.003	< 0.003	0.309	< 0.001	0.003	< 0.003	< 0.003	0.004
1079846	< 3	< 0.003	< 0.003	0.267	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079847	< 3	< 0.003	< 0.003	0.416	0.001	< 0.003	< 0.003	< 0.003	0.007
1079848	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.001
1079849	< 3	< 0.003	< 0.003	0.266	< 0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1079850	< 3	< 0.003	< 0.003	0.259	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079851	< 3	< 0.003	< 0.003	0.112	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079852	< 3	< 0.003	< 0.003	0.196	< 0.001	0.003	< 0.003	< 0.003	0.003
1079853	< 3	< 0.003	< 0.003	0.235	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079854	< 3	< 0.003	< 0.003	0.294	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079855	< 3	< 0.003	< 0.003	0.164	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079856	< 3	< 0.003	< 0.003	0.127	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079857	< 3	< 0.003	< 0.003	0.289	< 0.001	0.030	< 0.003	< 0.003	0.004
1079858	11	< 0.003	< 0.003	0.227	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079859	< 3	< 0.003	< 0.003	0.214	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079860	< 3	< 0.003	< 0.003	1.10	0.003	0.049	0.004	0.004	0.010
1079861	< 3	< 0.003	< 0.003	0.161	< 0.001	0.003	< 0.003	< 0.003	0.003
1079862	< 3	< 0.003	< 0.003	0.112	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079863	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079864	< 3	< 0.003	< 0.003	0.097	0.001	0.004	< 0.003	< 0.003	0.002
1079865	< 3	< 0.003	< 0.003	0.121	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079866	< 3	< 0.003	< 0.003	0.187	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079867	< 3	< 0.003	< 0.003	0.264	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079868	< 3	< 0.003	< 0.003	0.169	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079869	< 3	< 0.003	< 0.003	0.257	0.001	< 0.003	< 0.003	< 0.003	0.005
1079870	< 3	< 0.003	< 0.003	0.275	0.001	< 0.003	< 0.003	< 0.003	0.004
1079871	< 3	< 0.003	< 0.003	0.132	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079872	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079873	< 3	< 0.003	< 0.003	0.113	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079874	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079875	< 3	< 0.003	< 0.003	0.127	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079876	< 3	< 0.003	< 0.003	0.114	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079877	< 3	< 0.003	< 0.003	0.093	0.001	< 0.003	< 0.003	< 0.003	0.005
1079878	< 3	< 0.003	< 0.003	0.052	0.003	< 0.003	< 0.003	< 0.003	0.009
1079879	< 3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	< 0.003	0.003
1079880	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079881	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079882	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.001
1079883	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079884	< 3	< 0.003	< 0.003	0.275	0.004	0.011	0.007	< 0.003	0.009
1079885	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079886	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079887	< 3	< 0.003	< 0.003	0.149	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1079888	< 3	< 0.003	< 0.003	0.097	0.001	< 0.003	< 0.003	< 0.003	0.003
1079889	< 3	< 0.003	< 0.003	0.292	0.001	< 0.003	< 0.003	< 0.003	0.005
1079890	< 3	< 0.003	< 0.003	0.287	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1079891	< 3	< 0.003	< 0.003	0.204	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079892	3	< 0.003	< 0.003	0.171	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079893	< 3	< 0.003	< 0.003	0.181	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079894	< 3	< 0.003	< 0.003	0.231	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079895	< 3	< 0.003	< 0.003	0.110	0.001	< 0.003	< 0.003	< 0.003	0.002
1079896	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079897	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1079898	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	0.013

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1079899	< 3	< 0.003	0.006	0.017	0.002	< 0.003	0.008	< 0.003	0.012
1079900	< 3	< 0.003	< 0.003	0.175	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1079901	< 3	< 0.003	< 0.003	0.060	0.001	< 0.003	< 0.003	< 0.003	0.002
1079902	< 3	< 0.003	< 0.003	0.055	0.001	< 0.003	< 0.003	< 0.003	0.001
1079903	< 3	< 0.003	< 0.003	0.073	0.001	< 0.003	< 0.003	< 0.003	0.002
1079904	< 3	< 0.003	< 0.003	0.154	0.001	< 0.003	< 0.003	< 0.003	0.003
1079905	< 3	< 0.003	< 0.003	0.166	0.001	0.013	< 0.003	< 0.003	0.008
1079906	< 3	< 0.003	< 0.003	0.687	0.001	< 0.003	< 0.003	< 0.003	0.009
1079907	4	< 0.003	< 0.003	0.631	0.001	< 0.003	< 0.003	< 0.003	0.012
1079908	< 3	< 0.003	< 0.003	0.260	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1079909	< 3	< 0.003	< 0.003	0.036	0.007	< 0.003	0.003	< 0.003	0.007
1079910	< 3	< 0.003	< 0.003	0.093	0.007	< 0.003	0.003	< 0.003	0.008
1079911	< 3	< 0.003	< 0.003	0.056	0.001	< 0.003	< 0.003	< 0.003	0.002
1079912	< 3	< 0.003	< 0.003	0.527	0.004	0.034	0.004	< 0.003	0.009
1079913	< 3	< 0.003	< 0.003	0.095	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079914	< 3	< 0.003	< 0.003	0.078	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079915	< 3	< 0.003	< 0.003	0.067	0.001	< 0.003	< 0.003	< 0.003	0.002
1079916	< 3	< 0.003	< 0.003	0.047	0.001	< 0.003	< 0.003	< 0.003	0.001
1079917	< 3	< 0.003	< 0.003	0.091	0.001	< 0.003	< 0.003	< 0.003	0.004
1079918	< 3	< 0.003	< 0.003	0.173	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1079919	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.020
1079920	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1079921	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079922	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079923	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	0.007	< 0.003	0.004
1079924	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079925	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079926	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1079927	< 3	< 0.003	< 0.003	0.135	< 0.001	< 0.003	< 0.003	< 0.003	0.008
1079928	< 3	< 0.003	< 0.003	0.200	0.001	0.006	< 0.003	< 0.003	0.004
1079929	< 3	< 0.003	< 0.003	0.140	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079930	< 3	< 0.003	< 0.003	0.138	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079931	< 3	< 0.003	< 0.003	0.038	0.001	< 0.003	< 0.003	< 0.003	0.002
1079932	< 3	< 0.003	< 0.003	0.116	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079933	< 3	< 0.003	< 0.003	0.181	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079934	3	< 0.003	< 0.003	0.387	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079935	< 3	< 0.003	< 0.003	0.145	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079936	< 3	< 0.003	< 0.003	0.777	0.004	0.025	0.005	< 0.003	0.012
1079937	< 3	< 0.003	< 0.003	0.096	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079938	< 3	< 0.003	< 0.003	0.039	0.005	< 0.003	< 0.003	< 0.003	0.006
1079939	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.003
1079940	< 3	< 0.003	< 0.003	0.082	0.002	< 0.003	< 0.003	< 0.003	0.004
1079941	< 3	< 0.003	< 0.003	0.142	0.001	< 0.003	< 0.003	< 0.003	0.004
1079942	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.001
1079943	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.002
1079944	< 3	< 0.003	0.003	0.003	0.007	< 0.003	0.005	< 0.003	0.008
1079945	< 3	< 0.003	< 0.003	0.092	0.002	< 0.003	< 0.003	< 0.003	0.004
1079946	< 3	< 0.003	< 0.003	0.038	0.003	< 0.003	< 0.003	< 0.003	0.004
1079947	< 3	< 0.003	< 0.003	0.088	0.001	< 0.003	< 0.003	< 0.003	0.002
1079948	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1079949	< 3	< 0.003	< 0.003	0.038	0.003	< 0.003	< 0.003	< 0.003	0.002
1079950	< 3	< 0.003	< 0.003	0.040	0.003	< 0.003	< 0.003	< 0.003	0.003
1079951	< 3	< 0.003	< 0.003	0.023	0.002	< 0.003	< 0.003	< 0.003	0.004
1079952	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079953	< 3	< 0.003	< 0.003	0.185	< 0.001	< 0.003	< 0.003	< 0.003	0.009
1079954	< 3	< 0.003	< 0.003	0.247	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079955	< 3	< 0.003	< 0.003	0.181	< 0.001	< 0.003	< 0.003	< 0.003	0.010
1079956	< 3	< 0.003	< 0.003	0.280	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079957	< 3	< 0.003	< 0.003	0.302	0.001	< 0.003	< 0.003	< 0.003	0.004
1079958	< 3	< 0.003	< 0.003	0.517	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1079959	< 3	< 0.003	< 0.003	0.536	0.001	< 0.003	< 0.003	< 0.003	0.007
1079960	< 3	< 0.003	< 0.003	1.09	0.003	0.051	0.004	< 0.003	0.011
1079961	< 3	< 0.003	< 0.003	0.329	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079962	< 3	< 0.003	< 0.003	0.628	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1079963	< 3	< 0.003	< 0.003	0.323	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1079964	< 3	< 0.003	< 0.003	0.315	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079965	< 3	< 0.003	< 0.003	0.145	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079966	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079967	< 3	< 0.003	< 0.003	0.089	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079968	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079969	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079970	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079971	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079972	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079973	< 3	< 0.003	< 0.003	0.081	0.001	< 0.003	< 0.003	0.004	0.022
1079974	< 3	< 0.003	< 0.003	0.139	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1079975	< 3	< 0.003	< 0.003	0.231	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1079976	< 3	< 0.003	< 0.003	0.168	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079977	< 3	< 0.003	< 0.003	0.207	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079978	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079979	< 3	< 0.003	< 0.003	0.335	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079980	< 3	< 0.003	< 0.003	0.478	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1079981	< 3	< 0.003	< 0.003	0.392	< 0.001	< 0.003	0.010	< 0.003	0.005
1079982	< 3	< 0.003	< 0.003	0.136	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079983	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079984	< 3	< 0.003	< 0.003	0.270	0.004	0.010	0.007	< 0.003	0.009



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	132		2.07	24.0			47.3		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	135		2.11	25.3			47.5		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	133		2.05	24.9			45.8		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	133		2.09	25.1			47.0		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.072	0.966			2.11		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.598		0.054	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.557		0.054	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.538		0.051	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.577		0.052	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.115	0.003	0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.005		0.118	0.003	< 0.003	0.013
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.112	0.003	< 0.003	0.013
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.114	0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07238 (NCS DC 70006) Meas				0.009		1.46	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.51	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.44	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.44	0.003	0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
MP-1b Meas	47	0.052		2.98		0.028		2.09	16.8
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	50	0.056		3.13		0.031		2.15	17.3

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	49	0.052		2.98		0.029		2.12	16.8
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.006	6.33				0.015	0.062
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	18		0.007	6.31				0.014	0.066
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	18		0.007	6.13				0.015	0.065
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	20		0.006	6.56				0.016	0.062
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 98 (4 Acid) Meas	43		0.012	14.6				0.032	0.132
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.8				0.034	0.142
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	15.1				0.033	0.142
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.012	14.4				0.030	0.130
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 13b (4-Acid) Meas	< 3		0.008	0.234		< 0.003	0.237		0.013
OREAS 13b (4-Acid) Cert	0.86			0.2327			0.2247		
NCS DC86303 Meas					0.211				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.215				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.213				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.211				
NCS DC86303 Cert					0.210				
NCS DC86314					1.79				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Meas									
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.84				
NCS DC86314 Cert					1.81				
CPB-2 Meas		0.016		0.123				65.2	6.17
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		0.016		0.121				63.5	6.11
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		0.016		0.123				63.5	6.02
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CZN-4 Meas	51	0.258	0.009	0.399				0.177	56.6
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.262	0.009	0.405				0.184	56.7
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.262	0.009	0.401				0.183	56.7
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	52	0.261	0.010	0.405				0.182	54.0
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.87				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.02				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	51		0.314	7.55			11.0	0.081	0.205
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.320	7.63			11.3	0.082	0.220
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.324	7.76			11.4	0.083	0.222
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	58		0.330	8.36			11.9	0.085	0.215
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	201	0.007	0.031	22.5				0.698	3.07
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	210	0.008	0.031	23.1				0.680	3.04
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	211	0.008	0.031	22.9				0.686	3.00

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	203	0.007	0.031	22.4				0.704	2.97
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	10		0.005	3.84				0.010	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.005	3.82				0.010	0.047
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.005	3.76				0.009	0.047
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.85				0.010	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
1079762 Orig	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079762 Dup	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079763 Orig	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079763 Dup	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079783 Orig	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079783 Dup	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079797 Orig	< 3	< 0.003	< 0.003	0.110	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079797 Dup	< 3	< 0.003	< 0.003	0.109	< 0.001	0.003	< 0.003	< 0.003	0.002
1079800 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.093	0.002	< 0.003	< 0.003	< 0.003	0.002
1079800 Split PREP DUP	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	0.002
1079809 Orig	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079809 Dup	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079811 Orig	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079811 Dup	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079828 Orig	< 3	< 0.003	< 0.003	0.125	0.001	< 0.003	< 0.003	< 0.003	0.003
1079828 Dup	< 3	< 0.003	< 0.003	0.123	0.001	< 0.003	< 0.003	< 0.003	0.003
1079846 Orig	< 3	< 0.003	< 0.003	0.271	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079846 Dup	< 3	< 0.003	< 0.003	0.264	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1079850 Split PREP DUP	< 3	< 0.003	< 0.003	0.273	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079851 Orig	< 3	< 0.003	< 0.003	0.113	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079851 Dup	< 3	< 0.003	< 0.003	0.110	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079875 Orig	< 3	< 0.003	< 0.003	0.125	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079875 Dup	< 3	< 0.003	< 0.003	0.129	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1079890 Orig	< 3	< 0.003	< 0.003	0.291	0.001	< 0.003	< 0.003	< 0.003	0.005
1079890 Dup	< 3	< 0.003	< 0.003	0.282	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1079900 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.175	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1079900 Split PREP DUP	< 3	< 0.003	< 0.003	0.177	0.001	< 0.003	< 0.003	< 0.003	0.004
1079909 Orig	< 3	< 0.003	< 0.003	0.036	0.007	< 0.003	0.003	< 0.003	0.007
1079909 Dup	< 3	< 0.003	< 0.003	0.036	0.007	< 0.003	0.003	< 0.003	0.007

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1079917 Orig	< 3	< 0.003	< 0.003	0.093	0.001	< 0.003	< 0.003	< 0.003	0.004
1079917 Dup	< 3	< 0.003	< 0.003	0.089	0.001	< 0.003	< 0.003	< 0.003	0.004
1079935 Orig	< 3	< 0.003	< 0.003	0.144	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079935 Dup	< 3	< 0.003	< 0.003	0.147	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1079948 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079948 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1079950 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.040	0.003	< 0.003	< 0.003	< 0.003	0.003
1079950 Split PREP DUP	< 3	< 0.003	< 0.003	0.040	0.003	< 0.003	< 0.003	< 0.003	0.003
1079967 Orig	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079967 Dup	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1079974 Orig	< 3	< 0.003	< 0.003	0.141	< 0.001	< 0.003	0.005	< 0.003	0.006
1079974 Dup	< 3	< 0.003	< 0.003	0.137	< 0.001	< 0.003	< 0.003	< 0.003	0.005
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	0.004	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-07078-Au
Report Date: 27-Jul-20
Date Submitted: 03-Jul-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

234 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package, Test Name, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-07078-Au

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Elitsa Hrischeva

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1079751	0.064								
1079752	0.160								
1079753	0.042								
1079754	0.115								
1079755	0.050								
1079756	0.048								
1079757	0.069								
1079758	0.100								
1079759	0.027								
1079760	1.579								
1079761	0.019								
1079762	0.065								
1079763	0.044								
1079764	0.131								
1079765	0.067								
1079766	0.026								
1079767	0.053								
1079768	0.073								
1079769	0.048								
1079770	0.038								
1079771	0.058								
1079772	< 0.005								
1079773	0.925								
1079774	0.180								
1079775	0.147								
1079776	0.133								
1079777	0.024								
1079778	0.115								
1079779	0.046								
1079780	0.075								
1079781	0.197								
1079782	0.149								
1079783	1.028								
1079784	0.209								
1079785	0.179								
1079786	> 5.000	8.77	25.2	7.03	6.53	7.96	31.55	458.63	490.18
1079787	1.477								
1079788	1.779								
1079789	1.019								
1079790	0.900								
1079791	0.292								
1079792	0.421								
1079793	1.178								
1079794	0.391								
1079795	0.710								
1079796	< 0.005								
1079797	2.095								
1079798	0.875								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1079799	0.221								
1079800	0.859								
1079801	0.128								
1079802	0.487								
1079803	0.141								
1079804	0.635								
1079805	0.503								
1079806	0.045								
1079807	0.124								
1079808	0.337								
1079809	0.171								
1079810	0.135								
1079811	0.042								
1079812	0.698								
1079813	0.079								
1079814	0.074								
1079815	0.085								
1079816	0.043								
1079817	0.110								
1079818	0.752								
1079819	0.480								
1079820	0.520								
1079821	0.688								
1079822	0.331								
1079823	0.258								
1079824	< 0.005								
1079825	0.389								
1079826	0.526								
1079827	0.329								
1079828	0.667								
1079829	0.548								
1079830	0.623								
1079831	> 5.000	5.92	5.45	2.61	2.48	2.74	32.47	460.07	492.54
1079832	0.613								
1079833	0.605								
1079834	4.462		4.07	4.44	4.19	4.29	37.14	449.85	486.99
1079835	> 5.000	6.01	17.5	4.37	4.19	5.26	36.70	456.79	493.49
1079836	0.474								
1079837	2.260								
1079838	0.755								
1079839	1.361								
1079840	0.628								
1079841	0.714								
1079842	0.804								
1079843	0.516								
1079844	0.250								
1079845	4.269	3.95							
1079846	1.055								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1079847	2.808								
1079848	< 0.005								
1079849	0.552								
1079850	0.514								
1079851	0.298								
1079852	0.702								
1079853	0.681								
1079854	0.578								
1079855	0.493								
1079856	0.338								
1079857	0.826								
1079858	0.673								
1079859	0.364								
1079860	1.572								
1079861	0.389								
1079862	0.439								
1079863	0.296								
1079864	0.210								
1079865	0.219								
1079866	0.593								
1079867	0.540								
1079868	0.563								
1079869	0.483								
1079870	0.983								
1079871	0.352								
1079872	0.010								
1079873	0.254								
1079874	0.236								
1079875	0.530								
1079876	1.629								
1079877	0.739								
1079878	0.430								
1079879	2.573								
1079880	1.415								
1079881	0.376								
1079882	1.205								
1079883	0.943								
1079884	0.213								
1079885	2.079								
1079886	0.235								
1079887	4.605	5.65	2.73	3.15	3.49	3.27	39.59	451.92	491.51
1079888	3.347	3.68							
1079889	2.806								
1079890	2.265								
1079891	0.894								
1079892	0.704								
1079893	1.175								
1079894	1.126								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1079895	0.508								
1079896	< 0.005								
1079897	0.193								
1079898	0.147								
1079899	0.005								
1079900	0.343								
1079901	1.645								
1079902	0.590								
1079903	0.388								
1079904	0.696								
1079905	0.288								
1079906	2.917								
1079907	1.708								
1079908	1.190								
1079909	1.297								
1079910	1.076								
1079911	0.254								
1079912	0.700								
1079913	1.289								
1079914	0.742								
1079915	0.195								
1079916	0.091								
1079917	0.212								
1079918	0.249								
1079919	0.199								
1079920	0.684								
1079921	1.060								
1079922	0.352								
1079923	0.641								
1079924	0.005								
1079925	0.061								
1079926	0.128								
1079927	0.430								
1079928	0.851								
1079929	0.987								
1079930	0.929								
1079931	1.642								
1079932	1.804								
1079933	2.497								
1079934	4.919	4.33							
1079935	1.298								
1079936	0.460								
1079937	4.883	6.20	68.5	5.47	5.36	10.5	39.11	447.61	486.72
1079938	0.945								
1079939	0.234								
1079940	0.181								
1079941	0.159								
1079942	0.252								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1079943	0.100								
1079944	0.022								
1079945	0.158								
1079946	0.223								
1079947	0.551								
1079948	< 0.005								
1079949	0.178								
1079950	0.202								
1079951	0.178								
1079952	0.268								
1079953	0.861								
1079954	> 5.000	4.74	1.63	4.58	4.37	4.26	37.46	456.57	494.03
1079955	0.303								
1079956	0.491								
1079957	2.227								
1079958	3.094	3.51							
1079959	2.373								
1079960	1.606								
1079961	1.225								
1079962	2.430								
1079963	1.202								
1079964	0.997								
1079965	0.381								
1079966	0.562								
1079967	1.758								
1079968	2.509								
1079969	0.243								
1079970	0.224								
1079971	0.266								
1079972	< 0.005								
1079973	0.264								
1079974	0.160								
1079975	0.391								
1079976	0.338								
1079977	0.616								
1079978	1.334								
1079979	0.770								
1079980	0.340								
1079981	1.507								
1079982	2.375								
1079983	0.669								
1079984	0.220								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
SN75 Meas		8.62							
SN75 Cert		8.67							
SN75 Meas		8.98							
SN75 Cert		8.67							
SN75 Meas		8.90							
SN75 Cert		8.67							
OREAS 257 Meas		14.1				14.5			
OREAS 257 Cert		14.18				14.18			
OREAS 257 Meas		14.5				14.0			
OREAS 257 Cert		14.18				14.18			
OREAS 257 Meas		13.7							
OREAS 257 Cert		14.18							
Oreas 237 (fire Assay) Meas	2.125								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.243								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.285								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.191								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.152								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.219								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.260								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.256								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.245								
Oreas 237 (fire Assay) Cert	2.21								
Oreas E1336 (Fire Assay) Meas	0.494								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.516								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Assay) Meas									
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.509								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.500								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.500								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.509								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.503								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.516								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.514								
Oreas E1336 (Fire Assay) Cert	0.510								
1079761 Orig	0.018								
1079761 Dup	0.020								
1079770 Orig	0.047								
1079770 Dup	0.029								
1079780 Orig	0.076								
1079780 Dup	0.074								
1079786 Orig			25.2	7.03	6.53	7.96	31.55	458.63	490.18
1079795 Orig	0.744								
1079795 Dup	0.676								
1079800 Split Orig PREP DUP	0.859								
1079800 Split PREP DUP	0.778								
1079830 Orig	0.587								
1079830 Dup	0.659								
1079831 Orig			5.45	2.61	2.48	2.74	32.47	460.07	492.54
1079834 Orig			4.07	4.44	4.19	4.29	37.14	449.85	486.99
1079835 Orig			17.5	4.37	4.19	5.26	36.70	456.79	493.49
1079850 Split Orig PREP DUP	0.514								
1079850 Split PREP DUP	0.499								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Method Blank						< 0.03			
Method Blank						< 0.03			
Method Blank		< 0.03							
Method Blank		< 0.03							



Report No.: A20-07076-8-4Acid
Report Date: 07-Aug-20
Date Submitted: 03-Jul-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

300 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
Row 1: 8-4 Acid Total Digestion | QOP Total Assay (Code 8-4 Acid Total Digestion Assays) | 2020-07-21 11:05:01

REPORT A20-07076-8-4Acid

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Notes:

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1078001	< 3	< 0.003	< 0.003	0.002	0.003	< 0.003	< 0.003	< 0.003	0.005
1078002	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.005
1078003	< 3	< 0.003	0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.005
1078004	< 3	< 0.003	0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.004
1078005	< 3	< 0.003	0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.005
1078006	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.005
1078007	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.005
1078008	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.005
1078009	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.004
1078010	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.005
1078011	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078012	< 3	< 0.003	< 0.003	0.537	0.004	0.033	0.004	0.004	0.009
1078013	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.004
1078014	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	0.003	< 0.003	0.005
1078015	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	< 0.003	< 0.003	0.004
1078016	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.005
1078017	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	< 0.003	< 0.003	0.004
1078018	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	0.003	< 0.003	0.005
1078019	< 3	< 0.003	< 0.003	0.002	0.003	< 0.003	0.004	< 0.003	0.004
1078020	< 3	< 0.003	0.004	0.009	0.004	< 0.003	0.005	< 0.003	0.005
1078021	< 3	< 0.003	0.004	0.004	0.004	< 0.003	0.003	< 0.003	0.006
1078022	< 3	< 0.003	< 0.003	0.002	0.004	< 0.003	< 0.003	< 0.003	0.005
1078023	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	0.003	< 0.003	0.006
1078024	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078025	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.006
1078026	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	0.004	< 0.003	0.006
1078027	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.004
1078028	< 3	< 0.003	0.003	0.007	0.002	< 0.003	0.004	< 0.003	0.006
1078029	< 3	< 0.003	0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.006
1078030	< 3	< 0.003	0.003	0.008	0.002	< 0.003	0.004	< 0.003	0.006
1078031	< 3	< 0.003	< 0.003	0.001	0.003	< 0.003	< 0.003	< 0.003	0.006
1078032	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	0.004	< 0.003	0.005
1078033	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.005
1078034	< 3	< 0.003	< 0.003	0.008	0.003	< 0.003	0.003	< 0.003	0.007
1078035	< 3	< 0.003	< 0.003	0.013	0.003	< 0.003	< 0.003	< 0.003	0.010
1078036	< 3	< 0.003	< 0.003	0.771	0.004	0.023	0.004	0.004	0.012
1078037	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.006
1078038	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.005
1078039	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078040	< 3	< 0.003	< 0.003	0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
1078041	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078042	< 3	< 0.003	< 0.003	0.017	0.003	< 0.003	< 0.003	< 0.003	0.004
1078043	< 3	< 0.003	< 0.003	0.030	0.003	< 0.003	0.003	< 0.003	0.004
1078044	< 3	< 0.003	< 0.003	0.032	0.004	< 0.003	< 0.003	< 0.003	0.004
1078045	< 3	< 0.003	0.004	0.023	0.004	< 0.003	0.005	< 0.003	0.007
1078046	< 3	< 0.003	0.004	0.009	0.003	< 0.003	0.003	< 0.003	0.007
1078047	< 3	< 0.003	0.004	0.010	0.004	< 0.003	0.004	< 0.003	0.008
1078048	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.001
1078049	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1078050	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078051	3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078052	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078053	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.003
1078054	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078055	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.003
1078056	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.003
1078057	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
1078058	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.003
1078059	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.003
1078060	< 3	< 0.003	< 0.003	1.10	0.003	0.053	0.003	< 0.003	0.011
1078061	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078062	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078063	< 3	< 0.003	< 0.003	0.039	0.001	< 0.003	< 0.003	< 0.003	0.002
1078064	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
1078065	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078066	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078067	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.002
1078068	< 3	< 0.003	< 0.003	0.026	0.001	0.003	< 0.003	< 0.003	0.003
1078069	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078070	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.003
1078071	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.004
1078072	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078073	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.002
1078074	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.004
1078075	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.002
1078076	< 3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	0.004	0.012
1078077	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1078078	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078079	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
1078080	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	< 0.003	0.005
1078081	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	0.005	0.004
1078082	< 3	< 0.003	< 0.003	0.086	< 0.001	< 0.003	< 0.003	0.005	0.021
1078083	3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.009
1078084	< 3	< 0.003	< 0.003	0.271	0.004	0.010	0.006	< 0.003	0.008
1078085	< 3	< 0.003	< 0.003	0.121	0.001	< 0.003	< 0.003	0.008	0.011
1078086	< 3	< 0.003	< 0.003	0.114	< 0.001	< 0.003	< 0.003	0.006	0.010
1078087	< 3	< 0.003	< 0.003	0.176	0.001	< 0.003	< 0.003	0.010	0.037
1078088	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.002
1078089	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1078090	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	0.003	0.013
1078091	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	0.004	0.015
1078092	< 3	< 0.003	< 0.003	0.113	< 0.001	< 0.003	< 0.003	0.005	0.010
1078093	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1078094	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1078095	< 3	< 0.003	< 0.003	0.053	< 0.001	0.003	< 0.003	0.007	0.016
1078096	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078097	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	0.003	0.006
1078098	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.008
1078099	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.004

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1078100	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078101	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078102	< 3	< 0.003	< 0.003	0.017	0.001	0.003	< 0.003	< 0.003	0.001
1078103	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.002
1078104	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.002
1078105	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	0.002
1078106	< 3	< 0.003	< 0.003	0.031	0.002	< 0.003	< 0.003	< 0.003	0.002
1078107	< 3	< 0.003	< 0.003	0.096	0.002	< 0.003	< 0.003	< 0.003	0.002
1078108	< 3	< 0.003	< 0.003	0.068	0.002	< 0.003	< 0.003	< 0.003	0.003
1078109	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.002
1078110	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.002
1078111	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.001
1078112	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078113	< 3	< 0.003	< 0.003	0.525	0.004	0.034	0.004	< 0.003	0.009
1078114	< 3	< 0.003	< 0.003	0.044	0.001	< 0.003	< 0.003	< 0.003	0.001
1078115	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.001
1078116	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.001
1078117	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078118	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078119	< 3	< 0.003	< 0.003	0.102	0.002	< 0.003	< 0.003	< 0.003	0.001
1078120	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.001
1078121	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078122	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078123	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078124	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078125	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078126	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078127	< 3	< 0.003	< 0.003	0.109	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078128	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078129	< 3	< 0.003	< 0.003	0.085	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078130	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078131	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078132	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	0.003	< 0.003	0.001
1078133	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078134	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078135	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078136	< 3	< 0.003	< 0.003	0.727	0.004	0.025	0.004	< 0.003	0.011
1078137	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078138	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078139	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078140	< 3	< 0.003	< 0.003	0.088	0.001	< 0.003	< 0.003	< 0.003	0.001
1078141	< 3	< 0.003	< 0.003	0.075	0.002	< 0.003	< 0.003	< 0.003	0.002
1078142	< 3	< 0.003	< 0.003	0.146	0.001	< 0.003	< 0.003	< 0.003	0.001
1078143	< 3	< 0.003	< 0.003	0.129	0.001	< 0.003	< 0.003	< 0.003	0.001
1078144	< 3	< 0.003	< 0.003	0.060	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078145	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078146	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078147	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078148	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1078149	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078150	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078151	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078152	< 3	< 0.003	< 0.003	0.091	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078153	< 3	< 0.003	< 0.003	0.112	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078154	< 3	< 0.003	< 0.003	0.224	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078155	< 3	< 0.003	< 0.003	0.186	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078156	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078157	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1078158	< 3	< 0.003	< 0.003	0.162	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078159	< 3	< 0.003	< 0.003	0.122	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078160	< 3	< 0.003	< 0.003	1.05	0.003	0.048	0.004	< 0.003	0.010
1078161	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078162	3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078163	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078164	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078165	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078166	< 3	< 0.003	< 0.003	0.176	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078167	< 3	< 0.003	< 0.003	0.182	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078168	< 3	< 0.003	< 0.003	0.184	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078169	< 3	< 0.003	< 0.003	0.211	< 0.001	0.003	< 0.003	< 0.003	0.003
1078170	< 3	< 0.003	< 0.003	0.225	< 0.001	0.003	< 0.003	< 0.003	0.003
1078171	< 3	< 0.003	< 0.003	0.143	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078172	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078173	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078174	< 3	< 0.003	< 0.003	0.156	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1078175	< 3	< 0.003	< 0.003	0.287	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1078176	< 3	< 0.003	< 0.003	0.345	< 0.001	0.009	< 0.003	< 0.003	0.005
1078177	< 3	< 0.003	< 0.003	0.316	< 0.001	0.003	< 0.003	< 0.003	0.005
1078178	< 3	< 0.003	< 0.003	0.166	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078179	< 3	< 0.003	< 0.003	0.217	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1078180	< 3	< 0.003	< 0.003	0.273	< 0.001	< 0.003	< 0.003	< 0.003	0.013
1078181	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078182	< 3	< 0.003	< 0.003	0.234	< 0.001	0.003	< 0.003	< 0.003	0.002
1078183	< 3	< 0.003	< 0.003	0.224	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078184	< 3	< 0.003	< 0.003	0.265	0.004	0.010	0.006	< 0.003	0.008
1078185	< 3	< 0.003	< 0.003	0.197	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078186	< 3	< 0.003	< 0.003	0.180	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078187	< 3	< 0.003	< 0.003	0.085	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078188	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078189	< 3	< 0.003	< 0.003	0.125	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078190	< 3	< 0.003	< 0.003	0.118	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078191	< 3	< 0.003	< 0.003	0.125	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078192	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078193	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078194	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078195	< 3	< 0.003	< 0.003	0.091	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078196	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078197	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078198	< 3	< 0.003	< 0.003	0.010	< 0.001	0.004	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1078199	< 3	< 0.003	0.003	0.005	0.006	< 0.003	0.005	< 0.003	0.011
1078200	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078201	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078202	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078203	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078204	4	< 0.003	< 0.003	0.109	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078205	4	< 0.003	< 0.003	0.699	0.002	0.006	0.003	< 0.003	0.008
1078206	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078207	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078208	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078209	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078210	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078211	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078212	< 3	< 0.003	< 0.003	0.515	0.004	0.032	0.004	< 0.003	0.008
1078213	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078214	< 3	< 0.003	< 0.003	0.107	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078215	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078216	< 3	< 0.003	< 0.003	0.163	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078217	4	< 0.003	< 0.003	1.18	< 0.001	< 0.003	0.007	< 0.003	0.003
1078218	4	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078219	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078220	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078221	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078222	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078223	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078224	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078225	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078226	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078227	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078228	< 3	< 0.003	< 0.003	0.039	0.001	< 0.003	< 0.003	< 0.003	0.002
1078229	3	< 0.003	< 0.003	0.096	0.002	< 0.003	< 0.003	< 0.003	0.003
1078230	< 3	< 0.003	< 0.003	0.104	0.002	< 0.003	< 0.003	< 0.003	0.002
1078231	< 3	< 0.003	< 0.003	0.123	0.001	< 0.003	< 0.003	< 0.003	0.002
1078232	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078233	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078234	7	< 0.003	< 0.003	0.355	0.003	0.011	< 0.003	< 0.003	0.004
1078235	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078236	< 3	< 0.003	< 0.003	0.769	0.004	0.024	0.004	< 0.003	0.011
1078237	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078238	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078239	< 3	< 0.003	< 0.003	0.116	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078240	< 3	< 0.003	< 0.003	0.044	0.001	< 0.003	< 0.003	< 0.003	0.002
1078241	< 3	< 0.003	< 0.003	0.088	0.001	< 0.003	< 0.003	< 0.003	0.001
1078242	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.001
1078243	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.002
1078244	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078245	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078246	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078247	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1078248	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078249	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078250	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078251	< 3	< 0.003	< 0.003	0.017	0.001	0.007	< 0.003	< 0.003	0.001
1078252	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078253	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078254	< 3	< 0.003	< 0.003	0.128	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078255	< 3	< 0.003	< 0.003	0.070	< 0.001	0.003	< 0.003	< 0.003	< 0.001
1078256	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078257	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078258	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078259	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078260	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078261	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078262	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078263	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078264	< 3	< 0.003	< 0.003	0.023	< 0.001	0.003	< 0.003	< 0.003	0.002
1078265	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078266	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078267	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078268	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078269	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078270	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078271	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078272	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078273	< 3	< 0.003	< 0.003	0.019	0.002	< 0.003	< 0.003	< 0.003	0.002
1078274	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.001
1078275	< 3	< 0.003	< 0.003	0.103	0.001	< 0.003	< 0.003	< 0.003	0.001
1078276	< 3	< 0.003	< 0.003	0.071	0.001	< 0.003	< 0.003	< 0.003	0.001
1078277	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.001
1078278	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078279	< 3	< 0.003	< 0.003	0.018	0.002	< 0.003	< 0.003	< 0.003	0.002
1078280	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078281	< 3	< 0.003	< 0.003	0.034	0.002	< 0.003	< 0.003	< 0.003	0.002
1078282	< 3	< 0.003	< 0.003	0.038	0.002	< 0.003	< 0.003	< 0.003	0.002
1078283	< 3	< 0.003	< 0.003	0.050	0.002	< 0.003	< 0.003	< 0.003	0.001
1078284	< 3	< 0.003	< 0.003	0.270	0.004	0.010	0.006	< 0.003	0.008
1078285	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078286	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078287	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078288	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078289	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078290	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078291	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078292	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078293	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078294	< 3	< 0.003	< 0.003	0.098	0.002	< 0.003	< 0.003	< 0.003	0.003
1078295	< 3	< 0.003	< 0.003	0.108	0.001	< 0.003	< 0.003	< 0.003	0.002
1078296	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078297	< 3	< 0.003	< 0.003	0.046	0.002	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1078298	< 3	< 0.003	< 0.003	0.053	0.002	< 0.003	< 0.003	< 0.003	0.004
1078299	< 3	< 0.003	< 0.003	0.138	0.001	< 0.003	< 0.003	< 0.003	0.005
1078300	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
GXR-4 Meas	3	< 0.003	< 0.003	0.630	0.001	0.033	0.004	0.005	0.007
GXR-4 Cert	4	0.00008 60	0.00146	0.652	0.00111	0.0310	0.00420	0.00520	0.00730
PTM-1a Meas	132		2.05	25.0			45.9		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	127		2.05	24.2			45.4		
PTM-1a Cert	135		2.05	24.96			47.44		
HV-2 Meas				0.561		0.054	< 0.003		0.006
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.570		0.053	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.571		0.054	< 0.003		0.006
HV-2 Cert				0.570		0.0480			0.00560
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.115	< 0.003	< 0.003	0.013
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.119	0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.119	< 0.003	0.004	0.013
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07238 (NCS DC 70006) Meas				0.009		1.47	< 0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.48	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.47	< 0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
MP-1b Meas	49	0.053		3.02		0.030		2.15	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	51	0.054		3.04		0.030		2.16	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	49	0.053		3.01		0.031		2.09	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.006	6.48				0.013	0.063
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	19		0.007	6.49				0.016	0.060
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	18		0.007	6.44				0.015	0.062
OREAS 97 (4 Acid) Meas	19.6			6.31					



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Acid) Cert									
OREAS 98 (4 Acid) Meas	45		0.012	14.7				0.034	0.136
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.6				0.031	0.132
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.6				0.035	0.134
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 13b (4-Acid) Meas	< 3		0.008	0.237		< 0.003	0.241		0.013
OREAS 13b (4-Acid) Cert	0.86			0.2327			0.2247		
NCS DC86303 Meas					0.213				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.212				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.205				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
CPB-2 Meas		0.016		0.122				63.5	6.04
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		0.016		0.122				63.5	6.04
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CZN-4 Meas	53	0.261	0.010	0.410				0.186	55.6
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.259	0.009	0.395				0.178	53.9
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.262	0.010	0.413				0.183	55.2
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.08				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium					8.17				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Tetraborate FX-LT 100 lot#220610B Meas									
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.35				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	52		0.311	7.95			11.2	0.076	0.209
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.326	8.07			11.5	0.080	0.208
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.333	8.13			11.6	0.080	0.207
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	207	0.007	0.031	22.9				0.709	3.03
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	201	0.007	0.031	22.3				0.686	2.97
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	213	0.008	0.033	23.7				0.727	3.02
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	3.89				0.009	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.91				0.009	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.005	3.81				0.010	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
1078012 Orig	< 3	< 0.003	< 0.003	0.540	0.004	0.033	0.005	0.004	0.009
1078012 Dup	< 3	< 0.003	< 0.003	0.534	0.004	0.033	0.003	0.003	0.009
1078013 Orig	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.004
1078013 Dup	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.003
1078033 Orig	< 3	< 0.003	0.003	0.008	0.002	< 0.003	0.004	< 0.003	0.005
1078033 Dup	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.006
1078047 Orig	< 3	< 0.003	0.004	0.010	0.004	< 0.003	0.004	< 0.003	0.009
1078047 Dup	< 3	< 0.003	0.004	0.010	0.004	< 0.003	0.004	< 0.003	0.008
1078061 Orig	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078061 Dup	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.002
1078078 Orig	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078078 Dup	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078096 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078096 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078100 Split	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PREP DUP									
1078101 Orig	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078101 Dup	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078125 Orig	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078125 Dup	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078140 Orig	< 3	< 0.003	< 0.003	0.087	0.001	< 0.003	< 0.003	< 0.003	0.001
1078140 Dup	< 3	< 0.003	< 0.003	0.090	0.001	< 0.003	< 0.003	< 0.003	0.001
1078150 Split PREP DUP	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078159 Orig	< 3	< 0.003	< 0.003	0.121	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078159 Dup	< 3	< 0.003	< 0.003	0.122	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078168 Orig	< 3	< 0.003	< 0.003	0.182	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078168 Dup	< 3	< 0.003	< 0.003	0.186	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078185 Orig	< 3	< 0.003	< 0.003	0.195	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078185 Dup	< 3	< 0.003	< 0.003	0.198	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078198 Orig	< 3	< 0.003	< 0.003	0.010	< 0.001	0.004	< 0.003	< 0.003	0.002
1078198 Dup	< 3	< 0.003	< 0.003	0.010	< 0.001	0.004	< 0.003	< 0.003	0.002
1078200 Split PREP DUP	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078217 Orig	3	< 0.003	< 0.003	1.20	< 0.001	< 0.003	0.007	< 0.003	0.003
1078217 Dup	4	< 0.003	< 0.003	1.17	< 0.001	< 0.003	0.007	< 0.003	0.003
1078224 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078224 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078237 Orig	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078237 Dup	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078250 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078250 Split PREP DUP	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078252 Orig	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.002
1078252 Dup	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078265 Orig	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078265 Dup	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078291 Orig	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078291 Dup	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078299 Orig	< 3	< 0.003	< 0.003	0.137	0.001	< 0.003	< 0.003	< 0.003	0.005
1078299 Dup	< 3	< 0.003	< 0.003	0.140	0.001	< 0.003	< 0.003	< 0.003	0.005
1078300 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.002
1078300 Split PREP DUP	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.002
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-07076-Au  
 Report Date: 20-Jul-20  
 Date Submitted: 03-Jul-20  
 Your Reference: 234

IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

ATTN: Alan Smith

## CERTIFICATE OF ANALYSIS

300 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2020-07-17 08:03:25
1A3-50-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-07-20 10:37:34
1A4 (100mesh)-Timmins	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2020-07-20 10:26:30

REPORT **A20-07076-Au**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Eseme, Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1078001	0.015								
1078002	0.044								
1078003	0.017								
1078004	0.156								
1078005	0.011								
1078006	0.081								
1078007	0.008								
1078008	0.062								
1078009	0.056								
1078010	0.035								
1078011	0.050								
1078012	0.716								
1078013	0.085								
1078014	0.151								
1078015	0.052								
1078016	< 0.005								
1078017	0.119								
1078018	0.047								
1078019	0.007								
1078020	0.046								
1078021	< 0.005								
1078022	0.039								
1078023	0.013								
1078024	< 0.005								
1078025	0.016								
1078026	0.064								
1078027	0.132								
1078028	0.013								
1078029	0.052								
1078030	0.051								
1078031	0.318								
1078032	0.079								
1078033	0.416								
1078034	0.192								
1078035	0.088								
1078036	0.466								
1078037	0.029								
1078038	0.192								
1078039	0.076								
1078040	0.078								
1078041	0.105								
1078042	0.090								
1078043	0.048								
1078044	0.049								
1078045	0.057								
1078046	0.081								
1078047	0.044								
1078048	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1078049	0.452								
1078050	0.411								
1078051	0.935								
1078052	0.280								
1078053	0.122								
1078054	0.027								
1078055	0.028								
1078056	0.394								
1078057	0.039								
1078058	0.124								
1078059	0.244								
1078060	1.660								
1078061	0.142								
1078062	0.167								
1078063	0.225								
1078064	0.054								
1078065	0.489								
1078066	0.049								
1078067	0.202								
1078068	0.400								
1078069	0.116								
1078070	0.088								
1078071	0.180								
1078072	< 0.005								
1078073	0.127								
1078074	0.121								
1078075	0.112								
1078076	0.248								
1078077	0.312								
1078078	0.245								
1078079	0.109								
1078080	0.196								
1078081	0.442								
1078082	0.829								
1078083	0.717								
1078084	0.214								
1078085	0.757								
1078086	0.378								
1078087	1.142								
1078088	0.054								
1078089	0.369								
1078090	0.120								
1078091	0.315								
1078092	0.554								
1078093	0.175								
1078094	0.170								
1078095	1.613								
1078096	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1078097	0.127								
1078098	0.128								
1078099	0.065								
1078100	0.164								
1078101	0.025								
1078102	0.092								
1078103	0.271								
1078104	0.061								
1078105	0.054								
1078106	0.142								
1078107	0.773								
1078108	0.186								
1078109	0.061								
1078110	0.023								
1078111	0.052								
1078112	< 0.005								
1078113	0.671								
1078114	0.126								
1078115	0.090								
1078116	0.023								
1078117	3.834	3.63							
1078118	< 0.005								
1078119	0.068								
1078120	0.073								
1078121	0.260								
1078122	0.086								
1078123	0.075								
1078124	< 0.005								
1078125	0.146								
1078126	0.467								
1078127	0.251								
1078128	0.178								
1078129	0.282								
1078130	0.558								
1078131	0.140								
1078132	0.341								
1078133	1.992								
1078134	2.334								
1078135	0.369								
1078136	0.475								
1078137	1.343								
1078138	0.258								
1078139	0.098								
1078140	0.410								
1078141	0.228								
1078142	0.301								
1078143	0.277								
1078144	0.107								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1078145	0.066								
1078146	0.069								
1078147	0.083								
1078148	< 0.005								
1078149	0.082								
1078150	0.080								
1078151	0.082								
1078152	0.141								
1078153	0.571								
1078154	0.512								
1078155	0.769								
1078156	0.315								
1078157	0.556								
1078158	0.417								
1078159	0.366								
1078160	1.699								
1078161	0.207								
1078162	0.133								
1078163	0.239								
1078164	0.285								
1078165	0.137								
1078166	0.633								
1078167	0.442								
1078168	0.600								
1078169	1.195								
1078170	1.550								
1078171	0.823								
1078172	< 0.005								
1078173	1.005								
1078174	3.303	3.27							
1078175	2.019								
1078176	1.833								
1078177	1.763								
1078178	0.677								
1078179	0.890								
1078180	1.234								
1078181	0.378								
1078182	1.831								
1078183	1.713								
1078184	0.213								
1078185	0.818								
1078186	0.281								
1078187	1.661								
1078188	0.722								
1078189	0.554								
1078190	0.380								
1078191	0.537								
1078192	0.485								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1078193	0.464								
1078194	0.330								
1078195	0.721								
1078196	< 0.005								
1078197	0.215								
1078198	0.061								
1078199	0.026								
1078200	0.855								
1078201	0.874								
1078202	> 5.000	7.83	73.5	7.18	6.82	12.2	39.38	464.49	503.87
1078203	0.036								
1078204	1.503								
1078205	> 5.000	13.9	7.65	11.4	10.9	10.9	34.76	465.87	500.63
1078206	0.331								
1078207	0.556								
1078208	0.115								
1078209	0.210								
1078210	0.347								
1078211	0.315								
1078212	0.647								
1078213	0.333								
1078214	0.603								
1078215	0.056								
1078216	1.506								
1078217	1.627								
1078218	0.299								
1078219	1.138								
1078220	1.501								
1078221	0.316								
1078222	2.212								
1078223	0.470								
1078224	0.006								
1078225	0.895								
1078226	0.828								
1078227	0.375								
1078228	0.660								
1078229	2.101								
1078230	1.322								
1078231	0.929								
1078232	0.422								
1078233	0.716								
1078234	1.528								
1078235	0.073								
1078236	0.473								
1078237	0.175								
1078238	0.242								
1078239	0.371								
1078240	0.113								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1078241	0.360								
1078242	0.277								
1078243	0.111								
1078244	0.029								
1078245	0.171								
1078246	< 0.005								
1078247	0.208								
1078248	< 0.005								
1078249	0.155								
1078250	0.125								
1078251	0.614								
1078252	0.442								
1078253	0.908								
1078254	2.058								
1078255	0.711								
1078256	0.993								
1078257	1.155								
1078258	0.070								
1078259	0.514								
1078260	1.554								
1078261	0.208								
1078262	0.234								
1078263	0.907								
1078264	1.720								
1078265	1.240								
1078266	0.488								
1078267	0.112								
1078268	0.110								
1078269	0.284								
1078270	0.082								
1078271	0.095								
1078272	< 0.005								
1078273	0.014								
1078274	0.072								
1078275	0.180								
1078276	1.142								
1078277	0.552								
1078278	0.069								
1078279	0.088								
1078280	0.336								
1078281	0.204								
1078282	2.323								
1078283	0.897								
1078284	0.211								
1078285	0.081								
1078286	0.403								
1078287	0.454								
1078288	0.118								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1078289	0.058								
1078290	0.258								
1078291	0.059								
1078292	0.014								
1078293	0.017								
1078294	0.091								
1078295	0.055								
1078296	< 0.005								
1078297	0.036								
1078298	0.041								
1078299	1.029								
1078300	0.021								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.52		
SN75 Cert		8.67		
OREAS 257 Meas		13.9	14.1	
OREAS 257 Cert		14.18	14.18	
Oreas 237 (fire Assay) Meas	2.174			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.179			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.182			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.198			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.242			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.211			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.172			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.182			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.119			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.222			
Oreas 237 (fire Assay) Cert	2.21			
Oreas E1336 (Fire Assay) Meas	0.519			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.493			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.522			
Oreas E1336 (Fire Assay) Cert	0.510			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Oreas E1336 (Fire Assay) Meas	0.492			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.507			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.490			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.493			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.502			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.493			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.493			
Oreas E1336 (Fire Assay) Cert	0.510			
1078010 Orig	0.035			
1078010 Dup	0.035			
1078020 Orig	0.045			
1078020 Dup	0.046			
1078030 Orig	0.051			
1078030 Dup	0.051			
1078045 Orig	0.050			
1078045 Dup	0.065			
1078054 Orig	0.023			
1078054 Dup	0.032			
1078064 Orig	0.048			
1078064 Dup	0.059			
1078079 Orig	0.110			
1078079 Dup	0.109			
1078089 Orig	0.359			
1078089 Dup	0.380			
1078099 Orig	0.074			
1078099 Dup	0.056			
1078100 Split Orig PREP DUP	0.164			
1078100 Split PREP DUP	0.143			
1078114 Orig	0.138			
1078114 Dup	0.115			
1078123 Orig	0.074			
1078123 Dup	0.075			



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank			< 0.03	
Method Blank			< 0.03	





IAMGOLD Corporation  
2140 Regent Street Unit 10  
Sudbury Ontario P3E 5S8  
Canada

Report No.: A20-07443-8-4Acid  
Report Date: 12-Aug-20  
Date Submitted: 10-Jul-20  
Your Reference: 234

ATTN: Alan Smith

### CERTIFICATE OF ANALYSIS

199 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
8-4 Acid Total Digestion	QOP Total Assay (Code 8-4 Acid Total Digestion Assays)	2020-07-31 09:03:14

REPORT **A20-07443-8-4Acid**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1078301	< 3	< 0.003	< 0.003	0.136	0.001	< 0.003	< 0.003	< 0.003	0.003
1078302	< 3	< 0.003	< 0.003	0.136	0.001	< 0.003	< 0.003	< 0.003	0.004
1078303	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078304	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1078305	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078306	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1078307	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078308	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078309	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078310	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078311	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078312	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078313	< 3	< 0.003	< 0.003	0.531	0.003	0.033	0.004	< 0.003	0.008
1078314	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078315	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078316	< 3	< 0.003	< 0.003	0.049	0.004	< 0.003	0.004	< 0.003	0.004
1078317	< 3	< 0.003	< 0.003	0.105	0.003	< 0.003	0.012	< 0.003	0.005
1078318	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078319	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078320	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078321	< 3	< 0.003	< 0.003	0.067	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078322	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078323	< 3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078324	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078325	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078326	5	< 0.003	< 0.003	1.14	0.002	< 0.003	< 0.003	< 0.003	0.002
1078327	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078328	< 3	< 0.003	< 0.003	0.107	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078329	< 3	< 0.003	< 0.003	0.317	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078330	< 3	< 0.003	< 0.003	0.381	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078331	< 3	< 0.003	< 0.003	0.055	0.001	< 0.003	< 0.003	< 0.003	0.004
1078332	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078333	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078334	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078335	< 3	< 0.003	< 0.003	0.152	< 0.001	0.004	< 0.003	< 0.003	0.003
1078336	< 3	< 0.003	< 0.003	0.770	0.004	0.023	0.005	< 0.003	0.012
1078337	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078338	< 3	< 0.003	< 0.003	0.148	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078339	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	0.008	< 0.003	0.002
1078340	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078341	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078342	< 3	< 0.003	< 0.003	0.103	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078343	< 3	< 0.003	< 0.003	0.163	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078344	< 3	< 0.003	< 0.003	0.152	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078345	< 3	< 0.003	< 0.003	0.238	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078346	< 3	< 0.003	< 0.003	0.201	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078347	< 3	< 0.003	< 0.003	0.129	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078348	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078349	< 3	< 0.003	< 0.003	0.130	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1078350	< 3	< 0.003	< 0.003	0.140	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078351	< 3	< 0.003	< 0.003	0.103	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078352	< 3	< 0.003	< 0.003	0.302	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078353	< 3	< 0.003	< 0.003	1.17	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078354	< 3	< 0.003	< 0.003	0.242	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078355	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078356	< 3	< 0.003	< 0.003	0.079	0.002	< 0.003	< 0.003	< 0.003	0.002
1078357	< 3	< 0.003	< 0.003	0.154	0.001	< 0.003	< 0.003	< 0.003	0.002
1078358	< 3	< 0.003	< 0.003	0.120	0.001	< 0.003	< 0.003	< 0.003	0.002
1078359	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078360	< 3	< 0.003	< 0.003	1.10	0.002	0.052	0.003	0.003	0.010
1078361	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078362	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	0.003
1078363	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
1078364	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078365	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.002
1078366	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.002
1078367	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078368	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078369	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078370	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078371	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.002
1078372	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078373	< 3	< 0.003	< 0.003	0.112	0.002	< 0.003	< 0.003	< 0.003	0.002
1078374	< 3	< 0.003	< 0.003	0.108	0.003	< 0.003	< 0.003	< 0.003	0.006
1078375	< 3	< 0.003	< 0.003	0.309	0.002	< 0.003	< 0.003	< 0.003	0.002
1078376	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078377	3	< 0.003	< 0.003	0.093	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078378	< 3	< 0.003	< 0.003	0.270	0.001	< 0.003	< 0.003	< 0.003	0.002
1078379	< 3	< 0.003	< 0.003	0.139	0.001	< 0.003	< 0.003	< 0.003	0.002
1078380	< 3	< 0.003	< 0.003	0.284	0.001	< 0.003	< 0.003	< 0.003	0.002
1078381	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078382	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078383	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078384	< 3	< 0.003	< 0.003	0.275	0.004	0.010	0.005	< 0.003	0.008
1078385	< 3	< 0.003	< 0.003	0.065	0.001	< 0.003	< 0.003	< 0.003	0.002
1078386	< 3	< 0.003	< 0.003	0.294	0.001	0.004	< 0.003	< 0.003	0.002
1078387	< 3	< 0.003	< 0.003	0.185	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078388	< 3	< 0.003	< 0.003	0.164	0.002	< 0.003	< 0.003	< 0.003	0.003
1078389	< 3	< 0.003	< 0.003	0.121	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078390	< 3	< 0.003	< 0.003	0.137	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078391	< 3	< 0.003	< 0.003	0.072	0.004	< 0.003	< 0.003	< 0.003	0.003
1078392	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.002
1078393	< 3	< 0.003	< 0.003	0.118	< 0.001	< 0.003	0.003	< 0.003	0.002
1078394	< 3	< 0.003	< 0.003	0.124	0.001	< 0.003	< 0.003	< 0.003	0.002
1078395	< 3	< 0.003	< 0.003	0.160	0.001	0.003	< 0.003	< 0.003	0.002
1078396	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078397	< 3	< 0.003	< 0.003	0.181	0.001	< 0.003	< 0.003	< 0.003	0.002
1078398	< 3	< 0.003	< 0.003	0.060	0.002	< 0.003	< 0.003	< 0.003	0.002
1078399	< 3	< 0.003	< 0.003	0.047	0.002	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1078400	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078401	< 3	< 0.003	< 0.003	0.069	0.002	< 0.003	< 0.003	< 0.003	0.003
1078402	< 3	< 0.003	< 0.003	0.125	0.001	< 0.003	< 0.003	< 0.003	0.003
1078403	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.002
1078404	< 3	< 0.003	< 0.003	0.013	0.011	< 0.003	< 0.003	< 0.003	0.007
1078405	< 3	< 0.003	< 0.003	0.085	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078406	< 3	< 0.003	< 0.003	0.119	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078407	< 3	< 0.003	< 0.003	0.160	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078408	< 3	< 0.003	< 0.003	0.146	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078409	< 3	< 0.003	< 0.003	0.109	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078410	< 3	< 0.003	< 0.003	0.107	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078411	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078412	< 3	< 0.003	< 0.003	0.518	0.004	0.034	0.004	< 0.003	0.009
1078413	< 3	< 0.003	< 0.003	0.087	0.001	< 0.003	< 0.003	< 0.003	0.002
1078414	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.002
1078415	< 3	< 0.003	< 0.003	0.058	0.002	< 0.003	< 0.003	< 0.003	0.002
1078416	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	0.002
1078417	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078418	< 3	< 0.003	< 0.003	0.082	0.001	< 0.003	< 0.003	< 0.003	0.002
1078419	< 3	< 0.003	< 0.003	0.143	0.001	< 0.003	< 0.003	< 0.003	0.002
1078420	< 3	< 0.003	< 0.003	0.090	0.001	< 0.003	< 0.003	< 0.003	0.002
1078421	< 3	< 0.003	< 0.003	0.117	0.001	< 0.003	< 0.003	< 0.003	0.002
1078422	< 3	< 0.003	< 0.003	0.093	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078423	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078424	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078425	< 3	< 0.003	< 0.003	0.093	0.004	< 0.003	< 0.003	< 0.003	0.004
1078426	< 3	< 0.003	< 0.003	0.103	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078427	< 3	< 0.003	< 0.003	0.093	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078428	< 3	< 0.003	< 0.003	0.178	0.001	< 0.003	< 0.003	< 0.003	0.002
1078429	< 3	< 0.003	< 0.003	0.127	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078430	< 3	< 0.003	< 0.003	0.107	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078431	< 3	< 0.003	< 0.003	0.091	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078432	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078433	< 3	< 0.003	< 0.003	0.219	0.002	< 0.003	< 0.003	< 0.003	0.003
1078434	< 3	< 0.003	< 0.003	0.079	0.001	< 0.003	< 0.003	< 0.003	0.003
1078435	< 3	< 0.003	< 0.003	0.225	0.001	< 0.003	< 0.003	< 0.003	0.003
1078436	< 3	< 0.003	< 0.003	0.740	0.004	0.024	0.004	< 0.003	0.012
1078437	< 3	< 0.003	< 0.003	0.169	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078438	< 3	< 0.003	< 0.003	0.228	0.001	< 0.003	< 0.003	< 0.003	0.002
1078439	< 3	< 0.003	< 0.003	0.175	0.001	< 0.003	< 0.003	< 0.003	0.001
1078440	< 3	< 0.003	< 0.003	0.147	0.001	< 0.003	< 0.003	< 0.003	0.002
1078441	< 3	< 0.003	< 0.003	0.098	0.001	< 0.003	< 0.003	< 0.003	0.002
1078442	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
1078443	< 3	< 0.003	< 0.003	0.063	0.001	< 0.003	< 0.003	< 0.003	0.002
1078444	< 3	< 0.003	0.004	0.127	0.006	< 0.003	< 0.003	< 0.003	0.005
1078445	< 3	< 0.003	< 0.003	0.111	0.001	< 0.003	< 0.003	< 0.003	0.001
1078446	< 3	< 0.003	< 0.003	0.126	0.001	< 0.003	< 0.003	< 0.003	0.001
1078447	< 3	< 0.003	< 0.003	0.156	0.001	< 0.003	< 0.003	< 0.003	0.001
1078448	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1078449	< 3	< 0.003	< 0.003	0.189	0.001	< 0.003	< 0.003	< 0.003	0.001
1078450	< 3	< 0.003	< 0.003	0.205	0.001	< 0.003	< 0.003	< 0.003	0.001
1078451	< 3	< 0.003	< 0.003	0.198	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078452	< 3	< 0.003	< 0.003	0.129	0.001	< 0.003	< 0.003	< 0.003	0.001
1078453	< 3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	0.001
1078454	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.001
1078455	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078456	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078457	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078458	< 3	< 0.003	< 0.003	0.134	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078459	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078460	< 3	< 0.003	< 0.003	1.05	0.003	0.050	0.004	< 0.003	0.011
1078461	< 3	< 0.003	< 0.003	0.086	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078462	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078463	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078464	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078465	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078466	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078467	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078468	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078469	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078470	< 3	< 0.003	< 0.003	0.059	0.001	< 0.003	< 0.003	< 0.003	0.001
1078471	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078472	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078473	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.001
1078474	< 3	< 0.003	< 0.003	0.069	0.001	< 0.003	< 0.003	< 0.003	0.001
1078475	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.001
1078476	< 3	< 0.003	< 0.003	0.028	0.002	< 0.003	< 0.003	< 0.003	0.002
1078477	< 3	< 0.003	< 0.003	0.109	0.001	< 0.003	< 0.003	< 0.003	0.001
1078478	< 3	< 0.003	< 0.003	0.104	0.001	< 0.003	< 0.003	< 0.003	0.001
1078479	< 3	< 0.003	< 0.003	0.107	0.001	< 0.003	< 0.003	< 0.003	0.002
1078480	< 3	< 0.003	< 0.003	0.071	0.001	< 0.003	< 0.003	< 0.003	0.001
1078481	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078482	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078483	< 3	< 0.003	< 0.003	0.158	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078484	< 3	< 0.003	< 0.003	0.265	0.004	0.010	0.006	< 0.003	0.008
1078485	< 3	< 0.003	< 0.003	0.251	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078486	< 3	< 0.003	< 0.003	0.160	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078487	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078488	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078489	< 3	< 0.003	< 0.003	0.291	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078490	< 3	< 0.003	< 0.003	0.243	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1078491	< 3	< 0.003	< 0.003	0.288	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078492	< 3	< 0.003	< 0.003	0.223	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078493	< 3	< 0.003	< 0.003	0.163	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078494	< 3	< 0.003	< 0.003	0.193	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078495	< 3	< 0.003	< 0.003	0.410	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078496	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078497	< 3	< 0.003	< 0.003	0.236	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078498	< 3	< 0.003	< 0.003	0.257	< 0.001	< 0.003	< 0.003	< 0.003	0.001

**Results**

**Activation Laboratories Ltd.**

**Report: A20-07443**

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1078499	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	137		2.06	25.1			47.5		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	132		2.06	25.3			47.4		
PTM-1a Cert	135		2.05	24.96			47.44		
HV-2 Meas				0.539		0.051	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.564		0.053	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.111	0.003	< 0.003	0.013
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.117	0.003	0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07238 (NCS DC 70006) Meas				0.009		1.51	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.46	< 0.003	< 0.003	0.006
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
MP-1b Meas	49	0.055		3.10		0.029		2.13	17.0
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.052		3.02		0.029		2.10	16.5
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.007	6.29				0.016	0.065
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	19		0.006	6.51				0.017	0.063
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 98 (4 Acid) Meas	44		0.012	15.0				0.033	0.140
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.013	14.9				0.033	0.136
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 13b (4-Acid) Meas	< 3		0.008	0.235		< 0.003	0.236		0.012
OREAS 13b (4-Acid) Cert	0.86			0.2327			0.2247		
NCS DC86303 Meas					0.216				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.212				
NCS DC86303					0.210				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Cert									
NCS DC86314 Meas					1.82				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.84				
NCS DC86314 Cert					1.81				
CPB-2 Meas		0.016		0.121				63.5	6.07
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		0.016		0.122				63.5	6.03
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CZN-4 Meas	51	0.260	0.009	0.400				0.182	55.1
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.259	0.009	0.403				0.180	54.6
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.93				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.01				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	53		0.305	7.86			11.1	0.085	0.215
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.315	7.72			11.5	0.080	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	206	0.007	0.030	22.2				0.680	3.00
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	204	0.008	0.031	23.1				0.705	3.09
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	9		0.005	3.87				0.009	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.005	3.91				0.011	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
1078312 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078312 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078313 Orig	< 3	< 0.003	< 0.003	0.532	0.003	0.033	0.005	< 0.003	0.008
1078313 Dup	< 3	< 0.003	< 0.003	0.530	0.003	0.033	0.004	0.003	0.008
1078333 Orig	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078333 Dup	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.002



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1078347 Orig	< 3	< 0.003	< 0.003	0.128	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078347 Dup	< 3	< 0.003	< 0.003	0.129	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078350 Split PREP DUP	< 3	< 0.003	< 0.003	0.135	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078361 Orig	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078361 Dup	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1078378 Orig	< 3	< 0.003	< 0.003	0.269	0.001	< 0.003	< 0.003	< 0.003	0.002
1078378 Dup	< 3	< 0.003	< 0.003	0.271	0.001	< 0.003	< 0.003	< 0.003	0.002
1078396 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078396 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078400 Split PREP DUP	< 3	< 0.003	< 0.003	0.059	0.001	< 0.003	< 0.003	< 0.003	0.002
1078401 Orig	< 3	< 0.003	< 0.003	0.070	0.002	< 0.003	< 0.003	< 0.003	0.003
1078401 Dup	< 3	< 0.003	< 0.003	0.067	0.002	< 0.003	< 0.003	< 0.003	0.003
1078425 Orig	< 3	< 0.003	< 0.003	0.095	0.004	< 0.003	< 0.003	< 0.003	0.004
1078425 Dup	< 3	< 0.003	< 0.003	0.091	0.004	< 0.003	< 0.003	< 0.003	0.004
1078440 Orig	< 3	< 0.003	< 0.003	0.147	0.001	< 0.003	< 0.003	< 0.003	0.002
1078440 Dup	< 3	< 0.003	< 0.003	0.146	0.001	< 0.003	< 0.003	< 0.003	0.002
1078450 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.205	0.001	< 0.003	< 0.003	< 0.003	0.001
1078450 Split PREP DUP	< 3	< 0.003	< 0.003	0.196	0.001	< 0.003	< 0.003	< 0.003	0.002
1078459 Orig	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078459 Dup	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078467 Orig	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078467 Dup	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078485 Orig	< 3	< 0.003	< 0.003	0.254	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078485 Dup	< 3	< 0.003	< 0.003	0.248	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1078498 Orig	< 3	< 0.003	< 0.003	0.262	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1078498 Dup	< 3	< 0.003	< 0.003	0.253	0.001	< 0.003	< 0.003	< 0.003	0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-07443-Au
Report Date: 30-Jul-20
Date Submitted: 10-Jul-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

199 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Test Name, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-07443-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Elitsa Hrischeva

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.02
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
1078301	0.273								
1078302	0.547								
1078303	0.007								
1078304	0.048								
1078305	0.074								
1078306	0.167								
1078307	0.323								
1078308	0.136								
1078309	1.105								
1078310	0.104								
1078311	> 5.000	19.8	1.73	1.52	3.27	43.76	437.94	481.70	8.24
1078312	0.009								
1078313	0.613								
1078314	0.299								
1078315	0.217								
1078316	0.386								
1078317	0.306								
1078318	0.108								
1078319	0.068								
1078320	0.008								
1078321	0.131								
1078322	0.178								
1078323	0.056								
1078324	0.006								
1078325	0.035								
1078326	> 5.000	207	4.33	4.65	17.6	31.74	458.32	490.06	11.4
1078327	0.145								
1078328	0.193								
1078329	> 5.000	5.38	7.31	6.76	6.92	34.58	458.12	492.70	6.93
1078330	4.541								4.87
1078331	1.302								
1078332	0.099								
1078333	0.300								
1078334	0.214								
1078335	0.167								
1078336	0.454								
1078337	0.393								
1078338	0.303								
1078339	0.317								
1078340	0.042								
1078341	0.089								
1078342	0.092								
1078343	0.074								
1078344	0.090								
1078345	0.139								
1078346	0.241								
1078347	0.055								
1078348	< 0.005								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.02
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
1078349	0.178								
1078350	0.237								
1078351	0.075								
1078352	0.043								
1078353	0.911								
1078354	0.478								
1078355	0.338								
1078356	0.039								
1078357	0.082								
1078358	0.070								
1078359	0.828								
1078360	1.484								
1078361	0.027								
1078362	0.017								
1078363	< 0.005								
1078364	0.125								
1078365	2.549								
1078366	0.023								
1078367	> 5.000	127	18.5	19.3	28.6	43.00	437.43	480.43	10.8
1078368	< 0.005								
1078369	0.246								
1078370	0.838								
1078371	0.055								
1078372	0.005								
1078373	0.538								
1078374	0.564								
1078375	0.281								
1078376	0.023								
1078377	0.075								
1078378	0.071								
1078379	0.059								
1078380	0.142								
1078381	0.040								
1078382	0.505								
1078383	1.056								
1078384	0.215								
1078385	0.104								
1078386	4.867								4.74
1078387	> 5.000	2.68	2.54	2.37	2.47	36.13	453.64	489.77	5.16
1078388	0.498								
1078389	0.134								
1078390	0.172								
1078391	0.082								
1078392	0.139								
1078393	0.121								
1078394	0.122								
1078395	0.085								
1078396	< 0.005								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.02
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
1078397	0.208								
1078398	0.103								
1078399	0.035								
1078400	0.155								
1078401	0.616								
1078402	0.087								
1078403	0.041								
1078404	0.029								
1078405	0.141								
1078406	0.860								
1078407	0.230								
1078408	0.346								
1078409	0.051								
1078410	0.064								
1078411	0.071								
1078412	0.677								
1078413	0.136								
1078414	0.020								
1078415	0.060								
1078416	0.448								
1078417	0.150								
1078418	0.061								
1078419	0.079								
1078420	0.057								
1078421	0.145								
1078422	0.087								
1078423	0.085								
1078424	< 0.005								
1078425	0.274								
1078426	1.256								
1078427	1.178								
1078428	2.476								
1078429	0.287								
1078430	0.136								
1078431	0.579								
1078432	0.033								
1078433	0.413								
1078434	4.622								4.81
1078435	0.176								
1078436	0.471								
1078437	0.777								
1078438	0.337								
1078439	0.223								
1078440	0.102								
1078441	0.057								
1078442	< 0.005								
1078443	0.027								
1078444	0.083								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.02
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
1078445	0.059								
1078446	0.257								
1078447	0.496								
1078448	< 0.005								
1078449	0.628								
1078450	0.582								
1078451	0.232								
1078452	0.036								
1078453	0.235								
1078454	0.108								
1078455	0.188								
1078456	0.015								
1078457	0.010								
1078458	0.089								
1078459	0.013								
1078460	1.583								
1078461	0.072								
1078462	0.017								
1078463	0.086								
1078464	0.264								
1078465	0.024								
1078466	0.021								
1078467	0.145								
1078468	0.065								
1078469	0.043								
1078470	0.050								
1078471	0.009								
1078472	< 0.005								
1078473	< 0.005								
1078474	0.136								
1078475	0.020								
1078476	0.060								
1078477	0.057								
1078478	0.253								
1078479	0.109								
1078480	0.055								
1078481	0.053								
1078482	0.015								
1078483	0.187								
1078484	0.217								
1078485	1.139								
1078486	0.988								
1078487	0.080								
1078488	0.611								
1078489	0.119								
1078490	0.188								
1078491	0.758								
1078492	0.229								

**Results**

**Activation Laboratories Ltd.**

**Report: A20-07443**

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.02
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-GRA
1078493	0.875								
1078494	0.207								
1078495	0.534								
1078496	< 0.005								
1078497	0.299								
1078498	0.338								
1078499	0.107								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.02
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
SN75 Meas									8.52
SN75 Cert									8.67
SN75 Meas									8.71
SN75 Cert									8.67
OREAS 257 Meas					14.3				14.6
OREAS 257 Cert					14.18				14.18
OREAS 257 Meas									14.4
OREAS 257 Cert									14.18
Oreas 237 (fire Assay) Meas	2.118								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.105								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.263								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.238								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.210								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.192								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.146								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.226								
Oreas 237 (fire Assay) Cert	2.21								
Oreas E1336 (Fire Assay) Meas	0.513								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.513								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.503								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.516								



Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.02
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.513								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.509								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.496								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.520								
Oreas E1336 (Fire Assay) Cert	0.510								
1078310 Orig	0.094								
1078310 Dup	0.114								
1078311 Orig		19.8	1.73	1.52	3.27	43.76	437.94	481.70	
1078320 Orig	0.008								
1078320 Dup	0.007								
1078326 Orig		207	4.33	4.65	17.6	31.74	458.32	490.06	
1078329 Orig		5.38	7.31	6.76	6.92	34.58	458.12	492.70	
1078330 Orig	4.625								
1078330 Dup	4.457								
1078350 Split Orig PREP DUP	0.237								
1078350 Split PREP DUP	0.207								
1078364 Orig	0.133								
1078364 Dup	0.117								
1078367 Orig		127	18.5	19.3	28.6	43.00	437.43	480.43	
1078379 Orig	0.061								
1078379 Dup	0.057								
1078387 Orig		2.68	2.54	2.37	2.47	36.13	453.64	489.77	
1078389 Orig	0.131								
1078389 Dup	0.137								
1078399 Orig	0.041								
1078399 Dup	0.029								
1078400 Split Orig PREP DUP	0.155								
1078400 Split PREP DUP	0.140								
1078410 Orig	0.067								
1078410 Dup	0.060								
1078420 Orig	0.045								
1078420 Dup	0.069								
1078430 Orig	0.142								
1078430 Dup	0.130								





Report No.: A20-07445-8-4Acid
Report Date: 21-Aug-20
Date Submitted: 10-Jul-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

360 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2020-08-07 09:08:20

REPORT A20-07445-8-4Acid

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Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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## Results

## Activation Laboratories Ltd.

Report: A20-07445

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1083001	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083002	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.003
1083003	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.001
1083004	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1083005	< 3	< 0.003	< 0.003	0.033	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1083006	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083007	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.001
1083008	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.001
1083009	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083010	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083011	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083012	< 3	< 0.003	< 0.003	0.555	0.004	0.032	0.006	< 0.003	0.008
1083013	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083014	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083015	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083016	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083017	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.001
1083018	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.001
1083019	< 3	< 0.003	< 0.003	0.038	0.002	< 0.003	< 0.003	< 0.003	0.001
1083020	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.001
1083021	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.001
1083022	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1083023	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.002
1083024	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083025	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.002
1083026	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.004
1083027	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.005
1083028	< 3	< 0.003	< 0.003	0.019	0.002	< 0.003	< 0.003	< 0.003	0.002
1083029	< 3	< 0.003	< 0.003	0.009	0.002	0.005	< 0.003	< 0.003	0.001
1083030	< 3	< 0.003	< 0.003	0.007	0.002	0.003	< 0.003	< 0.003	0.004
1083031	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.004
1083032	< 3	< 0.003	< 0.003	0.027	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1083033	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.001
1083034	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.002
1083035	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	0.003	0.071
1083036	< 3	< 0.003	< 0.003	0.764	0.004	0.021	0.004	< 0.003	0.010
1083037	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	0.003	0.077
1083038	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.003
1083039	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.001
1083040	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.002
1083041	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.001
1083042	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.004
1083043	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	0.003	< 0.003	0.004
1083044	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.001
1083045	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083046	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.002
1083047	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.003
1083048	< 3	< 0.003	0.005	0.015	0.001	< 0.003	0.009	< 0.003	0.011
1083049	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1083050	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.002
1083051	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083052	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083053	< 3	< 0.003	0.003	0.015	0.003	< 0.003	0.009	< 0.003	0.006
1083054	< 3	< 0.003	0.003	0.008	0.002	< 0.003	0.009	< 0.003	0.006
1083055	< 3	< 0.003	0.004	0.017	0.003	< 0.003	0.012	< 0.003	0.005
1083056	< 3	< 0.003	0.003	0.010	0.003	< 0.003	0.014	< 0.003	0.005
1083057	< 3	< 0.003	0.005	0.011	0.003	< 0.003	0.016	< 0.003	0.004
1083058	< 3	< 0.003	0.005	0.001	0.006	< 0.003	0.017	< 0.003	0.006
1083059	< 3	< 0.003	0.004	0.001	0.003	< 0.003	0.018	< 0.003	0.005
1083060	< 3	< 0.003	< 0.003	1.07	0.003	0.047	0.004	< 0.003	0.010
1083061	< 3	< 0.003	0.005	0.003	0.003	< 0.003	0.019	< 0.003	0.005
1083062	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.024	< 0.003	0.005
1083063	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.028	< 0.003	0.004
1083064	< 3	< 0.003	0.003	0.007	0.004	< 0.003	0.021	< 0.003	0.004
1083065	< 3	< 0.003	0.009	< 0.001	0.003	< 0.003	0.078	< 0.003	0.007
1083066	< 3	< 0.003	0.009	< 0.001	0.002	< 0.003	0.092	< 0.003	0.007
1083067	< 3	< 0.003	0.010	< 0.001	< 0.001	< 0.003	0.110	< 0.003	0.006
1083068	< 3	< 0.003	0.010	< 0.001	< 0.001	< 0.003	0.110	< 0.003	0.006
1083069	< 3	< 0.003	0.011	< 0.001	< 0.001	< 0.003	0.111	< 0.003	0.006
1083070	< 3	< 0.003	0.011	< 0.001	< 0.001	< 0.003	0.111	< 0.003	0.006
1083071	< 3	< 0.003	0.011	0.002	< 0.001	< 0.003	0.128	< 0.003	0.007
1083072	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083073	< 3	< 0.003	0.008	0.001	< 0.001	< 0.003	0.098	< 0.003	0.005
1083074	< 3	< 0.003	0.015	0.054	0.003	< 0.003	0.143	< 0.003	0.007
1083075	< 3	< 0.003	0.004	0.012	0.003	< 0.003	0.030	< 0.003	0.004
1083076	< 3	< 0.003	0.004	0.010	0.004	< 0.003	0.028	< 0.003	0.004
1083077	< 3	< 0.003	< 0.003	< 0.001	0.005	< 0.003	0.021	< 0.003	0.004
1083078	< 3	< 0.003	0.003	< 0.001	0.004	< 0.003	0.017	< 0.003	0.003
1083079	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	0.014	< 0.003	0.003
1083080	< 3	< 0.003	< 0.003	0.002	0.003	< 0.003	0.011	< 0.003	0.002
1083081	< 3	< 0.003	< 0.003	0.002	0.003	< 0.003	0.008	< 0.003	0.003
1083082	< 3	< 0.003	< 0.003	0.010	0.004	< 0.003	0.007	< 0.003	0.003
1083083	< 3	< 0.003	< 0.003	0.007	0.003	< 0.003	0.004	< 0.003	0.002
1083084	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083085	< 3	< 0.003	< 0.003	0.290	0.004	0.011	0.007	< 0.003	0.008
1083086	< 3	< 0.003	0.004	0.015	0.002	< 0.003	0.008	< 0.003	0.004
1083087	< 3	< 0.003	0.003	0.047	0.002	< 0.003	0.005	< 0.003	0.003
1083088	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	0.005	< 0.003	0.004
1083089	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	0.004	< 0.003	0.003
1083090	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	0.003	< 0.003	0.003
1083091	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	0.004	< 0.003	0.003
1083092	< 3	< 0.003	0.003	0.017	0.001	< 0.003	0.003	< 0.003	0.003
1083093	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	0.003	< 0.003	0.003
1083094	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.003
1083095	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.004
1083096	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083097	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.003
1083098	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.005
1083099	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1083100	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.003
1083101	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	< 0.003	< 0.003	0.004
1083102	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.003
1083103	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.003
1083104	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	0.004	< 0.003	0.003
1083105	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	0.004	< 0.003	0.003
1083106	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.003
1083107	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	0.004
1083108	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	0.005	< 0.003	0.003
1083109	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	0.003	< 0.003	0.004
1083110	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	0.004	< 0.003	0.004
1083111	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.004
1083112	< 3	< 0.003	< 0.003	0.514	0.004	0.031	0.004	< 0.003	0.009
1083113	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	0.004	< 0.003	0.004
1083114	< 3	< 0.003	< 0.003	0.001	0.001	< 0.003	0.004	< 0.003	0.004
1083115	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	0.004	0.003	0.004
1083116	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.004
1083117	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.004
1083118	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.004
1083119	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.003
1083120	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	0.003	0.002
1083121	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
1083122	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083123	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083124	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083125	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
1083126	< 3	< 0.003	< 0.003	0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
1083127	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.005
1083128	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083129	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083130	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083131	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.004
1083132	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083133	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083134	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083135	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083136	< 3	< 0.003	< 0.003	0.753	0.004	0.023	0.004	< 0.003	0.012
1083137	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083138	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083139	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083140	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083141	< 3	< 0.003	< 0.003	0.011	0.001	0.009	< 0.003	< 0.003	0.003
1083142	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083143	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083144	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083145	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083146	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083147	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083148	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1083149	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083150	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083151	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083152	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083153	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083154	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083155	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083156	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083157	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083158	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083159	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083160	3	< 0.003	< 0.003	1.18	0.003	0.054	0.004	0.005	0.012
1083161	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083162	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083163	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083164	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083165	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083166	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	0.004	0.002
1083167	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083168	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083169	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083170	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083171	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083172	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083173	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083174	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083175	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	0.004	0.001
1083176	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083177	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	0.003	0.002
1083178	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083179	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083180	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083181	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083182	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083183	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083184	< 3	< 0.003	< 0.003	0.290	0.004	0.009	0.007	< 0.003	0.008
1083185	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083186	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083187	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083188	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083189	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083190	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	0.003	0.005
1083191	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.002
1083192	4	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083193	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083194	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083195	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083196	< 3	< 0.003	< 0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1083197	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	0.003	0.002
1083198	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1083199	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	0.003	0.006
1083200	< 3	< 0.003	< 0.003	0.181	0.001	< 0.003	< 0.003	0.006	0.019
1083201	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083202	< 3	< 0.003	< 0.003	0.015	< 0.001	0.003	< 0.003	< 0.003	0.002
1083203	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083204	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1083205	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.003
1083206	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083207	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083208	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083209	< 3	< 0.003	< 0.003	0.118	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083210	3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083211	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083212	< 3	< 0.003	< 0.003	0.497	0.003	0.031	0.005	< 0.003	0.008
1083213	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083214	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083215	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083216	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083217	4	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083218	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083219	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083220	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.003
1083221	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083222	< 3	< 0.003	< 0.003	0.027	0.001	< 0.003	< 0.003	< 0.003	0.002
1083223	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083224	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	< 0.003	< 0.003	0.002
1083225	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083226	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083227	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.002
1083228	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083229	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.003
1083230	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083231	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083232	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083233	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083234	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083235	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083236	< 3	< 0.003	< 0.003	0.763	0.004	0.023	0.004	< 0.003	0.011
1083237	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083238	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083239	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083240	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083241	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083242	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083243	< 3	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083244	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083245	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083246	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083247	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1083248	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083249	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083250	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083251	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083252	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083253	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083254	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083255	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083256	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083257	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083258	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083259	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083260	< 3	< 0.003	< 0.003	1.16	0.003	0.051	0.004	< 0.003	0.011
1083261	< 3	< 0.003	< 0.003	0.089	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083262	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083263	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083264	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083265	< 3	< 0.003	0.003	0.006	0.004	< 0.003	< 0.003	< 0.003	0.006
1083266	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083267	< 3	< 0.003	< 0.003	0.059	0.001	< 0.003	< 0.003	< 0.003	0.002
1083268	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083269	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083270	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083271	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083272	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083273	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083274	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083275	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083276	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083277	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083278	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.003
1083279	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083280	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083281	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083282	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083283	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083284	< 3	< 0.003	< 0.003	0.288	0.004	0.010	0.006	< 0.003	0.008
1083285	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	0.001
1083286	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.007
1083287	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1083288	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083289	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083290	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083291	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083292	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083293	< 3	< 0.003	< 0.003	0.086	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083294	< 3	< 0.003	< 0.003	0.100	0.001	< 0.003	< 0.003	< 0.003	0.001
1083295	< 3	< 0.003	< 0.003	0.108	0.001	< 0.003	< 0.003	< 0.003	0.001
1083296	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083297	< 3	< 0.003	< 0.003	0.036	0.005	< 0.003	0.003	< 0.003	0.004

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1083298	< 3	< 0.003	< 0.003	0.028	0.004	< 0.003	< 0.003	< 0.003	0.005
1083299	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083300	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.002
1083301	< 3	< 0.003	< 0.003	0.047	0.001	< 0.003	< 0.003	< 0.003	0.002
1083302	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083303	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.001
1083304	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083305	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083306	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.002
1083307	< 3	< 0.003	< 0.003	0.022	0.002	< 0.003	< 0.003	< 0.003	0.004
1083308	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083309	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	< 0.003	0.001
1083310	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	0.002
1083311	< 3	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	< 0.003	0.002
1083312	< 3	< 0.003	< 0.003	0.553	0.004	0.034	0.004	< 0.003	0.009
1083313	< 3	< 0.003	< 0.003	0.067	0.001	< 0.003	< 0.003	< 0.003	0.001
1083314	< 3	< 0.003	< 0.003	0.046	0.001	< 0.003	< 0.003	< 0.003	0.002
1083315	< 3	< 0.003	< 0.003	0.121	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1083316	< 3	< 0.003	< 0.003	0.074	0.001	< 0.003	< 0.003	< 0.003	0.003
1083317	< 3	< 0.003	< 0.003	0.100	0.001	< 0.003	< 0.003	< 0.003	0.003
1083318	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1083319	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083320	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083321	< 3	< 0.003	< 0.003	0.055	0.001	< 0.003	< 0.003	< 0.003	0.003
1083322	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083323	< 3	< 0.003	< 0.003	0.065	0.001	< 0.003	< 0.003	< 0.003	0.003
1083324	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083325	< 3	< 0.003	< 0.003	0.227	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083326	< 3	< 0.003	< 0.003	0.151	0.001	< 0.003	< 0.003	< 0.003	0.002
1083327	< 3	< 0.003	< 0.003	0.075	0.001	< 0.003	< 0.003	< 0.003	0.001
1083328	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.006
1083329	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083330	< 3	< 0.003	< 0.003	0.091	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083331	< 3	< 0.003	< 0.003	0.152	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083332	< 3	< 0.003	< 0.003	0.114	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083333	< 3	< 0.003	< 0.003	0.242	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083334	< 3	< 0.003	< 0.003	0.153	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083335	5	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083336	< 3	< 0.003	< 0.003	0.792	0.004	0.024	0.004	< 0.003	0.013
1083337	< 3	< 0.003	< 0.003	0.227	0.001	< 0.003	< 0.003	< 0.003	0.001
1083338	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083339	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083340	< 3	< 0.003	< 0.003	0.126	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083341	< 3	< 0.003	< 0.003	0.060	< 0.001	0.004	< 0.003	< 0.003	0.002
1083342	< 3	< 0.003	0.004	0.003	0.005	< 0.003	0.009	< 0.003	0.012
1083343	< 3	< 0.003	< 0.003	0.045	0.002	< 0.003	< 0.003	< 0.003	0.003
1083344	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083345	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083346	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1083347	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083348	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083349	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083350	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083351	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083352	< 3	< 0.003	0.003	0.009	0.005	< 0.003	0.004	< 0.003	0.012
1083353	< 3	< 0.003	0.004	0.007	0.006	< 0.003	0.004	< 0.003	0.011
1083354	< 3	< 0.003	< 0.003	0.019	0.003	< 0.003	< 0.003	< 0.003	0.007
1083355	< 3	< 0.003	< 0.003	0.023	0.004	< 0.003	< 0.003	< 0.003	0.006
1083356	< 3	< 0.003	< 0.003	0.054	0.003	< 0.003	< 0.003	< 0.003	0.005
1083357	< 3	< 0.003	< 0.003	0.037	0.003	< 0.003	< 0.003	< 0.003	0.007
1083358	< 3	< 0.003	< 0.003	0.087	0.003	< 0.003	< 0.003	< 0.003	0.005
1083359	< 3	< 0.003	< 0.003	0.021	0.004	< 0.003	0.003	< 0.003	0.009
1083360	< 3	< 0.003	< 0.003	1.19	0.003	0.053	0.004	< 0.003	0.012

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	134		2.04	24.9			47.6		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	128		1.97	25.3			45.0		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	131		2.09	24.4			46.6		
PTM-1a Cert	135		2.05	24.96			47.44		
HV-2 Meas				0.593		0.053	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.574		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.606		0.054	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.575		0.047	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.116	0.003	0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.109	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.005		0.121	< 0.003	0.003	0.013
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.113	0.003	< 0.003	0.011
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07238 (NCS DC 70006) Meas				0.009		1.56	0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.46	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.47	< 0.003	< 0.003	0.009
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.47	< 0.003	< 0.003	0.009
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
MP-1b Meas	48	0.055		3.20		0.030		2.13	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	46	0.049		2.83		0.028		2.06	16.4
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	50	0.054		2.99		0.027		2.14	16.5
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	18		0.006	6.33				0.014	0.065

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	17		0.006	6.20				0.015	0.063
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	19		0.006	6.11				0.015	0.063
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	19		0.006	6.06				0.014	0.060
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 98 (4 Acid) Meas	42		0.012	14.1				0.033	0.134
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	42		0.012	14.8				0.035	0.132
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.013	14.5				0.033	0.131
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 13b (4-Acid) Meas	< 3		0.009	0.241		< 0.003	0.238		0.014
OREAS 13b (4-Acid) Cert	0.86			0.2327			0.2247		
NCS DC86303 Meas					0.217				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.209				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.204				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.211				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.80				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.76				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.87				
NCS DC86314					1.81				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Cert									
NCS DC86314 Meas					1.78				
NCS DC86314 Cert					1.81				
CPB-2 Meas		0.016		0.127				63.5	6.25
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		0.016		0.124				63.5	6.18
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		0.016		0.125				63.5	6.24
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CZN-4 Meas	52	0.264	0.009	0.423				0.187	53.2
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	53	0.264	0.009	0.430				0.193	56.6
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	53	0.268	0.010	0.425				0.186	55.5
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.02				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					9.06				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.53				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	51		0.307	7.76			11.3	0.084	0.214
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.313	7.96			11.6	0.086	0.219
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	55		0.320	8.16			11.3	0.084	0.221
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.326	7.87			11.3	0.080	0.212
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	211	0.008	0.031	23.5				0.725	3.12
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	216	0.008	0.031	23.1				0.725	3.11
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	199	0.007	0.030	23.3				0.691	3.00
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
CCU-1e Meas	216	0.007	0.033	23.5				0.720	3.06
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	4.06				0.011	0.047
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.005	3.88				0.010	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	9		0.004	3.71				0.012	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.89				0.009	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
1083012 Orig	< 3	< 0.003	< 0.003	0.553	0.004	0.031	0.004	< 0.003	0.008
1083012 Dup	< 3	< 0.003	< 0.003	0.556	0.004	0.032	0.007	< 0.003	0.008
1083013 Orig	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
1083013 Dup	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083033 Orig	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.001
1083033 Dup	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	0.001
1083047 Orig	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.002
1083047 Dup	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.003
1083050 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.002
1083050 Split PREP DUP	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.002
1083060 Orig	< 3	< 0.003	< 0.003	1.04	0.003	0.045	0.003	< 0.003	0.009
1083060 Dup	4	< 0.003	< 0.003	1.10	0.003	0.048	0.005	< 0.003	0.011
1083077 Orig	< 3	< 0.003	< 0.003	< 0.001	0.005	< 0.003	0.022	< 0.003	0.004
1083077 Dup	< 3	< 0.003	0.003	< 0.001	0.005	< 0.003	0.021	< 0.003	0.004
1083094 Orig	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.003
1083094 Dup	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.003
1083100 Split Orig PREP DUP	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.003
1083100 Split PREP DUP	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.003
1083101 Orig	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	< 0.003	< 0.003	0.004
1083101 Dup	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	< 0.003	< 0.003	0.003
1083123 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083123 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083138 Orig	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083138 Dup	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083150 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083150 Split PREP DUP	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083156 Orig	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083156 Dup	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083164 Orig	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1083164 Dup	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083182 Orig	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1083182 Dup	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083195 Orig	3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083195 Dup	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083200 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.181	0.001	< 0.003	< 0.003	0.006	0.019
1083200 Split PREP DUP	< 3	< 0.003	< 0.003	0.178	0.001	< 0.003	< 0.003	0.008	0.018
1083213 Orig	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083213 Dup	4	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083220 Orig	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.003
1083220 Dup	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.003
1083248 Orig	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083248 Dup	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083250 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083250 Split PREP DUP	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083261 Orig	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083261 Dup	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083275 Orig	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083275 Dup	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083286 Orig	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.006
1083286 Dup	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.007
1083300 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.002
1083300 Split PREP DUP	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083308 Orig	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083308 Dup	< 3	< 0.003	< 0.003	0.038	0.001	< 0.003	< 0.003	< 0.003	0.002
1083309 Orig	< 3	< 0.003	< 0.003	0.039	0.001	< 0.003	< 0.003	< 0.003	0.001
1083309 Dup	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	< 0.003	0.001
1083328 Orig	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.006
1083328 Dup	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.006
1083329 Orig	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083329 Dup	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083343 Orig	< 3	< 0.003	< 0.003	0.044	0.002	< 0.003	< 0.003	< 0.003	0.003
1083343 Dup	< 3	< 0.003	< 0.003	0.045	0.002	< 0.003	< 0.003	< 0.003	0.003
1083350 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083350 Split PREP DUP	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083356 Orig	< 3	< 0.003	< 0.003	0.055	0.002	< 0.003	< 0.003	< 0.003	0.005
1083356 Dup	< 3	< 0.003	< 0.003	0.054	0.003	< 0.003	< 0.003	< 0.003	0.005
1083360 Orig	3	< 0.003	< 0.003	1.17	0.003	0.052	0.005	< 0.003	0.011
1083360 Dup	< 3	< 0.003	< 0.003	1.21	0.003	0.053	0.004	< 0.003	0.012
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-07445-Au
Report Date: 11-Aug-20
Date Submitted: 10-Jul-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

360 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2-Timmins (ppm) | QOP AA-Au (Au - Fire Assay AA) | 2020-07-27 11:28:38

REPORT A20-07445-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083001	0.016								
1083002	0.025								
1083003	0.024								
1083004	0.038								
1083005	0.051								
1083006	0.019								
1083007	0.012								
1083008	0.016								
1083009	0.008								
1083010	0.009								
1083011	0.024								
1083012	0.677								
1083013	0.028								
1083014	0.009								
1083015	0.256								
1083016	0.033								
1083017	0.040								
1083018	0.007								
1083019	0.015								
1083020	0.011								
1083021	0.007								
1083022	0.081								
1083023	0.029								
1083024	< 0.005								
1083025	0.150								
1083026	0.142								
1083027	0.013								
1083028	0.083								
1083029	0.064								
1083030	0.084								
1083031	0.014								
1083032	0.115								
1083033	0.038								
1083034	0.016								
1083035	0.040								
1083036	0.475								
1083037	0.021								
1083038	0.078								
1083039	0.059								
1083040	0.307								
1083041	0.493								
1083042	0.294								
1083043	0.702								
1083044	0.129								
1083045	< 0.005								
1083046	0.090								
1083047	0.122								
1083048	0.009								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083049	0.194								
1083050	0.274								
1083051	0.270								
1083052	0.296								
1083053	0.037								
1083054	0.019								
1083055	0.081								
1083056	0.050								
1083057	0.019								
1083058	0.030								
1083059	0.034								
1083060	1.609								
1083061	0.024								
1083062	0.007								
1083063	0.010								
1083064	0.140								
1083065	0.015								
1083066	0.020								
1083067	0.036								
1083068	0.009								
1083069	0.039								
1083070	0.013								
1083071	0.014								
1083072	0.005								
1083073	0.044								
1083074	0.292								
1083075	0.051								
1083076	0.026								
1083077	0.183								
1083078	0.035								
1083079	0.045								
1083080	0.017								
1083081	0.099								
1083082	1.108								
1083083	> 5.000	23.1	4.66	3.15	2.85	3.12	34.53	454.94	489.47
1083084	0.126								
1083085	0.234								
1083086	< 0.005								
1083087	0.595								
1083088	0.176								
1083089	0.061								
1083090	0.048								
1083091	0.061								
1083092	0.038								
1083093	0.107								
1083094	0.308								
1083095	0.168								
1083096	0.007								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083097	0.099								
1083098	0.039								
1083099	0.065								
1083100	0.124								
1083101	0.132								
1083102	0.171								
1083103	0.427								
1083104	0.042								
1083105	0.061								
1083106	0.048								
1083107	0.112								
1083108	0.051								
1083109	0.028								
1083110	0.117								
1083111	0.016								
1083112	0.668								
1083113	0.012								
1083114	0.016								
1083115	0.021								
1083116	0.019								
1083117	0.012								
1083118	0.020								
1083119	0.015								
1083120	0.014								
1083121	0.008								
1083122	0.006								
1083123	0.009								
1083124	0.005								
1083125	0.008								
1083126	0.008								
1083127	0.022								
1083128	0.020								
1083129	0.112								
1083130	0.402								
1083131	0.025								
1083132	1.396								
1083133	0.038								
1083134	0.233								
1083135	0.014								
1083136	0.501								
1083137	0.039								
1083138	0.174								
1083139	0.023								
1083140	0.129								
1083141	0.104								
1083142	0.045								
1083143	0.052								
1083144	0.035								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083145	0.094								
1083146	0.054								
1083147	0.106								
1083148	< 0.005								
1083149	0.077								
1083150	0.051								
1083151	0.048								
1083152	0.131								
1083153	0.040								
1083154	0.922								
1083155	0.116								
1083156	0.096								
1083157	0.069								
1083158	0.111								
1083159	0.177								
1083160	1.538								
1083161	0.247								
1083162	0.051								
1083163	0.035								
1083164	0.030								
1083165	0.106								
1083166	0.056								
1083167	0.059								
1083168	0.063								
1083169	0.061								
1083170	0.060								
1083171	0.030								
1083172	0.017								
1083173	0.018								
1083174	0.033								
1083175	0.093								
1083176	0.130								
1083177	0.046								
1083178	0.092								
1083179	0.048								
1083180	0.135								
1083181	0.213								
1083182	0.058								
1083183	0.158								
1083184	0.222								
1083185	0.268								
1083186	0.107								
1083187	0.083								
1083188	0.207								
1083189	0.091								
1083190	0.679								
1083191	0.155								
1083192	0.304								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083193	0.210								
1083194	0.504								
1083195	0.299								
1083196	0.591								
1083197	0.008								
1083198	0.317								
1083199	0.376								
1083200	1.032								
1083201	0.095								
1083202	0.154								
1083203	0.076								
1083204	0.103								
1083205	0.491								
1083206	0.458								
1083207	0.169								
1083208	0.161								
1083209	1.165								
1083210	0.604								
1083211	1.470								
1083212	0.683								
1083213	0.308								
1083214	0.566								
1083215	0.561								
1083216	0.286								
1083217	0.376								
1083218	0.289								
1083219	0.260								
1083220	0.302								
1083221	0.223								
1083222	0.159								
1083223	0.144								
1083224	0.005								
1083225	0.181								
1083226	0.135								
1083227	0.706								
1083228	0.186								
1083229	0.064								
1083230	0.045								
1083231	0.519								
1083232	0.323								
1083233	0.283								
1083234	0.651								
1083235	0.180								
1083236	0.471								
1083237	0.524								
1083238	1.502								
1083239	0.957								
1083240	0.461								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083241	0.201								
1083242	0.150								
1083243	1.160								
1083244	0.159								
1083245	0.268								
1083246	0.167								
1083247	0.097								
1083248	< 0.005								
1083249	0.063								
1083250	0.086								
1083251	0.510								
1083252	0.127								
1083253	0.220								
1083254	0.334								
1083255	0.060								
1083256	0.279								
1083257	0.225								
1083258	1.145								
1083259	0.406								
1083260	1.611								
1083261	0.374								
1083262	0.431								
1083263	0.456								
1083264	0.342								
1083265	0.011								
1083266	0.087								
1083267	1.517								
1083268	1.170								
1083269	0.347								
1083270	0.379								
1083271	0.231								
1083272	< 0.005								
1083273	0.048								
1083274	0.294								
1083275	0.266								
1083276	1.847								
1083277	1.075								
1083278	0.988								
1083279	0.465								
1083280	0.222								
1083281	0.222								
1083282	0.157								
1083283	0.241								
1083284	0.218								
1083285	1.420								
1083286	1.801								
1083287	0.905								
1083288	0.449								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083289	3.336	3.82							
1083290	1.877								
1083291	0.864								
1083292	1.078								
1083293	0.688								
1083294	0.640								
1083295	0.582								
1083296	0.006								
1083297	0.958								
1083298	0.246								
1083299	0.074								
1083300	3.095	3.36							
1083301	0.552								
1083302	0.309								
1083303	1.821								
1083304	0.918								
1083305	0.360								
1083306	0.193								
1083307	3.762	4.49							
1083308	> 5.000	5.94	18.5	1.53	1.32	2.76	38.09	447.68	485.77
1083309	0.716								
1083310	0.721								
1083311	0.379								
1083312	0.675								
1083313	0.688								
1083314	0.198								
1083315	0.714								
1083316	> 5.000	9.72	11.6	9.46	8.75	9.29	34.79	452.79	487.58
1083317	0.650								
1083318	0.570								
1083319	0.340								
1083320	0.784								
1083321	0.546								
1083322	0.396								
1083323	0.352								
1083324	0.006								
1083325	0.950								
1083326	0.623								
1083327	0.433								
1083328	0.022								
1083329	0.368								
1083330	0.701								
1083331	0.845								
1083332	0.412								
1083333	0.594								
1083334	0.623								
1083335	> 5.000	5.77	32.0	3.72	3.28	5.35	31.82	458.55	490.37
1083336	0.470								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1083337	2.055								
1083338	0.209								
1083339	0.212								
1083340	1.142								
1083341	0.342								
1083342	0.024								
1083343	1.228								
1083344	0.259								
1083345	0.123								
1083346	0.194								
1083347	0.283								
1083348	0.006								
1083349	0.109								
1083350	0.095								
1083351	0.091								
1083352	0.010								
1083353	0.012								
1083354	0.041								
1083355	0.041								
1083356	0.058								
1083357	0.053								
1083358	> 5.000	12.5	43.1	4.81	4.42	7.24	33.43	458.50	491.93
1083359	0.028								
1083360	1.591								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.76		
SN75 Cert		8.67		
OREAS 218 Meas	0.513			
OREAS 218 Cert	0.531			
OREAS 257 Meas		14.7	14.3	
OREAS 257 Cert		14.18	14.18	
Oreas 237 (fire Assay) Meas	2.192			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.288			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.132			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.113			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.228			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.255			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.202			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.236			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.125			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.214			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.270			
Oreas 237 (fire Assay) Cert	2.21			
Oreas E1336 (Fire Assay) Meas	0.491			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.520			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.511			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.496			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.524			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.517			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.515			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.490			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.513			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.513			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.517			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.521			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.495			
Oreas E1336 (Fire Assay) Cert	0.510			
1083010 Orig	0.009			
1083010 Dup	0.008			
1083020 Orig	0.013			
1083020 Dup	0.008			
1083030 Orig	0.077			
1083030 Dup	0.091			
1083045 Orig	< 0.005			
1083045 Dup	< 0.005			
1083050 Split Orig PREP DUP	0.274			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
1083050 Split PREP DUP	0.246			
1083054 Orig	0.017			
1083054 Dup	0.021			
1083079 Orig	0.046			
1083079 Dup	0.043			
1083083 Orig			3.12	489.47
1083089 Orig	0.073			
1083089 Dup	0.050			
1083099 Orig	0.073			
1083099 Dup	0.058			
1083100 Split Orig PREP DUP	0.124			
1083100 Split PREP DUP	0.115			
1083113 Orig	0.012			
1083113 Dup	0.011			
1083123 Orig	0.007			
1083123 Dup	0.010			
1083133 Orig	0.040			
1083133 Dup	0.036			
1083148 Orig	< 0.005			
1083148 Dup	< 0.005			
1083150 Split Orig PREP DUP	0.051			
1083150 Split PREP DUP	0.050			
1083157 Orig	0.074			
1083157 Dup	0.065			
1083182 Orig	0.052			
1083182 Dup	0.064			
1083192 Orig	0.316			
1083192 Dup	0.292			
1083198 Orig	0.324			
1083198 Dup	0.309			
1083200 Split Orig PREP DUP	1.032			
1083200 Split PREP DUP	0.876			
1083239 Orig	0.955			
1083239 Dup	0.960			
1083249 Orig	0.067			
1083249 Dup	0.059			
1083250 Split Orig PREP DUP	0.086			
1083250 Split PREP DUP	0.107			
1083261 Orig	0.347			
1083261 Dup	0.401			
1083270 Orig	0.299			
1083270 Dup	0.459			
1083285 Orig	1.419			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
1083285 Dup	1.421			
1083295 Orig	0.583			
1083295 Dup	0.582			
1083300 Split Orig PREP DUP	3.095	3.36		
1083300 Split PREP DUP	3.173	3.56		
1083304 Orig	0.962			
1083304 Dup	0.873			
1083308 Orig			2.76	485.77
1083316 Orig			9.29	487.58
1083319 Orig	0.318			
1083319 Dup	0.361			
1083329 Orig	0.365			
1083329 Dup	0.371			
1083335 Orig		5.87	5.35	490.37
1083335 Dup		5.67		
1083350 Split Orig PREP DUP	0.095			
1083350 Split PREP DUP	0.085			
1083353 Orig	0.012			
1083353 Dup	0.012			
1083358 Orig			7.24	491.93
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	0.005			
Method Blank	< 0.005			
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Method Blank	< 0.005			
Method Blank	0.005			
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Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank			< 0.03	
Method Blank			< 0.03	
Method Blank	< 0.005			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank	< 0.005			



Report No.: A20-07986-8-4 Acid
Report Date: 14-Sep-20
Date Submitted: 16-Jul-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

82 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2020-09-02 11:41:44

REPORT A20-07986-8-4 Acid

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Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1083361	< 3	< 0.003	0.004	0.039	0.003	< 0.003	< 0.003	< 0.003	0.008
1083362	< 3	< 0.003	0.004	0.042	0.004	< 0.003	0.003	< 0.003	0.008
1083363	< 3	< 0.003	0.005	0.006	0.005	< 0.003	0.004	< 0.003	0.010
1083364	< 3	< 0.003	0.004	0.013	0.004	< 0.003	0.003	< 0.003	0.009
1083365	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083366	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083367	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083368	< 3	< 0.003	< 0.003	0.121	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083369	< 3	< 0.003	< 0.003	0.227	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1083370	< 3	< 0.003	< 0.003	0.259	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1083371	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083372	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083373	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083374	< 3	< 0.003	< 0.003	0.068	< 0.001	0.003	< 0.003	< 0.003	0.002
1083375	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083376	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083377	< 3	< 0.003	< 0.003	0.107	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083378	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083379	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083380	< 3	< 0.003	< 0.003	0.317	< 0.001	< 0.003	< 0.003	< 0.003	0.010
1083381	< 3	< 0.003	< 0.003	0.159	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083382	< 3	< 0.003	< 0.003	0.119	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083383	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083384	< 3	< 0.003	< 0.003	0.277	0.003	0.009	0.006	< 0.003	0.008
1083385	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083386	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083387	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1083388	< 3	< 0.003	< 0.003	0.116	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1083389	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1083390	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1083391	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083392	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083393	< 3	< 0.003	< 0.003	0.114	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083394	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083395	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083396	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083397	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083398	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083399	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083400	< 3	< 0.003	< 0.003	0.171	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083401	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083402	< 3	< 0.003	< 0.003	0.070	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083403	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083404	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083405	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083406	< 3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083407	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083408	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083409	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1083410	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083411	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083412	< 3	< 0.003	< 0.003	0.549	0.003	0.032	0.003	< 0.003	0.009
1083413	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083414	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083415	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083416	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083417	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083418	< 3	< 0.003	< 0.003	0.096	0.002	< 0.003	< 0.003	< 0.003	0.005
1083419	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083420	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083421	< 3	< 0.003	< 0.003	0.112	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083422	< 3	< 0.003	< 0.003	0.125	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083423	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1083424	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083425	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083426	< 3	< 0.003	0.005	0.006	0.005	< 0.003	0.004	< 0.003	0.007
1083427	< 3	< 0.003	0.005	0.008	0.004	< 0.003	0.004	< 0.003	0.008
1083428	< 3	< 0.003	0.005	0.008	0.004	< 0.003	0.004	< 0.003	0.008
1083429	< 3	< 0.003	0.005	0.006	0.006	< 0.003	0.004	< 0.003	0.008
1083430	< 3	< 0.003	0.004	0.040	0.005	< 0.003	0.004	< 0.003	0.007
1083431	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083432	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083433	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083434	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083435	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083436	< 3	< 0.003	< 0.003	0.783	0.003	0.023	0.003	< 0.003	0.011
1083437	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083438	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083439	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1083440	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.002
1083441	< 3	< 0.003	0.004	0.005	0.003	< 0.003	< 0.003	< 0.003	0.007
1083442	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	131		2.05	24.5			46.2		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	134		2.13	24.9			46.3		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	133		2.09	24.9			48.5		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	130		2.05	24.2			46.7		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.073	0.978			2.12		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.987			2.13		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.075	1.01			2.20		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.568		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.557		0.049	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.539		0.053	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.591		0.053	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.577		0.050	< 0.003		0.002
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.551		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.108	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.107	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.110	< 0.003	0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.115	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.005		0.115	< 0.003	0.004	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07238 (NCS DC 70006) Meas				0.010		1.47	0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
GBW 07238 (NCS DC 70006) Meas				0.009		1.44	0.004	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.46	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.55	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.47	< 0.003	< 0.003	0.006
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.46	0.004	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
MP-1b Meas	49	0.053		3.16		0.029		2.11	16.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.052		3.14		0.027		2.10	16.3
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.056		2.99		0.030		2.07	16.4
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.055		3.10		0.030		2.06	16.7
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.054		3.06		0.028		2.12	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.052		2.98		0.029		2.06	16.7
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	20		0.008	6.53				0.013	0.063
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	19		0.007	6.30				0.015	0.061
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	18		0.007	6.40				0.015	0.063
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	19		0.006	6.10				0.017	0.061
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 98 (4 Acid) Meas	44		0.014	15.0				0.033	0.133
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.014	14.7				0.033	0.132
OREAS 98 (4 Acid) Meas	45.1		0.012	14.8				0.035	0.136

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Acid) Cert									
OREAS 98 (4 Acid) Meas	45		0.013	14.6				0.033	0.140
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.012	15.5				0.033	0.135
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.012	15.4				0.033	0.132
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.221				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.208				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.206				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.214				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.217				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.207				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.85				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.79				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.90				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.76				
NCS DC86314 Cert					1.81				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86314 Meas					1.85				
NCS DC86314 Cert					1.81				
CPB-2 Meas		< 0.003		0.123				63.5	5.98
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		< 0.003		0.121				63.5	6.08
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		0.016		0.113				63.5	5.93
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		0.016							
CPB-2 Cert		0.0167							
CPB-2 Meas		0.016							
CPB-2 Cert		0.0167							
CZN-4 Meas	52	0.260	0.011	0.424				0.187	56.0
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	51	0.254	0.011	0.416				0.188	54.2
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	51	0.262	0.010	0.412				0.180	56.0
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	50	0.262	0.010	0.413				0.179	55.7
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.260	0.009	0.401				0.183	55.1
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.257	0.009	0.384				0.177	55.1
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.05				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.83				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.93				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.93				
Lithium Tetraborate FX-LT					8				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
100 lot#220610B Cert									
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.91				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.16				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	54		0.323	8.14			11.5	0.083	0.205
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.310	7.65			11.0	0.082	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.325	7.69			10.9	0.077	0.217
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	54		0.332	8.19			11.6	0.082	0.222
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.323	7.55			11.3	0.082	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.329	7.56			11.2	0.077	0.204
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	205	0.008	0.032	23.3				0.713	3.00
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	209	0.007	0.031	22.3				0.692	2.91
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	210	0.008	0.032	22.5				0.696	3.04
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	209	0.008	0.032	23.1				0.688	3.06
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	209	0.007	0.031	22.6				0.684	3.02
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	205	0.007	0.032	23.2				0.669	2.97
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.006	3.98				0.009	0.043
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.006	3.76				0.008	0.043
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.005	4.01				0.013	0.046
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457







IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

Report No.: A20-07986-Au  
 Report Date: 07-Aug-20  
 Date Submitted: 16-Jul-20  
 Your Reference: 234

ATTN: Alan Smith

## CERTIFICATE OF ANALYSIS

82 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	GOP AA-Au (Au - Fire Assay AA)	2020-08-06 14:50:28

REPORT **A20-07986-Au**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
1083361	0.070
1083362	0.043
1083363	0.099
1083364	0.023
1083365	0.136
1083366	0.047
1083367	0.044
1083368	0.138
1083369	0.305
1083370	0.442
1083371	0.142
1083372	0.007
1083373	0.146
1083374	0.215
1083375	0.279
1083376	0.241
1083377	0.599
1083378	0.912
1083379	0.800
1083380	1.015
1083381	0.388
1083382	0.297
1083383	0.429
1083384	0.212
1083385	0.111
1083386	0.143
1083387	0.325
1083388	0.347
1083389	0.151
1083390	0.116
1083391	0.229
1083392	0.069
1083393	0.538
1083394	0.142
1083395	0.363
1083396	< 0.005
1083397	0.095
1083398	0.204
1083399	0.229
1083400	0.399
1083401	0.345
1083402	0.155
1083403	1.035
1083404	0.120
1083405	0.322
1083406	0.228
1083407	0.120
1083408	0.053
1083409	0.056
1083410	0.066
1083411	0.155

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
1083412	0.722
1083413	0.118
1083414	0.170
1083415	0.192
1083416	0.232
1083417	0.077
1083418	0.315
1083419	0.085
1083420	0.171
1083421	0.222
1083422	0.339
1083423	0.242
1083424	< 0.005
1083425	0.559
1083426	0.223
1083427	0.007
1083428	< 0.005
1083429	< 0.005
1083430	0.061
1083431	0.131
1083432	0.204
1083433	0.098
1083434	0.129
1083435	0.044
1083436	0.493
1083437	0.209
1083438	0.088
1083439	0.084
1083440	0.071
1083441	0.011
1083442	0.098

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
OREAS 218 Meas	0.521
OREAS 218 Cert	0.531
OREAS 218 Meas	0.540
OREAS 218 Cert	0.531
OREAS 218 Meas	0.541
OREAS 218 Cert	0.531
Oreas E1336 (Fire Assay) Meas	0.498
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.514
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.516
Oreas E1336 (Fire Assay) Cert	0.510
1083370 Orig	0.449
1083370 Dup	0.436
1083380 Orig	1.100
1083380 Dup	0.929
1083390 Orig	0.124
1083390 Dup	0.107
1083405 Orig	0.341
1083405 Dup	0.303
1083410 Split Orig PREP DUP	0.066
1083410 Split PREP DUP	0.053
1083414 Orig	0.197
1083414 Dup	0.144
1083424 Orig	< 0.005
1083424 Dup	< 0.005
1083439 Orig	0.083
1083439 Dup	0.085
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005



Report No.: A20-07984-8-4 Acid
Report Date: 14-Sep-20
Date Submitted: 16-Jul-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

485 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
Row 1: 8-4 Acid Total Digestion | QOP Total Assay (Code 8-4 Acid Total Digestion Assays) | 2020-08-17 12:41:03

REPORT A20-07984-8-4 Acid

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1075766	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	0.003	0.003
1075767	< 3	< 0.003	< 0.003	0.013	0.001	0.003	< 0.003	< 0.003	0.002
1075768	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	0.004	0.001
1075769	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	0.006	0.002
1075770	5	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	0.004	0.003
1075771	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075772	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	0.003	< 0.001
1075773	< 3	< 0.003	< 0.003	0.071	0.001	0.003	< 0.003	0.005	0.006
1075774	4	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.001
1075775	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	0.004	0.002
1075776	< 3	< 0.003	< 0.003	0.009	< 0.001	0.004	< 0.003	0.003	0.002
1075777	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
1075778	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075779	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075780	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	0.003	0.002
1075781	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	0.007	0.002
1075782	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	0.004	0.002
1075783	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	0.003	0.002
1075784	< 3	< 0.003	< 0.003	0.263	0.004	0.010	0.009	< 0.003	0.008
1075785	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	0.003	0.002
1075786	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075787	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	0.003	0.002
1075788	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	0.004	0.001
1075789	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	0.003	0.002
1075790	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	0.004	0.001
1075791	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075792	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	0.004	0.001
1075793	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075794	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
1075795	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	0.004	0.002
1075796	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075797	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075798	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075799	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075800	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.001
1075801	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	0.004	0.002
1075802	< 3	< 0.003	< 0.003	0.021	< 0.001	0.005	< 0.003	< 0.003	0.002
1075803	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	0.003	0.001
1075804	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.003
1075805	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	0.004	0.003
1075806	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.002
1075807	< 3	< 0.003	< 0.003	0.008	0.001	0.004	< 0.003	< 0.003	0.001
1075808	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075809	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.001
1075810	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
1075811	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075812	< 3	< 0.003	< 0.003	0.532	0.004	0.032	0.005	< 0.003	0.009
1075813	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.001
1075814	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002

## Results

## Activation Laboratories Ltd.

Report: A20-07984

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1075815	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	0.004	0.003
1075816	8	< 0.003	< 0.003	0.193	< 0.001	< 0.003	< 0.003	< 0.003	0.008
1075817	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075818	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075819	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075820	< 3	< 0.003	< 0.003	0.004	< 0.001	0.004	< 0.003	0.004	0.002
1075821	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.001
1075822	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075823	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075824	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075825	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	0.006	0.002
1075826	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075827	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.002
1075828	< 3	< 0.003	< 0.003	0.008	< 0.001	0.004	< 0.003	< 0.003	0.002
1075829	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.001
1075830	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075831	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	0.004	0.002
1075832	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.003
1075833	< 3	< 0.003	< 0.003	0.072	0.001	< 0.003	< 0.003	< 0.003	0.005
1075834	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075835	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	0.004	0.005
1075836	< 3	< 0.003	< 0.003	0.759	0.004	0.027	0.004	0.003	0.011
1075837	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.001
1075838	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.001
1075839	< 3	< 0.003	< 0.003	0.056	0.001	< 0.003	0.004	0.004	0.004
1075840	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.003
1075841	< 3	< 0.003	< 0.003	0.047	0.001	< 0.003	< 0.003	< 0.003	0.011
1075842	< 3	< 0.003	< 0.003	0.038	0.001	< 0.003	< 0.003	< 0.003	0.004
1075843	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.002
1075844	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.002
1075845	< 3	< 0.003	< 0.003	0.007	< 0.001	0.004	< 0.003	0.003	0.002
1075846	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	0.007	0.001
1075847	< 3	< 0.003	< 0.003	0.004	< 0.001	0.004	< 0.003	0.004	0.002
1075848	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	0.005	< 0.001
1075849	< 3	< 0.003	< 0.003	0.007	0.001	0.005	< 0.003	0.004	0.002
1075850	< 3	< 0.003	< 0.003	0.007	< 0.001	0.004	< 0.003	< 0.003	0.002
1075851	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
1075852	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.002
1075853	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.001
1075854	< 3	< 0.003	< 0.003	< 0.001	0.005	< 0.003	< 0.003	< 0.003	0.009
1075855	< 3	< 0.003	< 0.003	< 0.001	0.005	< 0.003	0.004	< 0.003	0.013
1075856	< 3	< 0.003	< 0.003	0.001	0.005	< 0.003	< 0.003	< 0.003	0.012
1075857	< 3	< 0.003	< 0.003	< 0.001	0.007	< 0.003	0.005	< 0.003	0.013
1075858	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.001
1075859	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.001
1075860	< 3	< 0.003	< 0.003	1.12	0.003	0.049	< 0.003	0.004	0.011
1075861	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.001
1075862	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	0.004	0.001
1075863	< 3	< 0.003	< 0.003	0.001	0.004	< 0.003	< 0.003	< 0.003	0.002
1075864	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1075865	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	0.003	0.001
1075866	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.001
1075867	< 3	< 0.003	< 0.003	0.050	0.001	< 0.003	< 0.003	< 0.003	0.001
1075868	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.010
1075869	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.008
1075870	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.007
1075871	< 3	< 0.003	< 0.003	0.006	0.001	0.004	< 0.003	0.003	0.004
1075872	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075873	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.003
1075874	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	0.004	0.003
1075875	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.006
1075876	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.002
1075877	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075878	< 3	< 0.003	< 0.003	0.008	< 0.001	0.005	< 0.003	0.010	0.021
1075879	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075880	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075881	7	< 0.003	< 0.003	0.061	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075882	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075883	4	< 0.003	< 0.003	0.055	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075884	< 3	< 0.003	< 0.003	0.283	0.004	0.009	0.005	< 0.003	0.007
1075885	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075886	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075887	4	< 0.003	< 0.003	0.056	0.001	0.004	< 0.003	< 0.003	0.004
1075888	3	< 0.003	< 0.003	0.053	< 0.001	0.003	< 0.003	0.003	0.007
1075889	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1075890	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1075891	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075892	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.004
1075893	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	0.005	0.005
1075894	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.009
1075895	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075896	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075897	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075898	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075899	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	0.003	< 0.003	0.001
1075900	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075901	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075902	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075903	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	0.004	0.003	< 0.001
1075904	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075905	5	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075906	4	< 0.003	< 0.003	0.061	< 0.001	0.003	< 0.003	0.004	0.025
1075907	4	< 0.003	< 0.003	0.063	< 0.001	< 0.003	0.004	0.004	0.075
1075908	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075909	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075910	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075911	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075912	< 3	< 0.003	< 0.003	0.529	0.003	0.031	0.005	< 0.003	0.006
1075913	< 3	< 0.003	< 0.003	0.036	0.002	< 0.003	< 0.003	0.005	< 0.001



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1075914	< 3	< 0.003	< 0.003	0.026	0.002	< 0.003	< 0.003	0.004	< 0.001
1075915	4	< 0.003	< 0.003	0.072	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075916	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075917	< 3	< 0.003	< 0.003	0.028	< 0.001	0.004	< 0.003	< 0.003	< 0.001
1075918	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075919	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075920	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1075921	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075922	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075923	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075924	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075925	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075926	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075927	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075928	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.021
1075929	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075930	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075931	< 3	< 0.003	< 0.003	0.007	< 0.001	0.004	< 0.003	< 0.003	< 0.001
1075932	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075933	< 3	< 0.003	< 0.003	0.008	0.001	0.007	< 0.003	< 0.003	0.024
1075934	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.047
1075935	5	< 0.003	< 0.003	0.044	0.001	< 0.003	< 0.003	< 0.003	0.052
1075936	< 3	< 0.003	< 0.003	0.761	0.004	0.022	0.005	0.003	0.009
1075937	3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1075938	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075939	< 3	< 0.003	< 0.003	0.037	< 0.001	0.005	< 0.003	< 0.003	0.004
1075940	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075941	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075942	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075943	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075944	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075945	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075946	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.025
1075947	< 3	< 0.003	< 0.003	0.010	0.001	0.005	< 0.003	< 0.003	0.001
1075948	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075949	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.003
1075950	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.003
1075951	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075952	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075953	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075954	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	0.004	< 0.001
1075955	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075956	< 3	< 0.003	< 0.003	0.026	< 0.001	0.004	< 0.003	< 0.003	< 0.001
1075957	5	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1075958	< 3	< 0.003	< 0.003	0.052	< 0.001	0.004	< 0.003	< 0.003	< 0.001
1075959	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075960	4	< 0.003	< 0.003	1.10	0.003	0.051	0.007	0.007	0.008
1075961	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075962	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075963	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1075964	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	0.004	< 0.001
1075965	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075966	< 3	< 0.003	< 0.003	0.008	< 0.001	0.004	< 0.003	< 0.003	< 0.001
1075967	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075968	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075969	< 3	< 0.003	< 0.003	0.007	0.001	0.010	< 0.003	< 0.003	< 0.001
1075970	< 3	< 0.003	< 0.003	0.007	< 0.001	0.012	< 0.003	< 0.003	< 0.001
1075971	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075972	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075973	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075974	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075975	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	0.004	0.004
1075976	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	0.004	0.005
1075977	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	0.005	0.007
1075978	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.006
1075979	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.006
1075980	6	< 0.003	< 0.003	0.044	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075981	< 3	< 0.003	< 0.003	0.059	0.001	< 0.003	< 0.003	0.003	< 0.001
1075982	< 3	< 0.003	< 0.003	0.024	0.001	0.004	< 0.003	< 0.003	< 0.001
1075983	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075984	< 3	< 0.003	< 0.003	0.272	0.004	0.010	0.007	0.003	0.006
1075985	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075986	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	0.003	< 0.001
1075987	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075988	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.004
1075989	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
1075990	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.003
1075991	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.001
1075992	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075993	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1075994	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1075995	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	< 0.003	< 0.003	0.002
1075996	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075997	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	< 0.003	< 0.003	0.003
1075998	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.003
1075999	< 3	< 0.003	< 0.003	0.062	0.002	< 0.003	< 0.003	< 0.003	0.006
1076000	< 3	< 0.003	< 0.003	0.064	0.001	< 0.003	< 0.003	< 0.003	0.002
1076001	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.002
1076002	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.001
1076003	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.003
1076004	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.001
1076005	< 3	< 0.003	< 0.003	0.032	0.002	< 0.003	< 0.003	< 0.003	0.002
1076006	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	< 0.003	0.002
1076007	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
1076008	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.003
1076009	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.001
1076010	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.001
1076011	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.001
1076012	< 3	< 0.003	< 0.003	0.495	0.004	0.034	0.004	< 0.003	0.009

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1076013	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.001
1076014	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.001
1076015	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076016	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.001
1076017	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076018	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076019	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076020	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	0.002
1076021	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.001
1076022	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076023	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076024	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	0.003	< 0.003	< 0.001
1076025	< 3	< 0.003	< 0.003	0.027	0.001	< 0.003	< 0.003	< 0.003	0.001
1076026	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076027	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1076028	< 3	< 0.003	0.004	0.017	0.002	< 0.003	< 0.003	< 0.003	0.001
1076029	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1076030	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1076031	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.001
1076032	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1076033	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1076034	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076035	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.001
1076036	< 3	< 0.003	< 0.003	0.774	0.004	0.025	0.005	< 0.003	0.011
1076037	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1076038	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.002
1076039	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	0.001
1076040	< 3	< 0.003	0.004	0.010	0.007	< 0.003	0.006	< 0.003	0.008
1076041	< 3	< 0.003	< 0.003	0.084	0.002	< 0.003	< 0.003	< 0.003	0.001
1076042	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076043	< 3	< 0.003	< 0.003	0.026	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1076044	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.001
1076045	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.003
1076046	< 3	< 0.003	< 0.003	0.138	0.001	< 0.003	< 0.003	< 0.003	0.011
1076047	< 3	< 0.003	< 0.003	0.164	0.001	< 0.003	< 0.003	< 0.003	0.029
1076048	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076049	< 3	< 0.003	< 0.003	0.154	0.001	< 0.003	< 0.003	< 0.003	0.009
1076050	< 3	< 0.003	< 0.003	0.161	0.001	< 0.003	< 0.003	< 0.003	0.011
1076051	< 3	< 0.003	< 0.003	0.174	< 0.001	< 0.003	< 0.003	< 0.003	0.010
1076052	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	0.004	0.010
1076053	< 3	< 0.003	< 0.003	0.055	0.001	< 0.003	< 0.003	< 0.003	0.007
1076054	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	0.009
1076055	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	0.010
1076056	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.001
1076057	< 3	< 0.003	< 0.003	0.083	0.001	< 0.003	< 0.003	< 0.003	0.024
1076058	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	0.004
1076059	< 3	< 0.003	< 0.003	0.078	0.002	< 0.003	< 0.003	< 0.003	0.002
1076060	4	< 0.003	< 0.003	0.991	0.003	0.055	0.005	0.005	0.011
1076061	< 3	< 0.003	0.003	0.031	0.009	< 0.003	0.006	< 0.003	0.015
1076062	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1076063	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
1076064	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076065	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.007
1076066	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.039
1076067	< 3	< 0.003	< 0.003	0.083	0.001	< 0.003	< 0.003	< 0.003	0.004
1076068	< 3	< 0.003	< 0.003	0.061	0.001	< 0.003	< 0.003	< 0.003	0.008
1076069	< 3	< 0.003	< 0.003	0.023	0.002	< 0.003	< 0.003	< 0.003	0.002
1076070	< 3	< 0.003	< 0.003	0.023	0.002	< 0.003	< 0.003	< 0.003	0.002
1076071	< 3	< 0.003	< 0.003	0.034	0.002	< 0.003	< 0.003	< 0.003	0.002
1076072	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076073	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	0.002
1076074	< 3	< 0.003	< 0.003	0.021	0.003	< 0.003	< 0.003	< 0.003	0.002
1076075	< 3	< 0.003	< 0.003	0.043	0.002	< 0.003	< 0.003	< 0.003	0.002
1076076	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	0.002
1076077	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	0.002
1076078	< 3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	< 0.003	0.019
1076079	< 3	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	< 0.003	0.018
1076080	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.002
1076081	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.002
1076082	< 3	< 0.003	< 0.003	0.062	0.001	< 0.003	< 0.003	< 0.003	0.002
1076083	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.006
1076084	< 3	< 0.003	< 0.003	0.255	0.004	0.009	0.007	< 0.003	0.008
1076085	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.002
1076086	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	0.002
1076087	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076088	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
1076089	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076090	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076091	< 3	< 0.003	< 0.003	0.027	0.001	< 0.003	< 0.003	< 0.003	0.002
1076092	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	0.001
1076093	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.002
1076094	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.008
1076095	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.005
1076096	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076097	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.004
1076098	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	0.004
1076099	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076100	< 3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	0.002
1076101	< 3	< 0.003	< 0.003	0.060	0.001	< 0.003	< 0.003	< 0.003	0.002
1076102	< 3	< 0.003	< 0.003	0.029	0.002	< 0.003	< 0.003	< 0.003	0.003
1076103	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.012
1076104	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.012
1076105	< 3	< 0.003	< 0.003	0.020	0.002	< 0.003	< 0.003	< 0.003	0.002
1076106	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	0.001
1076107	< 3	< 0.003	< 0.003	0.020	0.002	< 0.003	< 0.003	< 0.003	0.002
1076108	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.001
1076109	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
1076110	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
1076111	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1076112	< 3	< 0.003	< 0.003	0.533	0.004	0.034	0.004	< 0.003	0.009
1076113	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1076114	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.031
1076115	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1076116	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076117	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076118	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076119	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	0.003
1076120	< 3	< 0.003	< 0.003	0.109	0.001	< 0.003	< 0.003	< 0.003	0.009
1076121	< 3	< 0.003	< 0.003	0.075	0.001	< 0.003	< 0.003	< 0.003	0.004
1076122	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.002
1076123	< 3	< 0.003	< 0.003	0.067	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076124	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076125	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076126	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076127	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1076128	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1076129	5	< 0.003	< 0.003	0.331	< 0.001	< 0.003	< 0.003	< 0.003	0.017
1076130	< 3	< 0.003	< 0.003	0.311	< 0.001	< 0.003	< 0.003	< 0.003	0.015
1076131	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076132	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076133	< 3	< 0.003	< 0.003	0.059	0.001	< 0.003	< 0.003	< 0.003	0.004
1076134	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076135	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076136	< 3	< 0.003	< 0.003	0.706	0.004	0.025	0.004	< 0.003	0.011
1076137	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076138	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.003
1076139	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076140	< 3	< 0.003	0.006	0.036	0.001	< 0.003	< 0.003	< 0.003	0.003
1076141	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076142	< 3	< 0.003	0.005	0.036	0.001	< 0.003	< 0.003	< 0.003	0.003
1076143	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	0.002
1076144	< 3	< 0.003	< 0.003	0.066	0.001	< 0.003	< 0.003	< 0.003	0.003
1076145	< 3	< 0.003	< 0.003	0.062	0.001	< 0.003	< 0.003	< 0.003	0.004
1076146	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	0.004
1076147	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.003
1076148	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076149	< 3	< 0.003	< 0.003	0.081	0.002	< 0.003	< 0.003	< 0.003	0.004
1076150	< 3	< 0.003	< 0.003	0.106	0.002	< 0.003	< 0.003	< 0.003	0.004
1076151	< 3	< 0.003	< 0.003	0.026	0.004	< 0.003	< 0.003	< 0.003	0.010
1076152	< 3	< 0.003	< 0.003	0.068	0.006	< 0.003	< 0.003	< 0.003	0.010
1076153	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	0.002
1076154	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.002
1076155	< 3	< 0.003	< 0.003	0.076	0.002	< 0.003	< 0.003	< 0.003	0.005
1076156	< 3	< 0.003	< 0.003	0.131	0.002	< 0.003	< 0.003	< 0.003	0.007
1076157	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
1076158	< 3	< 0.003	< 0.003	0.050	0.002	< 0.003	< 0.003	< 0.003	0.027
1076159	3	< 0.003	< 0.003	0.169	0.002	< 0.003	< 0.003	< 0.003	0.003
1076160	3	< 0.003	< 0.003	1.11	0.003	0.056	0.004	0.006	0.011
1076161	4	< 0.003	< 0.003	0.073	0.002	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1076162	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.002
1076163	3	< 0.003	< 0.003	0.053	0.001	< 0.003	< 0.003	< 0.003	0.002
1076164	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076165	< 3	< 0.003	< 0.003	0.089	0.002	< 0.003	< 0.003	< 0.003	0.003
1076166	< 3	< 0.003	< 0.003	0.027	0.002	< 0.003	< 0.003	< 0.003	0.003
1076167	< 3	< 0.003	< 0.003	0.093	0.002	< 0.003	< 0.003	< 0.003	0.002
1076168	< 3	< 0.003	< 0.003	0.037	0.002	< 0.003	< 0.003	< 0.003	0.001
1076169	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.001
1076170	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1076171	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.001
1076172	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076173	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.001
1076174	< 3	< 0.003	< 0.003	0.117	0.002	< 0.003	< 0.003	< 0.003	0.005
1076175	< 3	< 0.003	< 0.003	0.072	0.001	< 0.003	< 0.003	< 0.003	0.003
1076176	< 3	< 0.003	< 0.003	0.083	0.001	< 0.003	< 0.003	< 0.003	0.003
1076177	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
1076178	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.001
1076179	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.003
1076180	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.002
1076181	< 3	< 0.003	< 0.003	0.061	0.001	< 0.003	< 0.003	< 0.003	0.003
1076182	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.002
1076183	< 3	< 0.003	< 0.003	0.100	0.001	< 0.003	< 0.003	< 0.003	0.003
1076184	< 3	< 0.003	< 0.003	0.281	0.004	0.010	0.006	< 0.003	0.008
1076185	< 3	< 0.003	< 0.003	0.079	0.001	< 0.003	< 0.003	< 0.003	0.003
1076186	< 3	< 0.003	< 0.003	0.173	0.002	< 0.003	< 0.003	< 0.003	0.003
1076187	< 3	< 0.003	< 0.003	0.093	0.002	< 0.003	< 0.003	< 0.003	0.002
1076188	< 3	< 0.003	< 0.003	0.028	0.006	< 0.003	0.003	< 0.003	0.006
1076189	< 3	< 0.003	< 0.003	0.125	0.002	< 0.003	< 0.003	< 0.003	0.001
1076190	< 3	< 0.003	< 0.003	0.122	0.002	< 0.003	< 0.003	< 0.003	0.002
1076191	< 3	< 0.003	< 0.003	0.236	0.002	< 0.003	< 0.003	< 0.003	0.004
1076192	< 3	< 0.003	< 0.003	0.216	0.002	< 0.003	< 0.003	< 0.003	0.006
1076193	< 3	< 0.003	< 0.003	0.128	0.002	< 0.003	< 0.003	< 0.003	0.003
1076194	4	< 0.003	< 0.003	0.116	0.001	< 0.003	< 0.003	< 0.003	0.007
1076195	< 3	< 0.003	< 0.003	0.244	0.001	< 0.003	< 0.003	< 0.003	0.005
1076196	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076197	< 3	< 0.003	< 0.003	0.241	0.002	< 0.003	< 0.003	< 0.003	0.004
1076198	< 3	< 0.003	< 0.003	0.036	0.002	< 0.003	< 0.003	< 0.003	0.002
1076199	< 3	< 0.003	< 0.003	0.054	0.001	< 0.003	< 0.003	< 0.003	0.002
1076200	< 3	< 0.003	< 0.003	0.172	0.001	< 0.003	< 0.003	< 0.003	0.004
1076201	< 3	< 0.003	< 0.003	0.165	0.001	< 0.003	< 0.003	< 0.003	0.003
1076202	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076203	< 3	< 0.003	< 0.003	0.216	0.001	< 0.003	< 0.003	< 0.003	0.005
1076204	< 3	< 0.003	< 0.003	0.122	0.001	< 0.003	< 0.003	< 0.003	0.004
1076205	< 3	< 0.003	< 0.003	0.120	0.001	< 0.003	< 0.003	< 0.003	0.004
1076206	6	< 0.003	< 0.003	0.172	0.001	< 0.003	< 0.003	< 0.003	0.004
1076207	< 3	< 0.003	< 0.003	0.047	0.001	< 0.003	< 0.003	< 0.003	0.002
1076208	< 3	< 0.003	< 0.003	0.204	0.001	< 0.003	< 0.003	< 0.003	0.005
1076209	< 3	< 0.003	< 0.003	0.096	0.001	< 0.003	< 0.003	< 0.003	0.002
1076210	< 3	< 0.003	< 0.003	0.139	< 0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1076211	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076212	< 3	< 0.003	< 0.003	0.533	0.003	0.032	0.004	< 0.003	0.009
1076213	< 3	< 0.003	< 0.003	0.070	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076214	< 3	< 0.003	< 0.003	0.137	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076215	< 3	< 0.003	< 0.003	0.119	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076216	< 3	< 0.003	< 0.003	0.089	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076217	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076218	< 3	< 0.003	< 0.003	0.148	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076219	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076220	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076221	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076222	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076223	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076224	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076225	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076226	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076227	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076228	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076229	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076230	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076231	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076232	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076233	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076234	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076235	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076236	< 3	< 0.003	< 0.003	0.795	0.003	0.023	0.003	< 0.003	0.011
1076237	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076238	< 3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076239	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076240	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076241	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076242	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076243	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076244	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076245	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076246	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076247	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076248	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076249	< 3	< 0.003	0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.006
1076250	< 3	< 0.003	0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.006

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	131		2.05	24.5			46.2		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	134		2.13	24.9			46.3		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	133		2.09	24.9			48.5		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	130		2.05	24.2			46.7		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.073	0.978			2.12		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.987			2.13		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.075	1.01			2.20		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.568		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.557		0.049	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.539		0.053	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.591		0.053	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.577		0.050	< 0.003		0.002
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.551		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.108	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.107	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.110	< 0.003	0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.115	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.005		0.115	< 0.003	0.004	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07238 (NCS DC 70006) Meas				0.010		1.47	0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
GBW 07238 (NCS DC 70006) Meas				0.009		1.44	0.004	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.46	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.55	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.47	< 0.003	< 0.003	0.006
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.46	0.004	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
MP-1b Meas	49	0.053		3.16		0.029		2.11	16.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.052		3.14		0.027		2.10	16.3
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.056		2.99		0.030		2.07	16.4
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.055		3.10		0.030		2.06	16.7
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.054		3.06		0.028		2.12	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.052		2.98		0.029		2.06	16.7
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	20		0.008	6.53				0.013	0.063
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	19		0.007	6.30				0.015	0.061
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	18		0.007	6.40				0.015	0.063
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	19		0.006	6.10				0.017	0.061
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 98 (4 Acid) Meas	44		0.014	15.0				0.033	0.133
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.014	14.7				0.033	0.132
OREAS 98 (4 Acid) Meas	45.1		0.012	14.8				0.035	0.136

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Acid) Cert									
OREAS 98 (4 Acid) Meas	45		0.013	14.6				0.033	0.140
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.012	15.5				0.033	0.135
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.012	15.4				0.033	0.132
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.221				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.208				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.206				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.214				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.217				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.207				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.85				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.79				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.90				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.76				
NCS DC86314 Cert					1.81				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86314 Meas					1.85				
NCS DC86314 Cert					1.81				
CPB-2 Meas		< 0.003		0.123				63.5	5.98
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		< 0.003		0.121				63.5	6.08
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		0.016		0.113				63.5	5.93
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		0.016							
CPB-2 Cert		0.0167							
CPB-2 Meas		0.016							
CPB-2 Cert		0.0167							
CZN-4 Meas	52	0.260	0.011	0.424				0.187	56.0
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	51	0.254	0.011	0.416				0.188	54.2
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	51	0.262	0.010	0.412				0.180	56.0
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	50	0.262	0.010	0.413				0.179	55.7
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.260	0.009	0.401				0.183	55.1
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.257	0.009	0.384				0.177	55.1
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.05				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.83				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.93				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.93				
Lithium Tetraborate FX-LT					8				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
100 lot#220610B Cert									
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.91				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.16				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	54		0.323	8.14			11.5	0.083	0.205
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.310	7.65			11.0	0.082	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.325	7.69			10.9	0.077	0.217
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	54		0.332	8.19			11.6	0.082	0.222
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.323	7.55			11.3	0.082	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.329	7.56			11.2	0.077	0.204
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	205	0.008	0.032	23.3				0.713	3.00
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	209	0.007	0.031	22.3				0.692	2.91
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	210	0.008	0.032	22.5				0.696	3.04
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	209	0.008	0.032	23.1				0.688	3.06
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	209	0.007	0.031	22.6				0.684	3.02
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	205	0.007	0.032	23.2				0.669	2.97
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.006	3.98				0.009	0.043
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.006	3.76				0.008	0.043
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.005	4.01				0.013	0.046
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 96 (4 Acid) Meas	9		0.005	3.94				0.013	0.043
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.004	3.73				0.010	0.043
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
1075778 Orig	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075778 Dup	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1075791 Orig	< 3	< 0.003	< 0.003	0.005	< 0.001	0.003	< 0.003	< 0.003	0.001
1075791 Dup	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075799 Orig	< 3	< 0.003	< 0.003	0.005	< 0.001	0.005	< 0.003	< 0.003	0.001
1075799 Dup	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075815 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	0.004	0.003
1075815 Split PREP DUP	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.003
1075823 Orig	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075823 Dup	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075831 Orig	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	0.004	0.002
1075831 Dup	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	0.004	0.002
1075856 Orig	< 3	< 0.003	< 0.003	0.001	0.005	0.004	0.003	< 0.003	0.013
1075856 Dup	< 3	< 0.003	< 0.003	0.001	0.004	< 0.003	< 0.003	< 0.003	0.011
1075864 Orig	< 3	< 0.003	< 0.003	0.013	0.002	0.004	< 0.003	0.006	0.001
1075864 Dup	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.001
1075865 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	0.003	0.001
1075865 Split PREP DUP	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
1075889 Orig	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	0.003	0.006
1075889 Dup	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1075902 Orig	< 3	< 0.003	< 0.003	0.007	< 0.001	0.004	< 0.003	< 0.003	< 0.001
1075902 Dup	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1075910 Orig	5	< 0.003	< 0.003	0.065	< 0.001	0.004	< 0.003	< 0.003	< 0.001
1075910 Dup	< 3	< 0.003	< 0.003	0.067	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075915 Split Orig PREP DUP	4	< 0.003	< 0.003	0.072	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075915 Split PREP DUP	6	< 0.003	< 0.003	0.072	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075934 Orig	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.046
1075934 Dup	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.047
1075942 Orig	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	0.005	0.003
1075942 Dup	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1075965 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075965 Split PREP DUP	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1075966 Orig	< 3	< 0.003	< 0.003	0.008	0.001	0.005	< 0.003	< 0.003	< 0.001
1075966 Dup	< 3	< 0.003	< 0.003	0.007	< 0.001	0.003	< 0.003	0.003	< 0.001
1075974 Orig	< 3	< 0.003	< 0.003	0.007	< 0.001	0.003	< 0.003	< 0.003	< 0.001
1075974 Dup	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076000 Orig	< 3	< 0.003	< 0.003	0.063	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1076000 Dup	< 3	< 0.003	< 0.003	0.064	0.001	< 0.003	< 0.003	< 0.003	0.002
1076013 Orig	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
1076013 Dup	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.001
1076015 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076015 Split PREP DUP	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076020 Orig	3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	0.001
1076020 Dup	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	0.002
1076045 Orig	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.003
1076045 Dup	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.003
1076053 Orig	< 3	< 0.003	< 0.003	0.055	0.001	< 0.003	< 0.003	< 0.003	0.007
1076053 Dup	< 3	< 0.003	< 0.003	0.055	0.001	< 0.003	< 0.003	< 0.003	0.008
1076065 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.007
1076065 Split PREP DUP	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.007
1076077 Orig	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	0.002
1076077 Dup	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	0.002
1076085 Orig	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.002
1076085 Dup	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.002
1076111 Orig	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076111 Dup	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076115 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1076115 Split PREP DUP	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1076123 Orig	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076123 Dup	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076131 Orig	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076131 Dup	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076156 Orig	< 3	< 0.003	< 0.003	0.131	0.002	< 0.003	< 0.003	< 0.003	0.007
1076156 Dup	< 3	< 0.003	< 0.003	0.131	0.002	< 0.003	< 0.003	< 0.003	0.008
1076164 Orig	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076164 Dup	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.001
1076165 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.089	0.002	< 0.003	< 0.003	< 0.003	0.003
1076165 Split PREP DUP	< 3	< 0.003	< 0.003	0.088	0.002	< 0.003	< 0.003	< 0.003	0.003
1076188 Orig	< 3	< 0.003	< 0.003	0.028	0.006	< 0.003	0.004	< 0.003	0.006
1076188 Dup	< 3	< 0.003	< 0.003	0.029	0.006	< 0.003	0.003	< 0.003	0.006
1076196 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076196 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076215 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.119	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076215 Split PREP DUP	< 3	< 0.003	< 0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076221 Orig	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076221 Dup	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076234 Orig	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076234 Dup	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076242 Orig	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.002





Report No.: A20-07984-Au Rev  
 Report Date: 21-Aug-20  
 Date Submitted: 16-Jul-20  
 Your Reference: 234

IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

ATTN: Alan Smith

## CERTIFICATE OF ANALYSIS

485 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2020-08-07 11:46:28
1A3-50-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-08-13 22:36:30
1A4 (100mesh)-Timmins	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2020-08-13 15:48:59

REPORT **A20-07984-Au Rev**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075766	0.006								
1075767	0.012								
1075768	< 0.005								
1075769	< 0.005								
1075770	0.071								
1075771	0.008								
1075772	< 0.005								
1075773	0.068								
1075774	1.175								
1075775	> 5.000	5.66	32.4	6.44	6.42	8.18	33.04	459.19	492.23
1075776	3.313	3.38							
1075777	1.081								
1075778	0.063								
1075779	0.010								
1075780	0.005								
1075781	0.043								
1075782	< 0.005								
1075783	< 0.005								
1075784	0.204								
1075785	0.552								
1075786	< 0.005								
1075787	< 0.005								
1075788	0.188								
1075789	0.007								
1075790	< 0.005								
1075791	0.566								
1075792	0.031								
1075793	0.220								
1075794	0.006								
1075795	0.016								
1075796	< 0.005								
1075797	0.016								
1075798	0.075								
1075799	0.018								
1075800	0.034								
1075801	< 0.005								
1075802	0.041								
1075803	0.378								
1075804	0.425								
1075805	0.148								
1075806	0.436								
1075807	0.005								
1075808	< 0.005								
1075809	< 0.005								
1075810	0.020								
1075811	0.021								
1075812	0.700								
1075813	0.025								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075814	< 0.005								
1075815	0.129								
1075816	0.076								
1075817	0.011								
1075818	0.016								
1075819	0.029								
1075820	0.011								
1075821	0.013								
1075822	0.037								
1075823	0.146								
1075824	< 0.005								
1075825	0.028								
1075826	0.042								
1075827	0.009								
1075828	0.012								
1075829	0.020								
1075830	0.052								
1075831	0.907								
1075832	0.054								
1075833	2.258								
1075834	< 0.005								
1075835	0.005								
1075836	0.446								
1075837	< 0.005								
1075838	< 0.005								
1075839	0.073								
1075840	0.022								
1075841	0.077								
1075842	0.054								
1075843	0.119								
1075844	0.013								
1075845	0.293								
1075846	0.165								
1075847	0.039								
1075848	< 0.005								
1075849	0.037								
1075850	0.025								
1075851	0.137								
1075852	0.026								
1075853	0.009								
1075854	< 0.005								
1075855	< 0.005								
1075856	< 0.005								
1075857	< 0.005								
1075858	0.260								
1075859	0.081								
1075860	1.614								
1075861	0.025								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075862	0.038								
1075863	0.014								
1075864	0.023								
1075865	0.022								
1075866	0.111								
1075867	0.144								
1075868	0.043								
1075869	0.055								
1075870	0.092								
1075871	0.028								
1075872	< 0.005								
1075873	0.055								
1075874	0.014								
1075875	0.007								
1075876	0.054								
1075877	0.049								
1075878	0.090								
1075879	0.167								
1075880	0.402								
1075881	0.444								
1075882	0.043								
1075883	0.323								
1075884	0.210								
1075885	0.337								
1075886	0.012								
1075887	0.317								
1075888	0.068								
1075889	0.065								
1075890	0.057								
1075891	0.067								
1075892	0.068								
1075893	0.277								
1075894	0.280								
1075895	0.207								
1075896	< 0.005								
1075897	0.067								
1075898	0.197								
1075899	0.107								
1075900	0.024								
1075901	0.031								
1075902	0.049								
1075903	0.158								
1075904	0.948								
1075905	1.285								
1075906	0.537								
1075907	0.351								
1075908	0.290								
1075909	0.084								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075910	0.395								
1075911	0.063								
1075912	0.646								
1075913	0.270								
1075914	0.211								
1075915	0.280								
1075916	0.144								
1075917	0.116								
1075918	0.122								
1075919	0.157								
1075920	0.074								
1075921	0.021								
1075922	0.048								
1075923	0.194								
1075924	< 0.005								
1075925	0.050								
1075926	0.019								
1075927	0.018								
1075928	0.068								
1075929	0.034								
1075930	0.064								
1075931	0.018								
1075932	0.022								
1075933	0.010								
1075934	0.025								
1075935	0.412								
1075936	0.491								
1075937	0.281								
1075938	< 0.005								
1075939	0.234								
1075940	0.036								
1075941	0.017								
1075942	0.015								
1075943	0.040								
1075944	0.035								
1075945	0.026								
1075946	0.141								
1075947	0.103								
1075948	< 0.005								
1075949	0.434								
1075950	0.339								
1075951	0.371								
1075952	0.291								
1075953	0.350								
1075954	0.304								
1075955	1.497								
1075956	0.158								
1075957	2.238								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075958	0.984								
1075959	0.069								
1075960	1.430								
1075961	0.059								
1075962	0.050								
1075963	0.022								
1075964	0.017								
1075965	0.016								
1075966	0.014								
1075967	0.092								
1075968	0.021								
1075969	0.220								
1075970	0.155								
1075971	< 0.005								
1075972	0.022								
1075973	> 5.000	7.45	47.1	2.34	2.49	6.39	43.09	441.01	484.10
1075974	0.071								
1075975	0.248								
1075976	0.103								
1075977	0.021								
1075978	0.938								
1075979	1.466								
1075980	0.705								
1075981	0.407								
1075982	0.210								
1075983	0.196								
1075984	0.201								
1075985	0.217								
1075986	0.171								
1075987	0.009								
1075988	0.014								
1075989	0.174								
1075990	0.073								
1075991	0.048								
1075992	0.068								
1075993	0.059								
1075994	0.336								
1075995	< 0.005								
1075996	< 0.005								
1075997	< 0.005								
1075998	2.317								
1075999	> 5.000	4.84	19.2	4.14	3.65	5.00	35.67	457.40	493.07
1076000	0.400								
1076001	0.332								
1076002	0.513								
1076003	0.968								
1076004	1.654								
1076005	1.850								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1076006	1.312								
1076007	0.361								
1076008	1.506								
1076009	0.603								
1076010	0.819								
1076011	0.400								
1076012	0.675								
1076013	0.273								
1076014	0.256								
1076015	0.343								
1076016	0.202								
1076017	0.538								
1076018	0.021								
1076019	0.077								
1076020	0.073								
1076021	0.052								
1076022	0.096								
1076023	0.240								
1076024	< 0.005								
1076025	0.682								
1076026	0.015								
1076027	0.925								
1076028	2.263								
1076029	0.039								
1076030	1.013								
1076031	0.881								
1076032	0.223								
1076033	0.512								
1076034	0.748								
1076035	0.846								
1076036	0.497								
1076037	0.323								
1076038	2.412								
1076039	0.467								
1076040	0.028								
1076041	0.625								
1076042	0.158								
1076043	1.162								
1076044	1.595								
1076045	1.639								
1076046	2.720								
1076047	2.408								
1076048	0.005								
1076049	3.453	3.50							
1076050	4.365	4.26							
1076051	2.595								
1076052	0.179								
1076053	2.067								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1076054	1.134								
1076055	1.507								
1076056	0.072								
1076057	3.512	3.10							
1076058	0.822								
1076059	1.184								
1076060	1.388								
1076061	0.064								
1076062	0.063								
1076063	0.174								
1076064	< 0.005								
1076065	0.100								
1076066	0.039								
1076067	1.043								
1076068	0.565								
1076069	0.280								
1076070	0.336								
1076071	0.579								
1076072	< 0.005								
1076073	0.616								
1076074	0.258								
1076075	0.556								
1076076	0.546								
1076077	0.151								
1076078	0.069								
1076079	0.357								
1076080	0.689								
1076081	2.280								
1076082	2.000								
1076083	0.073								
1076084	0.216								
1076085	0.254								
1076086	0.637								
1076087	0.181								
1076088	0.299								
1076089	0.446								
1076090	0.401								
1076091	0.390								
1076092	0.179								
1076093	0.641								
1076094	0.452								
1076095	0.094								
1076096	< 0.005								
1076097	0.125								
1076098	0.729								
1076099	0.148								
1076100	0.409								
1076101	> 5.000	12.9	13.5	5.51	5.06	5.98	42.83	461.50	504.33

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1076102	0.797								
1076103	0.853								
1076104	0.317								
1076105	0.280								
1076106	0.234								
1076107	0.447								
1076108	0.415								
1076109	0.134								
1076110	0.173								
1076111	0.536								
1076112	0.678								
1076113	0.520								
1076114	0.496								
1076115	0.125								
1076116	0.227								
1076117	0.487								
1076118	2.283								
1076119	1.391								
1076120	3.134	3.20							
1076121	1.815								
1076122	0.580								
1076123	1.274								
1076124	< 0.005								
1076125	0.434								
1076126	0.553								
1076127	0.548								
1076128	0.678								
1076129	> 5.000	6.38	3.70	5.59	6.23	5.65	58.06	449.86	507.92
1076130	> 5.000	5.44	3.22	6.18	5.29	5.47	51.26	434.43	485.69
1076131	1.093								
1076132	0.156								
1076133	0.324								
1076134	0.391								
1076135	0.219								
1076136	0.481								
1076137	0.260								
1076138	0.553								
1076139	0.749								
1076140	0.363								
1076141	0.456								
1076142	0.449								
1076143	0.294								
1076144	1.007								
1076145	0.746								
1076146	0.254								
1076147	1.712								
1076148	< 0.005								
1076149	1.170								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1076150	1.124								
1076151	0.175								
1076152	0.632								
1076153	1.077								
1076154	0.047								
1076155	0.309								
1076156	0.756								
1076157	1.079								
1076158	3.601	4.00							
1076159	1.084								
1076160	1.388								
1076161	> 5.000	5.16	5.17	1.21	1.07	1.45	38.72	470.98	509.70
1076162	0.367								
1076163	0.784								
1076164	0.735								
1076165	1.077								
1076166	0.302								
1076167	0.918								
1076168	0.085								
1076169	0.021								
1076170	0.021								
1076171	0.073								
1076172	< 0.005								
1076173	1.896								
1076174	1.232								
1076175	0.509								
1076176	1.456								
1076177	0.835								
1076178	0.306								
1076179	0.925								
1076180	0.553								
1076181	1.028								
1076182	0.371								
1076183	0.760								
1076184	0.215								
1076185	1.668								
1076186	2.123								
1076187	2.036								
1076188	0.184								
1076189	1.163								
1076190	1.029								
1076191	1.109								
1076192	0.828								
1076193	0.962								
1076194	> 5.000	6.57	38.9	3.28	2.30	6.06	44.47	447.06	491.53
1076195	1.926								
1076196	0.005								
1076197	> 5.000	5.32	9.89	4.57	5.19	5.23	33.86	457.45	491.31

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1076198	0.149								
1076199	0.583								
1076200	0.653								
1076201	4.908	4.81							
1076202	< 0.005								
1076203	1.932								
1076204	1.484								
1076205	2.256								
1076206	3.656	4.84							
1076207	0.455								
1076208	1.865								
1076209	0.731								
1076210	0.857								
1076211	1.213								
1076212	0.637								
1076213	2.638								
1076214	0.563								
1076215	0.883								
1076216	1.041								
1076217	0.323								
1076218	0.737								
1076219	0.376								
1076220	1.268								
1076221	0.611								
1076222	0.591								
1076223	0.673								
1076224	< 0.005								
1076225	1.103								
1076226	0.195								
1076227	0.695								
1076228	0.288								
1076229	0.264								
1076230	0.194								
1076231	0.210								
1076232	0.171								
1076233	0.285								
1076234	0.266								
1076235	0.214								
1076236	0.499								
1076237	0.176								
1076238	0.651								
1076239	0.450								
1076240	0.048								
1076241	1.585								
1076242	0.959								
1076243	0.337								
1076244	0.142								
1076245	0.163								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1076246	0.303								
1076247	0.402								
1076248	< 0.005								
1076249	0.011								
1076250	0.062								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.66		
SN75 Cert		8.67		
SN75 Meas		8.50		
SN75 Cert		8.67		
SN75 Meas		8.74		
SN75 Cert		8.67		
OREAS 218 Meas	0.508			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.527			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.521			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.497			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.498			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.504			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.509			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.527			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.532			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.540			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.514			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.528			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.499			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.547			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.544			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.526			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.513			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.512			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.504			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.522			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.507			
OREAS 218 Cert	0.531			
OREAS 257 Meas		14.3	14.3	

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		14.5		
OREAS 257 Cert		14.18		
OREAS 257 Meas		14.3		
OREAS 257 Cert		14.18		
Oreas E1336 (Fire Assay) Meas	0.509			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.497			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.505			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.517			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.497			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.510			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.496			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.494			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.507			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.512			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.490			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.491			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.526			
Oreas E1336 (Fire Assay) Cert	0.510			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
Assay) Cert				
Oreas E1336 (Fire Assay) Meas	0.493			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.522			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.491			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.490			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.490			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.510			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.491			
Oreas E1336 (Fire Assay) Cert	0.510			
1075775 Orig	> 5.000		8.18	492.23
1075775 Dup	> 5.000			
1075795 Orig	0.018			
1075795 Dup	0.015			
1075810 Orig	0.023			
1075810 Dup	0.016			
1075815 Split Orig PREP DUP	0.129			
1075815 Split PREP DUP	0.166			
1075819 Orig	0.032			
1075819 Dup	0.026			
1075844 Orig	0.007			
1075844 Dup	0.020			
1075854 Orig	< 0.005			
1075854 Dup	< 0.005			
1075864 Orig	0.017			
1075864 Dup	0.030			
1075865 Split Orig PREP DUP	0.022			
1075865 Split PREP DUP	0.019			
1075878 Orig	0.075			
1075878 Dup	0.104			
1075888 Orig	0.076			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
1075888 Dup	0.061			
1075898 Orig	0.187			
1075898 Dup	0.207			
1075913 Orig	0.263			
1075913 Dup	0.277			
1075915 Split Orig PREP DUP	0.280			
1075915 Split PREP DUP	0.213			
1075925 Orig	0.044			
1075925 Dup	0.056			
1075935 Orig	0.395			
1075935 Dup	0.429			
1075945 Orig	0.023			
1075945 Dup	0.029			
1075961 Orig	0.062			
1075961 Dup	0.056			
1075965 Split Orig PREP DUP	0.016			
1075965 Split PREP DUP	0.014			
1075969 Orig	0.197			
1075969 Dup	0.244			
1075973 Orig			6.39	484.10
1075994 Orig	0.336			
1075994 Dup	0.337			
1075999 Orig			5.00	493.07
1076015 Split Orig PREP DUP	0.343			
1076015 Split PREP DUP	0.431			
1076028 Orig	2.373			
1076028 Dup	2.153			
1076048 Orig	0.006			
1076048 Dup	0.005			
1076063 Orig	0.146			
1076063 Dup	0.203			
1076065 Split Orig PREP DUP	0.100			
1076065 Split PREP DUP	0.107			
1076075 Orig	0.554			
1076075 Dup	0.558			
1076085 Orig	0.237			
1076085 Dup	0.271			
1076095 Orig	0.073			
1076095 Dup	0.114			
1076101 Orig			5.98	504.33
1076110 Orig	0.174			
1076110 Dup	0.172			
1076115 Split Orig PREP DUP	0.125			





Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank			< 0.03	
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank			< 0.03	
Method Blank			< 0.03	



Report No.: A20-07984-Au
Report Date: 19-Aug-20
Date Submitted: 16-Jul-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

485 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Description, Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-07984-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075766	0.006								
1075767	0.012								
1075768	< 0.005								
1075769	< 0.005								
1075770	0.071								
1075771	0.008								
1075772	< 0.005								
1075773	0.068								
1075774	1.175								
1075775	> 5.000	5.66	32.4	6.44	6.42	8.18	33.04	459.19	492.23
1075776	3.313	3.38							
1075777	1.081								
1075778	0.063								
1075779	0.010								
1075780	0.005								
1075781	0.043								
1075782	< 0.005								
1075783	< 0.005								
1075784	0.204								
1075785	0.552								
1075786	< 0.005								
1075787	< 0.005								
1075788	0.188								
1075789	0.007								
1075790	< 0.005								
1075791	0.566								
1075792	0.031								
1075793	0.220								
1075794	0.006								
1075795	0.016								
1075796	< 0.005								
1075797	0.016								
1075798	0.075								
1075799	0.018								
1075800	0.034								
1075801	< 0.005								
1075802	0.041								
1075803	0.378								
1075804	0.425								
1075805	0.148								
1075806	0.436								
1075807	0.005								
1075808	< 0.005								
1075809	< 0.005								
1075810	0.020								
1075811	0.021								
1075812	0.700								
1075813	0.025								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075814	< 0.005								
1075815	0.129								
1075816	0.076								
1075817	0.011								
1075818	0.016								
1075819	0.029								
1075820	0.011								
1075821	0.013								
1075822	0.037								
1075823	0.146								
1075824	< 0.005								
1075825	0.028								
1075826	0.042								
1075827	0.009								
1075828	0.012								
1075829	0.020								
1075830	0.052								
1075831	0.907								
1075832	0.054								
1075833	2.258								
1075834	< 0.005								
1075835	0.005								
1075836	0.446								
1075837	< 0.005								
1075838	< 0.005								
1075839	0.073								
1075840	0.022								
1075841	0.077								
1075842	0.054								
1075843	0.119								
1075844	0.013								
1075845	0.293								
1075846	0.165								
1075847	0.039								
1075848	< 0.005								
1075849	0.037								
1075850	0.025								
1075851	0.137								
1075852	0.026								
1075853	0.009								
1075854	< 0.005								
1075855	< 0.005								
1075856	< 0.005								
1075857	< 0.005								
1075858	0.260								
1075859	0.081								
1075860	1.614								
1075861	0.025								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075862	0.038								
1075863	0.014								
1075864	0.023								
1075865	0.022								
1075866	0.111								
1075867	0.144								
1075868	0.043								
1075869	0.055								
1075870	0.092								
1075871	0.028								
1075872	< 0.005								
1075873	0.055								
1075874	0.014								
1075875	0.007								
1075876	0.054								
1075877	0.049								
1075878	0.090								
1075879	0.167								
1075880	0.402								
1075881	0.444								
1075882	0.043								
1075883	0.323								
1075884	0.210								
1075885	0.337								
1075886	0.012								
1075887	0.317								
1075888	0.068								
1075889	0.065								
1075890	0.057								
1075891	0.067								
1075892	0.068								
1075893	0.277								
1075894	0.280								
1075895	0.207								
1075896	< 0.005								
1075897	0.067								
1075898	0.197								
1075899	0.107								
1075900	0.024								
1075901	0.031								
1075902	0.049								
1075903	0.158								
1075904	0.948								
1075905	1.285								
1075906	0.537								
1075907	0.351								
1075908	0.290								
1075909	0.084								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075910	0.395								
1075911	0.063								
1075912	0.646								
1075913	0.270								
1075914	0.211								
1075915	0.280								
1075916	0.144								
1075917	0.116								
1075918	0.122								
1075919	0.157								
1075920	0.074								
1075921	0.021								
1075922	0.048								
1075923	0.194								
1075924	< 0.005								
1075925	0.050								
1075926	0.019								
1075927	0.018								
1075928	0.068								
1075929	0.034								
1075930	0.064								
1075931	0.018								
1075932	0.022								
1075933	0.010								
1075934	0.025								
1075935	0.412								
1075936	0.491								
1075937	0.281								
1075938	< 0.005								
1075939	0.234								
1075940	0.036								
1075941	0.017								
1075942	0.015								
1075943	0.040								
1075944	0.035								
1075945	0.026								
1075946	0.141								
1075947	0.103								
1075948	< 0.005								
1075949	0.434								
1075950	0.339								
1075951	0.371								
1075952	0.291								
1075953	0.350								
1075954	0.304								
1075955	1.497								
1075956	0.158								
1075957	2.238								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1075958	0.984								
1075959	0.069								
1075960	1.430								
1075961	0.059								
1075962	0.050								
1075963	0.022								
1075964	0.017								
1075965	0.016								
1075966	0.014								
1075967	0.092								
1075968	0.021								
1075969	0.220								
1075970	0.155								
1075971	< 0.005								
1075972	0.022								
1075973	> 5.000	7.45	47.1	2.34	2.49	6.39	43.09	441.01	484.10
1075974	0.071								
1075975	0.248								
1075976	0.103								
1075977	0.021								
1075978	0.938								
1075979	1.466								
1075980	0.705								
1075981	0.407								
1075982	0.210								
1075983	0.196								
1075984	0.201								
1075985	0.217								
1075986	0.171								
1075987	0.009								
1075988	0.014								
1075989	0.174								
1075990	0.073								
1075991	0.048								
1075992	0.068								
1075993	0.059								
1075994	0.336								
1075995	< 0.005								
1075996	< 0.005								
1075997	< 0.005								
1075998	2.317								
1075999	> 5.000	4.84	19.2	4.14	3.65	5.00	35.67	457.40	493.07
1076000	0.400								
1076001	0.332								
1076002	0.513								
1076003	0.968								
1076004	1.654								
1076005	1.850								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1076006	1.312								
1076007	0.361								
1076008	1.506								
1076009	0.603								
1076010	0.819								
1076011	0.400								
1076012	0.675								
1076013	0.273								
1076014	0.256								
1076015	0.343								
1076016	0.202								
1076017	0.538								
1076018	0.021								
1076019	0.077								
1076020	0.073								
1076021	0.052								
1076022	0.096								
1076023	0.240								
1076024	< 0.005								
1076025	0.682								
1076026	0.015								
1076027	0.925								
1076028	2.263								
1076029	0.039								
1076030	1.013								
1076031	0.881								
1076032	0.223								
1076033	0.512								
1076034	0.748								
1076035	0.846								
1076036	0.497								
1076037	0.323								
1076038	2.412								
1076039	0.467								
1076040	0.028								
1076041	0.625								
1076042	0.158								
1076043	1.162								
1076044	1.595								
1076045	1.639								
1076046	2.720								
1076047	2.408								
1076048	0.005								
1076049	3.453	3.50							
1076050	4.365	4.26							
1076051	2.595								
1076052	0.179								
1076053	2.067								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1076054	1.134								
1076055	1.507								
1076056	0.072								
1076057	3.512	3.10							
1076058	0.822								
1076059	1.184								
1076060	1.388								
1076061	0.064								
1076062	0.063								
1076063	0.174								
1076064	< 0.005								
1076065	0.100								
1076066	0.039								
1076067	1.043								
1076068	0.565								
1076069	0.280								
1076070	0.336								
1076071	0.579								
1076072	< 0.005								
1076073	0.616								
1076074	0.258								
1076075	0.556								
1076076	0.546								
1076077	0.151								
1076078	0.069								
1076079	0.357								
1076080	0.689								
1076081	2.280								
1076082	2.000								
1076083	0.073								
1076084	0.216								
1076085	0.254								
1076086	0.637								
1076087	0.181								
1076088	0.299								
1076089	0.446								
1076090	0.401								
1076091	0.390								
1076092	0.179								
1076093	0.641								
1076094	0.452								
1076095	0.094								
1076096	< 0.005								
1076097	0.125								
1076098	0.729								
1076099	0.148								
1076100	0.409								
1076101	> 5.000	12.9	13.5	5.51	5.06	5.98	42.83	461.50	504.33

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1076102	0.797								
1076103	0.853								
1076104	0.317								
1076105	0.280								
1076106	0.234								
1076107	0.447								
1076108	0.415								
1076109	0.134								
1076110	0.173								
1076111	0.536								
1076112	0.678								
1076113	0.520								
1076114	0.496								
1076115	0.125								
1076116	0.227								
1076117	0.487								
1076118	2.283								
1076119	1.391								
1076120	3.134	3.20							
1076121	1.815								
1076122	0.580								
1076123	1.274								
1076124	< 0.005								
1076125	0.434								
1076126	0.553								
1076127	0.548								
1076128	0.678								
1076129	> 5.000	6.38	3.70	5.59	6.23	5.65	58.06	449.86	507.92
1076130	> 5.000	5.44	3.22	6.18	5.29	5.47	51.26	434.43	485.69
1076131	1.093								
1076132	0.156								
1076133	0.324								
1076134	0.391								
1076135	0.219								
1076136	0.481								
1076137	0.260								
1076138	0.553								
1076139	0.749								
1076140	0.363								
1076141	0.456								
1076142	0.449								
1076143	0.294								
1076144	1.007								
1076145	0.746								
1076146	0.254								
1076147	1.712								
1076148	< 0.005								
1076149	1.170								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1076150	1.124								
1076151	0.175								
1076152	0.632								
1076153	1.077								
1076154	0.047								
1076155	0.309								
1076156	0.756								
1076157	1.079								
1076158	3.601	4.00							
1076159	1.084								
1076160	1.388								
1076161	> 5.000	5.16	5.17	1.21	1.07	1.45	38.72	470.98	509.70
1076162	0.367								
1076163	0.784								
1076164	0.735								
1076165	1.077								
1076166	0.302								
1076167	0.918								
1076168	0.085								
1076169	0.021								
1076170	0.021								
1076171	0.073								
1076172	< 0.005								
1076173	1.896								
1076174	1.232								
1076175	0.509								
1076176	1.456								
1076177	0.835								
1076178	0.306								
1076179	0.925								
1076180	0.553								
1076181	1.028								
1076182	0.371								
1076183	0.760								
1076184	0.215								
1076185	1.668								
1076186	2.123								
1076187	2.036								
1076188	0.184								
1076189	1.163								
1076190	1.029								
1076191	1.109								
1076192	0.828								
1076193	0.962								
1076194	> 5.000	6.57	38.9	3.28	2.30	6.06	44.47	447.06	491.53
1076195	1.926								
1076196	0.005								
1076197	> 5.000	5.32	9.89	4.57	5.19	5.23	33.86	457.45	491.31

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1076198	0.149								
1076199	0.583								
1076200	0.653								
1076201	4.908	4.81							
1076202	< 0.005								
1076203	1.932								
1076204	1.484								
1076205	2.256								
1076206	3.656	4.84							
1076207	0.455								
1076208	1.865								
1076209	0.731								
1076210	0.857								
1076211	1.213								
1076212	0.637								
1076213	2.638								
1076214	0.563								
1076215	0.883								
1076216	1.041								
1076217	0.323								
1076218	0.737								
1076219	0.376								
1076220	1.268								
1076221	0.611								
1076222	0.591								
1076223	0.673								
1076224	< 0.005								
1076225	1.103								
1076226	0.195								
1076227	0.695								
1076228	0.288								
1076229	0.264								
1076230	0.194								
1076231	0.210								
1076232	0.171								
1076233	0.285								
1076234	0.266								
1076235	0.214								
1076236	0.499								
1076237	0.176								
1076238	0.651								
1076239	0.450								
1076240	0.048								
1076241	1.585								
1076242	0.959								
1076243	0.337								
1076244	0.142								
1076245	0.163								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1076246	0.303								
1076247									
1076248	< 0.005								
1076249	0.011								
1076250	0.062								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.66		
SN75 Cert		8.67		
SN75 Meas		8.50		
SN75 Cert		8.67		
SN75 Meas		8.74		
SN75 Cert		8.67		
OREAS 218 Meas	0.508			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.527			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.521			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.497			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.498			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.504			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.509			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.527			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.532			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.540			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.514			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.528			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.499			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.547			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.544			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.526			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.513			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.512			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.504			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.522			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.507			
OREAS 218 Cert	0.531			
OREAS 257 Meas		14.3	14.3	

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		14.5		
OREAS 257 Cert		14.18		
OREAS 257 Meas		14.3		
OREAS 257 Cert		14.18		
Oreas E1336 (Fire Assay) Meas	0.509			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.497			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.505			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.517			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.497			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.510			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.510			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.496			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.494			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.507			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.512			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.490			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.491			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.526			
Oreas E1336 (Fire Assay) Cert	0.510			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
Assay) Cert				
Oreas E1336 (Fire Assay) Meas	0.493			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.522			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.491			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.490			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.490			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.510			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.491			
Oreas E1336 (Fire Assay) Cert	0.510			
1075775 Orig	> 5.000		8.18	492.23
1075775 Dup	> 5.000			
1075795 Orig	0.018			
1075795 Dup	0.015			
1075810 Orig	0.023			
1075810 Dup	0.016			
1075815 Split Orig PREP DUP	0.129			
1075815 Split PREP DUP	0.166			
1075819 Orig	0.032			
1075819 Dup	0.026			
1075844 Orig	0.007			
1075844 Dup	0.020			
1075854 Orig	< 0.005			
1075854 Dup	< 0.005			
1075864 Orig	0.017			
1075864 Dup	0.030			
1075865 Split Orig PREP DUP	0.022			
1075865 Split PREP DUP	0.019			
1075878 Orig	0.075			
1075878 Dup	0.104			
1075888 Orig	0.076			



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
1075888 Dup	0.061			
1075898 Orig	0.187			
1075898 Dup	0.207			
1075913 Orig	0.263			
1075913 Dup	0.277			
1075915 Split Orig PREP DUP	0.280			
1075915 Split PREP DUP	0.213			
1075925 Orig	0.044			
1075925 Dup	0.056			
1075935 Orig	0.395			
1075935 Dup	0.429			
1075945 Orig	0.023			
1075945 Dup	0.029			
1075961 Orig	0.062			
1075961 Dup	0.056			
1075965 Split Orig PREP DUP	0.016			
1075965 Split PREP DUP	0.014			
1075969 Orig	0.197			
1075969 Dup	0.244			
1075973 Orig			6.39	484.10
1075994 Orig	0.336			
1075994 Dup	0.337			
1075999 Orig			5.00	493.07
1076015 Split Orig PREP DUP	0.343			
1076015 Split PREP DUP	0.431			
1076028 Orig	2.373			
1076028 Dup	2.153			
1076048 Orig	0.006			
1076048 Dup	0.005			
1076063 Orig	0.146			
1076063 Dup	0.203			
1076065 Split Orig PREP DUP	0.100			
1076065 Split PREP DUP	0.107			
1076075 Orig	0.554			
1076075 Dup	0.558			
1076085 Orig	0.237			
1076085 Dup	0.271			
1076095 Orig	0.073			
1076095 Dup	0.114			
1076101 Orig			5.98	504.33
1076110 Orig	0.174			
1076110 Dup	0.172			
1076115 Split Orig PREP DUP	0.125			



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank			< 0.03	
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank			< 0.03	
Method Blank			< 0.03	



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Your Reference: 234

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Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

490 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2020-09-11 11:42:28

REPORT A20-08139-8-4Acid

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Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1084550	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084551	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084552	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084553	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084554	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084555	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084556	4	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084557	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084558	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084559	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084560	5	< 0.003	< 0.003	1.12	< 0.001	0.051	0.003	0.006	0.010
1084561	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084562	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084563	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084564	4	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084565	3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084566	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084567	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084568	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084569	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1084570	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084571	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084572	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084573	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084574	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084575	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084576	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084577	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084578	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084579	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084580	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084581	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084582	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084583	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084584	< 3	< 0.003	< 0.003	0.280	0.002	0.010	0.007	< 0.003	0.009
1084585	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084586	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084587	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084588	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084589	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084590	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084591	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084592	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084593	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084594	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084595	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084596	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084597	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084598	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084599	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1084600	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084601	< 3	< 0.003	0.006	0.015	< 0.001	< 0.003	0.009	< 0.003	0.010
1084602	< 3	< 0.003	0.006	0.016	< 0.001	< 0.003	0.009	< 0.003	0.010
1084603	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084604	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084605	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084606	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084607	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084608	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084609	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084610	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084611	< 3	< 0.003	0.003	0.010	0.001	< 0.003	0.004	< 0.003	0.010
1084612	< 3	< 0.003	< 0.003	0.509	< 0.001	0.030	0.004	< 0.003	0.008
1084613	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084614	< 3	< 0.003	0.003	0.006	0.003	< 0.003	0.004	< 0.003	0.011
1084615	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084616	< 3	< 0.003	0.003	0.006	0.002	< 0.003	0.005	< 0.003	0.011
1084617	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084618	< 3	< 0.003	0.003	0.007	0.001	< 0.003	0.004	< 0.003	0.011
1084619	< 3	< 0.003	0.003	0.008	< 0.001	< 0.003	0.004	< 0.003	0.009
1084620	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084621	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084622	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084623	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084624	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084625	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084626	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084627	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084628	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084629	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084630	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084631	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084632	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084633	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084634	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084635	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084636	< 3	< 0.003	< 0.003	0.762	0.001	0.022	0.005	< 0.003	0.011
1084637	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084638	< 3	< 0.003	< 0.003	0.175	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1084639	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084640	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.012
1084641	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084642	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084643	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084644	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084645	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084646	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1084647	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1084648	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1084649	< 3	< 0.003	0.005	0.016	< 0.001	< 0.003	0.008	< 0.003	0.012
1084650	< 3	< 0.003	0.006	0.016	< 0.001	< 0.003	0.008	< 0.003	0.011
1084651	< 3	< 0.003	0.005	0.016	0.008	< 0.003	0.009	< 0.003	0.009
1084652	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084653	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084654	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084655	< 3	< 0.003	0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.009
1084656	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.011
1084657	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084658	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084659	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084660	3	< 0.003	< 0.003	1.11	0.003	0.049	0.005	0.006	0.010
1084661	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
1084662	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.003
1084663	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.001
1084664	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.001
1084665	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.002
1084666	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
1084667	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.001
1084668	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.001
1084669	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084670	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.001
1084671	6	< 0.003	< 0.003	0.010	0.001	0.004	< 0.003	0.003	0.015
1084672	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084673	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
1084674	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.010
1084675	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.011
1084676	< 3	< 0.003	< 0.003	0.071	0.001	< 0.003	< 0.003	< 0.003	0.016
1084677	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.006
1084678	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
1084679	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.001
1084680	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.001
1084681	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084682	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084683	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084684	< 3	< 0.003	< 0.003	0.280	0.004	0.006	0.007	< 0.003	0.008
1084685	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084686	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084687	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.001
1084688	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.004
1084689	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084690	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1084691	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084692	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084693	< 3	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	< 0.003	0.002
1084694	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084695	< 3	< 0.003	< 0.003	0.119	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084696	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084697	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084698	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1084699	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1084700	< 3	< 0.003	< 0.003	0.010	< 0.001	0.005	< 0.003	< 0.003	0.006
1084701	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084702	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084703	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084704	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084705	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084706	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084707	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	0.005	0.018
1084708	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084709	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084710	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084711	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084712	< 3	< 0.003	< 0.003	0.549	0.004	0.030	0.004	< 0.003	0.009
1084713	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084714	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084715	3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084716	< 3	< 0.003	< 0.003	0.044	0.001	< 0.003	< 0.003	< 0.003	0.003
1084717	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084718	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084719	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084720	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.003
1084721	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084722	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.001
1084723	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084724	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084725	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084726	< 3	< 0.003	< 0.003	0.044	0.001	< 0.003	< 0.003	< 0.003	0.002
1084727	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.002
1084728	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1084729	< 3	< 0.003	< 0.003	0.009	0.001	0.012	< 0.003	< 0.003	0.004
1084730	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.002
1084731	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.001
1084732	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.001
1084733	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084734	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084735	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084736	< 3	< 0.003	< 0.003	0.796	0.004	0.021	0.004	< 0.003	0.011
1084737	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084738	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084739	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084740	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084741	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084742	< 3	< 0.003	< 0.003	0.047	0.001	< 0.003	< 0.003	< 0.003	0.001
1084743	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084744	< 3	< 0.003	< 0.003	0.073	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084745	< 3	< 0.003	< 0.003	0.028	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1084746	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.004
1084747	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1084748	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084749	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084750	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084751	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084752	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084753	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084754	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084755	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084756	< 3	< 0.003	< 0.003	0.039	0.001	< 0.003	< 0.003	< 0.003	0.001
1084757	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084758	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084759	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1084760	4	< 0.003	< 0.003	1.13	0.003	0.050	0.005	0.006	0.010
1084761	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084762	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084763	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.001
1084764	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084765	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.002
1084766	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.001
1084767	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084768	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.001
1084769	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084770	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084771	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084772	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084773	< 3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	< 0.003	0.004
1084774	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.001
1084775	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084776	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084777	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084778	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084779	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.011
1084780	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084781	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.001
1084782	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084783	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	< 0.003	< 0.003	0.009
1084784	< 3	< 0.003	< 0.003	0.286	0.004	0.007	0.007	< 0.003	0.009
1084785	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	< 0.003	< 0.003	0.012
1084786	< 3	< 0.003	< 0.003	0.022	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1084787	< 3	< 0.003	< 0.003	0.093	0.002	< 0.003	< 0.003	< 0.003	0.002
1084788	< 3	< 0.003	< 0.003	0.063	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084789	< 3	< 0.003	< 0.003	0.271	0.002	< 0.003	< 0.003	< 0.003	0.002
1084790	< 3	< 0.003	< 0.003	0.073	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1084791	< 3	< 0.003	< 0.003	0.003	0.004	< 0.003	< 0.003	< 0.003	0.011
1084792	< 3	< 0.003	< 0.003	0.003	0.004	< 0.003	0.004	< 0.003	0.014
1084793	< 3	< 0.003	< 0.003	0.002	0.004	< 0.003	0.004	< 0.003	0.011
1084794	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084795	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084796	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084797	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1084798	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084799	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084800	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084801	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084802	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084803	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084804	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084805	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084806	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084807	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084808	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084809	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084810	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084811	< 3	< 0.003	< 0.003	0.106	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084812	< 3	< 0.003	< 0.003	0.541	0.004	0.029	0.004	< 0.003	0.008
1084813	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084814	< 3	< 0.003	< 0.003	0.109	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084815	< 3	< 0.003	< 0.003	0.048	0.002	< 0.003	< 0.003	< 0.003	0.002
1084816	< 3	< 0.003	< 0.003	0.073	0.001	< 0.003	< 0.003	< 0.003	0.001
1084817	< 3	< 0.003	< 0.003	0.075	0.001	< 0.003	< 0.003	< 0.003	0.001
1084818	< 3	< 0.003	0.004	0.010	0.003	< 0.003	0.006	< 0.003	0.014
1084819	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084820	< 3	< 0.003	< 0.003	0.081	0.001	< 0.003	< 0.003	< 0.003	0.009
1084821	< 3	< 0.003	< 0.003	0.067	0.001	< 0.003	< 0.003	0.006	0.028
1084822	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.019
1084823	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1084824	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084825	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084826	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084827	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084828	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084829	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084830	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084831	< 3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	< 0.003	0.004
1084832	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1084833	< 3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	< 0.003	0.002
1084834	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084835	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084836	< 3	< 0.003	< 0.003	0.743	0.003	0.023	0.004	< 0.003	0.011
1084837	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1084838	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084839	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084840	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084841	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084842	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084843	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084844	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084845	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.009
1084846	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.008

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1084847	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1084848	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084849	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.008
1084850	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.008
1084851	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1084852	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084853	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.013
1084854	< 3	< 0.003	< 0.003	0.115	< 0.001	< 0.003	< 0.003	< 0.003	0.010
1084855	< 3	< 0.003	< 0.003	0.173	< 0.001	< 0.003	< 0.003	< 0.003	0.012
1084856	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1084857	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084858	< 3	< 0.003	< 0.003	0.141	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1084859	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084860	4	< 0.003	< 0.003	1.07	0.002	0.051	0.004	0.005	0.011
1084861	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084862	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084863	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1084864	< 3	< 0.003	< 0.003	0.109	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084865	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084866	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084867	< 3	< 0.003	< 0.003	0.109	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1084868	< 3	< 0.003	< 0.003	0.150	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1084869	< 3	< 0.003	< 0.003	0.141	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1084870	< 3	< 0.003	< 0.003	0.157	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1084871	< 3	< 0.003	< 0.003	0.140	< 0.001	< 0.003	< 0.003	< 0.003	0.008
1084872	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084873	< 3	< 0.003	< 0.003	0.129	< 0.001	< 0.003	< 0.003	< 0.003	0.016
1084874	< 3	< 0.003	< 0.003	0.119	< 0.001	< 0.003	< 0.003	0.010	0.037
1084875	< 3	< 0.003	< 0.003	0.152	< 0.001	< 0.003	< 0.003	0.006	0.017
1084876	< 3	< 0.003	< 0.003	0.138	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1084877	< 3	< 0.003	< 0.003	0.167	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1084878	< 3	< 0.003	< 0.003	0.247	< 0.001	< 0.003	< 0.003	< 0.003	0.010
1084879	< 3	< 0.003	< 0.003	0.131	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1084880	< 3	< 0.003	< 0.003	0.115	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1084881	< 3	< 0.003	< 0.003	0.149	< 0.001	< 0.003	< 0.003	< 0.003	0.008
1084882	< 3	< 0.003	< 0.003	0.169	< 0.001	< 0.003	< 0.003	< 0.003	0.010
1084883	< 3	< 0.003	< 0.003	0.153	< 0.001	< 0.003	< 0.003	< 0.003	0.009
1084884	< 3	< 0.003	< 0.003	0.273	0.003	0.009	0.006	< 0.003	0.009
1084885	< 3	< 0.003	< 0.003	0.245	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084886	5	0.003	< 0.003	0.336	< 0.001	< 0.003	< 0.003	< 0.003	0.121
1084887	4	< 0.003	< 0.003	0.206	< 0.001	< 0.003	< 0.003	< 0.003	0.008
1084888	< 3	< 0.003	< 0.003	0.085	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1084889	< 3	< 0.003	< 0.003	0.205	0.001	< 0.003	< 0.003	< 0.003	0.029
1084890	4	< 0.003	< 0.003	0.246	0.001	< 0.003	< 0.003	< 0.003	0.030
1084891	< 3	< 0.003	< 0.003	0.086	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1084892	< 3	< 0.003	< 0.003	0.085	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084893	5	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084894	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084895	< 3	< 0.003	< 0.003	0.103	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084896	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1084897	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084898	< 3	< 0.003	< 0.003	0.138	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1084899	< 3	< 0.003	< 0.003	0.101	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1084900	< 3	< 0.003	< 0.003	0.115	0.001	< 0.003	< 0.003	< 0.003	0.010
1084901	< 3	< 0.003	< 0.003	0.046	0.002	< 0.003	< 0.003	< 0.003	0.011
1084902	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084903	< 3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	0.003
1084904	3	< 0.003	< 0.003	0.250	< 0.001	< 0.003	< 0.003	< 0.003	0.011
1084905	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084906	< 3	< 0.003	< 0.003	0.100	0.002	< 0.003	< 0.003	< 0.003	0.006
1084907	< 3	< 0.003	< 0.003	0.161	< 0.001	< 0.003	< 0.003	< 0.003	0.013
1084908	< 3	< 0.003	< 0.003	0.131	0.002	< 0.003	< 0.003	< 0.003	0.002
1084909	< 3	< 0.003	< 0.003	0.041	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1084910	< 3	< 0.003	< 0.003	0.046	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1084911	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.008
1084912	< 3	< 0.003	< 0.003	0.536	0.003	0.033	0.004	< 0.003	0.009
1084913	< 3	< 0.003	< 0.003	0.113	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1084914	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084915	< 3	< 0.003	< 0.003	0.177	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1084916	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084917	< 3	< 0.003	< 0.003	0.067	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084918	< 3	< 0.003	< 0.003	0.131	< 0.001	< 0.003	< 0.003	< 0.003	0.014
1084919	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1084920	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084921	< 3	< 0.003	< 0.003	0.115	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084922	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084923	6	< 0.003	< 0.003	0.150	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084924	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084925	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084926	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084927	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084928	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084929	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084930	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084931	< 3	< 0.003	< 0.003	0.116	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084932	< 3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084933	< 3	< 0.003	< 0.003	0.174	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084934	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084935	< 3	< 0.003	< 0.003	0.124	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084936	< 3	< 0.003	< 0.003	0.781	0.003	0.023	0.004	< 0.003	0.012
1084937	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084938	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.004
1084939	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1084940	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084941	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084942	< 3	< 0.003	< 0.003	0.122	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084943	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084944	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084945	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1084946	< 3	< 0.003	< 0.003	0.197	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1084947	< 3	< 0.003	< 0.003	0.098	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084948	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084949	< 3	< 0.003	< 0.003	0.205	< 0.001	< 0.003	< 0.003	< 0.003	0.011
1084950	< 3	< 0.003	< 0.003	0.241	< 0.001	< 0.003	< 0.003	< 0.003	0.013
1084951	< 3	< 0.003	< 0.003	0.105	0.001	< 0.003	< 0.003	< 0.003	0.005
1084952	< 3	< 0.003	0.003	0.011	0.004	< 0.003	0.005	< 0.003	0.010
1084953	< 3	< 0.003	< 0.003	0.135	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1084954	< 3	< 0.003	< 0.003	0.134	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1084955	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084956	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084957	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084958	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	0.005	0.002
1084959	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084960	4	< 0.003	< 0.003	1.05	0.002	0.053	0.005	0.005	0.011
1084961	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084962	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084963	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084964	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084965	< 3	< 0.003	< 0.003	0.118	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1084966	< 3	< 0.003	< 0.003	0.179	< 0.001	< 0.003	< 0.003	< 0.003	0.010
1084967	< 3	< 0.003	< 0.003	0.146	< 0.001	< 0.003	< 0.003	< 0.003	0.011
1084968	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1084969	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	< 0.003	0.034
1084970	< 3	< 0.003	< 0.003	0.094	< 0.001	< 0.003	< 0.003	< 0.003	0.016
1084971	< 3	< 0.003	< 0.003	0.187	< 0.001	< 0.003	< 0.003	< 0.003	0.011
1084972	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084973	< 3	< 0.003	< 0.003	0.242	< 0.001	< 0.003	< 0.003	< 0.003	0.011
1084974	< 3	< 0.003	< 0.003	0.154	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1084975	< 3	< 0.003	< 0.003	0.139	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1084976	< 3	< 0.003	< 0.003	0.070	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084977	< 3	< 0.003	< 0.003	0.096	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084978	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084979	< 3	< 0.003	< 0.003	0.064	0.001	< 0.003	< 0.003	< 0.003	0.001
1084980	< 3	< 0.003	< 0.003	0.097	0.001	< 0.003	< 0.003	< 0.003	0.005
1084981	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084982	< 3	< 0.003	< 0.003	0.093	0.001	< 0.003	< 0.003	< 0.003	0.005
1084983	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1084984	< 3	< 0.003	< 0.003	0.273	0.003	0.009	0.007	< 0.003	0.008
1084985	< 3	< 0.003	< 0.003	0.102	0.001	< 0.003	< 0.003	< 0.003	0.003
1084986	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084987	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084988	< 3	< 0.003	< 0.003	0.080	0.001	< 0.003	< 0.003	< 0.003	0.004
1084989	< 3	< 0.003	< 0.003	0.085	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1084990	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	132		2.13	25.1			46.7		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	131		2.11	24.7			46.5		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	133		2.09	24.4			46.8		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	127		2.00	23.0			45.0		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	131		2.07	24.1			45.4		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.074	0.985			2.09		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.073	0.977			2.08		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.073	0.983			2.12		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.074	1.01			2.19		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.578		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.564		0.052	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.596		0.047	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.571		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.589		0.053	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.005		0.109	0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.005		0.107	0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.108	0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.113	0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	< 0.001		0.120	< 0.003	0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07238 (NCS				0.010		1.48	0.005	< 0.003	0.007

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
DC 70006) Meas									
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.48	0.004	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.50	0.005	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.45	0.004	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				< 0.001		1.52	< 0.003	< 0.003	0.006
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
MP-1b Meas	49	0.054		3.13		0.030		2.16	17.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.053		2.96		0.029		2.07	16.4
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.057		3.14		0.026		2.09	16.7
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.054		3.06		0.028		2.05	16.7
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	50	0.055		3.19		0.028		2.13	17.0
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.007	6.23				0.014	0.064
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	19		0.007	6.17				0.016	0.063
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	19		0.007	6.22				0.016	0.063
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	19		0.007	6.06				0.014	0.063
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 97 (4 Acid) Meas	20		0.007	6.69				0.015	0.062
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 98 (4 Acid) Meas	46		0.013	15.1				0.033	0.139
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	42		0.012	14.6				0.032	0.134



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.013	14.7				0.033	0.135
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.012	14.6				0.032	0.134
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.012	14.2				0.032	0.132
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.216				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.221				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.221				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.228				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.224				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.87				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.82				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.88				
NCS DC86314 Cert					1.81				
CPB-2 Meas		0.016		0.122				65.7	6.21
CPB-2 Cert		0.0167		0.1213				63.52	6.04

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
CPB-2 Meas		0.016		0.121				64.3	6.07
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		0.017		0.125				63.5	6.21
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		< 0.003		0.104				63.5	6.15
CPB-2 Cert		0.0167		0.1213				63.52	6.04
CPB-2 Meas		0.016							
CPB-2 Cert		0.0167							
CZN-4 Meas	53	0.259	0.009	0.417				0.189	56.8
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.255	0.009	0.411				0.183	56.1
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	52	0.264	0.010	0.412				0.185	56.0
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.254	0.010	0.417				0.183	56.3
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	52	0.271	0.009	0.417				0.183	56.0
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.04				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.95				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.97				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.77				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.81				
Lithium Tetraborate FX-LT 100 lot#220610B					8				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Cert									
PTC-1b Meas	53		0.325	7.97			11.1	0.083	0.211
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.323	7.98			11.1	0.083	0.212
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.328	7.78			11.4	0.083	0.213
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.318	8.04			11.1	0.080	0.209
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	54		0.320	7.72			11.3	0.082	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	202	0.007	0.031	22.8				0.708	3.01
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	201	0.007	0.031	22.8				0.699	3.00
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	208	0.008	0.032	22.9				0.716	3.05
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	196	0.007	0.030	21.9				0.673	2.91
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	202	0.008	0.032	23.1				0.693	3.06
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	3.76				0.010	0.046
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.78				0.009	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.82				0.010	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.80				0.012	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	12		0.005	4.05				0.010	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
1084513 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084513 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084526 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084526 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084534 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084534 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084550 Split Orig PREP DUP	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084550 Split PREP DUP	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084558 Orig	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084558 Dup	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1084566 Orig	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084566 Dup	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084591 Orig	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084591 Dup	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084599 Orig	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084599 Dup	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084600 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084600 Split PREP DUP	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084624 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084624 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084637 Orig	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084637 Dup	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1084645 Orig	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084645 Dup	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084650 Split Orig PREP DUP	< 3	< 0.003	0.006	0.016	< 0.001	< 0.003	0.008	< 0.003	0.011
1084650 Split PREP DUP	< 3	< 0.003	0.006	0.016	< 0.001	< 0.003	0.009	< 0.003	0.011
1084669 Orig	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084669 Dup	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.001
1084677 Orig	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.006
1084677 Dup	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.006
1084700 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.010	< 0.001	0.005	< 0.003	< 0.003	0.006
1084700 Split PREP DUP	< 3	< 0.003	< 0.003	0.010	< 0.001	0.005	< 0.003	< 0.003	0.006
1084701 Orig	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084701 Dup	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084709 Orig	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084709 Dup	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1084735 Orig	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084735 Dup	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1084748 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084748 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084750 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084750 Split PREP DUP	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084755 Orig	< 3	< 0.003	< 0.003	0.027	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084755 Dup	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084780 Orig	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.001
1084780 Dup	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084788 Orig	< 3	< 0.003	< 0.003	0.063	0.001	< 0.003	< 0.003	< 0.003	0.001
1084788 Dup	< 3	< 0.003	< 0.003	0.062	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084800 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084800 Split PREP DUP	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1084812 Orig	< 3	< 0.003	< 0.003	0.541	0.004	0.029	0.004	< 0.003	0.008
1084812 Dup	< 3	< 0.003	< 0.003	0.540	0.004	0.029	0.004	< 0.003	0.008



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-08139-Au
Report Date: 27-Aug-20
Date Submitted: 23-Jul-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

490 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Description, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-08139-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1084501	0.009								
1084502	0.012								
1084503	0.006								
1084504	< 0.005								
1084505	< 0.005								
1084506	0.007								
1084507	0.034								
1084508	0.126								
1084509	< 0.005								
1084510	< 0.005								
1084511	0.010								
1084512	0.602								
1084513	0.009								
1084514	0.017								
1084515	0.005								
1084516	< 0.005								
1084517	0.008								
1084518	0.011								
1084519	0.018								
1084520	0.014								
1084521	0.005								
1084522	0.006								
1084523	0.046								
1084524	< 0.005								
1084525	< 0.005								
1084526	0.005								
1084527	0.013								
1084528	0.014								
1084529	0.008								
1084530	0.017								
1084531	< 0.005								
1084532	0.005								
1084533	0.009								
1084534	0.009								
1084535	0.016								
1084536	0.447								
1084537	0.015								
1084538	0.010								
1084539	0.041								
1084540	0.018								
1084541	0.012								
1084542	0.026								
1084543	0.027								
1084544	0.046								
1084545	0.191								
1084546	0.045								
1084547	0.168								
1084548	< 0.005								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1084549	0.173								
1084550	0.112								
1084551	0.038								
1084552	0.009								
1084553	0.079								
1084554	0.257								
1084555	0.065								
1084556	0.578								
1084557	0.438								
1084558	0.292								
1084559	0.042								
1084560	1.304								
1084561	0.017								
1084562	0.259								
1084563	0.021								
1084564	0.304								
1084565	0.023								
1084566	0.075								
1084567	0.006								
1084568	0.022								
1084569	0.057								
1084570	0.046								
1084571	0.021								
1084572	< 0.005								
1084573	0.063								
1084574	0.044								
1084575	0.635								
1084576	0.017								
1084577	0.062								
1084578	0.048								
1084579	0.070								
1084580	0.084								
1084581	0.065								
1084582	0.254								
1084583	0.029								
1084584	0.213								
1084585	0.023								
1084586	0.068								
1084587	0.025								
1084588	0.024								
1084589	0.054								
1084590	0.087								
1084591	0.096								
1084592	0.095								
1084593	0.006								
1084594	0.018								
1084595	0.058								
1084596	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1084597	0.018								
1084598	> 5.000	6.19	91.9	2.68	3.28	7.48	26.30	493.22	519.52
1084599	0.007								
1084600	0.014								
1084601	< 0.005								
1084602	< 0.005								
1084603	0.248								
1084604	0.083								
1084605	0.064								
1084606	0.018								
1084607	0.012								
1084608	0.046								
1084609	0.045								
1084610	0.019								
1084611	0.006								
1084612	0.722								
1084613	0.090								
1084614	< 0.005								
1084615	0.046								
1084616	< 0.005								
1084617	0.074								
1084618	0.009								
1084619	0.008								
1084620	0.035								
1084621	0.011								
1084622	0.036								
1084623	0.084								
1084624	< 0.005								
1084625	0.026								
1084626	0.146								
1084627	0.052								
1084628	0.393								
1084629	0.110								
1084630	0.136								
1084631	0.035								
1084632	0.020								
1084633	0.116								
1084634	0.171								
1084635	0.459								
1084636	0.484								
1084637	0.781								
1084638	4.062	4.18							
1084639	0.005								
1084640	0.292								
1084641	0.324								
1084642	0.103								
1084643	0.142								
1084644	0.213								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1084645	0.719								
1084646	0.055								
1084647	< 0.005								
1084648	< 0.005								
1084649	< 0.005								
1084650	< 0.005								
1084651	0.005								
1084652	0.089								
1084653	0.317								
1084654	0.457								
1084655	< 0.005								
1084656	< 0.005								
1084657	0.387								
1084658	0.262								
1084659	0.175								
1084660	1.389								
1084661	0.101								
1084662	0.343								
1084663	0.032								
1084664	0.181								
1084665	0.070								
1084666	0.189								
1084667	0.127								
1084668	0.346								
1084669	0.039								
1084670	0.052								
1084671	0.114								
1084672	< 0.005								
1084673	0.049								
1084674	0.033								
1084675	0.236								
1084676	0.210								
1084677	0.053								
1084678	0.065								
1084679	0.799								
1084680	0.234								
1084681	0.045								
1084682	0.145								
1084683	1.675								
1084684	0.209								
1084685	0.224								
1084686	0.463								
1084687	0.563								
1084688	0.106								
1084689	0.639								
1084690	0.192								
1084691	0.157								
1084692	0.108								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1084693	0.608								
1084694	0.385								
1084695	1.829								
1084696	< 0.005								
1084697	0.132								
1084698	0.311								
1084699	0.041								
1084700	0.183								
1084701	0.069								
1084702	0.465								
1084703	0.442								
1084704	0.507								
1084705	0.039								
1084706	0.303								
1084707	0.046								
1084708	0.035								
1084709	0.196								
1084710	0.963								
1084711	3.019	3.16							
1084712	0.679								
1084713	0.260								
1084714	0.146								
1084715	1.394								
1084716	0.752								
1084717	0.055								
1084718	0.523								
1084719	0.386								
1084720	0.187								
1084721	0.207								
1084722	0.228								
1084723	0.419								
1084724	< 0.005								
1084725	0.079								
1084726	0.131								
1084727	0.017								
1084728	0.017								
1084729	0.241								
1084730	0.068								
1084731	0.179								
1084732	0.175								
1084733	0.358								
1084734	0.541								
1084735	0.630								
1084736	0.456								
1084737	0.602								
1084738	0.942								
1084739	0.808								
1084740	0.443								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1084741	0.192								
1084742	0.461								
1084743	0.843								
1084744	0.712								
1084745	0.297								
1084746	0.346								
1084747	0.620								
1084748	< 0.005								
1084749	0.461								
1084750	0.854								
1084751	0.746								
1084752	0.024								
1084753	0.037								
1084754	0.128								
1084755	0.132								
1084756	0.074								
1084757	0.489								
1084758	0.033								
1084759	0.587								
1084760	1.267								
1084761	0.271								
1084762	0.630								
1084763	0.300								
1084764	0.032								
1084765	0.048								
1084766	0.710								
1084767	0.577								
1084768	0.261								
1084769	0.697								
1084770	1.280								
1084771	0.296								
1084772	< 0.005								
1084773	0.781								
1084774	0.259								
1084775	0.841								
1084776	0.448								
1084777	0.697								
1084778	0.490								
1084779	0.181								
1084780	0.042								
1084781	0.055								
1084782	0.123								
1084783	0.006								
1084784	0.211								
1084785	0.033								
1084786	0.131								
1084787	0.093								
1084788	0.144								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1084789	4.021	4.57							
1084790	0.993								
1084791	0.007								
1084792	0.006								
1084793	0.007								
1084794	0.760								
1084795	0.884								
1084796	< 0.005								
1084797	0.284								
1084798	0.199								
1084799	0.023								
1084800	0.005								
1084801	0.373								
1084802	1.270								
1084803	1.376								
1084804	0.287								
1084805	0.090								
1084806	0.866								
1084807	1.358								
1084808	0.622								
1084809	0.682								
1084810	0.873								
1084811	1.580								
1084812	0.679								
1084813	< 0.005								
1084814	2.312								
1084815	1.101								
1084816	1.314								
1084817	1.215								
1084818	0.081								
1084819	1.582								
1084820	0.653								
1084821	1.395								
1084822	1.104								
1084823	0.507								
1084824	< 0.005								
1084825	0.943								
1084826	0.605								
1084827	0.288								
1084828	0.314								
1084829	2.265								
1084830	> 5.000	7.74	23.9	4.95	4.27	6.07	35.98	437.37	473.35
1084831	0.736								
1084832	0.394								
1084833	1.554								
1084834	0.394								
1084835	0.918								
1084836	0.474								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1084837	1.063								
1084838	0.520								
1084839	0.037								
1084840	0.095								
1084841	0.122								
1084842	0.402								
1084843	0.051								
1084844	0.387								
1084845	4.478	4.15							
1084846	0.890								
1084847	4.151	3.94							
1084848	< 0.005								
1084849	0.662								
1084850	0.973								
1084851	0.680								
1084852	2.138								
1084853	1.341								
1084854	1.858								
1084855	1.789								
1084856	1.353								
1084857	0.965								
1084858	1.623								
1084859	0.302								
1084860	1.337								
1084861	0.324								
1084862	1.731								
1084863	2.002								
1084864	1.988								
1084865	1.286								
1084866	1.403								
1084867	0.450								
1084868	0.531								
1084869	> 5.000	6.28	13.9	3.24	3.44	3.96	29.72	476.15	505.87
1084870	> 5.000	8.78	17.2	7.82	9.52	9.52	48.88	440.14	489.02
1084871	0.968								
1084872	< 0.005								
1084873	0.590								
1084874	1.379								
1084875	0.738								
1084876	1.005								
1084877	1.078								
1084878	0.935								
1084879	0.473								
1084880	0.796								
1084881	0.460								
1084882	1.216								
1084883	1.332								
1084884	0.221								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1084885	1.370								
1084886	2.910								
1084887	0.871								
1084888	0.465								
1084889	1.230								
1084890	1.250								
1084891	0.944								
1084892	1.485								
1084893	0.999								
1084894	1.586								
1084895	3.442	3.29							
1084896	< 0.005								
1084897	0.444								
1084898	0.303								
1084899	0.796								
1084900	1.186								
1084901	> 5.000	8.86	34.0	7.32	7.36	9.77	46.32	462.53	508.85
1084902	0.220								
1084903	0.861								
1084904	2.484								
1084905	0.841								
1084906	1.356								
1084907	0.689								
1084908	0.550								
1084909	3.786	3.60							
1084910	0.705								
1084911	> 5.000	6.95	16.3	5.28	3.80	5.54	42.88	460.19	503.07
1084912	0.691								
1084913	0.456								
1084914	1.303								
1084915	1.508								
1084916	0.346								
1084917	0.422								
1084918	0.547								
1084919	1.186								
1084920	1.484								
1084921	1.160								
1084922	1.424								
1084923	1.708								
1084924	< 0.005								
1084925	1.919								
1084926	0.599								
1084927	0.646								
1084928	1.433								
1084929	0.775								
1084930	0.812								
1084931	0.317								
1084932	0.314								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1084933	1.033								
1084934	2.571								
1084935	0.442								
1084936	0.471								
1084937	0.216								
1084938	0.148								
1084939	0.238								
1084940	> 5.000	8.85	40.9	6.01	8.23	9.51	35.53	467.05	502.58
1084941	0.009								
1084942	0.546								
1084943	> 5.000	21.7	54.2	18.0	14.4	18.8	34.58	467.94	502.52
1084944	< 0.005								
1084945	0.660								
1084946	0.766								
1084947	1.127								
1084948	< 0.005								
1084949	2.535								
1084950	4.129	4.48							
1084951	0.811								
1084952	0.053								
1084953	1.033								
1084954	0.542								
1084955	2.032								
1084956	0.329								
1084957	0.211								
1084958	> 5.000	5.87	48.4	6.88	6.75	9.63	36.09	496.14	532.23
1084959	2.727								
1084960	1.381								
1084961	0.336								
1084962	0.272								
1084963	0.100								
1084964	3.940	4.22							
1084965	0.316								
1084966	0.633								
1084967	0.463								
1084968	0.387								
1084969	0.468								
1084970	0.523								
1084971	0.705								
1084972	< 0.005								
1084973	1.595								
1084974	4.443	4.80							
1084975	0.306								
1084976	0.473								
1084977	0.159								
1084978	0.689								
1084979	0.113								
1084980	0.428								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1084981	0.238								
1084982	0.523								
1084983	0.116								
1084984	0.206								
1084985	4.627	4.36							
1084986	0.017								
1084987	0.241								
1084988	0.076								
1084989	0.121								
1084990	0.144								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.59		
SN75 Cert		8.67		
OREAS 218 Meas	0.520			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.533			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.509			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.522			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.547			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.517			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.532			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.517			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.510			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.537			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.531			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.524			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.517			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.527			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.554			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.505			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.523			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.500			
OREAS 218 Cert	0.531			
OREAS 257 Meas		14.1	14.1	
OREAS 257 Cert		14.18	14.18	
Oreas E1336 (Fire Assay) Meas	0.502			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.491			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.526			
Oreas E1336 (Fire Assay) Meas	0.510			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
Assay) Cert				
Oreas E1336 (Fire Assay) Meas	0.500			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.517			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.529			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.527			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.521			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.497			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.506			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.521			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.510			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.490			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.516			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.520			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.509			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.499			
Oreas E1336 (Fire Assay) Cert	0.510			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
1084510 Orig	< 0.005			
1084510 Dup	< 0.005			
1084520 Orig	0.010			
1084520 Dup	0.019			
1084530 Orig	0.014			
1084530 Dup	0.020			
1084545 Orig	0.192			
1084545 Dup	0.190			
1084550 Split Orig PREP DUP	0.112			
1084550 Split PREP DUP	0.098			
1084579 Orig	0.075			
1084579 Dup	0.065			
1084589 Orig	0.053			
1084589 Dup	0.056			
1084599 Orig	0.008			
1084599 Dup	0.005			
1084600 Split Orig PREP DUP	0.014			
1084600 Split PREP DUP	0.010			
1084613 Orig	0.097			
1084613 Dup	0.083			
1084623 Orig	0.099			
1084623 Dup	0.070			
1084633 Orig	0.111			
1084633 Dup	0.121			
1084648 Orig	< 0.005			
1084648 Dup	< 0.005			
1084650 Split Orig PREP DUP	< 0.005			
1084650 Split PREP DUP	< 0.005			
1084661 Orig	0.087			
1084661 Dup	0.114			
1084670 Orig	0.050			
1084670 Dup	0.053			
1084680 Orig	0.210			
1084680 Dup	0.259			
1084700 Split Orig PREP DUP	0.183			
1084700 Split PREP DUP	0.177			
1084704 Orig	0.543			
1084704 Dup	0.472			
1084714 Orig	0.151			
1084714 Dup	0.141			
1084749 Orig	0.482			
1084749 Dup	0.440			
1084750 Split Orig PREP DUP	0.854			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
1084750 Split PREP DUP	0.868			
1084763 Orig	0.321			
1084763 Dup	0.279			
1084783 Orig	0.005			
1084783 Dup	0.007			
1084798 Orig	0.227			
1084798 Dup	0.170			
1084800 Split Orig PREP DUP	0.005			
1084800 Split PREP DUP	0.014			
1084820 Orig	0.640			
1084820 Dup	0.666			
1084850 Split Orig PREP DUP	0.973			
1084850 Split PREP DUP	0.995			
1084889 Orig	1.268			
1084889 Dup	1.192			
1084899 Orig	0.784			
1084899 Dup	0.809			
1084900 Split Orig PREP DUP	1.186			
1084900 Split PREP DUP	1.055			
1084913 Orig	0.442			
1084913 Dup	0.471			
1084923 Orig	1.742			
1084923 Dup	1.674			
1084933 Orig	0.978			
1084933 Dup	1.087			
1084948 Orig	< 0.005			
1084948 Dup	< 0.005			
1084950 Split Orig PREP DUP	4.129	4.48		
1084950 Split PREP DUP	4.619	4.88		
1084957 Orig	0.190			
1084957 Dup	0.233			
1084967 Orig	0.475			
1084967 Dup	0.452			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			





Report No.: A20-08142-8-4Acid
Report Date: 11-Sep-20
Date Submitted: 23-Jul-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

42 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2020-08-24 09:29:28

REPORT A20-08142-8-4Acid

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Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
784951	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	< 0.001
784952	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	0.003	< 0.003	< 0.001
784953	< 3	< 0.003	< 0.003	0.097	0.002	< 0.003	< 0.003	< 0.003	0.002
784954	< 3	< 0.003	< 0.003	0.134	0.002	< 0.003	< 0.003	< 0.003	0.002
784955	< 3	< 0.003	< 0.003	0.058	0.002	< 0.003	< 0.003	< 0.003	< 0.001
784956	< 3	< 0.003	< 0.003	0.032	0.002	< 0.003	< 0.003	< 0.003	< 0.001
784957	< 3	< 0.003	< 0.003	0.018	0.002	< 0.003	< 0.003	< 0.003	< 0.001
784958	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	< 0.001
784959	< 3	< 0.003	< 0.003	0.051	0.002	< 0.003	< 0.003	< 0.003	< 0.001
784960	5	< 0.003	< 0.003	1.16	0.003	0.058	0.005	0.005	0.010
784961	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	< 0.001
784962	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	< 0.001
784963	< 3	< 0.003	< 0.003	0.014	0.002	0.057	< 0.003	< 0.003	0.001
784964	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.001
784965	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	< 0.001
784966	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	< 0.001
784967	< 3	< 0.003	< 0.003	0.026	0.002	< 0.003	< 0.003	< 0.003	0.001
784968	< 3	< 0.003	< 0.003	0.033	0.002	< 0.003	< 0.003	< 0.003	< 0.001
784969	< 3	< 0.003	< 0.003	0.034	0.002	< 0.003	< 0.003	< 0.003	0.001
784970	< 3	< 0.003	< 0.003	0.039	0.002	< 0.003	< 0.003	< 0.003	0.001
784971	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.001
784972	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
784973	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	0.002
784974	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	< 0.001
784975	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	0.001
784976	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.002
784977	< 3	< 0.003	< 0.003	0.001	0.003	< 0.003	< 0.003	< 0.003	< 0.001
784978	< 3	< 0.003	< 0.003	0.014	0.003	< 0.003	< 0.003	< 0.003	0.003
784979	< 3	< 0.003	< 0.003	0.069	0.002	< 0.003	< 0.003	< 0.003	0.002
784980	< 3	< 0.003	< 0.003	0.120	0.003	< 0.003	< 0.003	< 0.003	0.003
784981	< 3	< 0.003	< 0.003	0.101	0.002	< 0.003	< 0.003	< 0.003	0.001
784982	< 3	< 0.003	< 0.003	0.080	0.002	< 0.003	< 0.003	< 0.003	0.001
784983	< 3	< 0.003	< 0.003	0.051	0.002	< 0.003	< 0.003	< 0.003	0.001
784984	< 3	< 0.003	< 0.003	0.270	0.004	0.013	0.006	< 0.003	0.007
784985	< 3	< 0.003	< 0.003	0.082	0.002	< 0.003	< 0.003	< 0.003	0.002
784986	< 3	< 0.003	< 0.003	0.136	0.002	< 0.003	< 0.003	< 0.003	0.002
784987	< 3	< 0.003	0.005	0.019	< 0.001	< 0.003	0.006	< 0.003	0.011
784988	< 3	< 0.003	0.006	0.019	0.002	< 0.003	0.006	< 0.003	0.010
784989	< 3	< 0.003	0.006	0.019	0.004	< 0.003	0.006	< 0.003	0.008
784990	< 3	< 0.003	0.005	0.019	0.005	< 0.003	0.006	< 0.003	0.009
784991	< 3	< 0.003	< 0.003	0.022	0.002	0.004	< 0.003	< 0.003	< 0.001
784992	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	135		2.04	24.8			47.9		
PTM-1a Cert	135		2.05	24.96			47.44		
HV-2 Meas				0.567		0.054	< 0.003		0.003
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.009		1.45	< 0.003	< 0.003	0.006
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
MP-1b Meas	49	0.053		3.08		0.031		2.11	16.7
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.006	6.59				0.013	0.062
OREAS 97 (4 Acid) Cert	19.6			6.31					
OREAS 98 (4 Acid) Meas	46		0.013	15.4				0.032	0.137
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 13b (4-Acid) Meas	< 3		0.008	0.233		< 0.003	0.234		0.012
OREAS 13b (4-Acid) Cert	0.86			0.2327			0.2247		
NCS DC86303 Meas					0.214				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.75				
NCS DC86314 Cert					1.81				
CZN-4 Meas	51	0.259	0.009	0.403				0.179	55.0
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.24				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	53		0.312	7.90			11.3	0.079	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	207	0.007	0.030	22.7				0.680	2.99
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	3.99				0.011	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
784962 Orig	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	< 0.001
784962 Dup	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	< 0.001
784963 Orig	< 3	< 0.003	< 0.003	0.014	0.002	0.060	< 0.003	< 0.003	0.002
784963 Dup	< 3	< 0.003	< 0.003	0.013	0.002	0.054	< 0.003	< 0.003	0.001
784983 Orig	< 3	< 0.003	< 0.003	0.051	0.002	< 0.003	< 0.003	< 0.003	0.001
784983 Dup	< 3	< 0.003	< 0.003	0.051	0.002	< 0.003	< 0.003	< 0.003	0.001
784992 Orig	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
784992 Dup	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

Report No.: A20-08142-Au  
 Report Date: 14-Aug-20  
 Date Submitted: 23-Jul-20  
 Your Reference: 234

ATTN: Alan Smith

## CERTIFICATE OF ANALYSIS

42 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	GOP AA-Au (Au - Fire Assay AA)	2020-08-14 13:33:28

REPORT **A20-08142-Au**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
784951	0.009
784952	0.064
784953	0.404
784954	0.567
784955	0.152
784956	0.256
784957	0.172
784958	0.079
784959	0.531
784960	1.414
784961	0.242
784962	0.145
784963	0.162
784964	0.098
784965	0.025
784966	0.162
784967	0.153
784968	0.132
784969	0.141
784970	0.184
784971	0.061
784972	< 0.005
784973	1.357
784974	0.036
784975	0.098
784976	0.027
784977	< 0.005
784978	0.037
784979	0.237
784980	0.542
784981	0.718
784982	0.115
784983	0.219
784984	0.199
784985	0.224
784986	0.828
784987	0.008
784988	< 0.005
784989	0.009
784990	0.007
784991	0.145
784992	0.012

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
OREAS 218 Meas	0.526
OREAS 218 Cert	0.531
OREAS 218 Meas	0.503
OREAS 218 Cert	0.531
Oreas E1336 (Fire Assay) Meas	0.495
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.498
Oreas E1336 (Fire Assay) Cert	0.510
784961 Orig	0.214
784961 Dup	0.270
784970 Orig	0.184
784970 Dup	0.184
784980 Orig	0.539
784980 Dup	0.545
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005



Report No.: A20-10870-8-4Acid
Report Date: 09-Nov-20
Date Submitted: 11-Sep-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

488 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2020-10-13 18:54:44

REPORT A20-10870-8-4Acid

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255501	< 3	< 0.003	0.005	0.014	0.003	< 0.003	0.010	< 0.003	0.010
255502	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.003
255503	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255504	< 3	< 0.003	< 0.003	0.031	0.003	< 0.003	0.006	< 0.003	0.004
255505	< 3	< 0.003	< 0.003	0.001	0.004	< 0.003	0.019	< 0.003	0.006
255506	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255507	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255508	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255509	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255510	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255511	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255512	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255513	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255514	< 3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	0.001
255515	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.001
255516	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255517	< 3	< 0.003	< 0.003	0.022	0.003	< 0.003	0.005	< 0.003	0.004
255518	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
255519	< 3	< 0.003	< 0.003	0.087	0.003	< 0.003	0.005	< 0.003	0.005
255520	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.003
255521	< 3	< 0.003	0.004	0.027	0.002	< 0.003	0.005	< 0.003	0.004
255522	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.002
255523	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255524	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255525	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255526	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255527	< 3	< 0.003	< 0.003	0.017	0.003	< 0.003	0.010	< 0.003	0.005
255528	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255529	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	< 0.001
255530	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	< 0.001
255531	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255532	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255533	< 3	< 0.003	0.005	0.024	0.003	< 0.003	0.003	< 0.003	< 0.001
255534	< 3	< 0.003	< 0.003	0.005	0.003	< 0.003	0.004	< 0.003	0.004
255535	< 3	< 0.003	< 0.003	0.006	0.003	< 0.003	0.004	< 0.003	0.005
255536	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255537	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.003
255538	< 3	< 0.003	< 0.003	0.044	0.003	< 0.003	< 0.003	< 0.003	0.004
255539	< 3	< 0.003	< 0.003	0.005	0.003	< 0.003	< 0.003	< 0.003	0.004
255540	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.001
255541	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	0.003
255542	3	< 0.003	< 0.003	0.027	0.002	< 0.003	< 0.003	< 0.003	0.004
255543	< 3	< 0.003	< 0.003	0.002	0.003	< 0.003	< 0.003	< 0.003	0.004
255544	< 3	< 0.003	< 0.003	0.002	0.003	< 0.003	< 0.003	< 0.003	0.003
255545	< 3	< 0.003	< 0.003	0.008	0.004	< 0.003	< 0.003	< 0.003	0.004
255546	< 3	< 0.003	< 0.003	0.023	0.002	< 0.003	< 0.003	< 0.003	0.002
255547	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	0.003	< 0.003	0.004
255548	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255549	< 3	< 0.003	< 0.003	0.047	0.002	< 0.003	0.003	< 0.003	0.002



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255550	< 3	< 0.003	< 0.003	0.033	0.002	< 0.003	< 0.003	< 0.003	0.001
255551	< 3	< 0.003	< 0.003	0.031	0.003	< 0.003	< 0.003	< 0.003	0.002
255552	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255553	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.002
255554	< 3	< 0.003	< 0.003	0.042	0.003	< 0.003	0.008	< 0.003	0.004
255555	< 3	< 0.003	0.004	0.069	0.004	< 0.003	0.018	< 0.003	0.007
255556	< 3	< 0.003	< 0.003	0.027	0.001	< 0.003	< 0.003	< 0.003	0.002
255557	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255558	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.001
255559	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.002
255560	< 3	< 0.003	< 0.003	0.277	0.004	0.006	0.006	< 0.003	0.008
255561	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
255562	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255563	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255564	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255565	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255566	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.016
255567	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255568	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	< 0.001
255569	< 3	< 0.003	< 0.003	0.051	0.002	< 0.003	< 0.003	< 0.003	0.001
255570	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	< 0.001
255571	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.001
255572	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255573	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.002
255574	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.002
255575	< 3	< 0.003	< 0.003	0.002	0.005	< 0.003	0.025	< 0.003	0.006
255576	< 3	< 0.003	0.003	0.003	0.006	< 0.003	0.031	< 0.003	0.008
255577	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	0.003
255578	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255579	< 3	< 0.003	< 0.003	0.027	0.002	< 0.003	< 0.003	< 0.003	0.002
255580	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	0.003
255581	< 3	< 0.003	< 0.003	0.051	0.002	< 0.003	0.015	< 0.003	0.004
255582	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	0.003	< 0.003	0.005
255583	4	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255584	4	< 0.003	< 0.003	1.10	0.003	0.048	0.004	0.005	0.010
255585	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.001
255586	< 3	< 0.003	< 0.003	0.020	0.003	< 0.003	0.009	< 0.003	0.005
255587	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.004
255588	< 3	< 0.003	< 0.003	0.014	0.003	< 0.003	0.005	< 0.003	0.002
255589	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.001
255590	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.001
255591	< 3	< 0.003	< 0.003	0.004	0.003	< 0.003	0.011	< 0.003	0.006
255592	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.001
255593	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.003
255594	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	0.002
255595	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	0.012	< 0.003	0.003
255596	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255597	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	0.002
255598	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
255599	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255600	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.002
255601	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.001
255602	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	0.001
255603	< 3	< 0.003	< 0.003	0.019	0.002	< 0.003	< 0.003	< 0.003	0.002
255604	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255605	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
255606	< 3	< 0.003	< 0.003	0.054	0.002	< 0.003	< 0.003	< 0.003	0.002
255607	< 3	< 0.003	< 0.003	0.034	0.002	< 0.003	< 0.003	< 0.003	0.002
255608	< 3	< 0.003	< 0.003	0.073	0.003	< 0.003	< 0.003	< 0.003	0.003
255609	< 3	< 0.003	< 0.003	0.033	0.002	< 0.003	< 0.003	< 0.003	0.008
255610	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	0.008
255611	< 3	< 0.003	< 0.003	0.082	0.002	< 0.003	0.005	< 0.003	0.020
255612	< 3	< 0.003	< 0.003	0.778	0.004	0.019	0.004	< 0.003	0.011
255613	< 3	< 0.003	< 0.003	0.027	0.002	< 0.003	< 0.003	< 0.003	0.008
255614	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.002
255615	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
255616	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.002
255617	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.002
255618	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.002
255619	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255620	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
255621	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255622	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255623	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255624	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255625	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255626	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255627	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.003
255628	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255629	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255630	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255631	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.002
255632	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
255633	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
255634	< 3	< 0.003	< 0.003	0.018	0.002	< 0.003	< 0.003	< 0.003	0.003
255635	< 3	< 0.003	< 0.003	0.247	0.001	< 0.003	< 0.003	< 0.003	0.002
255636	< 3	< 0.003	< 0.003	0.549	0.003	0.028	0.004	< 0.003	0.009
255637	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.003
255638	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.003
255639	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.002
255640	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	0.006	< 0.003	0.005
255641	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.003
255642	< 3	< 0.003	0.003	0.008	0.008	< 0.003	< 0.003	< 0.003	0.010
255643	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.002
255644	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.002
255645	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.004
255646	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255647	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255648	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255649	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.003
255650	< 3	< 0.003	< 0.003	0.027	0.001	< 0.003	< 0.003	< 0.003	0.004
255651	< 3	< 0.003	< 0.003	0.125	0.002	< 0.003	< 0.003	< 0.003	0.008
255652	< 3	< 0.003	< 0.003	0.214	< 0.001	< 0.003	< 0.003	< 0.003	0.015
255653	3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255654	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255655	< 3	< 0.003	< 0.003	0.065	0.001	< 0.003	< 0.003	< 0.003	0.004
255656	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255657	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.003
255658	< 3	< 0.003	< 0.003	0.126	0.001	< 0.003	< 0.003	< 0.003	0.004
255659	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.003
255660	3	< 0.003	< 0.003	1.12	0.003	0.048	0.005	0.005	0.011
255661	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255662	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255663	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255664	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255665	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255666	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255667	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.003
255668	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.011
255669	< 3	< 0.003	< 0.003	0.047	0.001	< 0.003	< 0.003	< 0.003	0.003
255670	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.002
255671	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255672	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255673	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	0.003
255674	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.002
255675	< 3	< 0.003	< 0.003	0.023	0.002	< 0.003	< 0.003	< 0.003	0.003
255676	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255677	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255678	< 3	< 0.003	< 0.003	0.262	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255679	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255680	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.002
255681	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
255682	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.003
255683	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.004
255684	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.004
255685	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.004
255686	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.005
255687	3	< 0.003	< 0.003	0.196	0.001	< 0.003	< 0.003	< 0.003	0.006
255688	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255689	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
255690	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.002
255691	< 3	< 0.003	< 0.003	0.117	0.002	< 0.003	< 0.003	< 0.003	0.007
255692	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.004
255693	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.002
255694	< 3	< 0.003	< 0.003	0.057	0.001	< 0.003	< 0.003	< 0.003	0.003
255695	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	0.008	0.035
255696	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255697	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.017
255698	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255699	< 3	< 0.003	< 0.003	0.039	0.001	< 0.003	< 0.003	< 0.003	0.010
255700	< 3	< 0.003	< 0.003	0.234	< 0.001	< 0.003	< 0.003	< 0.003	0.028
255701	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.011
255702	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255703	< 3	< 0.003	< 0.003	0.093	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255704	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255705	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255706	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255707	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255708	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255709	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255710	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255711	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255712	< 3	< 0.003	< 0.003	0.528	0.004	0.030	0.004	< 0.003	0.009
255713	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255714	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255715	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255716	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255717	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255718	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255719	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255720	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.011
255721	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.008
255722	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	0.006
255723	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255724	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255725	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255726	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255727	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255728	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255729	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255730	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255731	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255732	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255733	< 3	< 0.003	< 0.003	0.004	< 0.001	0.003	< 0.003	< 0.003	0.002
255734	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255735	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255736	< 3	< 0.003	< 0.003	0.746	0.004	0.021	0.004	< 0.003	0.011
255737	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255738	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255739	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.002
255740	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255741	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255742	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255743	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255744	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255745	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255746	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255747	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255748	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255749	< 3	< 0.003	0.004	0.016	0.003	< 0.003	0.008	< 0.003	0.010
255750	< 3	< 0.003	0.004	0.015	0.003	< 0.003	0.008	< 0.003	0.010
255751	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255752	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255753	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255754	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255755	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255756	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255757	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255758	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255759	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255760	4	< 0.003	< 0.003	1.14	0.003	0.051	0.004	0.007	0.011
255761	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255762	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.001
255763	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.001
255764	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255765	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255766	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.005
255767	< 3	< 0.003	< 0.003	0.030	0.002	< 0.003	< 0.003	< 0.003	0.003
255768	3	< 0.003	< 0.003	0.120	0.001	< 0.003	< 0.003	< 0.003	0.006
255769	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255770	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255771	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255772	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255773	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255774	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255775	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.008
255776	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.001
255777	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255778	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255779	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.002
255780	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.001
255781	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255782	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255783	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255784	< 3	< 0.003	< 0.003	0.285	0.004	0.005	0.007	< 0.003	0.009
255785	< 3	< 0.003	< 0.003	0.127	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255786	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255787	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255788	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255789	< 3	< 0.003	< 0.003	0.095	0.002	< 0.003	< 0.003	< 0.003	0.001
255790	< 3	< 0.003	< 0.003	0.107	0.002	< 0.003	< 0.003	< 0.003	0.001
255791	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255792	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.001
255793	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.001
255794	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.001
255795	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.001
255796	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255797	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255798	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255799	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	< 0.003	0.001
255800	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255801	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255802	< 3	< 0.003	0.003	< 0.001	0.009	< 0.003	0.007	< 0.003	0.012
255803	< 3	< 0.003	< 0.003	0.004	0.010	< 0.003	0.013	< 0.003	0.015
255804	< 3	< 0.003	0.003	0.005	0.011	< 0.003	0.017	< 0.003	0.018
255805	< 3	< 0.003	0.003	0.009	0.005	< 0.003	0.010	< 0.003	0.016
255806	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255807	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255808	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255809	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
255810	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
255811	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255812	< 3	< 0.003	< 0.003	0.539	0.004	0.031	0.004	< 0.003	0.009
255813	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255814	3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.008
255815	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255816	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.002
255817	< 3	< 0.003	< 0.003	0.136	0.001	< 0.003	< 0.003	< 0.003	0.004
255818	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
255819	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	0.003
255820	< 3	< 0.003	< 0.003	0.079	0.001	< 0.003	< 0.003	< 0.003	0.003
255821	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.003
255822	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255823	< 3	< 0.003	< 0.003	0.060	0.002	< 0.003	< 0.003	< 0.003	0.003
255824	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255825	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.002
255826	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.002
255827	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
255828	< 3	< 0.003	< 0.003	0.047	0.001	< 0.003	< 0.003	< 0.003	0.003
255829	< 3	< 0.003	< 0.003	0.175	0.001	< 0.003	< 0.003	< 0.003	0.005
255830	< 3	< 0.003	< 0.003	0.100	0.001	< 0.003	< 0.003	< 0.003	0.003
255831	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.003
255832	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255833	4	< 0.003	< 0.003	0.085	0.001	< 0.003	< 0.003	< 0.003	0.004
255834	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	< 0.003	0.003
255835	< 3	< 0.003	< 0.003	0.076	0.001	< 0.003	< 0.003	< 0.003	0.004
255836	< 3	< 0.003	< 0.003	0.796	0.004	0.022	0.005	< 0.003	0.011
255837	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	0.003
255838	< 3	< 0.003	< 0.003	0.057	0.001	< 0.003	< 0.003	< 0.003	0.005
255839	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255840	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255841	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255842	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255843	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255844	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255845	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255846	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255847	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255848	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255849	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255850	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255851	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255852	< 3	< 0.003	< 0.003	0.107	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255853	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255854	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255855	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255856	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255857	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255858	< 3	< 0.003	< 0.003	0.063	0.001	< 0.003	< 0.003	< 0.003	0.002
255859	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255860	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255861	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255862	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255863	< 3	< 0.003	< 0.003	0.129	0.001	< 0.003	< 0.003	< 0.003	0.004
255864	< 3	< 0.003	< 0.003	0.290	0.001	< 0.003	< 0.003	< 0.003	0.004
255865	< 3	< 0.003	< 0.003	0.180	0.001	< 0.003	< 0.003	< 0.003	0.004
255866	< 3	< 0.003	< 0.003	0.138	0.001	< 0.003	< 0.003	< 0.003	0.004
255867	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.002
255868	< 3	< 0.003	< 0.003	0.144	0.001	< 0.003	< 0.003	< 0.003	0.004
255869	< 3	< 0.003	< 0.003	0.126	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255870	< 3	< 0.003	< 0.003	0.102	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255871	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.004
255872	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255873	3	< 0.003	< 0.003	0.440	< 0.001	< 0.003	< 0.003	< 0.003	0.008
255874	< 3	< 0.003	< 0.003	0.147	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255875	< 3	< 0.003	< 0.003	0.314	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255876	< 3	< 0.003	< 0.003	0.274	< 0.001	< 0.003	< 0.003	0.005	0.021
255877	< 3	< 0.003	< 0.003	0.152	< 0.001	< 0.003	< 0.003	0.005	0.017
255878	< 3	< 0.003	< 0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	0.011
255879	< 3	< 0.003	< 0.003	0.070	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255880	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255881	< 3	< 0.003	< 0.003	0.089	< 0.001	< 0.003	< 0.003	0.006	0.020
255882	< 3	< 0.003	< 0.003	0.136	0.001	< 0.003	< 0.003	< 0.003	0.010
255883	< 3	< 0.003	< 0.003	0.251	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255884	< 3	< 0.003	< 0.003	0.269	0.004	0.010	0.006	< 0.003	0.008
255885	< 3	< 0.003	< 0.003	0.205	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255886	< 3	< 0.003	< 0.003	0.174	0.002	< 0.003	< 0.003	< 0.003	0.008
255887	< 3	< 0.003	< 0.003	0.255	0.001	< 0.003	< 0.003	< 0.003	0.007
255888	< 3	< 0.003	< 0.003	0.138	0.002	< 0.003	< 0.003	< 0.003	0.003
255889	< 3	< 0.003	< 0.003	0.060	0.001	< 0.003	< 0.003	< 0.003	0.001
255890	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.001
255891	< 3	< 0.003	< 0.003	0.177	0.001	< 0.003	< 0.003	< 0.003	0.002
255892	< 3	< 0.003	< 0.003	0.072	0.001	< 0.003	< 0.003	< 0.003	0.002
255893	< 3	< 0.003	< 0.003	0.102	0.001	< 0.003	< 0.003	< 0.003	0.002
255894	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255895	< 3	< 0.003	< 0.003	0.082	0.001	< 0.003	< 0.003	< 0.003	0.002
255896	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255897	< 3	< 0.003	< 0.003	0.187	0.001	< 0.003	< 0.003	< 0.003	0.003
255898	< 3	< 0.003	< 0.003	0.078	0.001	< 0.003	< 0.003	< 0.003	0.003
255899	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255900	< 3	< 0.003	< 0.003	0.218	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255901	< 3	< 0.003	< 0.003	0.165	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255902	< 3	< 0.003	< 0.003	0.035	0.002	< 0.003	< 0.003	< 0.003	0.003
255903	< 3	< 0.003	0.004	0.010	0.007	< 0.003	0.008	< 0.003	0.023
255904	< 3	< 0.003	< 0.003	0.072	0.002	< 0.003	< 0.003	< 0.003	0.003
255905	< 3	< 0.003	0.003	0.122	0.004	< 0.003	0.004	< 0.003	0.012
255906	< 3	< 0.003	< 0.003	0.291	< 0.001	< 0.003	< 0.003	< 0.003	0.007
255907	< 3	< 0.003	< 0.003	0.180	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255908	< 3	< 0.003	< 0.003	0.260	0.001	< 0.003	< 0.003	< 0.003	0.004
255909	< 3	< 0.003	< 0.003	0.169	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255910	< 3	< 0.003	< 0.003	0.150	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255911	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255912	< 3	< 0.003	< 0.003	0.524	0.003	0.032	0.004	< 0.003	0.009
255913	< 3	< 0.003	< 0.003	0.137	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255914	< 3	< 0.003	< 0.003	0.198	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255915	< 3	< 0.003	< 0.003	0.128	0.003	< 0.003	< 0.003	< 0.003	0.011
255916	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255917	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255918	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255919	< 3	< 0.003	< 0.003	0.086	0.001	< 0.003	< 0.003	< 0.003	0.005
255920	< 3	< 0.003	< 0.003	0.070	0.001	< 0.003	< 0.003	< 0.003	0.024
255921	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255922	< 3	< 0.003	< 0.003	0.345	< 0.001	< 0.003	< 0.003	< 0.003	0.007
255923	< 3	< 0.003	< 0.003	0.376	< 0.001	< 0.003	< 0.003	< 0.003	0.008
255924	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255925	< 3	< 0.003	< 0.003	0.419	< 0.001	< 0.003	< 0.003	< 0.003	0.009
255926	< 3	< 0.003	< 0.003	0.113	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255927	< 3	< 0.003	< 0.003	0.179	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255928	< 3	< 0.003	< 0.003	0.120	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255929	< 3	< 0.003	< 0.003	0.175	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255930	< 3	< 0.003	< 0.003	0.173	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255931	< 3	< 0.003	< 0.003	0.180	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255932	< 3	< 0.003	0.004	0.008	0.006	< 0.003	0.004	< 0.003	0.010
255933	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255934	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
255935	< 3	< 0.003	< 0.003	0.138	0.001	< 0.003	< 0.003	< 0.003	0.005
255936	< 3	< 0.003	< 0.003	0.738	0.003	0.023	0.004	< 0.003	0.011
255937	< 3	< 0.003	< 0.003	0.115	< 0.001	< 0.003	< 0.003	< 0.003	0.007
255938	< 3	< 0.003	< 0.003	0.196	0.001	< 0.003	< 0.003	0.004	0.034
255939	< 3	< 0.003	< 0.003	0.135	< 0.001	< 0.003	< 0.003	< 0.003	0.010
255940	< 3	< 0.003	< 0.003	0.139	< 0.001	< 0.003	< 0.003	< 0.003	0.011
255941	< 3	< 0.003	< 0.003	0.158	0.001	< 0.003	< 0.003	< 0.003	0.009
255942	< 3	< 0.003	< 0.003	0.146	0.002	< 0.003	< 0.003	0.006	0.012
255943	5	< 0.003	< 0.003	0.097	0.002	< 0.003	< 0.003	0.024	0.492
255944	< 3	< 0.003	< 0.003	0.124	0.002	< 0.003	< 0.003	0.006	0.033
255945	< 3	< 0.003	< 0.003	0.077	0.003	< 0.003	< 0.003	0.004	0.018



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255946	< 3	< 0.003	< 0.003	0.077	0.003	< 0.003	< 0.003	0.003	0.016
255947	< 3	< 0.003	< 0.003	0.100	0.001	< 0.003	< 0.003	< 0.003	0.005
255948	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255949	< 3	< 0.003	< 0.003	0.010	0.005	< 0.003	< 0.003	0.004	0.012
255950	< 3	< 0.003	< 0.003	0.006	0.005	< 0.003	< 0.003	< 0.003	0.013
255951	< 3	< 0.003	0.003	0.004	0.007	< 0.003	0.004	< 0.003	0.014
255952	< 3	< 0.003	< 0.003	0.103	0.003	< 0.003	< 0.003	< 0.003	0.010
255953	< 3	< 0.003	< 0.003	0.090	0.004	< 0.003	< 0.003	< 0.003	0.006
255954	4	< 0.003	< 0.003	0.155	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255955	< 3	< 0.003	< 0.003	0.184	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255956	< 3	< 0.003	< 0.003	0.142	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255957	< 3	< 0.003	< 0.003	0.139	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255958	< 3	< 0.003	< 0.003	0.133	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255959	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255960	5	< 0.003	< 0.003	1.13	0.003	0.047	0.004	0.005	0.010
255961	< 3	< 0.003	< 0.003	0.093	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255962	< 3	< 0.003	< 0.003	0.141	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255963	< 3	< 0.003	< 0.003	0.137	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255964	< 3	< 0.003	< 0.003	0.163	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255965	< 3	< 0.003	< 0.003	0.125	0.001	< 0.003	< 0.003	< 0.003	0.008
255966	< 3	< 0.003	< 0.003	0.148	0.001	< 0.003	< 0.003	< 0.003	0.004
255967	< 3	< 0.003	< 0.003	0.122	0.001	< 0.003	< 0.003	< 0.003	0.002
255968	< 3	< 0.003	< 0.003	0.132	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255969	< 3	< 0.003	< 0.003	0.131	0.001	< 0.003	< 0.003	< 0.003	0.002
255970	< 3	< 0.003	< 0.003	0.163	0.001	< 0.003	< 0.003	< 0.003	0.003
255971	< 3	< 0.003	< 0.003	0.123	0.001	< 0.003	< 0.003	< 0.003	0.002
255972	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255973	< 3	< 0.003	< 0.003	0.136	0.001	< 0.003	< 0.003	< 0.003	0.005
255974	< 3	< 0.003	< 0.003	0.179	0.001	< 0.003	< 0.003	< 0.003	0.003
255975	< 3	< 0.003	< 0.003	0.190	0.001	< 0.003	< 0.003	< 0.003	0.006
255976	< 3	< 0.003	< 0.003	0.172	0.001	< 0.003	< 0.003	< 0.003	0.005
255977	< 3	< 0.003	< 0.003	0.152	0.001	< 0.003	0.004	< 0.003	0.008
255978	< 3	< 0.003	< 0.003	0.158	0.002	< 0.003	< 0.003	< 0.003	0.009
255979	4	< 0.003	< 0.003	0.045	0.002	< 0.003	< 0.003	< 0.003	0.048
255980	3	< 0.003	< 0.003	0.064	0.002	< 0.003	< 0.003	< 0.003	0.008
255981	< 3	< 0.003	0.005	0.018	0.002	< 0.003	0.007	< 0.003	0.011
255982	< 3	< 0.003	0.006	0.016	0.003	< 0.003	0.007	< 0.003	0.011
255983	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255984	< 3	< 0.003	< 0.003	0.284	0.004	0.006	0.006	< 0.003	0.008
255985	< 3	< 0.003	< 0.003	0.101	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255986	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255987	3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255988	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	137		2.09	25.0			47.3		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	133		2.03	24.2			47.6		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	131		2.05	25.1			46.0		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	131		2.02	24.3			46.9		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.074	0.961			2.12		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	1.01			2.15		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.071	0.947			2.08		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.073	0.998			2.15		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.984			2.15		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.579		0.051	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.591		0.049	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.549		0.048	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.608		0.050	< 0.003		0.007
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.569		0.048	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.006		0.111	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.111	0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.113	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.112	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.115	< 0.003	< 0.003	0.013
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
GBW 07238 (NCS DC 70006) Meas				0.010		1.48	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.45	< 0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.45	< 0.003	< 0.003	0.009
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.45	0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.48	< 0.003	< 0.003	0.009
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	216	0.056	0.011	0.131				13.4	17.4
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	213	0.058	0.011	0.134				13.5	17.9
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	201	0.054	0.009	0.128				13.2	17.4
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	195	0.054	0.010	0.130				13.2	17.3
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	201	0.055	0.011	0.132				13.4	17.5
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	49	0.053		3.05		0.028		2.09	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	50	0.055		3.13		0.029		2.15	16.9
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.053		2.99		0.027		2.14	17.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	49	0.053		3.13		0.025		2.15	17.2
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.051		2.99		0.024		2.14	16.8
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.007	6.18				0.015	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.006	6.51				0.013	0.062

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Acid) Meas									
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.006	6.46				0.013	0.064
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	20		0.006	6.57				0.014	0.063
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.006	6.24				0.012	0.063
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	47		0.013	15.2				0.033	0.136
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.012	14.5				0.030	0.132
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.012	14.9				0.033	0.136
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.012	14.7				0.031	0.135
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.012	14.6				0.033	0.136
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.213				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.211				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.218				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.215				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.215				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.81				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.79				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
CZN-4 Meas	53	0.261	0.010	0.419				0.185	53.7
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	49	0.265	0.009	0.407				0.181	56.0
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.264	0.009	0.415				0.190	55.3
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.262	0.010	0.414				0.180	55.9
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.262	0.010	0.409				0.184	56.4
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.11				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.11				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.26				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.96				
Lithium					8				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Tetraborate FX-L1 100 lot#220610B Cert									
PTC-1b Meas	57		0.325	7.82			11.5	0.081	0.207
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	57		0.310	8.03			11.3	0.082	0.207
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.317	7.60			11.1	0.073	0.202
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	55		0.324	8.13			11.5	0.081	0.210
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	54		0.314	8.12			11.3	0.080	0.212
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	205	0.007	0.032	23.0				0.703	3.01
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	206	0.008	0.031	22.7				0.692	3.01
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	208	0.008	0.032	23.2				0.714	3.08
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	215	0.008	0.032	23.7				0.699	3.10
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	203	0.007	0.031	22.7				0.704	3.04
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	3.90				0.011	0.043
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.89				0.009	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	12		0.005	3.93				0.011	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 352 Peroxide Fusion Meas				0.065				51.9	2.30
OREAS 352 Peroxide Fusion Cert				0.0640				60.6	2.36
255513 Orig	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255513 Dup	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.001
255526 Orig	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255526 Dup	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255534 Orig	< 3	< 0.003	< 0.003	0.003	0.003	< 0.003	0.005	< 0.003	0.004
255534 Dup	< 3	< 0.003	< 0.003	0.007	0.003	< 0.003	0.004	< 0.003	0.004
255550 Split PREP DUP	< 3	< 0.003	< 0.003	0.033	0.002	< 0.003	< 0.003	< 0.003	0.001
255559 Orig	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.002
255559 Dup	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.002
255567 Orig	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255567 Dup	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255592 Orig	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.001
255592 Dup	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
255600 Split PREP DUP	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.002
255600 Orig	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.002
255600 Dup	4	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.002
255625 Orig	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255625 Dup	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255638 Orig	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.003
255638 Dup	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.002
255646 Orig	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255646 Dup	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255650 Split PREP DUP	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255671 Orig	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255671 Dup	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255679 Orig	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255679 Dup	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255700 Split PREP DUP	< 3	< 0.003	< 0.003	0.286	< 0.001	< 0.003	< 0.003	0.004	0.030
255704 Orig	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255704 Dup	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255712 Orig	< 3	< 0.003	< 0.003	0.528	0.004	0.030	0.004	< 0.003	0.009
255712 Dup	< 3	< 0.003	< 0.003	0.528	0.004	0.030	0.005	< 0.003	0.008
255737 Orig	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255737 Dup	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255750 Split PREP DUP	< 3	< 0.003	0.005	0.015	0.003	< 0.003	0.008	< 0.003	0.009
255750 Orig	< 3	< 0.003	0.004	0.015	0.003	< 0.003	0.008	< 0.003	0.010
255750 Dup	< 3	< 0.003	0.004	0.015	0.003	< 0.003	0.009	< 0.003	0.010
255758 Orig	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255758 Dup	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255783 Orig	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255783 Dup	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255791 Orig	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.001
255791 Dup	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255800 Split PREP DUP	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255816 Orig	< 3	< 0.003	< 0.003	0.022	0.002	< 0.003	< 0.003	< 0.003	0.002
255816 Dup	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.002
255824 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255824 Dup	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255849 Orig	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255849 Dup	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255850 Split PREP DUP	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255862 Orig	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255862 Dup	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255870 Orig	< 3	< 0.003	< 0.003	0.102	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255870 Dup	< 3	< 0.003	< 0.003	0.101	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255895 Orig	< 3	< 0.003	< 0.003	0.082	0.001	< 0.003	< 0.003	< 0.003	0.002







Report No.: A20-10870-Au
Report Date: 16-Oct-20
Date Submitted: 11-Sep-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

488 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s), Test Name, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-10870-Au

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255501	< 0.005								
255502	0.310								
255503	0.156								
255504	0.211								
255505	0.009								
255506	0.033								
255507	0.017								
255508	0.021								
255509	0.009								
255510	0.008								
255511	0.028								
255512	0.488								
255513	0.155								
255514	0.174								
255515	0.121								
255516	0.069								
255517	0.410								
255518	0.024								
255519	0.272								
255520	0.021								
255521	0.172								
255522	0.078								
255523	0.065								
255524	< 0.005								
255525	0.036								
255526	0.046								
255527	0.056								
255528	< 0.005								
255529	0.033								
255530	0.047								
255531	0.185								
255532	0.231								
255533	0.678								
255534	0.105								
255535	0.009								
255536	0.660								
255537	0.098								
255538	0.610								
255539	0.050								
255540	0.010								
255541	0.026								
255542	0.063								
255543	0.009								
255544	0.006								
255545	0.027								
255546	2.433								
255547	0.726								
255548	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255549	0.973								
255550	4.863	4.69							
255551	> 5.000	20.2	29.5	8.40	8.82	10.4	44.17	458.00	502.17
255552	< 0.005								
255553	> 5.000	9.08	5.71	4.29	4.15	4.37	53.63	461.00	514.63
255554	> 5.000	7.48	24.7	7.92	7.46	8.77	32.60	481.00	513.60
255555	1.416								
255556	0.237								
255557	0.013								
255558	0.075								
255559	0.043								
255560	0.221								
255561	0.057								
255562	0.573								
255563	0.030								
255564	0.027								
255565	0.056								
255566	0.075								
255567	0.006								
255568	0.033								
255569	0.034								
255570	0.044								
255571	0.048								
255572	< 0.005								
255573	0.044								
255574	0.036								
255575	< 0.005								
255576	0.021								
255577	0.046								
255578	0.041								
255579	0.068								
255580	0.104								
255581	3.685	3.71							
255582	0.085								
255583	0.222								
255584	1.505								
255585	0.141								
255586	0.142								
255587	0.055								
255588	0.168								
255589	0.034								
255590	0.078								
255591	0.015								
255592	0.445								
255593	< 0.005								
255594	0.102								
255595	0.072								
255596	< 0.005								

Results

Activation Laboratories Ltd.

Report: A20-10870

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255597	0.173								
255598	0.027								
255599	0.023								
255600	0.115								
255601	0.044								
255602	0.074								
255603	0.038								
255604	0.046								
255605	0.040								
255606	0.090								
255607	0.065								
255608	0.117								
255609	0.039								
255610	0.022								
255611	0.044								
255612	0.513								
255613	0.125								
255614	0.442								
255615	0.087								
255616	0.037								
255617	0.189								
255618	0.099								
255619	0.228								
255620	0.089								
255621	0.303								
255622	1.370								
255623	0.011								
255624	< 0.005								
255625	0.204								
255626	0.066								
255627	0.150								
255628	0.145								
255629	0.057								
255630	0.035								
255631	0.053								
255632	0.033								
255633	0.032								
255634	0.117								
255635	2.698								
255636	0.707								
255637	0.041								
255638	0.058								
255639	0.038								
255640	0.015								
255641	0.104								
255642	0.033								
255643	0.033								
255644	0.026								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255645	1.143								
255646	0.005								
255647	0.025								
255648	< 0.005								
255649	0.158								
255650	0.057								
255651	0.774								
255652	0.475								
255653	0.154								
255654	0.095								
255655	0.140								
255656	0.188								
255657	0.068								
255658	0.228								
255659	0.061								
255660	1.502								
255661	0.217								
255662	0.070								
255663	0.043								
255664	0.047								
255665	0.051								
255666	0.078								
255667	0.060								
255668	0.071								
255669	0.071								
255670	0.015								
255671	0.191								
255672	< 0.005								
255673	0.042								
255674	0.067								
255675	0.077								
255676	0.193								
255677	0.092								
255678	0.076								
255679	0.034								
255680	2.212								
255681	0.042								
255682	0.144								
255683	0.077								
255684	0.232								
255685	0.080								
255686	0.056								
255687	> 5.000	23.5	141	9.18	8.73	24.2	59.30	457.00	516.30
255688	< 0.005								
255689	0.169								
255690	0.083								
255691	0.123								
255692	0.824								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255693	0.085								
255694	0.134								
255695	0.252								
255696	< 0.005								
255697	0.111								
255698	0.039								
255699	0.338								
255700	0.568								
255701	0.783								
255702	0.121								
255703	0.509								
255704	0.159								
255705	0.050								
255706	1.069								
255707	0.683								
255708	0.284								
255709	0.037								
255710	0.054								
255711	0.043								
255712	0.708								
255713	0.043								
255714	0.012								
255715	0.052								
255716	0.126								
255717	0.021								
255718	0.018								
255719	0.308								
255720	0.024								
255721	0.072								
255722	0.461								
255723	0.056								
255724	< 0.005								
255725	0.067								
255726	0.025								
255727	0.199								
255728	0.330								
255729	1.075								
255730	0.895								
255731	0.028								
255732	0.069								
255733	0.297								
255734	0.049								
255735	0.012								
255736	0.493								
255737	0.045								
255738	0.017								
255739	0.006								
255740	0.029								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255741	0.080								
255742	0.067								
255743	0.100								
255744	0.043								
255745	0.142								
255746	0.162								
255747	0.036								
255748	< 0.005								
255749	< 0.005								
255750	< 0.005								
255751	0.015								
255752	0.018								
255753	0.015								
255754	0.011								
255755	0.021								
255756	0.052								
255757	0.149								
255758	0.131								
255759	0.116								
255760	1.470								
255761	0.116								
255762	0.116								
255763	0.106								
255764	0.240								
255765	0.227								
255766	0.582								
255767	0.039								
255768	0.227								
255769	0.059								
255770	0.067								
255771	0.051								
255772	< 0.005								
255773	0.065								
255774	0.066								
255775	0.030								
255776	0.240								
255777	0.204								
255778	0.041								
255779	0.040								
255780	0.041								
255781	0.180								
255782	0.044								
255783	0.033								
255784	0.227								
255785	1.452								
255786	0.041								
255787	0.029								
255788	0.355								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255789	0.160								
255790	0.272								
255791	0.070								
255792	0.151								
255793	0.072								
255794	0.038								
255795	0.021								
255796	< 0.005								
255797	0.027								
255798	0.111								
255799	0.114								
255800	0.446								
255801	0.199								
255802	0.007								
255803	0.011								
255804	0.008								
255805	0.011								
255806	0.126								
255807	0.079								
255808	0.060								
255809	0.116								
255810	0.076								
255811	0.154								
255812	0.691								
255813	0.181								
255814	0.280								
255815	0.175								
255816	0.196								
255817	0.829								
255818	0.182								
255819	0.079								
255820	0.204								
255821	0.124								
255822	0.076								
255823	0.354								
255824	< 0.005								
255825	0.126								
255826	0.074								
255827	0.019								
255828	0.120								
255829	0.306								
255830	0.303								
255831	0.113								
255832	0.077								
255833	0.249								
255834	0.197								
255835	0.288								
255836	0.480								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255837	0.116								
255838	0.292								
255839	0.045								
255840	0.043								
255841	0.076								
255842	0.086								
255843	0.092								
255844	0.099								
255845	0.207								
255846	0.076								
255847	0.113								
255848	< 0.005								
255849	0.089								
255850	0.078								
255851	0.143								
255852	0.180								
255853	0.245								
255854	0.194								
255855	0.287								
255856	0.050								
255857	0.043								
255858	0.207								
255859	1.147								
255860	1.450								
255861	0.151								
255862	0.147								
255863	0.433								
255864	1.065								
255865	0.730								
255866	0.597								
255867	0.062								
255868	0.318								
255869	0.249								
255870	0.160								
255871	0.057								
255872	< 0.005								
255873	2.223								
255874	1.592								
255875	0.957								
255876	0.691								
255877	0.375								
255878	0.144								
255879	0.213								
255880	0.160								
255881	0.157								
255882	1.274								
255883	0.413								
255884	0.229								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255885	0.804								
255886	3.122	3.52							
255887	1.553								
255888	0.515								
255889	0.410								
255890	0.440								
255891	1.289								
255892	0.180								
255893	0.558								
255894	0.453								
255895	0.160								
255896	< 0.005								
255897	0.987								
255898	0.473								
255899	0.058								
255900	0.567								
255901	0.605								
255902	0.050								
255903	0.020								
255904	0.205								
255905	0.291								
255906	0.547								
255907	3.847	3.51							
255908	4.062	4.29							
255909	0.477								
255910	0.959								
255911	0.245								
255912	0.648								
255913	0.345								
255914	0.929								
255915	0.338								
255916	> 5.000	14.8	53.7	3.08	3.28	9.20	60.02	444.00	504.02
255917	0.075								
255918	0.235								
255919	0.458								
255920	0.433								
255921	0.043								
255922	0.787								
255923	0.460								
255924	< 0.005								
255925		9.64	5.06	2.02	1.85	2.32	64.40	461.00	525.40
255926	0.409								
255927	0.385								
255928	0.272								
255929	0.486								
255930	0.709								
255931	1.464								
255932	0.014								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255933	0.175								
255934	0.042								
255935	0.466								
255936	0.488								
255937	0.286								
255938	0.269								
255939	0.591								
255940	0.664								
255941	0.179								
255942	0.356								
255943	0.356								
255944	0.203								
255945	0.139								
255946	0.139								
255947	0.336								
255948	< 0.005								
255949	0.009								
255950	0.025								
255951	0.005								
255952	0.140								
255953	0.253								
255954	0.029								
255955	0.316								
255956	0.280								
255957	0.423								
255958	0.322								
255959	0.064								
255960	1.451								
255961	0.146								
255962	0.138								
255963	0.292								
255964	0.495								
255965	0.687								
255966	0.364								
255967	0.412								
255968	0.694								
255969	0.548								
255970	0.865								
255971	0.686								
255972	0.006								
255973	0.342								
255974	0.631								
255975	0.545								
255976	0.231								
255977	0.338								
255978	0.453								
255979	0.155								
255980	0.464								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255981	0.025								
255982	0.009								
255983	0.172								
255984	0.216								
255985	0.305								
255986	0.239								
255987	0.404								
255988	0.346								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.76		
SN75 Cert		8.67		
SN75 Meas		8.65		
SN75 Cert		8.67		
SN75 Meas		8.41		
SN75 Cert		8.67		
OREAS 218 Meas	0.543			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.553			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.521			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.523			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.549			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.553			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.523			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.531			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.525			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.544			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.554			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.546			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.559			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.557			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.546			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.526			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.542			
OREAS 218 Cert	0.531			
OREAS 257 Meas		14.0	13.9	
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		14.2		
OREAS 257 Cert		14.18		
OREAS 257 Meas		14.2		
OREAS 257 Cert		14.18		
Oreas E1336 (Fire Assay) Meas	0.524			
Oreas E1336 (Fire Assay) Cert	0.510			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
Oreas E1336 (Fire Assay) Meas	0.509			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.491			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.497			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.495			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.495			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.517			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.511			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.523			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.516			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.505			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.504			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.525			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.525			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.519			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.499			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Assay) Meas				
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.522			
Oreas E1336 (Fire Assay) Cert	0.510			
255510 Orig	0.010			
255510 Dup	0.006			
255520 Orig	0.021			
255520 Dup	0.020			
255530 Orig	0.045			
255530 Dup	0.049			
255545 Orig	0.027			
255545 Dup	0.027			
255550 Split Orig PREP DUP	4.863	4.69		
255550 Split PREP DUP	4.788	5.00		
255554 Orig	> 5.000			
255554 Dup	> 5.000			
255564 Orig	0.034			
255564 Dup	0.019			
255579 Orig	0.073			
255579 Dup	0.064			
255589 Orig	0.033			
255589 Dup	0.036			
255599 Orig	0.020			
255599 Dup	0.025			
255600 Split Orig PREP DUP	0.115			
255600 Split PREP DUP	0.096			
255613 Orig	0.109			
255613 Dup	0.141			
255623 Orig	0.010			
255623 Dup	0.012			
255633 Orig	0.028			
255633 Dup	0.035			
255648 Orig	< 0.005			
255648 Dup	< 0.005			
255650 Split Orig PREP DUP	0.057			
255650 Split PREP DUP	0.066			
255657 Orig	0.074			
255657 Dup	0.063			
255682 Orig	0.137			
255682 Dup	0.152			
255700 Split Orig PREP DUP	0.568			
255700 Split	0.629			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
PREP DUP				
255701 Orig	0.810			
255701 Dup	0.755			
255726 Orig	0.020			
255726 Dup	0.030			
255737 Orig	0.048			
255737 Dup	0.041			
255750 Split Orig PREP DUP	< 0.005			
255750 Split PREP DUP	0.005			
255750 Orig	< 0.005			
255750 Dup	0.005			
255761 Orig	0.132			
255761 Dup	0.099			
255770 Orig	0.066			
255770 Dup	0.068			
255795 Orig	0.021			
255795 Dup	0.022			
255800 Split Orig PREP DUP	0.446			
255800 Split PREP DUP	0.414			
255804 Orig	0.007			
255804 Dup	0.008			
255819 Orig	0.087			
255819 Dup	0.071			
255829 Orig	0.273			
255829 Dup	0.338			
255850 Split Orig PREP DUP	0.078			
255850 Split PREP DUP	0.069			
255863 Orig	0.427			
255863 Dup	0.439			
255900 Split Orig PREP DUP	0.567			
255900 Split PREP DUP	0.646			
255907 Orig		3.57		
255907 Dup		3.44		
255932 Orig	0.015			
255932 Dup	0.013			
255942 Orig	0.320			
255942 Dup	0.392			
255950 Split Orig PREP DUP	0.025			
255950 Split PREP DUP	0.031			
255956 Orig	0.297			
255956 Dup	0.263			
255966 Orig	0.394			







IAMGOLD Corporation  
2140 Regent Street Unit 10  
Sudbury Ontario P3E 5S8  
Canada

Report No.: A20-10871-8-4Acid  
Report Date: 02-Nov-20  
Date Submitted: 11-Sep-20  
Your Reference: 234

ATTN: Alan Smith

### CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
8-4 Acid Total Digestion	QOP Total Assay (Code 8-4 Acid Total Digestion Assays)	2020-10-12 21:58:00

REPORT **A20-10871-8-4Acid**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.  
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255001	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
255002	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
255003	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.001
255004	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.001
255005	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255006	< 3	< 0.003	0.004	0.012	0.003	< 0.003	0.010	< 0.003	0.005
255007	< 3	< 0.003	< 0.003	0.023	0.002	< 0.003	0.004	< 0.003	0.004
255008	< 3	< 0.003	< 0.003	0.030	0.002	< 0.003	0.005	< 0.003	0.004
255009	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	0.003	< 0.003	0.003
255010	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	0.003	< 0.003	0.004
255011	< 3	< 0.003	< 0.003	0.020	0.003	< 0.003	0.013	< 0.003	0.004
255012	< 3	< 0.003	< 0.003	0.811	0.004	0.022	0.004	< 0.003	0.011
255013	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.002
255014	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.002
255015	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.002
255016	< 3	< 0.003	< 0.003	0.033	0.002	< 0.003	< 0.003	< 0.003	0.003
255017	< 3	< 0.003	< 0.003	0.047	0.001	< 0.003	< 0.003	< 0.003	0.002
255018	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
255019	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	0.002
255020	< 3	< 0.003	< 0.003	0.057	0.001	< 0.003	< 0.003	< 0.003	0.002
255021	< 3	< 0.003	< 0.003	0.027	0.002	< 0.003	< 0.003	< 0.003	0.003
255022	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255023	< 3	< 0.003	< 0.003	0.031	0.002	< 0.003	0.004	< 0.003	0.003
255024	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255025	< 3	< 0.003	< 0.003	0.016	0.003	< 0.003	0.007	< 0.003	0.004
255026	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
255027	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255028	< 3	< 0.003	< 0.003	0.039	0.001	< 0.003	< 0.003	< 0.003	0.002
255029	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	0.002
255030	< 3	< 0.003	< 0.003	0.044	0.001	< 0.003	< 0.003	< 0.003	0.002
255031	4	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.002
255032	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255033	< 3	< 0.003	< 0.003	0.233	0.002	< 0.003	< 0.003	< 0.003	0.004
255034	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255035	< 3	< 0.003	< 0.003	0.097	0.002	< 0.003	< 0.003	< 0.003	0.003
255036	< 3	< 0.003	< 0.003	0.535	0.003	0.031	0.004	< 0.003	0.009
255037	< 3	< 0.003	< 0.003	0.170	0.002	< 0.003	< 0.003	< 0.003	0.003
255038	< 3	< 0.003	< 0.003	0.050	0.002	< 0.003	0.004	< 0.003	0.003
255039	< 3	< 0.003	< 0.003	0.041	0.002	< 0.003	0.005	< 0.003	0.002
255040	< 3	< 0.003	< 0.003	0.070	0.002	< 0.003	0.014	< 0.003	0.003
255041	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.002
255042	3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255043	< 3	< 0.003	< 0.003	0.096	0.001	< 0.003	< 0.003	< 0.003	0.003
255044	< 3	< 0.003	< 0.003	0.105	0.003	< 0.003	0.008	< 0.003	0.005
255045	< 3	< 0.003	< 0.003	0.081	0.002	< 0.003	0.004	< 0.003	0.003
255046	< 3	< 0.003	< 0.003	0.098	0.001	< 0.003	< 0.003	< 0.003	0.003
255047	< 3	< 0.003	< 0.003	0.102	0.002	< 0.003	< 0.003	< 0.003	0.003
255048	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255049	< 3	< 0.003	< 0.003	0.086	0.002	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255050	< 3	< 0.003	< 0.003	0.079	0.002	< 0.003	< 0.003	< 0.003	0.002
255051	< 3	< 0.003	< 0.003	0.092	0.002	< 0.003	< 0.003	< 0.003	0.005
255052	< 3	< 0.003	< 0.003	0.067	0.001	< 0.003	< 0.003	< 0.003	0.002
255053	< 3	< 0.003	< 0.003	0.147	0.002	< 0.003	< 0.003	< 0.003	0.006
255054	< 3	< 0.003	< 0.003	0.064	0.001	< 0.003	< 0.003	< 0.003	0.002
255055	< 3	< 0.003	< 0.003	0.106	0.002	< 0.003	< 0.003	< 0.003	0.003
255056	< 3	< 0.003	< 0.003	0.052	0.002	< 0.003	< 0.003	< 0.003	0.002
255057	< 3	< 0.003	< 0.003	0.046	0.001	< 0.003	< 0.003	< 0.003	0.002
255058	< 3	< 0.003	< 0.003	0.070	0.002	< 0.003	< 0.003	< 0.003	0.004
255059	< 3	< 0.003	< 0.003	0.054	0.001	< 0.003	< 0.003	< 0.003	0.003
255060	< 3	< 0.003	< 0.003	0.280	0.004	0.009	0.006	< 0.003	0.009
255061	< 3	< 0.003	< 0.003	0.058	0.001	< 0.003	< 0.003	< 0.003	0.002
255062	< 3	< 0.003	< 0.003	0.168	0.002	< 0.003	< 0.003	< 0.003	0.005
255063	< 3	< 0.003	< 0.003	0.052	0.002	< 0.003	< 0.003	< 0.003	0.004
255064	< 3	< 0.003	< 0.003	0.032	0.006	< 0.003	0.010	< 0.003	0.006
255065	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.002
255066	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.003
255067	< 3	< 0.003	< 0.003	0.036	0.002	< 0.003	< 0.003	< 0.003	0.004
255068	3	< 0.003	< 0.003	0.118	0.001	< 0.003	< 0.003	< 0.003	0.004
255069	< 3	< 0.003	0.004	0.005	0.004	< 0.003	0.004	< 0.003	0.006
255070	< 3	< 0.003	0.004	0.009	0.004	< 0.003	0.004	< 0.003	0.006
255071	< 3	< 0.003	0.004	0.005	0.004	< 0.003	0.004	< 0.003	0.006
255072	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255073	< 3	< 0.003	0.004	0.025	0.004	< 0.003	0.005	< 0.003	0.007
255074	< 3	< 0.003	< 0.003	0.073	0.002	< 0.003	< 0.003	< 0.003	0.001
255075	< 3	< 0.003	< 0.003	0.028	0.002	< 0.003	< 0.003	< 0.003	0.004
255076	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.002
255077	< 3	< 0.003	0.004	0.004	0.004	< 0.003	0.005	< 0.003	0.008
255078	3	< 0.003	< 0.003	0.056	0.001	< 0.003	< 0.003	< 0.003	0.002
255079	3	< 0.003	< 0.003	0.036	0.002	< 0.003	< 0.003	< 0.003	0.002
255080	< 3	< 0.003	< 0.003	0.035	0.002	< 0.003	< 0.003	< 0.003	0.002
255081	< 3	< 0.003	< 0.003	0.037	0.002	< 0.003	< 0.003	< 0.003	0.003
255082	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.002
255083	< 3	< 0.003	< 0.003	0.057	0.002	< 0.003	< 0.003	< 0.003	0.002
255084	4	< 0.003	< 0.003	1.07	0.003	0.049	0.004	0.005	0.010
255085	< 3	< 0.003	< 0.003	0.047	0.002	< 0.003	< 0.003	< 0.003	0.002
255086	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.001
255087	< 3	< 0.003	< 0.003	0.081	0.002	< 0.003	< 0.003	< 0.003	0.003
255088	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.003
255089	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.001
255090	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255091	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	< 0.001
255092	< 3	< 0.003	< 0.003	0.036	0.002	< 0.003	< 0.003	< 0.003	< 0.001
255093	3	< 0.003	< 0.003	0.079	0.001	< 0.003	< 0.003	< 0.003	0.001
255094	< 3	< 0.003	< 0.003	0.066	0.001	< 0.003	< 0.003	< 0.003	0.001
255095	< 3	< 0.003	< 0.003	0.082	0.001	< 0.003	< 0.003	< 0.003	0.001
255096	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255097	< 3	< 0.003	< 0.003	0.065	0.001	< 0.003	< 0.003	< 0.003	0.002
255098	< 3	< 0.003	< 0.003	0.097	0.001	< 0.003	< 0.003	< 0.003	0.021
255099	3	< 0.003	< 0.003	0.059	0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255100	< 3	< 0.003	< 0.003	0.047	0.001	< 0.003	< 0.003	< 0.003	0.002
255101	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.001
255102	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.003
255103	3	< 0.003	< 0.003	0.026	0.002	< 0.003	< 0.003	< 0.003	0.007
255104	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255105	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255106	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	0.001
255107	< 3	< 0.003	< 0.003	0.052	0.001	< 0.003	< 0.003	< 0.003	0.002
255108	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	< 0.003	0.002
255109	3	< 0.003	< 0.003	0.046	0.001	< 0.003	< 0.003	< 0.003	0.001
255110	< 3	< 0.003	< 0.003	0.046	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255111	< 3	< 0.003	< 0.003	0.050	0.001	< 0.003	< 0.003	< 0.003	0.001
255112	< 3	< 0.003	< 0.003	0.790	0.004	0.022	0.004	< 0.003	0.012
255113	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.002
255114	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.002
255115	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255116	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255117	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255118	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255119	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255120	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255121	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255122	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255123	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255124	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255125	< 3	< 0.003	< 0.003	0.058	0.002	< 0.003	< 0.003	< 0.003	0.002
255126	< 3	< 0.003	< 0.003	0.050	0.001	< 0.003	< 0.003	< 0.003	0.002
255127	< 3	< 0.003	< 0.003	0.086	0.002	< 0.003	< 0.003	< 0.003	0.002
255128	< 3	< 0.003	< 0.003	0.067	0.001	< 0.003	< 0.003	< 0.003	0.002
255129	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255130	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255131	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.002
255132	< 3	< 0.003	0.003	0.073	0.003	< 0.003	0.032	< 0.003	0.006
255133	< 3	< 0.003	< 0.003	0.042	0.003	< 0.003	< 0.003	< 0.003	0.004
255134	3	< 0.003	< 0.003	0.066	0.002	< 0.003	< 0.003	< 0.003	0.003
255135	< 3	< 0.003	< 0.003	0.037	0.002	< 0.003	< 0.003	< 0.003	0.003
255136	< 3	< 0.003	< 0.003	0.525	0.004	0.031	0.004	< 0.003	0.009
255137	< 3	< 0.003	< 0.003	0.061	0.004	< 0.003	0.007	< 0.003	0.005
255138	< 3	< 0.003	< 0.003	0.038	0.003	< 0.003	0.004	< 0.003	0.004
255139	< 3	< 0.003	< 0.003	0.006	0.006	< 0.003	0.010	< 0.003	0.005
255140	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255141	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255142	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.002
255143	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255144	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
255145	< 3	< 0.003	< 0.003	0.033	0.002	< 0.003	< 0.003	< 0.003	0.004
255146	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	0.003
255147	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.003
255148	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255149	< 3	< 0.003	< 0.003	0.006	0.003	< 0.003	< 0.003	< 0.003	0.003
255150	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	132		2.07	24.9				46.4	
PTM-1a Cert	135		2.05	24.96				47.44	
PTM-1a Meas	127		2.06	24.5				46.2	
PTM-1a Cert	135		2.05	24.96				47.44	
OREAS 14P Meas			0.071	0.964				2.09	
OREAS 14P Cert			0.0750	0.997				2.10	
OREAS 14P Meas			0.073	0.990				2.11	
OREAS 14P Cert			0.0750	0.997				2.10	
HV-2 Meas				0.567		0.051	< 0.003		0.006
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.583		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.115	< 0.003	< 0.003	0.013
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.113	0.004	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07238 (NCS DC 70006) Meas				0.009		1.43	0.003	< 0.003	0.010
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.45	0.004	< 0.003	0.009
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	202	0.054	0.011	0.126				13.1	17.4
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	198	0.056	0.010	0.130				13.0	17.4
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	49	0.054		3.10		0.026		2.13	16.9
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.055		3.10		0.028		2.14	17.0
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	18		0.007	6.28				0.011	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	18		0.006	6.21				0.012	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	46		0.013	14.5				0.037	0.134
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.013	14.7				0.028	0.137

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Acid) Meas									
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.212				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.206				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.85				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
CZN-4 Meas	50	0.257	0.009	0.403				0.179	54.7
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	48	0.261	0.010	0.403				0.177	53.9
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.82				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.06				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	56		0.309	8.15			11.2	0.084	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	56		0.318	7.91			11.1	0.077	0.210
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	204	0.007	0.031	22.5				0.697	2.98
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	202	0.007	0.031	22.7				0.687	2.99
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	3.75				0.008	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.005	3.92				0.010	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 352				0.061				57.3	2.18



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Peroxide Fusion Meas									
OREAS 352 Peroxide Fusion Cert				0.0640				60.6	2.36
255013 Orig	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.002
255013 Dup	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.002
255026 Orig	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
255026 Dup	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
255034 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255034 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255050 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.079	0.002	< 0.003	< 0.003	< 0.003	0.002
255050 Split PREP DUP	< 3	< 0.003	< 0.003	0.079	0.001	< 0.003	< 0.003	< 0.003	0.003
255059 Orig	< 3	< 0.003	< 0.003	0.055	0.002	< 0.003	< 0.003	< 0.003	0.003
255059 Dup	< 3	< 0.003	< 0.003	0.053	0.001	< 0.003	< 0.003	< 0.003	0.003
255067 Orig	< 3	< 0.003	< 0.003	0.036	0.002	< 0.003	< 0.003	< 0.003	0.004
255067 Dup	< 3	< 0.003	< 0.003	0.036	0.002	< 0.003	< 0.003	< 0.003	0.004
255092 Orig	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255092 Dup	< 3	< 0.003	< 0.003	0.036	0.002	< 0.003	< 0.003	< 0.003	0.001
255100 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.047	0.001	< 0.003	< 0.003	< 0.003	0.002
255100 Split PREP DUP	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.002
255100 Orig	< 3	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	< 0.003	0.002
255100 Dup	< 3	< 0.003	< 0.003	0.047	0.001	< 0.003	< 0.003	< 0.003	0.002
255125 Orig	< 3	< 0.003	< 0.003	0.057	0.002	< 0.003	< 0.003	< 0.003	0.002
255125 Dup	< 3	< 0.003	< 0.003	0.058	0.002	< 0.003	< 0.003	< 0.003	0.002
255138 Orig	< 3	< 0.003	< 0.003	0.038	0.003	< 0.003	0.004	< 0.003	0.004
255138 Dup	< 3	< 0.003	< 0.003	0.037	0.003	< 0.003	0.005	< 0.003	0.004
255146 Orig	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	0.003
255146 Dup	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	0.003
255150 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.002
255150 Split PREP DUP	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.003
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-10871-Au  
 Report Date: 16-Oct-20  
 Date Submitted: 11-Sep-20  
 Your Reference: 234

IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

ATTN: Alan Smith

## CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2020-10-07 16:46:59
1A3-50-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-10-14 17:30:52

REPORT      **A20-10871-Au**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
255001	0.097	
255002	0.291	
255003	0.088	
255004	0.679	
255005	0.241	
255006	0.059	
255007	2.058	
255008	0.515	
255009	0.173	
255010	0.287	
255011	0.143	
255012	0.487	
255013	0.409	
255014	0.179	
255015	0.295	
255016	0.369	
255017	0.616	
255018	0.208	
255019	0.087	
255020	0.956	
255021	0.800	
255022	0.240	
255023	0.555	
255024	< 0.005	
255025	0.292	
255026	1.410	
255027	0.324	
255028	0.403	
255029	0.418	
255030	0.392	
255031	0.167	
255032	0.492	
255033	3.725	4.20
255034	< 0.005	
255035	0.896	
255036	0.690	
255037	1.416	
255038	0.183	
255039	0.426	
255040	0.735	
255041	0.170	
255042	0.312	
255043	1.370	
255044	1.778	
255045	0.615	
255046	0.510	
255047	0.914	
255048	< 0.005	
255049	0.455	
255050	0.803	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
255051	0.220	
255052	0.310	
255053	0.597	
255054	0.380	
255055	0.585	
255056	0.411	
255057	0.218	
255058	0.243	
255059	0.184	
255060	0.226	
255061	0.278	
255062	0.832	
255063	0.915	
255064	0.969	
255065	0.834	
255066	0.918	
255067	0.319	
255068	1.115	
255069	0.012	
255070	0.035	
255071	0.013	
255072	< 0.005	
255073	0.341	
255074	0.964	
255075	0.263	
255076	0.010	
255077	0.013	
255078	0.399	
255079	0.362	
255080	0.611	
255081	0.649	
255082	0.612	
255083	0.772	
255084	1.554	
255085	0.233	
255086	0.356	
255087	0.591	
255088	0.093	
255089	0.089	
255090	0.066	
255091	0.005	
255092	0.113	
255093	0.100	
255094	0.158	
255095	0.598	
255096	< 0.005	
255097	0.364	
255098	0.890	
255099	1.470	
255100	0.276	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
255101	0.323	
255102	0.351	
255103	0.134	
255104	0.893	
255105	0.170	
255106	0.188	
255107	0.598	
255108	0.514	
255109	0.280	
255110	0.213	
255111	0.567	
255112	0.514	
255113	0.259	
255114	0.100	
255115	0.057	
255116	0.114	
255117	0.064	
255118	0.016	
255119	0.866	
255120	0.036	
255121	0.015	
255122	0.265	
255123	0.042	
255124	< 0.005	
255125	0.207	
255126	0.227	
255127	0.717	
255128	0.242	
255129	0.089	
255130	0.077	
255131	0.140	
255132	0.998	
255133	0.554	
255134	1.915	
255135	2.399	
255136	0.697	
255137	3.856	4.06
255138	0.483	
255139	0.059	
255140	0.148	
255141	0.851	
255142	0.181	
255143	0.411	
255144	0.069	
255145	1.308	
255146	0.067	
255147	0.068	
255148	< 0.005	
255149	0.032	
255150	0.015	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
SN75 Meas		8.76
SN75 Cert		8.67
SN75 Meas		8.65
SN75 Cert		8.67
OREAS 218 Meas	0.543	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.553	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.556	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.556	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.559	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.539	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.544	
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.0
OREAS 257 Cert		14.18
OREAS 257 Meas		14.2
OREAS 257 Cert		14.18
Oreas E1336 (Fire Assay) Meas	0.524	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.509	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.524	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.526	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.529	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.527	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.518	
Oreas E1336 (Fire Assay) Cert	0.510	
255010 Orig	0.253	
255010 Dup	0.321	
255020 Orig	1.035	
255020 Dup	0.876	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
255030 Orig	0.388	
255030 Dup	0.396	
255050 Split Orig PREP DUP	0.803	
255050 Split PREP DUP	0.904	
255054 Orig	0.401	
255054 Dup	0.359	
255079 Orig	0.358	
255079 Dup	0.366	
255089 Orig	0.096	
255089 Dup	0.081	
255100 Split Orig PREP DUP	0.276	
255100 Split PREP DUP	0.290	
255113 Orig	0.213	
255113 Dup	0.306	
255123 Orig	0.036	
255123 Dup	0.049	
255133 Orig	0.584	
255133 Dup	0.524	
255148 Orig	< 0.005	
255148 Dup	< 0.005	
255150 Split Orig PREP DUP	0.015	
255150 Split PREP DUP	0.027	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank	0.005	
Method Blank	0.005	



Report No.: A20-11325-8-4 Acid
Report Date: 26-Nov-20
Date Submitted: 18-Sep-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

335 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
Row 1: 8-4 Acid Total Digestion | QOP Total Assay (Code 8-4 Acid Total Digestion Assays) | 2020-10-29 12:17:25

REPORT A20-11325-8-4 Acid

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Notes:

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255151	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	0.004	< 0.003	0.002
255152	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255153	< 3	< 0.003	< 0.003	0.147	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255154	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	0.005	< 0.003	0.004
255155	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	0.009	< 0.003	0.004
255156	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	0.012	< 0.003	0.003
255157	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	0.005	< 0.003	0.004
255158	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	0.003	< 0.003	0.004
255159	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	0.006	< 0.003	0.004
255160	< 3	< 0.003	< 0.003	0.283	0.003	0.007	0.006	< 0.003	0.008
255161	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	0.003	< 0.003	0.003
255162	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	0.008	< 0.003	0.005
255163	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255164	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255165	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255166	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255167	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255168	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255169	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	0.003	< 0.003	0.001
255170	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255171	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255172	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255173	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	0.005	< 0.003	0.002
255174	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255175	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255176	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255177	< 3	< 0.003	0.004	0.007	< 0.001	< 0.003	0.046	< 0.003	0.005
255178	< 3	< 0.003	0.006	0.050	< 0.001	< 0.003	0.036	< 0.003	0.004
255179	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255180	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255181	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255182	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255183	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255184	4	< 0.003	< 0.003	1.08	0.002	0.049	0.004	0.005	0.010
255185	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255186	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255187	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255188	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255189	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255190	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255191	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255192	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255193	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255194	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255195	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255196	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255197	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255198	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255199	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255200	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255201	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255202	< 3	< 0.003	0.006	0.018	< 0.001	< 0.003	0.007	< 0.003	0.012
255203	< 3	< 0.003	0.006	0.018	< 0.001	< 0.003	0.006	< 0.003	0.013
255204	< 3	< 0.003	0.005	0.017	< 0.001	< 0.003	0.005	< 0.003	0.010
255205	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255206	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255207	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255208	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255209	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255210	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255211	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255212	< 3	< 0.003	< 0.003	0.774	0.002	0.020	0.003	< 0.003	0.011
255213	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255214	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255215	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255216	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255217	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255218	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255219	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.009
255220	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255221	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255222	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255223	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255224	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255225	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255226	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255227	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255228	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255229	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255230	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255231	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255232	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255233	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255234	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255235	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255236	< 3	< 0.003	< 0.003	0.519	0.002	0.029	0.004	< 0.003	0.009
255237	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255238	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255239	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255240	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255241	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255242	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255243	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255244	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255245	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255246	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255247	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255248	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255249	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255250	< 3	< 0.003	< 0.003	0.101	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255251	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255252	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255253	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255254	< 3	< 0.003	< 0.003	0.107	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255255	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255256	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255257	< 3	< 0.003	< 0.003	0.143	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255258	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.007
255259	< 3	< 0.003	< 0.003	0.254	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255260	< 3	< 0.003	< 0.003	0.269	0.002	0.007	0.006	< 0.003	0.008
255261	6	< 0.003	< 0.003	0.239	< 0.001	0.010	< 0.003	< 0.003	0.002
255262	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255263	< 3	< 0.003	< 0.003	0.361	0.001	< 0.003	< 0.003	< 0.003	0.003
255264	< 3	< 0.003	< 0.003	0.140	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255265	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255266	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.007
255267	< 3	< 0.003	< 0.003	0.097	0.001	< 0.003	< 0.003	< 0.003	0.008
255268	< 3	< 0.003	< 0.003	0.078	0.001	< 0.003	< 0.003	< 0.003	0.010
255269	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255270	4	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255271	< 3	< 0.003	< 0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255272	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255273	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255274	33	< 0.003	< 0.003	0.769	0.001	< 0.003	< 0.003	< 0.003	0.004
255275	< 3	< 0.003	< 0.003	0.112	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255276	< 3	< 0.003	< 0.003	0.110	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255277	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255278	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255279	< 3	< 0.003	< 0.003	0.145	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255280	< 3	< 0.003	< 0.003	0.041	< 0.001	0.004	< 0.003	< 0.003	0.001
255281	< 3	< 0.003	< 0.003	0.059	0.001	< 0.003	< 0.003	< 0.003	0.001
255282	< 3	< 0.003	< 0.003	0.112	< 0.001	0.004	< 0.003	< 0.003	0.002
255283	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255284	3	< 0.003	< 0.003	1.10	0.003	0.051	0.004	0.005	0.010
255285	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255286	< 3	< 0.003	< 0.003	0.091	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255287	< 3	< 0.003	< 0.003	0.327	0.001	< 0.003	< 0.003	< 0.003	0.003
255288	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255289	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255290	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255291	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255292	< 3	< 0.003	< 0.003	0.119	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255293	< 3	< 0.003	< 0.003	0.146	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255294	< 3	< 0.003	< 0.003	0.043	< 0.001	0.013	< 0.003	< 0.003	0.003
255295	< 3	< 0.003	< 0.003	0.049	< 0.001	0.015	< 0.003	< 0.003	0.005
255296	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255297	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255298	< 3	< 0.003	< 0.003	0.096	< 0.001	0.004	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255299	< 3	< 0.003	< 0.003	0.061	< 0.001	0.014	< 0.003	< 0.003	0.002
255300	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255301	< 3	< 0.003	< 0.003	0.199	< 0.001	0.013	< 0.003	< 0.003	0.002
255302	< 3	< 0.003	< 0.003	0.127	0.001	< 0.003	< 0.003	< 0.003	0.003
255303	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255304	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255305	< 3	< 0.003	< 0.003	0.091	< 0.001	0.005	< 0.003	< 0.003	0.001
255306	< 3	< 0.003	< 0.003	0.177	< 0.001	0.003	< 0.003	< 0.003	0.002
255307	< 3	< 0.003	< 0.003	0.133	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255308	< 3	< 0.003	< 0.003	0.163	< 0.001	0.006	< 0.003	< 0.003	0.002
255309	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255310	< 3	< 0.003	< 0.003	0.096	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255311	< 3	< 0.003	< 0.003	0.120	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255312	< 3	< 0.003	< 0.003	0.731	0.004	0.022	0.003	< 0.003	0.011
255313	< 3	< 0.003	< 0.003	0.272	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255314	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255315	3	< 0.003	< 0.003	0.364	< 0.001	< 0.003	< 0.003	< 0.003	0.006
255316	< 3	< 0.003	< 0.003	0.128	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255317	< 3	< 0.003	< 0.003	0.159	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255318	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255319	< 3	< 0.003	< 0.003	0.164	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255320	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255321	< 3	< 0.003	< 0.003	0.135	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255322	< 3	< 0.003	< 0.003	0.110	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255323	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255324	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255325	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255326	< 3	< 0.003	< 0.003	0.128	0.001	< 0.003	< 0.003	< 0.003	0.001
255327	6	< 0.003	< 0.003	0.222	0.001	< 0.003	< 0.003	< 0.003	0.004
255328	< 3	< 0.003	< 0.003	0.185	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255329	< 3	< 0.003	< 0.003	0.154	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255330	< 3	< 0.003	< 0.003	0.161	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255331	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255332	< 3	< 0.003	< 0.003	0.098	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255333	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255334	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255335	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255336	< 3	< 0.003	< 0.003	0.550	0.004	0.032	0.004	< 0.003	0.009
255337	< 3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255338	< 3	< 0.003	< 0.003	0.185	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255339	< 3	< 0.003	< 0.003	0.316	< 0.001	< 0.003	< 0.003	< 0.003	0.006
255340	< 3	< 0.003	< 0.003	0.119	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255341	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255342	< 3	< 0.003	< 0.003	0.109	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255343	< 3	< 0.003	< 0.003	0.365	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255344	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255345	< 3	< 0.003	< 0.003	0.306	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255346	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255347	< 3	< 0.003	< 0.003	0.130	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255348	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255349	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255350	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255351	< 3	< 0.003	< 0.003	0.139	< 0.001	0.003	< 0.003	< 0.003	0.003
255352	< 3	< 0.003	< 0.003	0.108	< 0.001	0.003	< 0.003	< 0.003	0.002
255353	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255354	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255355	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255356	< 3	< 0.003	< 0.003	0.109	0.001	< 0.003	< 0.003	< 0.003	0.005
255357	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255358	< 3	< 0.003	< 0.003	0.159	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255359	< 3	< 0.003	< 0.003	0.444	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255360	< 3	< 0.003	< 0.003	0.282	0.004	< 0.003	0.006	< 0.003	0.008
255361	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255362	< 3	< 0.003	< 0.003	0.355	< 0.001	< 0.003	< 0.003	< 0.003	0.007
255363	< 3	< 0.003	< 0.003	0.141	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255364	4	< 0.003	< 0.003	0.498	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255365	< 3	< 0.003	< 0.003	0.093	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255366	< 3	< 0.003	< 0.003	0.101	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255367	< 3	< 0.003	< 0.003	0.200	0.003	< 0.003	< 0.003	< 0.003	0.003
255368	< 3	< 0.003	< 0.003	0.195	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255369	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255370	< 3	< 0.003	< 0.003	0.170	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255371	< 3	< 0.003	< 0.003	0.232	0.001	< 0.003	< 0.003	< 0.003	0.002
255372	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255373	< 3	< 0.003	< 0.003	0.167	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255374	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255375	< 3	< 0.003	< 0.003	0.087	0.002	< 0.003	< 0.003	< 0.003	0.003
255376	< 3	< 0.003	< 0.003	0.067	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255377	< 3	< 0.003	< 0.003	0.282	< 0.001	0.004	< 0.003	< 0.003	0.003
255378	< 3	< 0.003	< 0.003	0.054	< 0.001	0.003	< 0.003	< 0.003	0.001
255379	< 3	< 0.003	< 0.003	0.066	< 0.001	0.003	< 0.003	< 0.003	0.001
255380	< 3	< 0.003	< 0.003	0.172	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255381	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255382	< 3	< 0.003	< 0.003	0.256	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255383	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255384	4	< 0.003	< 0.003	1.08	0.003	0.051	0.005	0.005	0.010
255385	< 3	< 0.003	< 0.003	0.096	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255386	< 3	< 0.003	< 0.003	0.289	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255387	< 3	< 0.003	< 0.003	0.177	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255388	4	< 0.003	< 0.003	0.386	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255389	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255390	< 3	< 0.003	< 0.003	0.259	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255391	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255392	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255393	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255394	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255395	< 3	< 0.003	< 0.003	0.249	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255396	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255397	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255398	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255399	< 3	< 0.003	< 0.003	0.112	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255400	< 3	< 0.003	< 0.003	0.121	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255401	< 3	< 0.003	< 0.003	0.195	< 0.001	< 0.003	< 0.003	< 0.003	0.019
255402	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255403	< 3	< 0.003	< 0.003	0.152	< 0.001	0.021	< 0.003	< 0.003	0.013
255404	4	< 0.003	0.010	0.160	0.001	< 0.003	< 0.003	< 0.003	0.018
255405	< 3	< 0.003	< 0.003	0.094	0.002	< 0.003	< 0.003	< 0.003	0.006
255406	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255407	< 3	< 0.003	< 0.003	0.115	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255408	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255409	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255410	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255411	< 3	< 0.003	< 0.003	0.279	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255412	< 3	< 0.003	< 0.003	0.766	0.004	0.022	0.004	< 0.003	0.010
255413	< 3	< 0.003	< 0.003	0.464	< 0.001	< 0.003	< 0.003	< 0.003	0.007
255414	< 3	< 0.003	< 0.003	0.335	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255415	< 3	< 0.003	< 0.003	0.134	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255416	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255417	3	< 0.003	0.006	0.419	0.001	< 0.003	< 0.003	< 0.003	0.015
255418	< 3	< 0.003	< 0.003	0.249	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255419	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255420	< 3	< 0.003	< 0.003	0.187	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255421	< 3	< 0.003	< 0.003	0.148	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255422	< 3	< 0.003	< 0.003	0.114	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255423	< 3	< 0.003	< 0.003	0.206	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255424	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255425	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255426	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255427	< 3	< 0.003	< 0.003	0.190	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255428	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255429	< 3	< 0.003	< 0.003	0.228	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255430	< 3	< 0.003	< 0.003	0.235	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255431	< 3	< 0.003	< 0.003	0.300	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255432	< 3	< 0.003	< 0.003	0.334	< 0.001	< 0.003	< 0.003	< 0.003	0.007
255433	< 3	< 0.003	< 0.003	0.222	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255434	7	< 0.003	< 0.003	0.973	< 0.001	< 0.003	< 0.003	< 0.003	0.023
255435	4	< 0.003	< 0.003	0.394	< 0.001	< 0.003	< 0.003	< 0.003	0.012
255436	< 3	< 0.003	< 0.003	0.535	0.004	0.031	0.004	< 0.003	0.008
255437	< 3	< 0.003	< 0.003	0.140	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255438	< 3	< 0.003	< 0.003	0.251	0.001	< 0.003	< 0.003	< 0.003	0.008
255439	4	< 0.003	< 0.003	0.370	< 0.001	< 0.003	< 0.003	< 0.003	0.008
255440	< 3	< 0.003	< 0.003	0.059	0.002	< 0.003	< 0.003	< 0.003	0.003
255441	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255442	< 3	< 0.003	< 0.003	0.204	0.001	< 0.003	< 0.003	< 0.003	0.005
255443	< 3	< 0.003	< 0.003	0.179	0.001	< 0.003	< 0.003	< 0.003	0.007
255444	4	< 0.003	< 0.003	0.250	0.001	0.004	< 0.003	< 0.003	0.009
255445	< 3	< 0.003	< 0.003	0.138	0.001	< 0.003	< 0.003	< 0.003	0.005
255446	< 3	< 0.003	< 0.003	0.213	0.001	< 0.003	< 0.003	< 0.003	0.007
255447	< 3	< 0.003	< 0.003	0.264	< 0.001	< 0.003	< 0.003	< 0.003	0.009

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255448	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255449	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255450	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.008
255451	< 3	< 0.003	< 0.003	0.205	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255452	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255453	< 3	< 0.003	< 0.003	0.103	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255454	< 3	< 0.003	< 0.003	0.121	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255455	< 3	< 0.003	< 0.003	0.215	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255456	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255457	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255458	< 3	< 0.003	< 0.003	0.230	< 0.001	< 0.003	< 0.003	< 0.003	0.007
255459	< 3	< 0.003	< 0.003	0.120	< 0.001	< 0.003	< 0.003	< 0.003	0.007
255460	< 3	< 0.003	< 0.003	0.278	0.004	0.009	0.007	< 0.003	0.008
255461	< 3	< 0.003	< 0.003	0.126	< 0.001	0.004	< 0.003	< 0.003	0.004
255462	< 3	< 0.003	< 0.003	0.155	0.001	< 0.003	< 0.003	< 0.003	0.005
255463	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255464	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255465	< 3	< 0.003	< 0.003	0.122	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255466	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255467	< 3	< 0.003	< 0.003	0.072	0.001	< 0.003	< 0.003	< 0.003	0.004
255468	< 3	< 0.003	< 0.003	0.390	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255469	< 3	< 0.003	< 0.003	0.144	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255470	< 3	< 0.003	< 0.003	0.136	< 0.001	< 0.003	< 0.003	< 0.003	0.006
255471	< 3	< 0.003	< 0.003	0.135	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255472	< 3	< 0.003	< 0.003	0.081	0.001	< 0.003	< 0.003	< 0.003	0.002
255473	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255474	< 3	< 0.003	< 0.003	0.117	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255475	< 3	< 0.003	< 0.003	0.091	0.002	< 0.003	< 0.003	< 0.003	0.002
255476	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.002
255477	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
255478	< 3	< 0.003	< 0.003	0.084	0.001	< 0.003	< 0.003	< 0.003	0.001
255479	< 3	< 0.003	< 0.003	0.101	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255480	< 3	< 0.003	< 0.003	0.243	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255481	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255482	< 3	< 0.003	< 0.003	0.194	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255483	< 3	< 0.003	0.005	0.016	0.002	< 0.003	0.008	< 0.003	0.009
255484	4	< 0.003	< 0.003	1.09	0.003	0.051	0.005	0.006	0.010
255485	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	133		2.03	24.6			46.1		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	132		2.07	25.0			47.1		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.070	0.976			2.14		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.073	0.971			2.11		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.070	0.935			2.04		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.071	0.987			2.14		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.583		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.590		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.577		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.005		0.108	0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.005		0.107	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.111	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07238 (NCS DC 70006) Meas				0.010		1.46	0.004	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.45	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.49	0.004	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	216	0.055	0.011	0.132				13.5	17.7
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	209	0.058	0.011	0.131				13.3	17.6
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	200	0.054	0.010	0.126				13.1	17.2



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
ACID) Meas									
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	51	0.052		3.13		0.028		2.20	17.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	49	0.055		2.96		0.027		2.10	16.7
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	49	0.054		3.08		0.027		2.15	16.9
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	20		0.007	6.29				0.014	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.21				0.012	0.060
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.006	6.47				0.013	0.060
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	46		0.012	14.8				0.033	0.131
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.013	15.0				0.033	0.135
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.5				0.033	0.134
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.221				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.210				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.221				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.75				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.82				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.83				
NCS DC86314					1.81				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Cert									
CZN-4 Meas	54	0.258	0.011	0.417				0.189	55.9
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	51	0.265	0.010	0.415				0.179	53.4
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	52	0.259	0.009	0.413				0.186	55.9
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.89				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.96				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.77				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	51		0.314	7.86			11.0	0.082	0.203
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	50		0.315	7.90			11.1	0.078	0.201
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.313	7.88			11.3	0.084	0.207
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	209	0.007	0.031	23.4				0.686	2.96
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	200	0.008	0.030	22.5				0.697	3.01
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	205	0.008	0.031	23.5				0.727	3.06
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	12		0.005	3.94				0.011	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.005	3.84				0.025	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.005	3.96				0.010	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
255163 Orig	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255163 Dup	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255176 Orig	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255176 Dup	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255184 Orig	4	< 0.003	< 0.003	1.09	0.002	0.049	0.004	0.005	0.010
255184 Dup	3	< 0.003	< 0.003	1.06	0.002	0.049	0.004	0.005	0.010
255200 Split	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255209 Orig	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255209 Dup	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255217 Orig	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255217 Dup	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255242 Orig	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255242 Dup	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255250 Split	< 3	< 0.003	< 0.003	0.107	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255250 Orig	< 3	< 0.003	< 0.003	0.101	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255250 Dup	< 3	< 0.003	< 0.003	0.101	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255275 Orig	< 3	< 0.003	< 0.003	0.114	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255275 Dup	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255288 Orig	< 3	< 0.003	< 0.003	0.089	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255288 Dup	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255296 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255296 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255300 Split	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255321 Orig	< 3	< 0.003	< 0.003	0.132	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255321 Dup	< 3	< 0.003	< 0.003	0.137	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255329 Orig	< 3	< 0.003	< 0.003	0.152	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255329 Dup	< 3	< 0.003	< 0.003	0.157	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255350 Split	< 3	< 0.003	< 0.003	0.086	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255354 Orig	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255354 Dup	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255362 Orig	< 3	< 0.003	< 0.003	0.356	< 0.001	< 0.003	< 0.003	< 0.003	0.007
255362 Dup	3	< 0.003	< 0.003	0.355	< 0.001	< 0.003	< 0.003	< 0.003	0.007
255387 Orig	< 3	< 0.003	< 0.003	0.179	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255387 Dup	< 3	< 0.003	< 0.003	0.175	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255400 Split	< 3	< 0.003	< 0.003	0.127	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255400 Orig	< 3	< 0.003	< 0.003	0.119	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255400 Dup	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255408 Orig	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255408 Dup	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255433 Orig	< 3	< 0.003	< 0.003	0.220	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255433 Dup	< 3	< 0.003	< 0.003	0.224	< 0.001	< 0.003	< 0.003	< 0.003	0.005
255441 Orig	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.003
255441 Dup	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255450 Split	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.004
255466 Orig	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255466 Dup	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255474 Orig	< 3	< 0.003	< 0.003	0.116	0.001	< 0.003	< 0.003	< 0.003	< 0.001
255474 Dup	< 3	< 0.003	< 0.003	0.118	0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-11325-Au
Report Date: 27-Oct-20
Date Submitted: 18-Sep-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

335 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Description, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-11325-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255151	0.039								
255152	1.055								
255153	0.244								
255154	0.047								
255155	0.535								
255156	0.082								
255157	0.307								
255158	0.492								
255159	0.152								
255160	0.225								
255161	0.106								
255162	0.035								
255163	0.134								
255164	0.087								
255165	0.278								
255166	0.105								
255167	0.689								
255168	2.275								
255169	0.145								
255170	0.102								
255171	0.113								
255172	< 0.005								
255173	0.289								
255174	0.032								
255175	0.030								
255176	0.016								
255177	0.018								
255178	0.024								
255179	0.028								
255180	0.060								
255181	0.008								
255182	0.041								
255183	0.095								
255184	1.435								
255185	0.152								
255186	0.540								
255187	0.071								
255188	0.086								
255189	0.197								
255190	0.250								
255191	0.315								
255192	0.128								
255193	0.209								
255194	0.068								
255195	0.075								
255196	< 0.005								
255197	0.275								
255198	0.152								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255199	0.175								
255200	0.021								
255201	0.042								
255202	< 0.005								
255203	< 0.005								
255204	0.240								
255205	0.145								
255206	0.074								
255207	0.132								
255208	0.061								
255209	0.070								
255210	0.057								
255211	0.070								
255212	0.474								
255213	0.138								
255214	0.335								
255215	0.059								
255216	0.048								
255217	0.079								
255218	0.102								
255219	0.108								
255220	0.082								
255221	0.125								
255222	0.173								
255223	0.157								
255224	< 0.005								
255225	0.083								
255226	0.228								
255227	0.135								
255228	0.147								
255229	0.638								
255230	1.906								
255231	0.270								
255232	0.091								
255233	0.039								
255234	0.018								
255235	0.009								
255236	0.692								
255237	0.014								
255238	0.026								
255239	0.111								
255240	0.036								
255241	0.057								
255242	0.048								
255243	0.030								
255244	0.021								
255245	0.044								
255246	0.024								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255247	0.010								
255248	< 0.005								
255249	0.574								
255250	0.115								
255251	0.023								
255252	0.029								
255253	0.056								
255254	0.160								
255255	0.080								
255256	0.040								
255257	0.377								
255258	0.251								
255259	1.365								
255260	0.220								
255261	4.365	4.91							
255262	0.702								
255263	0.518								
255264	0.102								
255265	0.090								
255266	0.150								
255267	0.273								
255268	0.268								
255269	0.163								
255270	0.176								
255271	0.506								
255272	< 0.005								
255273	2.934								
255274	> 5.000	14.2	59.0	1.75	1.70	7.71	50.72	434.83	485.55
255275	0.283								
255276	0.461								
255277	0.999								
255278	0.353								
255279	1.631								
255280	2.506								
255281	1.058								
255282	0.816								
255283	0.748								
255284	1.438								
255285	0.997								
255286	0.374								
255287	1.238								
255288	0.609								
255289	0.210								
255290	0.161								
255291	1.087								
255292	2.032								
255293	2.257								
255294	1.301								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255295	0.647								
255296	< 0.005								
255297	0.362								
255298	1.378								
255299	> 5.000	8.13	2.99	8.37	7.93	7.55	56.43	430.46	486.89
255300	0.366								
255301	> 5.000	4.93	7.06	6.09	7.61	6.87	49.55	435.55	485.10
255302	1.513								
255303	0.950								
255304	0.645								
255305	2.386								
255306	> 5.000	7.57	48.2	5.65	5.18	9.52	46.41	438.59	485.00
255307	4.458	4.47	25.6	4.06	5.57	6.78	45.54	436.23	481.77
255308	4.620	3.49							
255309	1.016								
255310	3.682	3.47							
255311	0.553								
255312	0.464								
255313	> 5.000	6.87	54.6	4.15	3.57	8.90	47.93	434.95	482.88
255314	0.366								
255315	1.497								
255316	0.632								
255317	1.349								
255318	0.955								
255319	0.175								
255320	0.053								
255321	0.736								
255322	0.595								
255323	0.958								
255324	< 0.005								
255325	1.255								
255326	> 5.000	8.09	6.98	4.15	3.85	4.30	48.31	431.47	479.78
255327	> 5.000	20.7	168	24.3	26.9	41.3	53.32	431.84	485.16
255328	> 5.000	9.27	36.1	5.04	5.09	7.64	40.30	444.16	484.46
255329	0.930								
255330	1.998								
255331	0.212								
255332	0.241								
255333	0.192								
255334	0.285								
255335	1.572								
255336	0.683								
255337	1.542								
255338	1.728								
255339	1.355								
255340	2.577								
255341	1.995								
255342	0.324								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255343	1.938								
255344	1.111								
255345	1.192								
255346	0.594								
255347	1.109								
255348	< 0.005								
255349	0.504								
255350	0.600								
255351	0.452								
255352	2.885								
255353	0.101								
255354	0.057								
255355	0.188								
255356	0.439								
255357	0.201								
255358	1.511								
255359	1.073								
255360	0.221								
255361	0.671								
255362	1.576								
255363	0.477								
255364	1.341								
255365	0.470								
255366	1.156								
255367	2.679								
255368	0.730								
255369	1.920								
255370	0.867								
255371	1.247								
255372	< 0.005								
255373	0.254								
255374	0.452								
255375	0.218								
255376	0.173								
255377	1.106								
255378	1.153								
255379	0.247								
255380	0.499								
255381	0.803								
255382	0.517								
255383	1.603								
255384	1.409								
255385	0.881								
255386	3.075	3.85							
255387	0.842								
255388	> 5.000	8.13	21.9	2.11	2.16	4.13	47.93	426.15	474.10
255389	0.242								
255390	0.394								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255391	0.195								
255392	0.392								
255393	0.916								
255394	4.546	4.05							
255395	1.186								
255396	0.008								
255397	1.377								
255398	0.454								
255399	0.508								
255400	0.817								
255401	1.798								
255402	3.474	3.05							
255403	0.629								
255404	> 5.000	9.64	5.69	7.06	6.92	6.85	50.07	428.74	478.81
255405	0.972								
255406	0.803								
255407	1.127								
255408	1.550								
255409	0.269								
255410	1.164								
255411	> 5.000	5.23	5.30	4.31	3.78	4.14	36.62	439.13	475.75
255412	0.491								
255413	> 5.000	9.83	14.1	4.31	3.93	5.32	58.01	424.02	482.03
255414	2.047								
255415	0.667								
255416	0.464								
255417	2.567								
255418	1.418								
255419	0.108								
255420	0.341								
255421	1.066								
255422	0.234								
255423	0.653								
255424	< 0.005								
255425	0.435								
255426	0.075								
255427	1.167								
255428	0.560								
255429	1.905								
255430	4.495	4.58							
255431	0.803								
255432	0.522								
255433	1.724								
255434	1.178								
255435	1.064								
255436	0.683								
255437	1.129								
255438	1.072								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255439	1.794								
255440	0.291								
255441	1.240								
255442	0.771								
255443	0.781								
255444	1.713								
255445	1.185								
255446	1.331								
255447	1.718								
255448	< 0.005								
255449	3.662	2.96							
255450	0.782								
255451	0.763								
255452	0.319								
255453	0.354								
255454	1.083								
255455	0.672								
255456	0.993								
255457	0.470								
255458	> 5.000	10.2	25.5	0.97	1.29	3.00	37.06	445.86	482.92
255459	0.517								
255460	0.214								
255461	0.365								
255462	1.873								
255463	1.346								
255464	0.672								
255465	0.378								
255466	1.717								
255467	0.468								
255468	1.440								
255469	0.891								
255470	0.722								
255471	0.545								
255472	< 0.005								
255473	0.298								
255474	0.346								
255475	0.608								
255476	0.384								
255477	0.040								
255478	0.597								
255479	0.615								
255480	0.895								
255481	< 0.005								
255482	1.079								
255483	0.028								
255484	1.282								
255485	0.865								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.74		
SN75 Cert		8.67		
SN75 Meas		8.53		
SN75 Cert		8.67		
OREAS 218 Meas	0.506			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.533			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.511			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.528			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.516			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.517			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.527			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.526			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.530			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.527			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.543			
OREAS 218 Cert	0.531			
OREAS 257 Meas		13.9	14.3	
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		14.2	14.2	
OREAS 257 Cert		14.18	14.18	
Oreas E1336 (Fire Assay) Meas	0.511			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.498			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.499			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.505			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.496			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.500			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.492			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.491			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.508			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.493			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.513			
Oreas E1336 (Fire Assay) Cert	0.510			
255161 Orig	0.094			
255161 Dup	0.118			
255180 Orig	0.058			
255180 Dup	0.062			
255195 Orig	0.083			
255195 Dup	0.067			
255200 Split Orig PREP DUP	0.021			
255200 Split PREP DUP	0.018			
255204 Orig	0.262			
255204 Dup	0.218			
255239 Orig	0.093			
255239 Dup	0.130			
255249 Orig	0.575			
255249 Dup	0.573			
255250 Split Orig PREP DUP	0.115			
255250 Split PREP DUP	0.161			
255263 Orig	0.525			
255263 Dup	0.511			
255298 Orig	1.357			
255298 Dup	1.398			
255300 Split Orig PREP DUP	0.366			
255300 Split PREP DUP	0.432			
255317 Orig	1.442			
255317 Dup	1.257			
255332 Orig	0.204			
255332 Dup	0.277			



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank			< 0.03	
Method Blank			< 0.03	
Method Blank			< 0.03	
Method Blank			< 0.03	





Report No.: A20-11328-8-4 Acid
Report Date: 23-Nov-20
Date Submitted: 18-Sep-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

300 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
8-4 Acid Total Digestion | QOP Total Assay (Code 8-4 Acid Total Digestion Assays) | 2020-10-27 07:06:13

REPORT A20-11328-8-4 Acid

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256001	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256002	< 3	< 0.003	0.003	0.009	0.002	< 0.003	0.013	< 0.003	0.005
256003	< 3	< 0.003	0.007	0.050	0.003	< 0.003	0.011	< 0.003	0.006
256004	< 3	< 0.003	0.007	0.051	0.002	< 0.003	0.010	< 0.003	0.005
256005	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	0.004	< 0.003	0.004
256006	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	0.003	< 0.003	0.003
256007	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	0.009	< 0.003	0.003
256008	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	0.004	< 0.003	0.003
256009	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	0.003	< 0.003	0.002
256010	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	0.003	< 0.003	0.003
256011	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	0.004	< 0.003	0.003
256012	< 3	< 0.003	< 0.003	0.775	0.003	0.022	0.004	< 0.003	0.012
256013	< 3	< 0.003	0.003	0.008	0.003	< 0.003	0.020	< 0.003	0.006
256014	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	0.005	< 0.003	0.003
256015	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256016	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256017	< 3	< 0.003	0.003	0.011	0.004	< 0.003	0.042	< 0.003	0.006
256018	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	0.008	< 0.003	0.003
256019	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256020	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256021	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256022	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256023	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256024	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256025	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256026	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256027	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256028	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256029	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256030	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256031	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256032	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256033	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256034	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256035	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
256036	< 3	< 0.003	< 0.003	0.536	0.003	0.033	0.004	< 0.003	0.009
256037	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256038	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	0.003	< 0.003	0.003
256039	< 3	< 0.003	< 0.003	0.028	0.002	< 0.003	0.004	< 0.003	0.003
256040	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.003
256041	< 3	< 0.003	0.005	0.136	0.002	< 0.003	0.049	< 0.003	0.006
256042	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	0.003
256043	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256044	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256045	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	0.013	< 0.003	0.006
256046	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.001
256047	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	< 0.001
256048	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256049	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256050	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256051	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256052	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256053	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256054	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256055	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.003
256056	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256057	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256058	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256059	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
256060	< 3	< 0.003	< 0.003	0.275	0.004	0.009	0.006	< 0.003	0.008
256061	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256062	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256063	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256064	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
256065	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256066	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	0.003	< 0.003	0.003
256067	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256068	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256069	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256070	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256071	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256072	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256073	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256074	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256075	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256076	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256077	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256078	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.008
256079	< 3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	< 0.003	0.008
256080	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.003
256081	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256082	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256083	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256084	4	< 0.003	< 0.003	1.09	0.003	0.051	0.005	0.005	0.011
256085	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256086	< 3	< 0.003	0.004	0.004	0.003	< 0.003	0.015	< 0.003	0.006
256087	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	0.004	< 0.003	0.003
256088	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.003
256089	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	0.012	< 0.003	0.003
256090	< 3	< 0.003	< 0.003	0.011	0.003	< 0.003	0.016	< 0.003	0.004
256091	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
256092	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256093	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256094	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256095	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256096	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256097	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.003
256098	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
256099	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256100	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256101	< 3	< 0.003	< 0.003	0.011	0.003	0.010	0.006	< 0.003	0.004
256102	< 3	< 0.003	< 0.003	0.032	0.002	< 0.003	< 0.003	< 0.003	0.003
256103	< 3	< 0.003	< 0.003	0.020	0.002	< 0.003	0.004	< 0.003	0.003
256104	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256105	< 3	< 0.003	< 0.003	0.019	0.002	< 0.003	< 0.003	< 0.003	0.002
256106	< 3	< 0.003	< 0.003	0.038	0.002	< 0.003	< 0.003	< 0.003	0.002
256107	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.002
256108	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256109	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256110	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256111	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256112	< 3	< 0.003	< 0.003	0.761	0.003	0.024	0.004	< 0.003	0.011
256113	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	< 0.001
256114	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256115	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
256116	< 3	< 0.003	< 0.003	< 0.001	0.005	< 0.003	0.020	< 0.003	0.005
256117	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
256118	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.001
256119	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.002
256120	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.001
256121	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
256122	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.001
256123	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
256124	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256125	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	0.002
256126	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	< 0.001
256127	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	< 0.001
256128	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256129	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256130	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.001
256131	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256132	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256133	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256134	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.001
256135	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.001
256136	< 3	< 0.003	< 0.003	0.536	0.003	0.030	0.003	< 0.003	0.008
256137	< 3	< 0.003	< 0.003	0.018	0.002	< 0.003	< 0.003	< 0.003	0.002
256138	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256139	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.001
256140	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.001
256141	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.001
256142	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	< 0.001
256143	< 3	< 0.003	< 0.003	0.075	0.001	< 0.003	< 0.003	< 0.003	0.002
256144	< 3	< 0.003	< 0.003	0.089	0.001	< 0.003	< 0.003	< 0.003	0.002
256145	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256146	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.003
256147	< 3	< 0.003	0.005	0.012	0.002	< 0.003	0.094	< 0.003	0.008
256148	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256149	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256150	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256151	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	0.004	< 0.003	0.002
256152	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	0.004	< 0.003	0.003
256153	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256154	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256155	< 3	< 0.003	< 0.003	0.002	0.003	< 0.003	< 0.003	< 0.003	0.004
256156	< 3	< 0.003	< 0.003	0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
256157	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256158	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256159	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256160	< 3	< 0.003	< 0.003	0.280	0.004	0.008	0.005	< 0.003	0.008
256161	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256162	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.005
256163	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256164	< 3	< 0.003	< 0.003	0.027	0.002	< 0.003	0.003	< 0.003	0.003
256165	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256166	< 3	< 0.003	0.003	< 0.001	0.004	< 0.003	0.013	< 0.003	0.008
256167	< 3	< 0.003	0.005	0.004	0.003	< 0.003	0.016	< 0.003	0.008
256168	< 3	< 0.003	0.005	0.007	0.003	< 0.003	0.016	< 0.003	0.008
256169	< 3	< 0.003	0.004	< 0.001	0.005	< 0.003	0.015	< 0.003	0.010
256170	< 3	< 0.003	0.004	< 0.001	0.005	< 0.003	0.014	< 0.003	0.009
256171	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.003
256172	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256173	< 3	< 0.003	< 0.003	0.045	0.002	< 0.003	0.004	< 0.003	0.003
256174	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256175	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256176	< 3	< 0.003	< 0.003	0.286	0.001	< 0.003	< 0.003	< 0.003	0.003
256177	< 3	< 0.003	< 0.003	0.145	0.006	< 0.003	< 0.003	< 0.003	0.012
256178	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
256179	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	0.001
256180	< 3	< 0.003	< 0.003	0.028	0.003	< 0.003	0.004	< 0.003	0.005
256181	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.002
256182	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.002
256183	< 3	< 0.003	0.010	0.112	0.003	< 0.003	0.007	< 0.003	0.010
256184	4	< 0.003	< 0.003	1.09	0.003	0.048	0.003	0.005	0.010
256185	< 3	< 0.003	< 0.003	0.051	0.002	< 0.003	0.004	< 0.003	0.005
256186	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.062
256187	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	0.286
256188	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.205
256189	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.017
256190	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	0.010
256191	< 3	< 0.003	< 0.003	0.103	0.003	< 0.003	< 0.003	< 0.003	0.002
256192	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.001
256193	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	< 0.001
256194	< 3	< 0.003	< 0.003	0.203	< 0.001	< 0.003	< 0.003	< 0.003	0.007
256195	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	0.007	< 0.003	0.004
256196	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256197	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256198	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.007

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256199	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.004
256200	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.003
256201	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256202	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
256203	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	0.004
256204	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256205	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256206	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256207	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.004
256208	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
256209	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256210	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256211	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256212	< 3	< 0.003	< 0.003	0.789	0.004	0.020	0.003	< 0.003	0.011
256213	< 3	< 0.003	0.009	0.108	0.002	< 0.003	< 0.003	< 0.003	0.006
256214	< 3	< 0.003	< 0.003	0.050	0.001	< 0.003	< 0.003	< 0.003	0.008
256215	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256216	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	0.007
256217	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256218	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256219	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.006
256220	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.003
256221	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256222	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256223	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.005
256224	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256225	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.003
256226	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256227	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256228	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256229	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256230	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.004
256231	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256232	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256233	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256234	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	0.004	< 0.003	0.001
256235	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256236	< 3	< 0.003	< 0.003	0.528	0.003	0.033	0.004	< 0.003	0.008
256237	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256238	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256239	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256240	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256241	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256242	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256243	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256244	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256245	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256246	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256247	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256248	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256249	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256250	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256251	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256252	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256253	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256254	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256255	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.002
256256	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256257	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256258	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256259	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256260	< 3	< 0.003	< 0.003	0.278	0.004	0.009	0.006	< 0.003	0.008
256261	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256262	< 3	< 0.003	< 0.003	0.023	0.002	< 0.003	< 0.003	< 0.003	0.014
256263	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256264	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256265	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256266	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256267	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256268	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256269	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256270	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256271	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256272	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256273	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256274	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256275	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256276	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256277	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256278	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256279	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256280	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256281	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256282	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256283	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256284	5	< 0.003	< 0.003	1.10	0.003	0.052	0.004	0.006	0.010
256285	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256286	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256287	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256288	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256289	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256290	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256291	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256292	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256293	< 3	< 0.003	< 0.003	0.090	0.001	< 0.003	< 0.003	< 0.003	0.003
256294	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256295	< 3	< 0.003	< 0.003	0.258	0.001	< 0.003	< 0.003	< 0.003	0.004
256296	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256297	< 3	< 0.003	< 0.003	0.181	< 0.001	< 0.003	< 0.003	< 0.003	0.004

**Results**

**Activation Laboratories Ltd.**

**Report: A20-11328**

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256298	< 3	< 0.003	< 0.003	0.202	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256299	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256300	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.003



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	131		2.01	24.4			44.2		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	130		2.05	24.9			45.8		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.070	0.958			2.11		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.071	0.970			2.08		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.585		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.564		0.050	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.572		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07239 (NCS DC 70007) Meas			< 0.003	< 0.001		0.115	0.004	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.005		0.105	< 0.003	< 0.003	0.011
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.113	0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07238 (NCS DC 70006) Meas				0.004		1.46	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.48	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.49	0.004	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	221	0.059	0.011	0.139				13.4	18.2
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	211	0.054	0.011	0.130				13.3	17.6
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	211	0.056	0.011	0.134				13.5	17.7
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	48	0.053		3.12		0.025		2.08	16.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	49	0.055		3.06		0.029		2.12	16.9

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	50	0.053		3.14		0.027		2.17	16.8
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.006	6.13				0.016	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	20		0.007	6.15				0.013	0.063
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.12				0.014	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	47		0.013	15.0				0.032	0.136
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.9				0.032	0.133
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.218				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.222				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.217				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.87				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.85				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.85				
NCS DC86314 Cert					1.81				
CZN-4 Meas	50	0.260	0.010	0.413				0.178	55.4
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	52	0.256	0.010	0.405				0.187	56.0
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	51	0.258	0.010	0.404				0.182	54.9
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B					7.90				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Meas									
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.82				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.07				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	53		0.317	7.72			11.5	0.081	0.213
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.315	7.83			11.1	0.082	0.207
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.313	7.74			11.3	0.081	0.207
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	204	0.008	0.031	23.1				0.687	3.01
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	206	0.007	0.031	23.1				0.710	3.05
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	208	0.008	0.032	23.0				0.707	3.00
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	3.89				0.010	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	12		0.006	3.89				0.012	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.006	3.87				0.009	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
256013 Orig	< 3	< 0.003	0.003	0.008	0.003	< 0.003	0.020	< 0.003	0.006
256013 Dup	< 3	< 0.003	0.003	0.008	0.003	< 0.003	0.020	< 0.003	0.006
256026 Orig	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256026 Dup	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256034 Orig	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256034 Dup	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256050 Split PREP DUP	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256059 Orig	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
256059 Dup	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256067 Orig	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256067 Dup	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256092 Orig	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256092 Dup	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256100 Split PREP DUP	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256125 Orig	< 3	< 0.003	< 0.003	0.022	0.002	< 0.003	< 0.003	< 0.003	0.001
256125 Dup	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	0.002
256138 Orig	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256138 Dup	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256146 Orig	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.003
256146 Dup	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.003
256150 Split PREP DUP	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256171 Orig	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.003
256171 Dup	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.004
256179 Orig	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	0.001
256179 Dup	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	0.002
256200 Split PREP DUP	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256204 Orig	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.004
256204 Dup	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256212 Orig	< 3	< 0.003	< 0.003	0.786	0.004	0.020	0.003	< 0.003	0.011
256212 Dup	< 3	< 0.003	< 0.003	0.791	0.004	0.020	0.004	< 0.003	0.010
256237 Orig	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256237 Dup	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256250 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256250 Split PREP DUP	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256250 Orig	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256250 Dup	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256258 Orig	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256258 Dup	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256300 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256300 Split PREP DUP	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-11328-Au
Report Date: 27-Oct-20
Date Submitted: 18-Sep-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

300 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Description, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-11328-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256001	0.034								
256002	0.029								
256003	0.117								
256004	0.146								
256005	0.040								
256006	0.101								
256007	0.403								
256008	0.159								
256009	0.150								
256010	0.064								
256011	0.048								
256012	0.526								
256013	0.114								
256014	0.036								
256015	0.127								
256016	0.206								
256017	0.120								
256018	0.083								
256019	0.016								
256020	0.067								
256021	0.051								
256022	0.045								
256023	0.013								
256024	< 0.005								
256025	0.025								
256026	2.210								
256027	1.894								
256028	0.213								
256029	0.079								
256030	0.098								
256031	0.080								
256032	0.019								
256033	0.014								
256034	0.017								
256035	0.018								
256036	0.688								
256037	0.021								
256038	0.056								
256039	0.357								
256040	0.006								
256041	0.334								
256042	1.159								
256043	0.021								
256044	0.021								
256045	0.078								
256046	0.106								
256047	0.042								
256048	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256049	0.064								
256050	0.042								
256051	0.047								
256052	0.044								
256053	0.025								
256054	0.024								
256055	0.030								
256056	0.087								
256057	0.019								
256058	0.045								
256059	0.020								
256060	0.217								
256061	< 0.005								
256062	0.036								
256063	0.059								
256064	0.080								
256065	0.033								
256066	0.183								
256067	0.013								
256068	0.084								
256069	0.075								
256070	0.040								
256071	0.080								
256072	< 0.005								
256073	0.088								
256074	0.047								
256075	0.079								
256076	0.015								
256077	0.043								
256078	0.069								
256079	0.085								
256080	0.113								
256081	0.015								
256082	0.021								
256083	0.151								
256084	1.417								
256085	0.135								
256086	0.009								
256087	0.093								
256088	0.022								
256089	0.037								
256090	0.019								
256091	0.025								
256092	0.067								
256093	0.038								
256094	0.027								
256095	0.031								
256096	0.008								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256097	0.024								
256098	0.012								
256099	0.008								
256100	0.013								
256101	0.024								
256102	0.034								
256103	0.035								
256104	0.039								
256105	0.021								
256106	0.048								
256107	0.046								
256108	0.037								
256109	0.018								
256110	0.013								
256111	0.009								
256112	0.473								
256113	0.072								
256114	0.015								
256115	0.092								
256116	0.334								
256117	0.061								
256118	0.012								
256119	0.011								
256120	0.019								
256121	0.055								
256122	0.156								
256123	0.134								
256124	< 0.005								
256125	0.085								
256126	0.447								
256127	0.068								
256128	0.194								
256129	0.172								
256130	0.091								
256131	0.071								
256132	0.023								
256133	0.030								
256134	0.127								
256135	3.815	3.93							
256136	0.682								
256137	0.046								
256138	0.067								
256139	0.015								
256140	0.069								
256141	0.235								
256142	0.065								
256143	0.203								
256144	0.220								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256145	0.158								
256146	0.259								
256147	0.215								
256148	< 0.005								
256149	0.029								
256150	0.077								
256151	0.044								
256152	0.102								
256153	0.096								
256154	0.060								
256155	0.026								
256156	0.020								
256157	0.066								
256158	0.055								
256159	0.124								
256160	0.216								
256161	0.789								
256162	0.152								
256163	0.166								
256164	0.269								
256165	0.532								
256166	0.024								
256167	0.021								
256168	0.021								
256169	0.011								
256170	0.014								
256171	0.029								
256172	< 0.005								
256173	0.107								
256174	0.048								
256175	0.284								
256176	0.481								
256177	0.151								
256178	0.072								
256179	0.431								
256180	0.204								
256181	0.105								
256182	0.101								
256183	0.045								
256184	1.411								
256185	0.956								
256186	0.126								
256187	0.326								
256188	0.384								
256189	0.160								
256190	0.102								
256191	0.270								
256192	0.015								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256193	0.022								
256194	0.439								
256195	1.765								
256196	< 0.005								
256197	0.234								
256198	0.046								
256199	0.108								
256200	0.152								
256201	0.025								
256202	0.481								
256203	0.028								
256204	0.531								
256205	0.143								
256206	0.058								
256207	0.532								
256208	0.036								
256209	0.121								
256210	0.096								
256211	0.056								
256212	0.472								
256213	1.083								
256214	0.348								
256215	0.186								
256216	0.661								
256217	< 0.005								
256218	0.178								
256219	0.093								
256220	0.241								
256221	0.355								
256222	0.166								
256223	0.109								
256224	< 0.005								
256225	0.046								
256226	0.030								
256227	0.019								
256228	0.048								
256229	0.047								
256230	0.026								
256231	0.100								
256232	0.089								
256233	0.196								
256234	0.125								
256235	0.014								
256236	0.644								
256237	0.034								
256238	0.058								
256239	0.033								
256240	0.035								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256241	0.299								
256242	0.037								
256243	0.138								
256244	0.018								
256245	0.024								
256246	0.053								
256247	0.006								
256248	< 0.005								
256249	0.019								
256250	0.029								
256251	0.214								
256252	0.050								
256253	0.099								
256254	0.086								
256255	0.038								
256256	0.125								
256257	0.038								
256258	0.157								
256259	0.140								
256260	0.217								
256261	0.234								
256262	0.089								
256263	0.116								
256264	0.088								
256265	0.020								
256266	0.014								
256267	0.021								
256268	0.061								
256269	0.015								
256270	< 0.005								
256271	0.016								
256272	< 0.005								
256273	0.040								
256274	0.102								
256275	0.082								
256276	0.044								
256277	0.176								
256278	0.066								
256279	0.010								
256280	0.012								
256281	> 5.000	24.4	91.2	4.41	3.99	9.41	29.97	470.57	500.54
256282	0.032								
256283	0.041								
256284	1.417								
256285	0.018								
256286	0.137								
256287	0.049								
256288	0.034								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256289	0.409								
256290	0.106								
256291	0.568								
256292	0.280								
256293	0.725								
256294	0.834								
256295	3.298	3.84							
256296	0.005								
256297	1.701								
256298	2.647								
256299	0.699								
256300	1.030								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.47		
SN75 Cert		8.67		
SN75 Meas		8.73		
SN75 Cert		8.67		
OREAS 218 Meas	0.511			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.546			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.552			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.521			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.536			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.540			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.534			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.557			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.543			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.549			
OREAS 218 Cert	0.531			
OREAS 257 Meas		14.0	14.0	
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		14.7		
OREAS 257 Cert		14.18		
Oreas E1336 (Fire Assay) Meas	0.497			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.508			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.515			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.499			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.509			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.519			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.518			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Assay) Meas				
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.509			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.523			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.512			
Oreas E1336 (Fire Assay) Cert	0.510			
256020 Orig	0.056			
256020 Dup	0.077			
256030 Orig	0.088			
256030 Dup	0.109			
256045 Orig	0.075			
256045 Dup	0.080			
256050 Split Orig PREP DUP	0.042			
256050 Split PREP DUP	0.034			
256054 Orig	0.020			
256054 Dup	0.028			
256064 Orig	0.086			
256064 Dup	0.073			
256089 Orig	0.044			
256089 Dup	0.030			
256099 Orig	0.010			
256099 Dup	0.006			
256100 Split Orig PREP DUP	0.013			
256100 Split PREP DUP	0.005			
256113 Orig	0.065			
256113 Dup	0.078			
256123 Orig	0.134			
256123 Dup	0.135			
256133 Orig	0.024			
256133 Dup	0.035			
256148 Orig	< 0.005			
256148 Dup	< 0.005			
256150 Split Orig PREP DUP	0.077			
256150 Split PREP DUP	0.050			
256157 Orig	0.075			
256157 Dup	0.056			
256167 Orig	0.022			
256167 Dup	0.021			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
256192 Orig	0.022			
256192 Dup	0.008			
256200 Split Orig PREP DUP	0.152			
256200 Split PREP DUP	0.166			
256201 Orig	0.027			
256201 Dup	0.024			
256216 Orig	0.661			
256226 Orig	0.034			
256226 Dup	0.025			
256237 Orig	0.039			
256237 Dup	0.030			
256250 Split Orig PREP DUP	0.029			
256250 Split PREP DUP	0.024			
256250 Split PREP DUP	0.024			
256261 Orig	0.249			
256261 Dup	0.218			
256270 Orig	0.005			
256270 Dup	< 0.005			
256281 Orig			9.41	500.54
256285 Orig	0.022			
256285 Dup	0.014			
256300 Split Orig PREP DUP	1.030			
256300 Split PREP DUP	1.067			
256300 Orig	1.073			
256300 Dup	0.988			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank		< 0.02		
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank			< 0.03	
Method Blank			< 0.03	
Method Blank		< 0.02		
Method Blank		< 0.02		





Report No.: A20-11683-8-4Acid
Report Date: 25-Jan-21
Date Submitted: 25-Sep-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

166 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
8-4 Acid Total Digestion | QOP Total Assay (Code 8-4 Acid Total Digestion Assays) | 2020-11-16 11:42:07

REPORT A20-11683-8-4Acid

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256301	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256302	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256303	< 3	< 0.003	< 0.003	0.085	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256304	< 3	< 0.003	0.007	0.043	< 0.001	< 0.003	0.049	< 0.003	0.010
256305	< 3	< 0.003	0.005	0.015	< 0.001	< 0.003	0.008	< 0.003	0.010
256306	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256307	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256308	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256309	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256310	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256311	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256312	< 3	< 0.003	< 0.003	0.786	0.002	0.025	0.004	< 0.003	0.011
256313	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256314	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256315	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256316	< 3	< 0.003	< 0.003	0.085	< 0.001	< 0.003	< 0.003	0.006	0.024
256317	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	0.003	0.015
256318	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256319	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	0.003	0.012
256320	< 3	< 0.003	< 0.003	0.152	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256321	< 3	< 0.003	< 0.003	0.089	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256322	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256323	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256324	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256325	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256326	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256327	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256328	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256329	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256330	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256331	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256332	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256333	< 3	< 0.003	< 0.003	0.145	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256334	< 3	< 0.003	< 0.003	0.213	< 0.001	< 0.003	< 0.003	< 0.003	0.007
256335	< 3	< 0.003	< 0.003	0.198	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256336	< 3	< 0.003	< 0.003	0.539	0.002	0.034	0.004	< 0.003	0.009
256337	< 3	< 0.003	< 0.003	0.224	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256338	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256339	6	< 0.003	< 0.003	0.131	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256340	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256341	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256342	< 3	< 0.003	< 0.003	0.178	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256343	< 3	< 0.003	< 0.003	0.141	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256344	< 3	< 0.003	< 0.003	0.200	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256345	< 3	< 0.003	< 0.003	0.169	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256346	< 3	< 0.003	< 0.003	0.166	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256347	3	< 0.003	< 0.003	0.244	< 0.001	< 0.003	< 0.003	< 0.003	0.011
256348	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256349	< 3	< 0.003	< 0.003	0.201	< 0.001	< 0.003	< 0.003	< 0.003	0.012

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256350	4	< 0.003	< 0.003	0.177	< 0.001	< 0.003	< 0.003	< 0.003	0.015
256351	< 3	< 0.003	< 0.003	0.168	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256352	< 3	< 0.003	< 0.003	0.164	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256353	< 3	< 0.003	< 0.003	0.126	0.001	< 0.003	< 0.003	< 0.003	0.011
256354	< 3	< 0.003	< 0.003	0.187	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256355	< 3	< 0.003	< 0.003	0.109	0.001	< 0.003	0.003	< 0.003	0.006
256356	5	< 0.003	< 0.003	0.206	< 0.001	< 0.003	< 0.003	< 0.003	0.008
256357	< 3	< 0.003	< 0.003	0.253	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256358	< 3	< 0.003	< 0.003	0.179	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256359	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256360	< 3	< 0.003	< 0.003	0.276	0.002	0.010	0.006	< 0.003	0.008
256361	< 3	< 0.003	< 0.003	0.091	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256362	< 3	< 0.003	0.003	0.007	0.005	< 0.003	0.004	< 0.003	0.008
256363	< 3	< 0.003	< 0.003	0.180	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256364	3	< 0.003	< 0.003	0.328	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256365	< 3	< 0.003	< 0.003	0.298	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256366	< 3	< 0.003	< 0.003	0.006	0.003	< 0.003	< 0.003	< 0.003	0.006
256367	< 3	< 0.003	< 0.003	0.008	0.003	< 0.003	< 0.003	< 0.003	0.006
256368	< 3	< 0.003	< 0.003	0.119	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256369	4	< 0.003	< 0.003	0.300	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256370	4	< 0.003	< 0.003	0.325	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256371	< 3	< 0.003	< 0.003	0.244	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256372	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256373	< 3	< 0.003	0.003	0.013	0.004	< 0.003	0.004	< 0.003	0.009
256374	< 3	< 0.003	0.004	0.008	0.004	< 0.003	0.004	< 0.003	0.009
256375	4	< 0.003	< 0.003	0.351	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256376	5	< 0.003	< 0.003	0.354	< 0.001	< 0.003	< 0.003	< 0.003	0.009
256377	3	< 0.003	< 0.003	0.197	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256378	9	< 0.003	< 0.003	0.805	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256379	9	< 0.003	< 0.003	0.548	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256380	5	< 0.003	< 0.003	0.391	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256381	< 3	< 0.003	< 0.003	0.262	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256382	5	< 0.003	< 0.003	0.482	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256383	4	< 0.003	< 0.003	0.413	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256384	4	< 0.003	< 0.003	1.06	0.001	0.054	0.005	0.005	0.011
256385	3	< 0.003	< 0.003	0.433	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256386	3	< 0.003	< 0.003	0.386	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256387	4	< 0.003	< 0.003	0.427	< 0.001	< 0.003	< 0.003	< 0.003	0.012
256388	3	< 0.003	< 0.003	0.136	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256389	5	< 0.003	< 0.003	0.202	< 0.001	< 0.003	< 0.003	< 0.003	0.007
256390	4	< 0.003	< 0.003	0.210	< 0.001	< 0.003	< 0.003	< 0.003	0.007
256391	< 3	< 0.003	< 0.003	0.216	< 0.001	< 0.003	< 0.003	< 0.003	0.007
256392	3	< 0.003	< 0.003	0.602	< 0.001	< 0.003	< 0.003	< 0.003	0.013
256393	< 3	< 0.003	< 0.003	0.089	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256394	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256395	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256396	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256397	7	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256398	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256399	< 3	< 0.003	< 0.003	0.143	< 0.001	< 0.003	< 0.003	< 0.003	0.006

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256400	< 3	< 0.003	< 0.003	0.183	< 0.001	< 0.003	< 0.003	< 0.003	0.008
256401	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256402	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.008
256403	< 3	< 0.003	< 0.003	0.227	< 0.001	< 0.003	< 0.003	< 0.003	0.018
256404	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.008
256405	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.007
256406	< 3	< 0.003	< 0.003	0.120	< 0.001	< 0.003	< 0.003	< 0.003	0.010
256407	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.008
256408	< 3	< 0.003	< 0.003	0.067	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256409	< 3	< 0.003	< 0.003	0.128	< 0.001	< 0.003	< 0.003	< 0.003	0.102
256410	< 3	< 0.003	< 0.003	0.115	< 0.001	< 0.003	< 0.003	< 0.003	0.106
256411	< 3	< 0.003	< 0.003	0.086	0.002	< 0.003	< 0.003	< 0.003	0.011
256412	< 3	< 0.003	< 0.003	0.797	0.004	0.023	0.005	< 0.003	0.011
256413	6	< 0.003	< 0.003	0.219	0.002	< 0.003	< 0.003	< 0.003	0.018
256414	4	< 0.003	< 0.003	0.192	0.002	< 0.003	< 0.003	< 0.003	0.018
256415	6	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.006
256416	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.010
256417	< 3	< 0.003	< 0.003	0.044	0.002	< 0.003	< 0.003	< 0.003	0.006
256418	< 3	< 0.003	< 0.003	0.085	0.002	< 0.003	< 0.003	< 0.003	0.023
256419	< 3	< 0.003	< 0.003	0.063	0.002	< 0.003	< 0.003	< 0.003	0.014
256420	< 3	< 0.003	< 0.003	0.108	0.002	< 0.003	< 0.003	< 0.003	0.002
256421	3	< 0.003	< 0.003	0.214	0.002	< 0.003	< 0.003	< 0.003	0.003
256422	< 3	< 0.003	0.003	0.150	0.004	< 0.003	0.003	< 0.003	0.017
256423	< 3	< 0.003	< 0.003	0.117	0.003	< 0.003	< 0.003	< 0.003	0.003
256424	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256425	< 3	< 0.003	< 0.003	0.108	0.002	< 0.003	< 0.003	< 0.003	0.006
256426	< 3	< 0.003	< 0.003	0.003	0.003	< 0.003	< 0.003	< 0.003	0.010
256427	< 3	< 0.003	0.003	0.005	0.004	< 0.003	0.004	< 0.003	0.013
256428	< 3	< 0.003	< 0.003	0.116	0.002	< 0.003	< 0.003	< 0.003	0.005
256429	< 3	< 0.003	< 0.003	0.034	0.002	< 0.003	< 0.003	< 0.003	0.003
256430	< 3	< 0.003	< 0.003	0.031	0.002	< 0.003	< 0.003	< 0.003	0.002
256431	< 3	< 0.003	< 0.003	0.121	0.002	< 0.003	< 0.003	< 0.003	0.006
256432	< 3	< 0.003	< 0.003	0.134	0.002	< 0.003	< 0.003	< 0.003	0.007
256433	< 3	< 0.003	< 0.003	0.140	0.002	< 0.003	< 0.003	< 0.003	0.006
256434	< 3	< 0.003	< 0.003	0.169	0.002	< 0.003	< 0.003	< 0.003	0.006
256435	< 3	< 0.003	< 0.003	0.196	0.002	< 0.003	< 0.003	< 0.003	0.007
256436	< 3	< 0.003	< 0.003	0.541	0.004	0.028	0.005	< 0.003	0.008
256437	< 3	< 0.003	< 0.003	0.146	0.001	< 0.003	< 0.003	< 0.003	0.006
256438	< 3	< 0.003	< 0.003	0.118	0.002	< 0.003	< 0.003	< 0.003	0.004
256439	< 3	< 0.003	< 0.003	0.140	0.001	< 0.003	< 0.003	< 0.003	0.005
256440	< 3	< 0.003	< 0.003	0.222	0.002	< 0.003	< 0.003	< 0.003	0.008
256441	< 3	< 0.003	< 0.003	0.297	0.001	< 0.003	< 0.003	< 0.003	0.011
256442	< 3	< 0.003	< 0.003	0.308	0.002	< 0.003	< 0.003	< 0.003	0.005
256443	< 3	< 0.003	< 0.003	0.390	0.002	< 0.003	< 0.003	< 0.003	0.006
256444	3	< 0.003	< 0.003	0.562	0.001	< 0.003	< 0.003	< 0.003	0.014
256445	3	< 0.003	< 0.003	0.553	< 0.001	< 0.003	< 0.003	< 0.003	0.012
256446	< 3	< 0.003	< 0.003	0.271	< 0.001	< 0.003	< 0.003	< 0.003	0.009
256447	4	< 0.003	< 0.003	0.520	< 0.001	< 0.003	< 0.003	< 0.003	0.010
256448	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256449	6	< 0.003	< 0.003	0.661	< 0.001	< 0.003	< 0.003	< 0.003	0.010
256450	5	< 0.003	< 0.003	0.601	< 0.001	< 0.003	< 0.003	< 0.003	0.010
256451	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256452	< 3	< 0.003	< 0.003	0.136	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256453	< 3	< 0.003	< 0.003	0.188	< 0.001	< 0.003	< 0.003	< 0.003	0.008
256454	< 3	< 0.003	< 0.003	0.132	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256455	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256456	< 3	< 0.003	< 0.003	0.168	< 0.001	< 0.003	< 0.003	< 0.003	0.007
256457	< 3	< 0.003	< 0.003	0.102	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256458	< 3	< 0.003	< 0.003	0.084	0.001	< 0.003	< 0.003	< 0.003	0.004
256459	< 3	< 0.003	< 0.003	0.138	0.001	< 0.003	< 0.003	< 0.003	0.005
256460	< 3	< 0.003	< 0.003	0.274	0.004	0.009	0.006	< 0.003	0.008
256461	< 3	< 0.003	< 0.003	0.236	0.001	< 0.003	< 0.003	< 0.003	0.007
256462	< 3	< 0.003	< 0.003	0.156	0.001	< 0.003	< 0.003	< 0.003	0.005
256463	< 3	< 0.003	< 0.003	0.191	0.001	< 0.003	< 0.003	< 0.003	0.005
256464	< 3	< 0.003	< 0.003	0.150	0.002	< 0.003	< 0.003	< 0.003	0.006
256465	3	< 0.003	< 0.003	0.075	0.002	< 0.003	< 0.003	< 0.003	0.004
256466	< 3	< 0.003	< 0.003	0.134	0.001	< 0.003	< 0.003	< 0.003	0.005

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	129		2.09	24.8			45.4		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	130		2.08	23.1			46.4		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	130		2.08	23.1			46.4		
PTM-1a Cert	135		2.05	24.96			47.44		
CCU-1C Meas				25.1					3.93
CCU-1C Cert				25.6					3.99
OREAS 14P Meas			0.070	0.916			2.09		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.951			2.14		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.951			2.14		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.566		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.576		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.576		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.568		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.112	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.112	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07239 (NCS DC 70007) Meas			< 0.003	0.004		0.109	< 0.003	< 0.003	0.012
GBW 07239 (NCS DC 70007) Cert			0.00135	0.005		0.110	0.00209	0.003	0.012
GBW 07238 (NCS DC 70006) Meas				0.011		1.45	0.004	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.008		1.45	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.008		1.45	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.46	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4	211	0.057	0.010	0.132				13.5	17.8

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
ACID) Meas									
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	211	0.057	0.011	0.132				13.1	17.5
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	211	0.057	0.011	0.132				13.1	17.5
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	206	0.055	0.011	0.130				13.2	17.5
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	48	0.052		3.03		0.028		2.08	16.5
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	50	0.053		3.10		0.025		2.11	16.7
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	50	0.053		3.10		0.025		2.11	16.7
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	49	0.055		3.05		0.031		2.14	17.0
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.006	6.06				0.013	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.47				0.015	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.47				0.015	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.22				0.014	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	45		0.012	14.8				0.032	0.137
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.013	14.8				0.033	0.134
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.013	14.8				0.033	0.134
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	47		0.013	14.7				0.033	0.132
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86303 Meas					0.221				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.217				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.217				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.216				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.90				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.84				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.84				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
CZN-4 Meas	50	0.260	0.009	0.402				0.182	55.0
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.260	0.010	0.405				0.175	54.4
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.260	0.010	0.405				0.175	54.4
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.253	0.009	0.406				0.187	55.6
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.83				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.96				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium					7.96				



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Tetraborate FX-LT 100 lot#220610B Meas									
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.77				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	52		0.325	7.79			11.4	0.082	0.210
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	54		0.324	7.79			11.7	0.079	0.207
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	54		0.324	7.79			11.7	0.079	0.207
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.325	7.85			11.0	0.082	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	206	0.008	0.032	22.8				0.688	3.01
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	206	0.008	0.032	22.8				0.688	3.01
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	208	0.007	0.032	23.2				0.712	3.03
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	3.88				0.008	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.006	3.85				0.011	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.006	3.85				0.011	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.83				0.011	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 352 4-Acid Meas	9	0.005		0.061				51.9	2.30
OREAS 352 4-Acid Cert	9	0.006		0.064				51.9	2.21
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.154	0.006	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
256313 Orig	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256313 Dup	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256326 Orig	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256326 Dup	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256334 Orig	< 3	< 0.003	< 0.003	0.212	< 0.001	< 0.003	< 0.003	< 0.003	0.007
256334 Dup	< 3	< 0.003	< 0.003	0.215	< 0.001	< 0.003	< 0.003	< 0.003	0.008
256350 Split Orig	4	< 0.003	< 0.003	0.177	< 0.001	< 0.003	< 0.003	< 0.003	0.015
256350 Split	< 3	< 0.003	< 0.003	0.182	< 0.001	< 0.003	< 0.003	< 0.003	0.016
256358 Orig	< 3	< 0.003	< 0.003	0.182	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256358 Dup	< 3	< 0.003	< 0.003	0.177	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256366 Orig	< 3	< 0.003	< 0.003	0.006	0.003	< 0.003	0.003	< 0.003	0.006
256366 Dup	< 3	< 0.003	< 0.003	0.006	0.003	< 0.003	< 0.003	< 0.003	0.006
256391 Orig	4	< 0.003	< 0.003	0.218	< 0.001	< 0.003	< 0.003	< 0.003	0.007
256391 Dup	< 3	< 0.003	< 0.003	0.214	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256399 Orig	4	< 0.003	< 0.003	0.143	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256399 Dup	< 3	< 0.003	< 0.003	0.143	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256400 Split Orig	< 3	< 0.003	< 0.003	0.183	< 0.001	< 0.003	< 0.003	< 0.003	0.008
256400 Split	12	< 0.003	< 0.003	0.187	< 0.001	< 0.003	< 0.003	< 0.003	0.010
256423 Orig	< 3	< 0.003	< 0.003	0.115	0.003	< 0.003	< 0.003	< 0.003	0.003
256423 Dup	< 3	< 0.003	< 0.003	0.119	0.003	< 0.003	< 0.003	< 0.003	0.003
256423 Orig	< 3	< 0.003	< 0.003	0.115	0.003	< 0.003	< 0.003	< 0.003	0.003
256423 Dup	< 3	< 0.003	< 0.003	0.119	0.003	< 0.003	< 0.003	< 0.003	0.003
256436 Orig	< 3	< 0.003	< 0.003	0.532	0.004	0.028	0.005	< 0.003	0.008
256436 Dup	< 3	< 0.003	< 0.003	0.551	0.004	0.029	0.005	< 0.003	0.008
256436 Orig	< 3	< 0.003	< 0.003	0.532	0.004	0.028	0.005	< 0.003	0.008
256436 Dup	< 3	< 0.003	< 0.003	0.551	0.004	0.029	0.005	< 0.003	0.008
256444 Orig	3	< 0.003	< 0.003	0.562	0.001	< 0.003	< 0.003	< 0.003	0.013
256444 Dup	3	< 0.003	< 0.003	0.561	0.001	< 0.003	< 0.003	< 0.003	0.014
256444 Orig	3	< 0.003	< 0.003	0.562	0.001	< 0.003	< 0.003	< 0.003	0.013
256444 Dup	3	< 0.003	< 0.003	0.561	0.001	< 0.003	< 0.003	< 0.003	0.014
256450 Split Orig	5	< 0.003	< 0.003	0.601	< 0.001	< 0.003	< 0.003	< 0.003	0.010
256450 Split	5	< 0.003	< 0.003	0.601	< 0.001	< 0.003	< 0.003	< 0.003	0.011
256455 Orig	< 3	< 0.003	< 0.003	0.124	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256455 Dup	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256456 Orig	< 3	< 0.003	< 0.003	0.169	< 0.001	< 0.003	< 0.003	< 0.003	0.007
256456 Dup	< 3	< 0.003	< 0.003	0.166	< 0.001	< 0.003	< 0.003	< 0.003	0.007
256466 Orig	< 3	< 0.003	< 0.003	0.133	0.001	< 0.003	< 0.003	< 0.003	0.005
256466 Dup	< 3	< 0.003	< 0.003	0.135	0.001	< 0.003	< 0.003	< 0.003	0.004
256466 Orig	< 3	< 0.003	< 0.003	0.133	0.001	< 0.003	< 0.003	< 0.003	0.005
256466 Dup	< 3	< 0.003	< 0.003	0.135	0.001	< 0.003	< 0.003	< 0.003	0.004
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-11683-Au
Report Date: 01-Dec-20
Date Submitted: 25-Sep-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

166 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2-Timmins (ppm), 1A3-Timmins, and 1A4-1000 (100mesh)-Timmins.

REPORT A20-11683-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 1000 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
256301	2.200								
256302	2.712								
256303	1.104								
256304	0.040								
256305	0.006								
256306	0.843								
256307	0.084								
256308	0.155								
256309	0.243								
256310	0.271								
256311	0.214								
256312	0.461								
256313	0.650								
256314	0.484								
256315	0.504								
256316	0.610								
256317	0.511								
256318	0.358								
256319	0.423								
256320	1.190								
256321	0.460								
256322	0.342								
256323	0.434								
256324	< 0.005								
256325	0.455								
256326	0.294								
256327	0.128								
256328	0.284								
256329	1.383								
256330	0.605								
256331	0.147								
256332	0.648								
256333	1.056								
256334	1.468								
256335	1.891								
256336	0.689								
256337	2.702								
256338	0.886								
256339	> 5.000	4.37	4.36	4.37	4.37	33.19	460.91	494.10	7.48
256340	0.865								
256341	0.755								
256342	2.041								
256343	1.122								
256344	1.732								
256345	0.949								
256346	1.831								
256347	1.644								
256348	< 0.005								

## Results

## Activation Laboratories Ltd.

Report: A20-11683

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
256349	1.648								
256350	1.387								
256351	3.567								3.91
256352	2.454								
256353	1.024								
256354	2.164								
256355	1.500								
256356	2.616								
256357	2.263								
256358	2.134								
256359	0.790								
256360	0.229								
256361	0.719								
256362	0.027								
256363	0.930								
256364	3.522								4.36
256365	3.849								3.05
256366	0.092								
256367	0.051								
256368	0.930								
256369	1.949								
256370	1.985								
256371	1.262								
256372	< 0.005								
256373	0.013								
256374	0.006								
256375	2.536								
256376	2.424								
256377	1.824								
256378	4.448								4.33
256379	2.811								2.87
256380	1.525								
256381	1.736								
256382	3.651								3.04
256383	2.837								
256384	1.416								
256385	1.940								
256386	1.218								
256387	> 5.000	35.3	4.26	4.48	6.34	31.52	462.53	494.05	6.38
256388	1.038								
256389	0.803								
256390	0.743								
256391	1.557								
256392	1.214								
256393	1.578								
256394	0.867								
256395	> 5.000	67.3	2.92	3.12	8.68	43.47	450.67	494.14	11.4
256396	< 0.005								

## Results

## Activation Laboratories Ltd.

Report: A20-11683

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
256397	2.550								
256398	1.253								
256399	2.096								
256400	1.585								
256401	< 0.005								
256402	1.696								
256403	3.389								2.99
256404	0.538								
256405	0.343								
256406	0.360								
256407	0.363								
256408	0.768								
256409	2.154								
256410	3.778								3.23
256411	0.495								
256412	0.483								
256413	1.632								
256414	2.621								
256415	> 5.000	5.22	2.19	2.58	2.66	48.10	445.39	493.49	4.10
256416	2.832								
256417	2.467								
256418	0.955								
256419	0.473								
256420	> 5.000	55.9	9.75	10.6	14.4	43.56	431.14	474.70	13.8
256421	1.738								
256422	3.974								3.71
256423	0.666								
256424	< 0.005								
256425	2.351								
256426	0.010								
256427	< 0.005								
256428	1.236								
256429	0.173								
256430	0.572								
256431	0.170								
256432	0.228								
256433	0.124								
256434	0.298								
256435	1.527								
256436	0.708								
256437	0.525								
256438	0.785								
256439	0.823								
256440	0.392								
256441	1.387								
256442	0.699								
256443	0.926								
256444	2.568								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
256445	2.401								
256446	1.713								
256447	1.066								
256448	< 0.005								
256449	3.534								4.19
256450	2.955								3.63
256451	0.085								
256452	0.714								
256453	0.955								
256454	0.458								
256455	1.822								
256456	1.313								
256457	0.524								
256458	0.604								
256459	1.521								
256460	0.222								
256461	3.397								2.72
256462	> 5.000	67.8	3.82	3.79	8.59	36.87	456.22	493.09	7.52
256463	0.578								
256464	0.264								
256465	2.992								
256466	0.304								

Analyte Symbol	Au	Total Au	Total Weight	Au
Unit Symbol	ppm	g/mt	g	g/tonne
Lower Limit	0.005	0.03		0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA- GRA
SN75 Meas				8.55
SN75 Cert				8.67
OREAS 218 Meas	0.526			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.535			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.534			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.523			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.542			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.534			
OREAS 218 Cert	0.531			
OREAS 257 Meas		14.2		14.3
OREAS 257 Cert		14.18		14.18
Oreas E1336 (Fire Assay) Meas	0.494			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.516			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.512			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.520			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.517			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.502			
Oreas E1336 (Fire Assay) Cert	0.510			
256310 Orig	0.266			
256310 Dup	0.277			
256320 Orig	1.171			
256320 Dup	1.209			
256330 Orig	0.622			
256330 Dup	0.589			
256339 Orig		4.37	494.10	
256345 Orig	0.930			
256345 Dup	0.968			
256350 Split Orig PREP DUP	1.387			
256350 Split PREP DUP	1.486			



Analyte Symbol	Au	Total Au	Total Weight	Au
Unit Symbol	ppm	g/mt	g	g/tonne
Lower Limit	0.005	0.03		0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA- GRA
256354 Orig	2.049			
256354 Dup	2.278			
256364 Orig	3.168			
256364 Dup	3.876			
256423 Orig	0.716			
256423 Dup	0.615			
256433 Orig	0.122			
256433 Dup	0.125			
256448 Orig	0.011			
256448 Dup	< 0.005			
256450 Split Orig PREP DUP	2.955			3.63
256450 Split PREP DUP	3.366			3.49
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank				< 0.03
Method Blank				< 0.03
Method Blank	< 0.005			
Method Blank	0.268			
Method Blank		< 0.03		
Method Blank		< 0.03		



Report No.: A20-11711-8-4Acid
Report Date: 29-Dec-20
Date Submitted: 25-Sep-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

480 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
Row 1: 8-4 Acid Total Digestion | QOP Total Assay (Code 8-4 Acid Total Digestion Assays) | 2020-11-14 14:41:15

REPORT A20-11711-8-4Acid

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Notes:

CERTIFIED BY:

[Handwritten signature]

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
255486	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255487	< 3	< 0.003	< 0.003	0.022	< 0.001	0.005	< 0.003	< 0.003	0.002
255488	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255489	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255490	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255491	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255492	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255493	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255494	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255495	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255496	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
255497	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255498	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
255499	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
255500	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254501	< 3	< 0.003	< 0.003	0.039	< 0.001	0.020	< 0.003	< 0.003	0.002
254502	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254503	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254504	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254505	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254506	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254507	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254508	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254509	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254510	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254511	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.007
254512	< 3	< 0.003	< 0.003	0.780	0.002	0.021	0.004	< 0.003	0.011
254513	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	0.005	0.012
254514	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.005
254515	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.003
254516	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	0.004	0.006
254517	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254518	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254519	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254520	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254521	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254522	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254523	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254524	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254525	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254526	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254527	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254528	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254529	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254530	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254531	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254532	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254533	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254534	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
254535	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254536	< 3	< 0.003	< 0.003	0.536	0.002	0.031	0.005	< 0.003	0.009
254537	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.014
254538	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254539	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254540	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254541	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254542	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254543	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254544	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254545	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254546	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254547	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	0.007
254548	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254549	< 3	< 0.003	< 0.003	0.085	< 0.001	< 0.003	< 0.003	< 0.003	0.007
254550	< 3	< 0.003	< 0.003	0.089	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254551	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254552	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254553	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.006
254554	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	0.003	0.006
254555	< 3	< 0.003	< 0.003	0.026	< 0.001	0.064	< 0.003	< 0.003	0.004
254556	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254557	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254558	< 3	< 0.003	< 0.003	0.086	0.001	< 0.003	< 0.003	< 0.003	0.007
254559	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.006
254560	< 3	< 0.003	< 0.003	0.277	0.003	0.009	0.007	< 0.003	0.008
254561	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	0.003	0.020
254562	< 3	< 0.003	< 0.003	0.164	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254563	< 3	< 0.003	< 0.003	0.089	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254564	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254565	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254566	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254567	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254568	< 3	< 0.003	< 0.003	0.111	0.004	< 0.003	0.012	< 0.003	0.009
254569	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254570	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254571	< 3	< 0.003	< 0.003	0.171	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254572	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254573	< 3	< 0.003	< 0.003	0.267	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254574	< 3	< 0.003	< 0.003	0.220	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254575	< 3	< 0.003	< 0.003	0.226	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254576	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254577	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254578	< 3	< 0.003	< 0.003	0.116	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254579	< 3	< 0.003	< 0.003	0.110	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254580	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254581	< 3	< 0.003	< 0.003	0.121	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254582	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254583	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254584	4	< 0.003	< 0.003	1.11	0.002	0.050	0.005	0.006	0.010

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
254585	< 3	< 0.003	< 0.003	0.085	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254586	< 3	< 0.003	< 0.003	0.086	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254587	< 3	< 0.003	< 0.003	0.116	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254588	< 3	< 0.003	< 0.003	0.141	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254589	< 3	< 0.003	< 0.003	0.032	< 0.001	0.009	< 0.003	< 0.003	0.002
254590	< 3	< 0.003	< 0.003	0.066	< 0.001	0.006	< 0.003	< 0.003	0.002
254591	< 3	< 0.003	< 0.003	0.395	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254592	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254593	< 3	< 0.003	< 0.003	0.098	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254594	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254595	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254596	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254597	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.002
254598	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	0.002
254599	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.001
254600	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.002
254601	< 3	< 0.003	< 0.003	0.039	0.002	< 0.003	< 0.003	0.004	0.007
254602	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	0.002
254603	< 3	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	< 0.003	0.002
254604	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.004
254605	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.002
254606	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.002
254607	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.003
254608	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
254609	< 3	< 0.003	< 0.003	0.009	< 0.001	0.012	< 0.003	< 0.003	0.001
254610	< 3	< 0.003	< 0.003	0.009	0.002	0.004	< 0.003	< 0.003	0.001
254611	< 3	< 0.003	< 0.003	0.052	0.003	< 0.003	< 0.003	0.003	0.006
254612	< 3	< 0.003	< 0.003	0.771	0.004	0.016	0.004	< 0.003	0.011
254613	< 3	< 0.003	< 0.003	0.044	0.001	< 0.003	< 0.003	< 0.003	0.002
254614	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.001
254615	< 3	< 0.003	< 0.003	0.080	0.001	< 0.003	< 0.003	< 0.003	0.003
254616	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
254617	< 3	< 0.003	< 0.003	0.007	0.001	0.034	< 0.003	< 0.003	0.001
254618	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	< 0.001
254619	< 3	< 0.003	< 0.003	0.004	< 0.001	0.011	< 0.003	< 0.003	< 0.001
254620	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	< 0.001
254621	< 3	< 0.003	< 0.003	0.104	0.003	< 0.003	< 0.003	< 0.003	0.005
254622	< 3	< 0.003	< 0.003	0.033	0.002	< 0.003	< 0.003	< 0.003	0.001
254623	< 3	< 0.003	< 0.003	0.114	0.001	< 0.003	< 0.003	< 0.003	0.001
254624	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254625	< 3	< 0.003	< 0.003	0.070	0.002	< 0.003	< 0.003	< 0.003	0.002
254626	< 3	< 0.003	< 0.003	0.140	0.002	< 0.003	< 0.003	< 0.003	0.003
254627	< 3	< 0.003	< 0.003	0.217	0.001	< 0.003	< 0.003	< 0.003	0.003
254628	< 3	< 0.003	< 0.003	0.132	0.001	0.004	< 0.003	< 0.003	0.002
254629	4	< 0.003	< 0.003	0.413	0.002	< 0.003	< 0.003	< 0.003	0.006
254630	3	< 0.003	< 0.003	0.368	0.002	< 0.003	< 0.003	< 0.003	0.004
254631	< 3	< 0.003	< 0.003	0.147	0.001	< 0.003	< 0.003	< 0.003	0.002
254632	< 3	< 0.003	< 0.003	0.205	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254633	4	< 0.003	< 0.003	0.820	0.001	0.009	< 0.003	< 0.003	0.018

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
254634	< 3	< 0.003	< 0.003	0.287	0.001	< 0.003	< 0.003	< 0.003	0.005
254635	< 3	< 0.003	< 0.003	0.093	0.003	< 0.003	< 0.003	< 0.003	0.007
254636	< 3	< 0.003	< 0.003	0.526	0.003	0.025	0.004	0.003	0.009
254637	< 3	< 0.003	< 0.003	0.076	0.003	< 0.003	< 0.003	< 0.003	0.008
254638	< 3	< 0.003	< 0.003	0.215	0.001	< 0.003	< 0.003	< 0.003	0.003
254639	< 3	< 0.003	0.005	0.128	0.004	< 0.003	0.007	< 0.003	0.008
254640	< 3	< 0.003	< 0.003	0.110	0.001	< 0.003	< 0.003	< 0.003	0.002
254641	< 3	< 0.003	< 0.003	0.152	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254642	< 3	< 0.003	< 0.003	0.115	0.001	< 0.003	< 0.003	< 0.003	0.005
254643	< 3	< 0.003	0.006	0.017	0.002	< 0.003	0.006	< 0.003	0.012
254644	< 3	< 0.003	0.006	0.022	0.002	< 0.003	0.006	< 0.003	0.012
254645	3	< 0.003	< 0.003	0.486	0.003	< 0.003	< 0.003	< 0.003	0.005
254646	< 3	< 0.003	< 0.003	0.476	0.002	< 0.003	< 0.003	< 0.003	0.006
254647	< 3	< 0.003	< 0.003	0.607	0.003	< 0.003	0.003	< 0.003	0.008
254648	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254649	< 3	< 0.003	< 0.003	0.178	0.001	< 0.003	< 0.003	< 0.003	0.002
254650	< 3	< 0.003	< 0.003	0.180	0.001	< 0.003	< 0.003	< 0.003	0.003
254651	< 3	< 0.003	< 0.003	0.174	0.003	< 0.003	0.003	< 0.003	0.004
254652	< 3	< 0.003	< 0.003	0.368	0.002	< 0.003	< 0.003	< 0.003	0.006
254653	< 3	< 0.003	< 0.003	0.268	0.002	< 0.003	< 0.003	< 0.003	0.005
254654	< 3	< 0.003	< 0.003	0.478	0.002	< 0.003	< 0.003	< 0.003	0.007
254655	< 3	< 0.003	< 0.003	0.381	0.001	< 0.003	< 0.003	< 0.003	0.005
254656	< 3	< 0.003	< 0.003	0.505	0.002	< 0.003	< 0.003	< 0.003	0.007
254657	< 3	< 0.003	< 0.003	0.439	0.002	< 0.003	< 0.003	< 0.003	0.005
254658	< 3	< 0.003	< 0.003	0.305	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254659	< 3	< 0.003	< 0.003	0.267	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254660	4	< 0.003	< 0.003	1.08	0.003	0.045	0.004	0.006	0.011
254661	4	< 0.003	< 0.003	0.609	0.001	< 0.003	< 0.003	< 0.003	0.007
254662	7	< 0.003	< 0.003	0.435	0.002	< 0.003	< 0.003	< 0.003	0.004
254663	< 3	< 0.003	< 0.003	0.343	0.002	< 0.003	< 0.003	< 0.003	0.005
254664	< 3	< 0.003	< 0.003	0.568	0.001	< 0.003	< 0.003	< 0.003	0.006
254665	< 3	< 0.003	< 0.003	0.309	0.003	< 0.003	< 0.003	< 0.003	0.006
254666	< 3	< 0.003	< 0.003	0.279	0.001	< 0.003	< 0.003	< 0.003	0.006
254667	< 3	< 0.003	< 0.003	0.185	0.001	< 0.003	< 0.003	< 0.003	0.005
254668	< 3	< 0.003	0.004	0.018	0.004	< 0.003	< 0.003	< 0.003	0.008
254669	< 3	< 0.003	< 0.003	0.304	0.001	< 0.003	< 0.003	< 0.003	0.004
254670	< 3	< 0.003	< 0.003	0.155	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254671	< 3	< 0.003	< 0.003	0.142	0.002	< 0.003	< 0.003	< 0.003	0.005
254672	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254673	< 3	< 0.003	< 0.003	0.203	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254674	< 3	< 0.003	< 0.003	0.388	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254675	< 3	< 0.003	0.005	0.024	0.004	< 0.003	0.005	< 0.003	0.013
254676	< 3	< 0.003	0.005	0.005	0.004	< 0.003	0.006	< 0.003	0.013
254677	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254678	< 3	< 0.003	< 0.003	0.158	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254679	< 3	< 0.003	< 0.003	0.179	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254680	< 3	< 0.003	< 0.003	0.287	0.001	< 0.003	< 0.003	< 0.003	0.004
254681	< 3	< 0.003	< 0.003	0.083	0.002	< 0.003	< 0.003	< 0.003	0.003
254682	< 3	< 0.003	< 0.003	0.226	0.001	< 0.003	< 0.003	< 0.003	0.003
254683	< 3	< 0.003	< 0.003	0.204	< 0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
254684	4	< 0.003	< 0.003	1.08	0.003	0.045	0.004	0.006	0.010
254685	< 3	< 0.003	< 0.003	0.271	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254686	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254687	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254688	< 3	< 0.003	< 0.003	0.374	< 0.001	< 0.003	< 0.003	< 0.003	0.007
254689	< 3	< 0.003	< 0.003	0.163	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254690	< 3	< 0.003	< 0.003	0.155	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254691	< 3	< 0.003	< 0.003	0.085	0.001	< 0.003	< 0.003	< 0.003	0.003
254692	< 3	< 0.003	< 0.003	0.142	0.001	< 0.003	< 0.003	< 0.003	0.002
254693	< 3	< 0.003	< 0.003	0.211	0.001	< 0.003	< 0.003	< 0.003	0.004
254694	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254695	5	< 0.003	< 0.003	0.658	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254696	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254697	< 3	< 0.003	< 0.003	0.268	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254698	< 3	< 0.003	< 0.003	0.109	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254699	< 3	< 0.003	< 0.003	0.139	0.001	< 0.003	< 0.003	< 0.003	0.005
254700	< 3	< 0.003	< 0.003	0.097	0.001	< 0.003	< 0.003	< 0.003	0.003
254701	< 3	< 0.003	< 0.003	0.187	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254702	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254703	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254704	< 3	< 0.003	< 0.003	0.189	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254705	< 3	< 0.003	< 0.003	0.169	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254706	< 3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254707	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254708	< 3	< 0.003	< 0.003	0.133	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254709	4	< 0.003	< 0.003	0.621	0.001	< 0.003	< 0.003	< 0.003	0.002
254710	23	< 0.003	< 0.003	0.707	0.001	< 0.003	< 0.003	< 0.003	0.002
254711	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254712	< 3	< 0.003	< 0.003	0.770	0.004	0.020	0.004	< 0.003	0.010
254713	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254714	< 3	< 0.003	< 0.003	0.029	0.002	< 0.003	< 0.003	< 0.003	0.002
254715	< 3	< 0.003	< 0.003	0.324	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254716	< 3	< 0.003	< 0.003	0.180	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254717	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254718	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254719	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254720	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254721	< 3	< 0.003	< 0.003	0.361	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254722	< 3	< 0.003	< 0.003	0.238	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254723	< 3	< 0.003	< 0.003	0.066	0.001	< 0.003	< 0.003	< 0.003	0.002
254724	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254725	25	< 0.003	< 0.003	2.37	0.001	< 0.003	0.004	< 0.003	0.015
254726	4	< 0.003	0.003	0.554	< 0.001	< 0.003	0.005	< 0.003	0.006
254727	< 3	< 0.003	< 0.003	0.307	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254728	< 3	< 0.003	< 0.003	0.137	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254729	< 3	< 0.003	< 0.003	0.238	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254730	5	< 0.003	< 0.003	0.251	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254731	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254732	< 3	< 0.003	< 0.003	0.292	0.001	< 0.003	0.003	< 0.003	0.006

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
254733	< 3	< 0.003	< 0.003	0.393	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254734	< 3	< 0.003	< 0.003	0.153	0.001	< 0.003	< 0.003	< 0.003	0.003
254735	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254736	< 3	< 0.003	< 0.003	0.537	0.003	0.030	0.004	< 0.003	0.009
254737	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254738	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254739	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254740	< 3	< 0.003	< 0.003	0.084	0.004	< 0.003	0.009	< 0.003	0.008
254741	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254742	< 3	< 0.003	< 0.003	0.135	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254743	< 3	< 0.003	< 0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254744	< 3	< 0.003	< 0.003	0.094	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254745	< 3	< 0.003	< 0.003	0.251	0.001	< 0.003	< 0.003	< 0.003	0.004
254746	< 3	< 0.003	< 0.003	0.107	0.004	< 0.003	0.011	< 0.003	0.006
254747	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	0.012	< 0.003	0.005
254748	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254749	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	0.013	< 0.003	0.007
254750	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	0.012	< 0.003	0.007
254751	< 3	< 0.003	< 0.003	0.003	0.004	< 0.003	0.011	< 0.003	0.008
254752	< 3	< 0.003	< 0.003	0.098	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254753	< 3	< 0.003	< 0.003	0.134	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254754	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254755	< 3	< 0.003	< 0.003	0.289	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254756	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254757	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254758	< 3	< 0.003	< 0.003	0.102	0.001	< 0.003	< 0.003	< 0.003	0.003
254759	< 3	< 0.003	< 0.003	0.091	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254760	< 3	< 0.003	< 0.003	0.277	0.004	0.006	0.006	< 0.003	0.008
254761	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254762	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254763	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254764	< 3	< 0.003	< 0.003	0.225	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254765	< 3	< 0.003	< 0.003	0.332	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254766	< 3	< 0.003	< 0.003	0.148	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254767	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254768	< 3	< 0.003	< 0.003	0.184	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254769	< 3	< 0.003	0.004	0.007	0.002	< 0.003	0.011	< 0.003	0.008
254770	< 3	< 0.003	0.004	0.006	0.002	< 0.003	0.013	< 0.003	0.008
254771	< 3	< 0.003	0.004	0.009	0.002	< 0.003	0.011	< 0.003	0.011
254772	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254773	< 3	< 0.003	0.005	0.013	0.002	< 0.003	0.011	< 0.003	0.010
254774	< 3	< 0.003	0.005	0.013	0.002	< 0.003	0.010	< 0.003	0.009
254775	< 3	< 0.003	< 0.003	0.186	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254776	< 3	< 0.003	0.004	0.019	0.002	< 0.003	0.009	< 0.003	0.006
254777	< 3	< 0.003	< 0.003	0.016	0.003	< 0.003	0.010	< 0.003	0.005
254778	< 3	< 0.003	< 0.003	0.232	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254779	< 3	< 0.003	< 0.003	0.184	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254780	< 3	< 0.003	< 0.003	0.270	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254781	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254782	< 3	< 0.003	< 0.003	0.266	< 0.001	< 0.003	< 0.003	< 0.003	0.004



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
254783	< 3	< 0.003	< 0.003	0.477	< 0.001	0.005	< 0.003	< 0.003	0.005
254784	4	< 0.003	< 0.003	1.12	0.003	0.050	0.005	0.006	0.010
254785	< 3	< 0.003	< 0.003	0.209	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254786	< 3	< 0.003	< 0.003	0.139	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254787	< 3	< 0.003	< 0.003	0.264	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254788	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254789	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254790	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254791	< 3	< 0.003	< 0.003	0.097	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254792	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254793	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254794	5	< 0.003	< 0.003	0.166	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254795	< 3	< 0.003	< 0.003	0.134	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254796	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254797	7	< 0.003	< 0.003	0.172	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254798	< 3	< 0.003	< 0.003	0.157	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254799	< 3	< 0.003	< 0.003	0.263	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254800	< 3	< 0.003	< 0.003	0.339	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254801	< 3	< 0.003	< 0.003	0.113	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254802	< 3	< 0.003	< 0.003	0.234	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254803	< 3	< 0.003	< 0.003	0.221	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254804	15	< 0.003	< 0.003	0.280	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254805	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254806	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254807	< 3	< 0.003	< 0.003	0.143	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254808	< 3	< 0.003	< 0.003	0.360	0.001	< 0.003	< 0.003	< 0.003	0.003
254809	< 3	< 0.003	< 0.003	0.116	0.001	< 0.003	< 0.003	< 0.003	0.006
254810	< 3	< 0.003	< 0.003	0.128	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254811	< 3	< 0.003	< 0.003	0.292	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254812	< 3	< 0.003	< 0.003	0.783	0.004	0.020	0.004	< 0.003	0.010
254813	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254814	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254815	< 3	< 0.003	< 0.003	0.298	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254816	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254817	< 3	< 0.003	< 0.003	0.368	< 0.001	< 0.003	< 0.003	< 0.003	0.017
254818	< 3	< 0.003	< 0.003	0.157	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254819	< 3	< 0.003	< 0.003	0.211	< 0.001	< 0.003	< 0.003	< 0.003	0.007
254820	4	< 0.003	< 0.003	0.493	< 0.001	< 0.003	< 0.003	< 0.003	0.013
254821	< 3	< 0.003	< 0.003	0.126	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254822	< 3	< 0.003	< 0.003	0.191	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254823	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254824	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254825	< 3	< 0.003	< 0.003	0.110	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254826	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254827	< 3	< 0.003	< 0.003	0.140	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254828	< 3	< 0.003	< 0.003	0.127	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254829	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254830	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254831	< 3	< 0.003	< 0.003	0.167	< 0.001	< 0.003	< 0.003	< 0.003	0.007

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
254832	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254833	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254834	< 3	< 0.003	< 0.003	0.121	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254835	< 3	< 0.003	0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.024
254836	< 3	< 0.003	< 0.003	0.549	< 0.001	0.032	0.005	0.004	0.015
254837	< 3	< 0.003	0.003	0.026	0.002	< 0.003	0.004	< 0.003	0.029
254838	3	< 0.003	< 0.003	0.209	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254839	< 3	< 0.003	< 0.003	0.272	< 0.001	< 0.003	< 0.003	< 0.003	0.006
254840	< 3	< 0.003	< 0.003	0.162	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254841	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254842	< 3	< 0.003	< 0.003	0.141	< 0.001	< 0.003	< 0.003	0.003	0.012
254843	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254844	< 3	< 0.003	< 0.003	0.253	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254845	< 3	< 0.003	< 0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254846	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254847	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254848	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254849	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254850	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254851	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254852	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254853	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254854	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254855	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254856	< 3	< 0.003	< 0.003	0.086	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254857	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254858	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	0.004	0.013
254859	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254860	< 3	< 0.003	< 0.003	0.279	0.001	0.008	0.005	< 0.003	0.007
254861	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254862	< 3	< 0.003	< 0.003	0.170	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254863	< 3	< 0.003	< 0.003	0.450	< 0.001	< 0.003	< 0.003	< 0.003	0.006
254864	3	< 0.003	< 0.003	0.345	< 0.001	< 0.003	0.004	0.004	0.019
254865	< 3	< 0.003	< 0.003	0.353	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254866	< 3	< 0.003	< 0.003	0.271	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254867	5	< 0.003	0.004	0.705	< 0.001	< 0.003	< 0.003	< 0.003	0.009
254868	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254869	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254870	< 3	< 0.003	< 0.003	0.097	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254871	< 3	< 0.003	< 0.003	0.167	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254872	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254873	< 3	< 0.003	< 0.003	0.377	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254874	14	< 0.003	< 0.003	1.25	< 0.001	< 0.003	< 0.003	< 0.003	0.015
254875	3	< 0.003	< 0.003	0.508	< 0.001	< 0.003	< 0.003	< 0.003	0.006
254876	5	< 0.003	< 0.003	0.752	< 0.001	< 0.003	< 0.003	< 0.003	0.010
254877	7	< 0.003	< 0.003	1.08	< 0.001	< 0.003	< 0.003	< 0.003	0.017
254878	< 3	< 0.003	< 0.003	0.212	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254879	< 3	< 0.003	< 0.003	0.514	< 0.001	< 0.003	< 0.003	< 0.003	0.007
254880	< 3	< 0.003	< 0.003	0.355	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254881	7	< 0.003	< 0.003	1.13	< 0.001	< 0.003	< 0.003	< 0.003	0.014

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
254882	< 3	< 0.003	< 0.003	0.212	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254883	< 3	< 0.003	< 0.003	0.171	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254884	4	< 0.003	< 0.003	1.13	< 0.001	0.050	0.004	0.006	0.010
254885	3	< 0.003	< 0.003	0.346	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254886	9	< 0.003	< 0.003	1.49	< 0.001	< 0.003	< 0.003	< 0.003	0.011
254887	9	< 0.003	< 0.003	1.38	< 0.001	< 0.003	< 0.003	< 0.003	0.012
254888	8	< 0.003	< 0.003	1.04	< 0.001	< 0.003	< 0.003	< 0.003	0.011
254889	4	< 0.003	< 0.003	0.670	< 0.001	< 0.003	< 0.003	< 0.003	0.007
254890	4	< 0.003	< 0.003	0.649	< 0.001	< 0.003	< 0.003	< 0.003	0.006
254891	< 3	< 0.003	< 0.003	0.070	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254892	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254893	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254894	< 3	< 0.003	< 0.003	0.314	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254895	< 3	< 0.003	< 0.003	0.174	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254896	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254897	< 3	< 0.003	< 0.003	0.356	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254898	< 3	< 0.003	< 0.003	0.383	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254899	3	< 0.003	< 0.003	0.501	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254900	< 3	< 0.003	< 0.003	0.293	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254901	< 3	< 0.003	< 0.003	0.394	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254902	4	< 0.003	< 0.003	0.697	< 0.001	< 0.003	< 0.003	< 0.003	0.008
254903	4	< 0.003	< 0.003	0.531	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254904	< 3	< 0.003	< 0.003	0.185	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254905	4	< 0.003	< 0.003	0.536	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254906	5	< 0.003	< 0.003	0.573	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254907	< 3	< 0.003	< 0.003	0.459	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254908	7	< 0.003	< 0.003	0.804	< 0.001	< 0.003	< 0.003	< 0.003	0.009
254909	< 3	< 0.003	< 0.003	0.142	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254910	< 3	< 0.003	< 0.003	0.115	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254911	3	< 0.003	< 0.003	0.341	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254912	< 3	< 0.003	< 0.003	0.779	< 0.001	0.020	0.004	< 0.003	0.010
254913	5	< 0.003	< 0.003	0.649	< 0.001	< 0.003	< 0.003	< 0.003	0.010
254914	9	< 0.003	< 0.003	1.01	< 0.001	< 0.003	< 0.003	< 0.003	0.008
254915	7	< 0.003	< 0.003	0.743	< 0.001	< 0.003	< 0.003	< 0.003	0.007
254916	< 3	< 0.003	< 0.003	0.341	< 0.001	< 0.003	< 0.003	< 0.003	0.004
254917	< 3	< 0.003	< 0.003	0.388	< 0.001	< 0.003	< 0.003	< 0.003	0.006
254918	< 3	< 0.003	< 0.003	0.474	< 0.001	< 0.003	< 0.003	< 0.003	0.005
254919	< 3	< 0.003	< 0.003	0.215	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254920	< 3	< 0.003	0.003	0.010	0.001	< 0.003	0.005	< 0.003	0.007
254921	< 3	< 0.003	< 0.003	0.146	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254922	< 3	< 0.003	< 0.003	0.317	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254923	< 3	< 0.003	< 0.003	0.146	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254924	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254925	< 3	< 0.003	< 0.003	0.155	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254926	6	< 0.003	< 0.003	0.691	0.001	< 0.003	< 0.003	< 0.003	0.011
254927	< 3	< 0.003	< 0.003	0.109	0.002	< 0.003	< 0.003	< 0.003	0.002
254928	< 3	< 0.003	< 0.003	0.066	0.001	< 0.003	< 0.003	< 0.003	0.001
254929	< 3	< 0.003	< 0.003	0.167	0.001	< 0.003	< 0.003	< 0.003	0.004
254930	< 3	< 0.003	< 0.003	0.136	0.001	< 0.003	< 0.003	< 0.003	0.004

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
254931	< 3	< 0.003	< 0.003	0.194	0.001	< 0.003	< 0.003	< 0.003	0.004
254932	< 3	< 0.003	< 0.003	0.225	0.001	< 0.003	< 0.003	< 0.003	0.004
254933	< 3	< 0.003	< 0.003	0.107	0.001	< 0.003	< 0.003	< 0.003	0.003
254934	< 3	< 0.003	< 0.003	0.250	0.002	< 0.003	< 0.003	< 0.003	0.007
254935	< 3	< 0.003	< 0.003	0.212	0.002	< 0.003	< 0.003	< 0.003	0.006
254936	< 3	< 0.003	< 0.003	0.528	0.004	0.028	0.004	< 0.003	0.008
254937	< 3	< 0.003	< 0.003	0.124	0.002	< 0.003	< 0.003	< 0.003	0.006
254938	< 3	< 0.003	< 0.003	0.180	0.002	< 0.003	< 0.003	< 0.003	0.006
254939	< 3	< 0.003	< 0.003	0.055	0.002	< 0.003	< 0.003	< 0.003	0.002
254940	< 3	< 0.003	< 0.003	0.070	0.002	< 0.003	< 0.003	< 0.003	0.020
254941	< 3	< 0.003	< 0.003	0.093	0.002	< 0.003	< 0.003	< 0.003	0.005
254942	< 3	< 0.003	< 0.003	0.055	0.002	< 0.003	< 0.003	< 0.003	0.003
254943	< 3	< 0.003	< 0.003	0.034	0.002	< 0.003	< 0.003	< 0.003	0.001
254944	< 3	< 0.003	< 0.003	0.106	0.002	< 0.003	< 0.003	< 0.003	0.004
254945	< 3	< 0.003	< 0.003	0.107	0.002	< 0.003	< 0.003	< 0.003	0.005
254946	< 3	< 0.003	< 0.003	0.141	0.001	< 0.003	< 0.003	< 0.003	0.005
254947	< 3	< 0.003	< 0.003	0.155	0.001	< 0.003	< 0.003	< 0.003	0.006
254948	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
254949	< 3	< 0.003	< 0.003	0.159	0.001	< 0.003	< 0.003	< 0.003	0.005
254950	< 3	< 0.003	< 0.003	0.160	0.001	< 0.003	< 0.003	< 0.003	0.006
254951	< 3	< 0.003	< 0.003	0.114	0.001	< 0.003	< 0.003	< 0.003	0.003
254952	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	< 0.001
254953	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	< 0.001
254954	< 3	< 0.003	< 0.003	0.060	0.001	< 0.003	< 0.003	< 0.003	0.001
254955	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	0.001
254956	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	< 0.001
254957	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	0.001
254958	< 3	< 0.003	< 0.003	0.046	0.001	< 0.003	< 0.003	< 0.003	0.004
254959	< 3	< 0.003	< 0.003	0.019	0.002	< 0.003	< 0.003	< 0.003	0.002
254960	< 3	< 0.003	< 0.003	0.281	0.004	0.007	0.006	< 0.003	0.009
254961	< 3	< 0.003	< 0.003	0.066	0.001	< 0.003	< 0.003	< 0.003	0.002
254962	< 3	< 0.003	< 0.003	0.100	0.001	< 0.003	< 0.003	< 0.003	0.004
254963	< 3	< 0.003	< 0.003	0.140	0.001	< 0.003	< 0.003	< 0.003	0.003
254964	< 3	< 0.003	< 0.003	0.163	0.002	< 0.003	< 0.003	< 0.003	0.004
254965	< 3	< 0.003	< 0.003	0.107	0.001	< 0.003	< 0.003	< 0.003	0.004

Analyte Symbol	Ag	Cd	Li	Ni	Pb	Co	Cu	Mo	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.001	0.003	0.003	0.003	0.001	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	133			45.7		2.12	24.3		
PTM-1a Cert	135			47.44		2.05	24.96		
PTM-1a Meas	126			45.7		2.02	23.9		
PTM-1a Cert	135			47.44		2.05	24.96		
PTM-1a Meas	130			46.0		2.07	24.3		
PTM-1a Cert	135			47.44		2.05	24.96		
PTM-1a Meas	126			45.9		2.07	24.4		
PTM-1a Cert	135			47.44		2.05	24.96		
PTM-1a Meas	131			46.4		2.12	24.1		
PTM-1a Cert	135			47.44		2.05	24.96		
PTM-1a Meas	132			46.3		2.12	25.2		
PTM-1a Cert	135			47.44		2.05	24.96		
PTM-1a Meas	131			46.2		2.09	25.3		
PTM-1a Cert	135			47.44		2.05	24.96		
OREAS 14P Meas				2.15		0.076	1.02		
OREAS 14P Cert				2.10		0.0750	0.997		
OREAS 14P Meas				2.11		0.073	0.993		
OREAS 14P Cert				2.10		0.0750	0.997		
OREAS 14P Meas				2.16		0.073	0.988		
OREAS 14P Cert				2.10		0.0750	0.997		
OREAS 14P Meas				2.12		0.071	0.949		
OREAS 14P Cert				2.10		0.0750	0.997		
OREAS 14P Meas				2.09		0.071	0.946		
OREAS 14P Cert				2.10		0.0750	0.997		
OREAS 14P Meas				2.10		0.072	0.972		
OREAS 14P Cert				2.10		0.0750	0.997		
OREAS 14P Meas				2.08		0.070	0.969		
OREAS 14P Cert				2.10		0.0750	0.997		
HV-2 Meas				< 0.003			0.593	0.049	0.005
HV-2 Cert							0.570	0.0480	0.00560
HV-2 Meas				< 0.003			0.583	0.050	0.005
HV-2 Cert							0.570	0.0480	0.00560
HV-2 Meas				< 0.003			0.612	0.048	0.005
HV-2 Cert							0.570	0.0480	0.00560
HV-2 Meas				< 0.003			0.565	0.047	0.005
HV-2 Cert							0.570	0.0480	0.00560
HV-2 Meas				< 0.003			0.592	0.050	0.004
HV-2 Cert							0.570	0.0480	0.00560
HV-2 Meas				< 0.003			0.577	0.050	0.005
HV-2 Cert							0.570	0.0480	0.00560
HV-2 Meas				< 0.003			0.573	0.046	0.005
HV-2 Cert							0.570	0.0480	0.00560
HV-2 Meas				< 0.003			0.578	0.050	0.005
HV-2 Cert							0.570	0.0480	0.00560

Analyte Symbol	Ag	Cd	Li	Ni	Pb	Co	Cu	Mo	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.001	0.003	0.003	0.003	0.001	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
GBW 07239 (NCS DC 70007) Meas				0.004	< 0.003	< 0.003	0.008	0.112	0.012
GBW 07239 (NCS DC 70007) Cert				0.00209	0.003	0.00135	0.005	0.110	0.012
GBW 07239 (NCS DC 70007) Meas				0.004	< 0.003	< 0.003	0.004	0.113	0.012
GBW 07239 (NCS DC 70007) Cert				0.00209	0.003	0.00135	0.005	0.110	0.012
GBW 07238 (NCS DC 70006) Meas				< 0.003	< 0.003		0.009	1.45	0.008
GBW 07238 (NCS DC 70006) Cert				0.00178	0.00187		0.00936	1.51	0.00655
GBW 07238 (NCS DC 70006) Meas				< 0.003	< 0.003		0.010	1.50	0.007
GBW 07238 (NCS DC 70006) Cert				0.00178	0.00187		0.00936	1.51	0.00655
GBW 07238 (NCS DC 70006) Meas				< 0.003	< 0.003		0.009	1.47	0.007
GBW 07238 (NCS DC 70006) Cert				0.00178	0.00187		0.00936	1.51	0.00655
GBW 07238 (NCS DC 70006) Meas				< 0.003	< 0.003		0.010	1.51	0.007
GBW 07238 (NCS DC 70006) Cert				0.00178	0.00187		0.00936	1.51	0.00655
GBW 07238 (NCS DC 70006) Meas				< 0.003	< 0.003		0.008	1.49	0.006
GBW 07238 (NCS DC 70006) Cert				0.00178	0.00187		0.00936	1.51	0.00655
GBW 07238 (NCS DC 70006) Meas				< 0.003	< 0.003		0.009	1.50	0.007
GBW 07238 (NCS DC 70006) Cert				0.00178	0.00187		0.00936	1.51	0.00655
GBW 07238 (NCS DC 70006) Meas				0.004	< 0.003		0.009	1.49	0.007
GBW 07238 (NCS DC 70006) Cert				0.00178	0.00187		0.00936	1.51	0.00655
OREAS 134b (4 ACID) Meas	213	0.055			13.4	0.011	0.132		18.1
OREAS 134b (4 ACID) Cert	209	0.0561			13.4	0.0107	0.135		18.0
OREAS 134b (4 ACID) Meas	207	0.055			13.5	0.011	0.129		17.8
OREAS 134b (4 ACID) Cert	209	0.0561			13.4	0.0107	0.135		18.0
OREAS 134b (4 ACID) Meas	214	0.055			13.3	0.011	0.135		17.9
OREAS 134b (4 ACID) Cert	209	0.0561			13.4	0.0107	0.135		18.0
OREAS 134b (4 ACID) Meas	199	0.057			13.2	0.010	0.133		17.6
OREAS 134b (4 ACID) Cert	209	0.0561			13.4	0.0107	0.135		18.0
OREAS 134b (4 ACID) Meas	205	0.055			13.1	0.010	0.132		17.5

Analyte Symbol	Ag	Cd	Li	Ni	Pb	Co	Cu	Mo	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.001	0.003	0.003	0.003	0.001	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
ACID) Meas									
OREAS 134b (4 ACID) Cert	209	0.0561			13.4	0.0107	0.135		18.0
OREAS 134b (4 ACID) Meas	210	0.055			13.0	0.010	0.132		17.7
OREAS 134b (4 ACID) Cert	209	0.0561			13.4	0.0107	0.135		18.0
OREAS 134b (4 ACID) Meas	211	0.056			13.3	0.011	0.134		17.9
OREAS 134b (4 ACID) Cert	209	0.0561			13.4	0.0107	0.135		18.0
OREAS 134b (4 ACID) Meas	206	0.057			13.3	0.010	0.132		17.5
OREAS 134b (4 ACID) Cert	209	0.0561			13.4	0.0107	0.135		18.0
MP-1b Meas	49	0.051			2.13		2.96	0.026	16.4
MP-1b Cert	47	0.0527			2.09		3.07	0.029	16.7
MP-1b Meas	46	0.052			2.08		3.01	0.027	16.5
MP-1b Cert	47	0.0527			2.09		3.07	0.029	16.7
MP-1b Meas	48	0.052			2.10		3.03	0.025	16.9
MP-1b Cert	47	0.0527			2.09		3.07	0.029	16.7
MP-1b Meas	50	0.055			2.09		3.07	0.023	16.6
MP-1b Cert	47	0.0527			2.09		3.07	0.029	16.7
MP-1b Meas	47	0.053			2.13		3.14	0.026	16.6
MP-1b Cert	47	0.0527			2.09		3.07	0.029	16.7
MP-1b Meas	49	0.053			2.08		3.09	0.026	16.3
MP-1b Cert	47	0.0527			2.09		3.07	0.029	16.7
MP-1b Meas	49	0.053			2.07		3.06	0.022	16.8
MP-1b Cert	47	0.0527			2.09		3.07	0.029	16.7
MP-1b Meas	49	0.055			2.03		3.11	0.026	16.7
MP-1b Cert	47	0.0527			2.09		3.07	0.029	16.7
MP-1b Meas	48						3.11		
MP-1b Cert	47						3.07		
OREAS 97 (4 Acid) Meas	19				0.016	0.006	6.20		0.063
OREAS 97 (4 Acid) Cert	20				0.015	0.006	6.31		0.065
OREAS 97 (4 Acid) Meas	20				0.015	0.007	6.27		0.061
OREAS 97 (4 Acid) Cert	20				0.015	0.006	6.31		0.065
OREAS 97 (4 Acid) Meas	20				0.014	0.007	6.27		0.064
OREAS 97 (4 Acid) Cert	20				0.015	0.006	6.31		0.065
OREAS 97 (4 Acid) Meas	19				0.016	0.006	6.47		0.062
OREAS 97 (4 Acid) Cert	20				0.015	0.006	6.31		0.065
OREAS 97 (4 Acid) Meas	19				0.015	0.006	6.22		0.060
OREAS 97 (4 Acid) Cert	20				0.015	0.006	6.31		0.065
OREAS 97 (4 Acid) Meas	20				0.016	0.006	6.57		0.061

Analyte Symbol	Ag	Cd	Li	Ni	Pb	Co	Cu	Mo	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.001	0.003	0.003	0.003	0.001	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Acid) Meas									
OREAS 97 (4 Acid) Cert	20				0.015	0.006	6.31		0.065
OREAS 97 (4 Acid) Meas	20				0.016	0.007	6.48		0.063
OREAS 97 (4 Acid) Cert	20				0.015	0.006	6.31		0.065
OREAS 97 (4 Acid) Meas	19				0.015	0.006	6.34		0.061
OREAS 97 (4 Acid) Cert	20				0.015	0.006	6.31		0.065
OREAS 98 (4 Acid) Meas	44				0.030	0.012	14.5		0.133
OREAS 98 (4 Acid) Cert	45.1				0.035	0.012	14.8		0.136
OREAS 98 (4 Acid) Meas	43				0.033	0.013	14.2		0.137
OREAS 98 (4 Acid) Cert	45.1				0.035	0.012	14.8		0.136
OREAS 98 (4 Acid) Meas	45				0.032	0.012	14.8		0.138
OREAS 98 (4 Acid) Cert	45.1				0.035	0.012	14.8		0.136
OREAS 98 (4 Acid) Meas	43				0.033	0.013	14.7		0.133
OREAS 98 (4 Acid) Cert	45.1				0.035	0.012	14.8		0.136
OREAS 98 (4 Acid) Meas	45				0.032	0.013	14.9		0.133
OREAS 98 (4 Acid) Cert	45.1				0.035	0.012	14.8		0.136
OREAS 98 (4 Acid) Meas	45				0.033	0.013	14.8		0.136
OREAS 98 (4 Acid) Cert	45.1				0.035	0.012	14.8		0.136
OREAS 98 (4 Acid) Meas	45				0.032	0.013	14.6		0.135
OREAS 98 (4 Acid) Cert	45.1				0.035	0.012	14.8		0.136
OREAS 98 (4 Acid) Meas	45						14.9		
OREAS 98 (4 Acid) Cert	45.1						14.8		
NCS DC86303 Meas			0.212						
NCS DC86303 Cert			0.210						
NCS DC86303 Meas			0.218						
NCS DC86303 Cert			0.210						
NCS DC86303 Meas			0.220						
NCS DC86303 Cert			0.210						
NCS DC86303 Meas			0.220						



Analyte Symbol	Ag	Cd	Li	Ni	Pb	Co	Cu	Mo	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.001	0.003	0.003	0.003	0.001	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86303 Cert			0.210						
NCS DC86303 Meas			0.221						
NCS DC86303 Cert			0.210						
NCS DC86303 Meas			0.216						
NCS DC86303 Cert			0.210						
NCS DC86303 Meas			0.217						
NCS DC86303 Cert			0.210						
NCS DC86303 Meas			0.218						
NCS DC86303 Cert			0.210						
NCS DC86314 Meas			1.79						
NCS DC86314 Cert			1.81						
NCS DC86314 Meas			1.88						
NCS DC86314 Cert			1.81						
NCS DC86314 Meas			1.81						
NCS DC86314 Cert			1.81						
NCS DC86314 Meas			1.79						
NCS DC86314 Cert			1.81						
NCS DC86314 Meas			1.84						
NCS DC86314 Cert			1.81						
NCS DC86314 Meas			1.85						
NCS DC86314 Cert			1.81						
NCS DC86314 Meas			1.79						
NCS DC86314 Cert			1.81						
NCS DC86314 Meas			1.85						
NCS DC86314 Cert			1.81						
CZN-4 Meas	50	0.247			0.187	0.009	0.388		54.6
CZN-4 Cert	51	0.2604			0.1861	0.009	0.403		55.07
CZN-4 Meas	49	0.253			0.187	0.009	0.413		54.2
CZN-4 Cert	51	0.2604			0.1861	0.009	0.403		55.07
CZN-4 Meas	51	0.252			0.185	0.010	0.398		54.9
CZN-4 Cert	51	0.2604			0.1861	0.0094	0.403		55.07

Analyte Symbol	Ag	Cd	Li	Ni	Pb	Co	Cu	Mo	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.001	0.003	0.003	0.003	0.001	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
CZN-4 Meas	53	0.266			0.178	0.009	0.420		55.6
CZN-4 Cert	51	0.2604			0.1861	0.009	0.403		55.07
CZN-4 Meas	49	0.255			0.181	0.009	0.419		55.7
CZN-4 Cert	51	0.2604			0.1861	0.009	0.403		55.07
CZN-4 Meas	50	0.254			0.177	0.009	0.416		56.2
CZN-4 Cert	51	0.2604			0.1861	0.009	0.403		55.07
CZN-4 Meas	51	0.260			0.179	0.010	0.410		55.6
CZN-4 Cert	51	0.2604			0.1861	0.009	0.403		55.07
CZN-4 Meas	51	0.266			0.174	0.009	0.418		55.3
CZN-4 Cert	51	0.2604			0.1861	0.009	0.403		55.07
CZN-4 Meas	51						0.416		
CZN-4 Cert	51						0.403		
Lithium Tetraborate FX-LT 100 lot#220610B Meas			8.18						
Lithium Tetraborate FX-LT 100 lot#220610B Cert			8						
Lithium Tetraborate FX-LT 100 lot#220610B Meas			7.78						
Lithium Tetraborate FX-LT 100 lot#220610B Cert			8						
Lithium Tetraborate FX-LT 100 lot#220610B Meas			7.94						
Lithium Tetraborate FX-LT 100 lot#220610B Cert			8						
Lithium Tetraborate FX-LT 100 lot#220610B Meas			7.92						
Lithium Tetraborate FX-LT 100 lot#220610B Cert			8						
Lithium Tetraborate FX-LT 100 lot#220610B Meas			7.87						
Lithium Tetraborate FX-LT 100 lot#220610B Cert			8						
Lithium Tetraborate FX-LT 100 lot#220610B Meas			7.95						
Lithium Tetraborate FX-LT 100 lot#220610B			8						

Analyte Symbol	Ag	Cd	Li	Ni	Pb	Co	Cu	Mo	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.001	0.003	0.003	0.003	0.001	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Cert									
Lithium Tetraborate FX-LT 100 lot#220610B Meas			7.78						
Lithium Tetraborate FX-LT 100 lot#220610B Cert			8						
PTC-1b Meas	52			11.2	0.084	0.313	7.66		0.214
PTC-1b Cert	53			11.29	0.080	0.325	7.97		0.2083
PTC-1b Meas	53			11.3	0.081	0.319	7.72		0.205
PTC-1b Cert	53			11.29	0.080	0.325	7.97		0.2083
PTC-1b Meas	57			11.4	0.082	0.320	7.86		0.208
PTC-1b Cert	53			11.29	0.080	0.325	7.97		0.2083
PTC-1b Meas	55			11.5	0.079	0.327	7.90		0.209
PTC-1b Cert	53			11.29	0.080	0.325	7.97		0.2083
PTC-1b Meas	50			11.7	0.078	0.329	7.90		0.209
PTC-1b Cert	53			11.29	0.080	0.325	7.97		0.2083
PTC-1b Meas	52			11.4	0.075	0.326	7.73		0.204
PTC-1b Cert	53			11.29	0.080	0.325	7.97		0.2083
PTC-1b Meas	51			11.5	0.080	0.325	7.78		0.211
PTC-1b Cert	53			11.29	0.080	0.325	7.97		0.2083
PTC-1b Meas	50			11.0	0.080	0.314	7.62		0.207
PTC-1b Cert	53			11.29	0.080	0.325	7.97		0.2083
CCU-1e Meas	210	0.007			0.715	0.031	22.3		3.00
CCU-1e Cert	205	0.00742			0.703	0.0301	22.9		3.02
CCU-1e Meas	201	0.007			0.699	0.030	22.9		2.94
CCU-1e Cert	205	0.00742			0.703	0.0301	22.9		3.02
CCU-1e Meas	203	0.007			0.689	0.031	22.5		3.01
CCU-1e Cert	205	0.00742			0.703	0.0301	22.9		3.02
CCU-1e Meas	195	0.008			0.686	0.032	22.6		3.03
CCU-1e Cert	205	0.00742			0.703	0.0301	22.9		3.02
CCU-1e Meas	209	0.008			0.703	0.032	23.2		3.04
CCU-1e Cert	205	0.00742			0.703	0.0301	22.9		3.02
CCU-1e Meas	206	0.008			0.687	0.032	22.4		3.02
CCU-1e Cert	205	0.00742			0.703	0.0301	22.9		3.02
CCU-1e Meas	203	0.007			0.693	0.032	22.8		3.04
CCU-1e Cert	205	0.00742			0.703	0.0301	22.9		3.02
CCU-1e Meas	204	0.008			0.674	0.032	22.8		3.00
CCU-1e Cert	205	0.00742			0.703	0.0301	22.9		3.02
OREAS 96 (4 Acid) Meas	11				0.013	0.005	3.80		0.048
OREAS 96 (4 Acid) Cert	11.5				0.0101	0.00499	3.93		0.0457
OREAS 96 (4 Acid) Meas	10				0.010	0.005	4.15		0.044
OREAS 96 (4 Acid) Cert	11.5				0.0101	0.00499	3.93		0.0457
OREAS 96 (4 Acid) Meas	11				0.018	0.005	3.97		0.047
OREAS 96 (4 Acid) Cert	11.5				0.0101	0.00499	3.93		0.0457

Analyte Symbol	Ag	Cd	Li	Ni	Pb	Co	Cu	Mo	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.001	0.003	0.003	0.003	0.001	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 96 (4 Acid) Meas	11				0.011	0.005	3.88		0.045
OREAS 96 (4 Acid) Cert	11.5				0.0101	0.00499	3.93		0.0457
OREAS 96 (4 Acid) Meas	11				0.010	0.005	3.93		0.044
OREAS 96 (4 Acid) Cert	11.5				0.0101	0.00499	3.93		0.0457
OREAS 96 (4 Acid) Meas	11				0.011	0.005	3.96		0.044
OREAS 96 (4 Acid) Cert	11.5				0.0101	0.00499	3.93		0.0457
OREAS 96 (4 Acid) Meas	10				0.010	0.005	3.86		0.046
OREAS 96 (4 Acid) Cert	11.5				0.0101	0.00499	3.93		0.0457
OREAS 96 (4 Acid) Meas	11				0.010	0.005	3.90		0.044
OREAS 96 (4 Acid) Cert	11.5				0.0101	0.00499	3.93		0.0457
OREAS 96 (4 Acid) Meas	11						3.89		
OREAS 96 (4 Acid) Cert	11.5						3.93		
25498 Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.005	< 0.003	0.002
25498 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.005	< 0.003	0.002
254511 Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.008	< 0.003	0.007
254511 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.007	< 0.003	0.007
254519 Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.011	< 0.003	0.002
254519 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.012	< 0.003	0.001
254535 Split Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.040	< 0.003	0.003
254535 Split	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.041	< 0.003	0.003
254543 Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.015	< 0.003	0.002
254543 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.014	< 0.003	0.002
254551 Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.035	< 0.003	0.004
254551 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.035	< 0.003	0.004
254576 Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.065	< 0.003	0.002
254576 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.065	< 0.003	0.002
254584 Orig	3	< 0.003	0.002	0.005	0.006	< 0.003	1.11	0.050	0.010
254584 Dup	4	< 0.003	0.002	0.005	0.006	< 0.003	1.11	0.051	0.010
254585 Split Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.085	< 0.003	0.002
254585 Split	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.083	< 0.003	0.002
254608 Orig	< 3	< 0.003	0.001	< 0.003	< 0.003	< 0.003	0.012	< 0.003	0.002
254608 Dup	< 3	< 0.003	0.002	< 0.003	< 0.003	< 0.003	0.012	< 0.003	0.002
254621 Orig	< 3	< 0.003	0.003	< 0.003	< 0.003	< 0.003	0.104	< 0.003	0.005
254621 Dup	< 3	< 0.003	0.003	< 0.003	< 0.003	< 0.003	0.103	< 0.003	0.005
254629 Orig	4	< 0.003	0.002	< 0.003	< 0.003	< 0.003	0.417	< 0.003	0.006
254629 Dup	3	< 0.003	0.002	< 0.003	< 0.003	< 0.003	0.410	< 0.003	0.006
254635 Split Orig	< 3	< 0.003	0.003	< 0.003	< 0.003	< 0.003	0.093	< 0.003	0.007
254635 Split	< 3	< 0.003	0.003	< 0.003	< 0.003	< 0.003	0.096	< 0.003	0.007
254653 Orig	< 3	< 0.003	0.002	< 0.003	< 0.003	< 0.003	0.267	< 0.003	0.005
254653 Dup	< 3	< 0.003	0.002	< 0.003	< 0.003	< 0.003	0.269	< 0.003	0.005
254661 Orig	4	< 0.003	0.001	< 0.003	< 0.003	< 0.003	0.611	< 0.003	0.007

Analyte Symbol	Ag	Cd	Li	Ni	Pb	Co	Cu	Mo	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.001	0.003	0.003	0.003	0.001	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
254661 Dup	3	< 0.003	0.001	< 0.003	< 0.003	< 0.003	0.607	< 0.003	0.007
254685 Split Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.271	< 0.003	0.004
254685 Split	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.270	< 0.003	0.004
254685 Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.271	< 0.003	0.004
254685 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.271	< 0.003	0.004
254693 Orig	< 3	< 0.003	0.001	< 0.003	< 0.003	< 0.003	0.212	< 0.003	0.004
254693 Dup	< 3	< 0.003	0.001	< 0.003	< 0.003	< 0.003	0.210	< 0.003	0.004
254718 Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.084	< 0.003	0.002
254718 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.083	< 0.003	0.001
254731 Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.105	< 0.003	0.002
254731 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.106	< 0.003	0.002
254735 Split Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.033	< 0.003	0.001
254735 Split	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.033	< 0.003	0.001
254738 Orig	< 3	< 0.003	0.001	< 0.003	< 0.003	< 0.003	0.014	< 0.003	0.002
254738 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.011	< 0.003	0.002
254763 Orig	3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.067	< 0.003	< 0.001
254763 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.066	< 0.003	0.001
254771 Orig	< 3	< 0.003	0.002	0.011	< 0.003	0.004	0.009	< 0.003	0.011
254771 Dup	< 3	< 0.003	0.002	0.011	< 0.003	0.005	0.009	< 0.003	0.011
254785 Split Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.209	< 0.003	0.003
254785 Split	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.203	< 0.003	0.003
254795 Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.134	< 0.003	0.002
254795 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.135	< 0.003	0.002
254803 Orig	< 3	< 0.003	0.001	< 0.003	< 0.003	< 0.003	0.221	< 0.003	0.002
254803 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.220	< 0.003	0.002
254828 Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.128	< 0.003	0.003
254828 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.126	< 0.003	0.004
254835 Split Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	0.003	0.010	< 0.003	0.024
254835 Split	< 3	< 0.003	< 0.001	< 0.003	< 0.003	0.004	0.011	< 0.003	0.032
254840 Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.161	< 0.003	0.001
254840 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.162	< 0.003	< 0.001
254848 Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.003	< 0.003	< 0.001
254848 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	< 0.003	< 0.001
254873 Orig	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.375	< 0.003	0.005
254873 Dup	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.380	< 0.003	0.005
254881 Orig	6	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	1.14	< 0.003	0.013
254881 Dup	8	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	1.12	< 0.003	0.014
254885 Split Orig	3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.346	< 0.003	0.004
254885 Split	< 3	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.399	< 0.003	0.005
254885 Split Orig	< 3								
254885 Split	< 3								
254905 Orig	4	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.528	< 0.003	0.004
254905 Dup	4	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.544	< 0.003	0.004
254913 Orig	5	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.647	< 0.003	0.010
254913 Dup	5	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.651	< 0.003	0.010
254935 Split Orig	< 3	< 0.003	0.002	< 0.003	< 0.003	< 0.003	0.212	< 0.003	0.006
254935 Split	< 3	< 0.003	0.002	< 0.003	< 0.003	< 0.003	0.220	< 0.003	0.007
254937 Orig	< 3	< 0.003	0.002	< 0.003	< 0.003	< 0.003	0.125	< 0.003	0.006
254937 Dup	< 3	< 0.003	0.002	< 0.003	< 0.003	< 0.003	0.124	< 0.003	0.005
254950 Orig	< 3	< 0.003	0.001	< 0.003	< 0.003	< 0.003	0.159	< 0.003	0.006





IAMGOLD Corporation  
2140 Regent Street Unit 10  
Sudbury Ontario P3E 5S8  
Canada

Report No.: A20-11711-Au  
Report Date: 16-Nov-20  
Date Submitted: 25-Sep-20  
Your Reference: 234

ATTN: Alan Smith

### CERTIFICATE OF ANALYSIS

480 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2020-11-02 08:54:58

REPORT **A20-11711-Au**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
255486	0.047								
255487	0.074								
255488	0.053								
255489	0.012								
255490	0.011								
255491	0.006								
255492	0.018								
255493	0.050								
255494	0.030								
255495	< 0.005								
255496	< 0.005								
255497	0.057								
255498	0.013								
255499	0.011								
255500	0.350								
254501	0.130								
254502	0.037								
254503	0.066								
254504	0.075								
254505	0.058								
254506	0.063								
254507	0.100								
254508	0.086								
254509	0.070								
254510	0.134								
254511	0.275								
254512	0.455								
254513	0.766								
254514	0.118								
254515	0.045								
254516	0.044								
254517	0.046								
254518	0.279								
254519	0.059								
254520	0.165								
254521	0.092								
254522	0.024								
254523	0.227								
254524	< 0.005								
254525	0.048								
254526	0.064								
254527	0.102								
254528	0.070								
254529	0.032								
254530	0.036								
254531	< 0.005								
254532	0.017								
254533	0.008								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
254534	0.036								
254535	0.899								
254536	0.677								
254537	0.020								
254538	0.010								
254539	0.014								
254540	0.023								
254541	0.094								
254542	0.097								
254543	0.080								
254544	0.116								
254545	0.083								
254546	0.223								
254547	0.498								
254548	< 0.005								
254549	0.249								
254550	0.353								
254551	0.293								
254552	0.307								
254553	0.124								
254554	0.641								
254555	> 5.000	9.69	13.4	7.87	7.37	8.11	40.54	442.21	482.75
254556	0.087								
254557	0.224								
254558	0.252								
254559	0.931								
254560	0.225								
254561	0.923								
254562	0.822								
254563	0.312								
254564	0.261								
254565	0.091								
254566	0.163								
254567	0.707								
254568	0.227								
254569	1.120								
254570	0.316								
254571	0.366								
254572	< 0.005								
254573	0.559								
254574	0.382								
254575	0.437								
254576	0.207								
254577	0.095								
254578	0.239								
254579	0.343								
254580	0.201								
254581	0.254								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
254582	0.185								
254583	0.276								
254584	1.364								
254585	0.289								
254586	0.289								
254587	0.350								
254588	0.587								
254589	0.193								
254590	0.729								
254591	0.411								
254592	0.239								
254593	0.690								
254594	0.652								
254595	0.009								
254596	< 0.005								
254597	0.123								
254598	0.015								
254599	0.075								
254600	0.062								
254601	0.294								
254602	0.317								
254603	0.546								
254604	0.284								
254605	0.009								
254606	0.106								
254607	0.177								
254608	0.113								
254609	0.089								
254610	0.159								
254611	0.365								
254612	0.480								
254613	0.177								
254614	0.175								
254615	0.557								
254616	0.405								
254617	1.071								
254618	0.368								
254619	0.770								
254620	0.165								
254621	2.376								
254622	0.779								
254623	> 5.000	10.4	41.5	7.54	6.94	10.4	45.75	451.91	497.66
254624	< 0.005								
254625	3.124	2.64							
254626	3.301	3.12							
254627	> 5.000	6.26	14.4	4.74	5.15	5.91	50.48	442.12	492.60
254628	1.963								
254629	> 5.000	9.51	11.1	8.06	7.78	8.19	42.61	452.37	494.98

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
254630	> 5.000	9.86	8.79	6.13	6.73	6.61	38.11	459.32	497.43
254631	1.639								
254632	1.566								
254633	> 5.000	24.8	72.9	8.84	8.23	13.4	37.10	455.39	492.49
254634	1.821								
254635	3.533	4.28							
254636	0.691								
254637	0.537								
254638	1.582								
254639	1.758								
254640	0.433								
254641	1.714		188	4.95	5.30	18.3	35.91	462.36	498.27
254642	1.764	2.72							
254643	0.086								
254644	0.088								
254645	2.889								
254646	> 5.000	5.80	7.85	5.88	6.34	6.23	35.40	467.03	502.43
254647	> 5.000	17.9	58.6	4.94	4.74	8.88	35.91	442.52	478.43
254648	< 0.005								
254649	2.666								
254650	2.315								
254651	2.204								
254652	> 5.000	7.16	28.2	3.97	4.22	5.74	33.83	462.37	496.20
254653	1.694								
254654	3.395	3.87							
254655	> 5.000	9.78	20.8	5.79	6.40	7.42	44.73	449.72	494.45
254656	4.143	4.22							
254657	1.883								
254658	1.051								
254659	2.935		29.5	6.57	6.33	8.40	42.50	459.50	502.00
254660	1.385								
254661	> 5.000	9.17	27.4	3.83	4.18	5.42	29.96	466.40	496.36
254662	2.334								
254663	1.286								
254664	1.612								
254665	2.401								
254666	0.984								
254667	0.452								
254668	0.036								
254669	1.025								
254670	0.716								
254671	0.345								
254672	< 0.005								
254673	0.646								
254674	1.036								
254675	0.021								
254676	0.006								
254677	0.248								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
254678	0.282								
254679	0.299								
254680	0.474								
254681	0.147								
254682	0.326								
254683	0.312								
254684	1.421								
254685	0.486								
254686	0.154								
254687	0.190								
254688	0.860								
254689	0.279								
254690	0.285								
254691	0.356								
254692	0.291								
254693	0.578								
254694	0.074								
254695	0.874								
254696	< 0.005								
254697	0.497								
254698	0.413								
254699	0.195								
254700	0.332								
254701	0.334								
254702	0.194								
254703	1.697								
254704	0.664								
254705	0.795								
254706	0.390								
254707	0.116								
254708	0.216								
254709	> 5.000	7.51	43.0	2.77	2.86	6.51	46.08	454.69	500.77
254710	> 5.000	51.4	236	21.3	23.5	35.9	31.69	473.32	505.01
254711	0.255								
254712	0.470								
254713	0.095								
254714	0.139								
254715	0.730								
254716	0.186								
254717	0.103								
254718	0.479								
254719	0.039								
254720	0.324								
254721	1.244								
254722	1.888								
254723	0.299								
254724	< 0.005								
254725	2.223								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
254726	1.479								
254727	0.678								
254728	0.251								
254729	0.638								
254730	0.756								
254731	0.394								
254732	2.622								
254733	1.812								
254734	0.105								
254735	0.139								
254736	0.695								
254737	0.078								
254738	0.009								
254739	0.082								
254740	> 5.000	6.01	45.2	9.79	10.5	12.5	32.96	469.69	502.65
254741	0.190								
254742	0.723								
254743	0.558								
254744	0.671								
254745	1.197								
254746	0.385								
254747	0.037								
254748	0.007								
254749	0.014								
254750	0.106								
254751	0.055								
254752	0.283								
254753	0.390								
254754	0.228								
254755	1.303								
254756	0.271								
254757	0.167								
254758	0.577								
254759	0.770								
254760	0.219								
254761	0.326								
254762	0.727								
254763	0.101								
254764	0.971								
254765	0.845								
254766	0.288								
254767	0.273								
254768	1.075								
254769	0.012								
254770	< 0.005								
254771	0.009								
254772	< 0.005								
254773	0.014								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
254774	2.334								
254775	0.921								
254776	0.046								
254777	0.061								
254778	0.662								
254779	0.488								
254780	0.589								
254781	0.095								
254782	0.778								
254783	0.710								
254784	1.399								
254785	0.623								
254786	0.344								
254787	0.282								
254788	0.257								
254789	0.032								
254790	0.017								
254791	0.420								
254792	0.091								
254793	0.241								
254794	1.312								
254795	0.217								
254796	< 0.005								
254797	0.682								
254798	0.111								
254799	0.414								
254800	0.351								
254801	0.227								
254802	1.427								
254803	0.389								
254804	0.664								
254805	0.172								
254806	0.232								
254807	0.991								
254808	1.441								
254809	0.974								
254810	0.202								
254811	0.564								
254812	0.476								
254813	0.245								
254814	0.177								
254815	0.707								
254816	0.392								
254817	0.799								
254818	0.245								
254819	0.305								
254820	0.995								
254821	0.405								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
254822	0.440								
254823	0.167								
254824	0.011								
254825	0.300								
254826	0.258								
254827	0.314								
254828	0.462								
254829	0.557								
254830	0.210								
254831	0.635								
254832	0.371								
254833	0.323								
254834	0.406								
254835	< 0.005								
254836	0.695								
254837	0.090								
254838	0.354								
254839	1.810								
254840	0.355								
254841	0.366								
254842	0.131								
254843	0.218								
254844	0.945								
254845	0.419								
254846	1.052								
254847	0.180								
254848	0.007								
254849	0.038								
254850	0.029								
254851	0.060								
254852	0.103								
254853	0.033								
254854	0.029								
254855	0.099								
254856	0.113								
254857	0.073								
254858	0.074								
254859	0.135								
254860	0.217								
254861	0.046								
254862	1.581								
254863	1.182								
254864	0.608								
254865	0.292								
254866	0.588								
254867	0.498								
254868	0.134								
254869	0.068								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
254870	0.138								
254871	0.302								
254872	< 0.005								
254873	0.601								
254874	> 5.000	4.90	3.85	0.71	0.79	0.96	34.51	471.24	505.75
254875	> 5.000	4.19	1.80	4.56	4.32	4.23	38.95	460.10	499.05
254876	1.090								
254877	2.941								
254878	0.321								
254879	0.466								
254880	0.733								
254881	1.064								
254882	2.140								
254883	0.345								
254884	1.396								
254885	0.908								
254886	1.542								
254887	1.185								
254888	> 5.000	12.6	44.8	5.91	6.33	8.86	35.61	468.17	503.78
254889	1.345								
254890	1.022								
254891	0.333								
254892	0.181								
254893	0.218								
254894	0.637								
254895	2.443								
254896	0.007								
254897	0.559								
254898	1.268								
254899	1.292								
254900	0.922								
254901	3.328	3.86							
254902	1.699								
254903	1.199								
254904	0.443								
254905	1.730								
254906	0.528								
254907	0.398								
254908	3.938	3.35							
254909	0.208								
254910	0.242								
254911	0.630								
254912	0.480								
254913	1.420								
254914	1.008								
254915	1.392								
254916	1.279								
254917	2.173								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
254918	1.621								
254919	1.563								
254920	0.016								
254921	0.489								
254922	3.396	3.32							
254923	0.346								
254924	< 0.005								
254925	1.651								
254926	1.565								
254927	0.829								
254928	0.441								
254929	1.187								
254930	0.800								
254931	0.518								
254932	0.660								
254933	4.196	5.07	16.5	4.39	4.94	5.62	39.54	449.47	489.01
254934	0.635								
254935	0.536								
254936	0.685								
254937	0.664								
254938	0.494								
254939	0.192								
254940	0.173								
254941	0.878								
254942	2.088								
254943	0.139								
254944	0.238								
254945	0.156								
254946	0.193								
254947	0.570								
254948	< 0.005								
254949	0.849								
254950	0.639								
254951	0.190								
254952	0.111								
254953	0.030								
254954	0.078								
254955	0.046								
254956	0.011								
254957	0.049								
254958	0.067								
254959	0.038								
254960	0.240								
254961	0.096								
254962	0.155								
254963	0.531								
254964	0.227								
254965	0.136								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.69		
SN75 Cert		8.67		
SN75 Meas		8.81		
SN75 Cert		8.67		
SN75 Meas		8.61		
SN75 Cert		8.67		
SN75 Meas		8.67		
SN75 Cert		8.67		
OREAS 218 Meas	0.537			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.525			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.556			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.543			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.524			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.528			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.524			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.525			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.528			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.527			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.529			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.518			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.511			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.521			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.521			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.526			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.517			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.515			
OREAS 218 Cert	0.531			
OREAS 257 Meas		14.0	14.0	
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		14.3	14.2	
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		14.0	14.1	

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		13.7		
OREAS 257 Cert		14.18		
Oreas E1336 (Fire Assay) Meas	0.518			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.528			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.514			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.514			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.497			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.501			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.521			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.498			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.499			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.503			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.504			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.491			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.496			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.502			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Assay Meas				
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.505			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.493			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.511			
Oreas E1336 (Fire Assay) Cert	0.510			
255495 Orig	< 0.005			
255495 Dup	< 0.005			
254505 Orig	0.046			
254505 Dup	0.071			
254515 Orig	0.050			
254515 Dup	0.039			
254530 Orig	0.035			
254530 Dup	0.037			
254535 Split Orig	0.899			
254535 Split	1.030			
254539 Orig	0.017			
254539 Dup	0.011			
254549 Orig	0.260			
254549 Dup	0.239			
254564 Orig	0.265			
254564 Dup	0.257			
254574 Orig	0.373			
254574 Dup	0.390			
254585 Split Orig	0.289			
254585 Split	0.254			
254586 Orig	0.265			
254586 Dup	0.312			
254598 Orig	0.017			
254598 Dup	0.013			
254608 Orig	0.111			
254608 Dup	0.116			
254633 Orig	> 5.000		13.4	492.49
254633 Dup	> 5.000			
254635 Split Orig	3.533	4.28		
254635 Split	3.830	4.07		
254677 Orig	0.238			
254677 Dup	0.257			
254685 Split Orig	0.486			
254685 Split	0.419			
254686 Orig	0.162			
254686 Dup	0.146			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
254711 Orig	0.201			
254711 Dup	0.308			
254721 Orig	1.275			
254721 Dup	1.214			
254735 Split Orig	0.139			
254735 Split	0.128			
254735 Orig	0.161			
254735 Dup	0.117			
254745 Orig	1.238			
254745 Dup	1.156			
254755 Orig	1.213			
254755 Dup	1.392			
254770 Orig	< 0.005			
254770 Dup	0.007			
254785 Split Orig	0.623			
254785 Split	0.575			
254789 Orig	0.025			
254789 Dup	0.038			
254804 Orig	0.615			
254804 Dup	0.714			
254814 Orig	0.184			
254814 Dup	0.170			
254824 Orig	0.007			
254824 Dup	0.014			
254835 Split Orig	< 0.005			
254835 Split	0.005			
254848 Orig	0.008			
254848 Dup	0.005			
254858 Orig	0.076			
254858 Dup	0.073			
254883 Orig	0.294			
254883 Dup	0.396			
254885 Split Orig	0.908			
254885 Split	0.905			
254907 Orig	0.391			
254907 Dup	0.404			
254908 Orig	3.938	3.13		
254908 Dup		3.57		
254935 Split Orig	0.536			
254935 Split	0.534			
254951 Orig	0.195			
254951 Dup	0.186			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			





IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

Report No.: A20-12112-8-4Acid  
 Report Date: 05-Jan-21  
 Date Submitted: 02-Oct-20  
 Your Reference: 234

ATTN: Alan Smith

## CERTIFICATE OF ANALYSIS

484 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
8-4 Acid Total Digestion	QOP Total Assay (Code 8-4 Acid Total Digestion Assays)	2020-11-16 13:59:08

REPORT **A20-12112-8-4Acid**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.  
 Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256467	< 3	< 0.003	< 0.003	0.074	0.002	< 0.003	< 0.003	< 0.003	0.002
256468	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.002
256469	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.002
256470	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.002
256471	< 3	< 0.003	< 0.003	0.055	0.002	< 0.003	< 0.003	< 0.003	0.004
256472	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256473	< 3	< 0.003	< 0.003	0.071	0.002	< 0.003	< 0.003	< 0.003	0.002
256474	< 3	< 0.003	< 0.003	0.033	0.002	< 0.003	< 0.003	< 0.003	0.002
256475	< 3	< 0.003	< 0.003	0.054	0.002	< 0.003	< 0.003	< 0.003	0.002
256476	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	0.002
256477	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	0.002
256478	< 3	< 0.003	< 0.003	0.039	0.002	< 0.003	< 0.003	< 0.003	0.006
256479	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.002
256480	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	0.001
256481	< 3	< 0.003	< 0.003	0.071	0.002	< 0.003	< 0.003	< 0.003	0.004
256482	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.001
256483	< 3	< 0.003	< 0.003	0.040	0.002	< 0.003	< 0.003	< 0.003	0.004
256484	3	< 0.003	< 0.003	1.08	0.003	0.050	0.004	0.005	0.010
256485	< 3	< 0.003	< 0.003	0.031	0.002	< 0.003	< 0.003	< 0.003	0.005
256486	< 3	< 0.003	< 0.003	0.054	0.002	< 0.003	< 0.003	< 0.003	0.002
256487	< 3	< 0.003	< 0.003	0.117	0.001	< 0.003	< 0.003	< 0.003	0.003
256488	< 3	< 0.003	< 0.003	0.036	0.002	< 0.003	< 0.003	< 0.003	0.011
256489	< 3	< 0.003	< 0.003	0.056	0.002	< 0.003	< 0.003	< 0.003	0.003
256490	< 3	< 0.003	< 0.003	0.040	0.002	< 0.003	< 0.003	< 0.003	0.003
256491	< 3	< 0.003	0.005	0.031	0.007	< 0.003	0.023	0.045	0.224
256492	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	0.003	0.009	0.055
256493	< 3	< 0.003	< 0.003	0.018	0.003	< 0.003	< 0.003	< 0.003	0.003
256494	< 3	< 0.003	< 0.003	0.027	0.003	< 0.003	< 0.003	< 0.003	0.002
256495	< 3	< 0.003	< 0.003	0.094	0.002	< 0.003	< 0.003	< 0.003	0.003
256496	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256497	< 3	< 0.003	< 0.003	0.141	0.002	< 0.003	< 0.003	< 0.003	0.006
256498	< 3	< 0.003	< 0.003	0.111	0.002	< 0.003	< 0.003	< 0.003	0.003
256499	< 3	< 0.003	< 0.003	0.223	0.001	< 0.003	< 0.003	< 0.003	0.003
256500	< 3	< 0.003	< 0.003	0.149	0.002	< 0.003	< 0.003	< 0.003	0.003
1083451	< 3	< 0.003	< 0.003	0.157	0.001	< 0.003	< 0.003	< 0.003	0.003
1083452	< 3	< 0.003	< 0.003	0.154	0.002	< 0.003	< 0.003	< 0.003	0.002
1083453	< 3	< 0.003	< 0.003	0.135	0.002	< 0.003	< 0.003	< 0.003	0.003
1083454	< 3	< 0.003	< 0.003	0.156	0.002	< 0.003	< 0.003	< 0.003	0.003
1083455	< 3	< 0.003	< 0.003	0.160	0.001	< 0.003	< 0.003	< 0.003	0.003
1083456	< 3	< 0.003	< 0.003	0.033	0.003	< 0.003	< 0.003	< 0.003	0.001
1083457	< 3	< 0.003	< 0.003	0.131	0.001	< 0.003	< 0.003	< 0.003	0.002
1083458	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.001
1083459	< 3	< 0.003	< 0.003	0.155	0.001	< 0.003	< 0.003	< 0.003	0.003
1083460	< 3	< 0.003	< 0.003	0.281	0.004	0.007	0.006	< 0.003	0.008
1083461	< 3	< 0.003	< 0.003	0.202	0.002	< 0.003	< 0.003	< 0.003	0.003
1083462	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083463	< 3	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	< 0.003	0.002
1083464	< 3	< 0.003	< 0.003	0.129	0.001	< 0.003	< 0.003	< 0.003	0.003
1083465	< 3	< 0.003	< 0.003	0.143	0.002	< 0.003	< 0.003	< 0.003	0.003



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1083466	< 3	< 0.003	< 0.003	0.168	0.002	0.009	< 0.003	< 0.003	0.003
1083467	< 3	< 0.003	< 0.003	0.117	0.002	0.006	< 0.003	< 0.003	0.002
1083468	< 3	< 0.003	< 0.003	0.082	0.002	< 0.003	< 0.003	< 0.003	0.002
1083469	< 3	< 0.003	< 0.003	0.150	0.002	< 0.003	< 0.003	< 0.003	0.002
1083470	< 3	< 0.003	< 0.003	0.166	0.002	< 0.003	< 0.003	< 0.003	0.003
1083471	< 3	< 0.003	< 0.003	0.136	0.002	< 0.003	< 0.003	< 0.003	0.003
1083472	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083473	< 3	< 0.003	< 0.003	0.111	0.002	< 0.003	< 0.003	< 0.003	0.003
1083474	< 3	< 0.003	< 0.003	0.053	0.002	< 0.003	< 0.003	< 0.003	0.002
1083475	< 3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	< 0.003	0.002
1083476	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.002
1083477	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
1083478	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.001
1083479	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
1083480	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1083481	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	0.004
1083482	< 3	< 0.003	< 0.003	0.049	0.002	< 0.003	< 0.003	< 0.003	0.005
1083483	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.005
1083484	4	< 0.003	< 0.003	1.12	0.003	0.051	0.004	0.005	0.011
1083485	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.004
1083486	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.006
1083487	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.005
1083488	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.005
1083489	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
1083490	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.003
1083491	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.005
1083492	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.004
1083493	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.004
1083494	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1083495	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1083496	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1083497	< 3	< 0.003	< 0.003	0.089	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1083498	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.005
1083499	< 3	< 0.003	0.004	0.029	0.001	< 0.003	< 0.003	< 0.003	0.006
1083500	< 3	< 0.003	0.004	0.002	0.003	< 0.003	< 0.003	< 0.003	0.008
1081501	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.006
1081502	< 3	< 0.003	0.004	0.003	0.003	< 0.003	< 0.003	< 0.003	0.007
1081503	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081504	< 3	< 0.003	0.006	0.017	0.001	< 0.003	0.006	< 0.003	0.012
1081505	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
1081506	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.005
1081507	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.006
1081508	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.005
1081509	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.006
1081510	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.006
1081511	< 3	< 0.003	0.006	0.016	0.002	< 0.003	0.006	< 0.003	0.010
1081512	< 3	< 0.003	< 0.003	0.790	0.004	0.022	0.003	< 0.003	0.011
1081513	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.004
1081514	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.004
1081515	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1081516	< 3	< 0.003	0.006	0.017	0.001	< 0.003	0.006	< 0.003	0.012
1081517	< 3	< 0.003	0.006	0.017	0.001	< 0.003	0.006	< 0.003	0.013
1081518	< 3	< 0.003	0.006	0.017	0.001	< 0.003	0.006	< 0.003	0.012
1081519	< 3	< 0.003	< 0.003	0.001	0.001	< 0.003	< 0.003	< 0.003	0.001
1081520	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081521	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081522	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1081523	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081524	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081525	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081526	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081527	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081528	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081529	< 3	< 0.003	< 0.003	0.160	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081530	< 3	< 0.003	< 0.003	0.148	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081531	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081532	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081533	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081534	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081535	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081536	< 3	< 0.003	< 0.003	0.534	0.004	0.019	0.006	< 0.003	0.009
1081537	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081538	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081539	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081540	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081541	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081542	< 3	< 0.003	< 0.003	0.130	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081543	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081544	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081545	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.001
1081546	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081547	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081548	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081549	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081550	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081551	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081552	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081553	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081554	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081555	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081556	< 3	< 0.003	< 0.003	0.068	0.001	< 0.003	< 0.003	< 0.003	0.001
1081557	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
1081558	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081559	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081560	4	< 0.003	< 0.003	1.09	0.003	0.040	0.004	0.006	0.010
1081561	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
1081562	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
1081563	< 3	< 0.003	< 0.003	0.031	0.002	< 0.003	< 0.003	< 0.003	0.003
1081564	< 3	< 0.003	< 0.003	0.095	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1081565	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081566	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081567	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081568	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081569	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081570	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081571	< 3	< 0.003	< 0.003	0.052	0.001	< 0.003	< 0.003	< 0.003	0.001
1081572	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081573	< 3	< 0.003	< 0.003	0.148	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081574	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081575	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.002
1081576	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.002
1081577	< 3	< 0.003	< 0.003	0.052	0.001	< 0.003	< 0.003	< 0.003	0.002
1081578	< 3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	< 0.003	0.001
1081579	< 3	< 0.003	< 0.003	0.067	0.002	< 0.003	< 0.003	< 0.003	0.001
1081580	< 3	< 0.003	< 0.003	0.075	0.002	< 0.003	< 0.003	< 0.003	0.001
1081581	< 3	< 0.003	< 0.003	0.101	0.002	< 0.003	< 0.003	< 0.003	0.001
1081582	< 3	< 0.003	< 0.003	0.055	0.002	< 0.003	< 0.003	< 0.003	0.002
1081583	< 3	< 0.003	< 0.003	0.054	0.002	< 0.003	< 0.003	< 0.003	0.002
1081584	4	< 0.003	< 0.003	1.11	0.003	0.041	0.004	0.005	0.010
1081585	< 3	< 0.003	< 0.003	0.075	0.002	< 0.003	< 0.003	< 0.003	0.002
1081586	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	0.002
1081587	< 3	< 0.003	< 0.003	0.061	0.002	< 0.003	< 0.003	< 0.003	0.002
1081588	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.003
1081589	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081590	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081591	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081592	< 3	< 0.003	0.003	0.006	0.005	< 0.003	0.012	< 0.003	0.009
1081593	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081594	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081595	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
1081596	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081597	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.002
1081598	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.002
1081599	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081600	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081601	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081602	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081603	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081604	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081605	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081606	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.002
1081607	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081608	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081609	< 3	< 0.003	< 0.003	0.065	0.001	< 0.003	< 0.003	< 0.003	0.002
1081610	< 3	< 0.003	< 0.003	0.065	0.001	< 0.003	< 0.003	< 0.003	0.002
1081611	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.002
1081612	< 3	< 0.003	< 0.003	0.767	0.004	0.013	0.003	< 0.003	0.011
1081613	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081614	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.002

## Results

## Activation Laboratories Ltd.

Report: A20-12112

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1081615	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081616	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081617	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081618	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081619	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081620	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081621	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081622	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081623	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081624	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081625	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081626	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081627	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081628	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081629	< 3	< 0.003	< 0.003	0.093	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081630	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081631	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081632	< 3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081633	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081634	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081635	< 3	< 0.003	< 0.003	0.059	0.002	< 0.003	< 0.003	< 0.003	0.001
1081636	< 3	< 0.003	< 0.003	0.531	0.004	0.023	0.003	< 0.003	0.009
1081637	< 3	< 0.003	< 0.003	0.107	0.002	< 0.003	< 0.003	< 0.003	0.003
1081638	< 3	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	< 0.003	0.002
1081639	< 3	< 0.003	< 0.003	0.061	0.002	< 0.003	< 0.003	< 0.003	0.002
1081640	< 3	< 0.003	< 0.003	0.043	0.002	< 0.003	< 0.003	< 0.003	0.002
1081641	< 3	< 0.003	< 0.003	0.044	0.002	< 0.003	< 0.003	< 0.003	0.003
1081642	< 3	< 0.003	< 0.003	0.179	0.002	< 0.003	< 0.003	< 0.003	0.005
1081643	< 3	< 0.003	< 0.003	0.333	0.002	< 0.003	< 0.003	< 0.003	0.005
1081644	< 3	< 0.003	< 0.003	0.090	0.002	< 0.003	< 0.003	< 0.003	0.002
1081645	< 3	< 0.003	< 0.003	0.044	0.002	< 0.003	< 0.003	< 0.003	0.002
1081646	< 3	< 0.003	< 0.003	0.102	0.002	< 0.003	< 0.003	< 0.003	0.003
1081647	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1081648	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081649	< 3	< 0.003	< 0.003	0.065	0.001	< 0.003	< 0.003	< 0.003	0.005
1081650	< 3	< 0.003	< 0.003	0.068	0.001	< 0.003	< 0.003	< 0.003	0.005
1081651	< 3	< 0.003	< 0.003	0.139	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1081652	< 3	< 0.003	< 0.003	0.156	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081653	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081654	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081655	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081656	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081657	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081658	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081659	4	< 0.003	< 0.003	0.383	0.001	< 0.003	< 0.003	< 0.003	0.002
1081660	< 3	< 0.003	< 0.003	0.280	0.004	0.006	0.006	< 0.003	0.008
1081661	< 3	< 0.003	< 0.003	0.112	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081662	< 3	< 0.003	< 0.003	0.123	0.001	< 0.003	< 0.003	< 0.003	0.002
1081663	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1081664	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081665	< 3	< 0.003	< 0.003	0.052	0.001	< 0.003	< 0.003	< 0.003	0.003
1081666	< 3	< 0.003	< 0.003	0.282	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081667	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081668	< 3	< 0.003	< 0.003	0.155	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081669	6	< 0.003	< 0.003	0.790	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1081670	8	< 0.003	< 0.003	1.41	0.001	< 0.003	< 0.003	< 0.003	0.005
1081671	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081672	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081673	< 3	< 0.003	< 0.003	0.135	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081674	< 3	< 0.003	< 0.003	0.230	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081675	< 3	< 0.003	< 0.003	0.234	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1081676	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081677	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081678	< 3	< 0.003	< 0.003	0.103	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081679	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081680	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081681	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081682	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081683	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081684	4	< 0.003	< 0.003	1.08	0.003	0.047	0.005	0.005	0.010
1081685	5	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081686	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081687	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081688	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081689	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081690	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081691	< 3	< 0.003	< 0.003	0.098	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081692	< 3	< 0.003	< 0.003	0.131	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081693	< 3	< 0.003	0.004	0.007	0.002	< 0.003	0.003	< 0.003	0.011
1081694	< 3	< 0.003	0.005	0.013	0.002	< 0.003	0.004	< 0.003	0.014
1081695	< 3	< 0.003	0.004	0.014	0.003	< 0.003	0.004	< 0.003	0.014
1081696	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081697	< 3	< 0.003	0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.011
1081698	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081699	< 3	< 0.003	< 0.003	0.133	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081700	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081701	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081702	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081703	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081704	< 3	< 0.003	< 0.003	0.018	0.003	< 0.003	0.003	< 0.003	0.004
1081705	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
1081706	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	0.003
1081707	< 3	< 0.003	< 0.003	0.032	0.002	< 0.003	< 0.003	< 0.003	0.004
1081708	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.003
1081709	< 3	< 0.003	< 0.003	0.054	0.001	< 0.003	< 0.003	< 0.003	0.004
1081710	< 3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	< 0.003	0.002
1081711	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081712	< 3	< 0.003	< 0.003	0.789	0.004	0.019	0.004	< 0.003	0.011
1081713	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1081714	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081715	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081716	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081717	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081718	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081719	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081720	< 3	< 0.003	< 0.003	0.073	0.002	< 0.003	< 0.003	< 0.003	0.002
1081721	9	< 0.003	< 0.003	0.263	0.002	< 0.003	< 0.003	< 0.003	0.002
1081722	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.002
1081723	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.001
1081724	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081725	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.002
1081726	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081727	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081728	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081729	< 3	< 0.003	< 0.003	0.094	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081730	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081731	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081732	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081733	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081734	< 3	< 0.003	< 0.003	0.069	0.001	< 0.003	< 0.003	< 0.003	0.002
1081735	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081736	< 3	< 0.003	< 0.003	0.540	0.003	0.028	0.006	< 0.003	0.009
1081737	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081738	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081739	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081740	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081741	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081742	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081743	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081744	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081745	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081746	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081747	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081748	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081749	< 3	< 0.003	< 0.003	0.049	0.001	0.007	< 0.003	< 0.003	0.002
1081750	< 3	< 0.003	< 0.003	0.047	0.001	0.024	< 0.003	< 0.003	0.001
1081751	< 3	< 0.003	< 0.003	0.027	0.001	< 0.003	< 0.003	< 0.003	0.002
1081752	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	0.001
1081753	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081754	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081755	3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081756	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081757	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081758	< 3	< 0.003	< 0.003	0.215	0.001	< 0.003	< 0.003	< 0.003	0.004
1081759	< 3	< 0.003	< 0.003	0.178	0.001	< 0.003	< 0.003	< 0.003	0.004
1081760	< 3	< 0.003	< 0.003	0.278	0.004	0.008	0.006	< 0.003	0.008
1081761	< 3	< 0.003	< 0.003	0.191	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1081762	< 3	< 0.003	< 0.003	0.097	< 0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1081763	< 3	< 0.003	< 0.003	0.168	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081764	< 3	< 0.003	< 0.003	0.053	0.001	< 0.003	< 0.003	< 0.003	0.002
1081765	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081766	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081767	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081768	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.001
1081769	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.001
1081770	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.002
1081771	< 3	< 0.003	< 0.003	0.099	0.001	< 0.003	< 0.003	< 0.003	0.001
1081772	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081773	4	< 0.003	< 0.003	0.085	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081774	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	0.003
1081775	4	< 0.003	< 0.003	0.063	0.001	< 0.003	< 0.003	< 0.003	0.001
1081776	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081777	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081778	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081779	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081780	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081781	< 3	< 0.003	< 0.003	0.138	0.001	< 0.003	< 0.003	< 0.003	0.002
1081782	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.010
1081783	3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081784	< 3	< 0.003	< 0.003	1.11	0.003	0.048	0.004	< 0.003	0.011
1081785	< 3	< 0.003	< 0.003	0.058	0.001	< 0.003	< 0.003	< 0.003	0.004
1081786	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081787	< 3	< 0.003	< 0.003	0.129	0.001	< 0.003	< 0.003	< 0.003	0.006
1081788	< 3	< 0.003	< 0.003	0.065	0.001	< 0.003	< 0.003	< 0.003	0.006
1081789	3	< 0.003	< 0.003	0.110	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081790	< 3	< 0.003	< 0.003	0.119	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081791	< 3	< 0.003	< 0.003	0.046	0.001	< 0.003	< 0.003	< 0.003	0.002
1081792	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.002
1081793	< 3	< 0.003	< 0.003	0.042	0.002	< 0.003	< 0.003	< 0.003	0.001
1081794	< 3	< 0.003	< 0.003	0.072	0.001	< 0.003	< 0.003	< 0.003	0.003
1081795	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081796	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081797	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081798	3	< 0.003	< 0.003	0.089	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081799	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081800	< 3	< 0.003	< 0.003	0.114	0.001	< 0.003	< 0.003	< 0.003	0.002
1081801	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081802	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081803	< 3	< 0.003	< 0.003	0.067	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081804	< 3	< 0.003	< 0.003	0.145	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081805	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081806	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081807	< 3	< 0.003	0.004	0.083	0.002	< 0.003	0.012	< 0.003	0.005
1081808	< 3	< 0.003	0.005	0.139	0.002	< 0.003	0.010	< 0.003	0.003
1081809	< 3	< 0.003	0.004	0.217	0.002	< 0.003	0.006	< 0.003	0.004
1081810	< 3	< 0.003	0.003	0.263	0.002	< 0.003	0.005	< 0.003	0.004
1081811	< 3	< 0.003	< 0.003	0.078	0.002	< 0.003	0.006	< 0.003	0.002
1081812	< 3	< 0.003	< 0.003	0.769	0.004	0.020	0.004	< 0.003	0.011

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1081813	< 3	< 0.003	< 0.003	0.059	0.001	< 0.003	< 0.003	< 0.003	0.001
1081814	< 3	< 0.003	< 0.003	0.089	0.003	< 0.003	0.003	< 0.003	0.003
1081815	< 3	< 0.003	< 0.003	0.208	0.002	< 0.003	< 0.003	< 0.003	0.001
1081816	< 3	< 0.003	< 0.003	0.267	0.002	< 0.003	< 0.003	< 0.003	0.002
1081817	< 3	< 0.003	< 0.003	0.223	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1081818	< 3	< 0.003	< 0.003	0.359	0.001	< 0.003	< 0.003	< 0.003	0.001
1081819	< 3	< 0.003	< 0.003	0.141	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081820	< 3	< 0.003	< 0.003	0.159	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1081821	< 3	< 0.003	< 0.003	0.127	0.003	< 0.003	0.009	< 0.003	0.006
1081822	< 3	< 0.003	< 0.003	0.063	0.001	< 0.003	< 0.003	< 0.003	0.001
1081823	< 3	< 0.003	< 0.003	0.129	0.002	< 0.003	< 0.003	< 0.003	0.004
1081824	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081825	< 3	< 0.003	< 0.003	0.220	0.001	< 0.003	< 0.003	< 0.003	0.004
1081826	< 3	< 0.003	< 0.003	0.108	0.002	< 0.003	< 0.003	< 0.003	0.003
1081827	< 3	< 0.003	< 0.003	0.097	0.002	< 0.003	< 0.003	< 0.003	0.003
1081828	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1081829	< 3	< 0.003	< 0.003	0.120	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081830	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081831	< 3	< 0.003	< 0.003	0.058	0.001	< 0.003	< 0.003	< 0.003	0.006
1081832	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.003
1081833	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081834	< 3	< 0.003	< 0.003	0.255	0.001	< 0.003	< 0.003	< 0.003	0.004
1081835	< 3	< 0.003	0.003	0.008	0.005	< 0.003	< 0.003	< 0.003	0.007
1081836	< 3	< 0.003	< 0.003	0.539	0.004	0.028	0.004	< 0.003	0.008
1081837	< 3	< 0.003	0.003	0.009	0.003	< 0.003	< 0.003	< 0.003	0.007
1081838	< 3	< 0.003	< 0.003	0.036	0.002	< 0.003	< 0.003	< 0.003	0.002
1081839	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081840	< 3	< 0.003	< 0.003	0.135	0.001	< 0.003	< 0.003	< 0.003	0.003
1081841	< 3	< 0.003	< 0.003	0.117	0.002	0.014	< 0.003	< 0.003	0.004
1081842	< 3	< 0.003	< 0.003	0.281	0.001	< 0.003	< 0.003	< 0.003	0.005
1081843	< 3	< 0.003	< 0.003	0.069	0.001	< 0.003	< 0.003	< 0.003	0.001
1081844	< 3	< 0.003	< 0.003	0.307	0.001	< 0.003	< 0.003	< 0.003	0.004
1081845	< 3	< 0.003	< 0.003	0.077	0.001	< 0.003	< 0.003	< 0.003	0.001
1081846	< 3	< 0.003	< 0.003	0.143	0.002	< 0.003	< 0.003	< 0.003	0.003
1081847	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	0.002
1081848	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081849	< 3	< 0.003	< 0.003	0.075	0.002	< 0.003	< 0.003	< 0.003	0.002
1081850	< 3	< 0.003	< 0.003	0.171	0.002	< 0.003	< 0.003	< 0.003	0.002
1081851	< 3	< 0.003	< 0.003	0.066	0.001	< 0.003	< 0.003	< 0.003	0.002
1081852	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081853	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081854	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081855	< 3	< 0.003	< 0.003	0.095	0.001	< 0.003	< 0.003	< 0.003	0.003
1081856	< 3	< 0.003	< 0.003	0.067	0.001	< 0.003	< 0.003	< 0.003	0.004
1081857	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081858	< 3	< 0.003	< 0.003	0.143	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081859	< 3	< 0.003	< 0.003	0.103	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081860	< 3	< 0.003	< 0.003	0.274	0.002	0.008	0.006	< 0.003	0.008
1081861	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.006



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1081862	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081863	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081864	< 3	< 0.003	< 0.003	0.135	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081865	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081866	< 3	< 0.003	0.006	0.017	< 0.001	< 0.003	0.008	< 0.003	0.010
1081867	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1081868	< 3	< 0.003	< 0.003	0.164	< 0.001	< 0.003	< 0.003	< 0.003	0.008
1081869	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081870	< 3	< 0.003	< 0.003	0.097	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1081871	< 3	< 0.003	< 0.003	0.174	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1081872	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081873	< 3	< 0.003	< 0.003	0.129	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081874	< 3	< 0.003	< 0.003	0.115	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081875	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081876	< 3	< 0.003	< 0.003	0.048	0.002	< 0.003	0.005	< 0.003	0.008
1081877	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081878	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081879	< 3	< 0.003	< 0.003	0.237	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1081880	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081881	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081882	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081883	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081884	4	< 0.003	< 0.003	1.06	0.001	0.051	0.005	0.006	0.010
1081885	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081886	276	0.006	0.076	1.71	< 0.001	< 0.003	0.054	< 0.003	0.261
1081887	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081888	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081889	< 3	< 0.003	< 0.003	0.124	< 0.001	< 0.003	< 0.003	< 0.003	0.009
1081890	< 3	< 0.003	< 0.003	0.143	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1081891	< 3	< 0.003	0.004	0.006	0.002	< 0.003	0.011	< 0.003	0.008
1081892	< 3	< 0.003	< 0.003	0.103	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081893	< 3	< 0.003	0.005	0.036	0.002	< 0.003	0.011	< 0.003	0.006
1081894	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081895	3	< 0.003	< 0.003	0.111	< 0.001	0.004	< 0.003	< 0.003	0.004
1081896	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081897	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081898	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081899	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081900	< 3	< 0.003	< 0.003	0.137	< 0.001	0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	133		2.12	24.3			45.7		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	126		2.02	23.9			45.7		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	130		2.07	24.3			46.0		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	129		2.06	25.1			45.5		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	129		2.12	24.6			45.8		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.076	1.02			2.15		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.073	0.993			2.11		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.071	0.943			2.06		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.074	0.993			2.16		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.593		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.583		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.612		0.048	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.578		0.038	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.587		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.009		1.45	< 0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.50	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.47	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.44	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.008		1.46	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4	213	0.055	0.011	0.132				13.4	18.1

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
ACID) Meas									
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	207	0.055	0.011	0.129				13.5	17.8
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	214	0.055	0.011	0.135				13.3	17.9
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	210	0.057	0.011	0.134				13.5	17.6
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	212	0.057	0.011	0.137				13.3	18.1
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	46	0.051		3.01		0.026		2.13	16.4
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.052		3.03		0.027		2.08	16.5
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	50	0.052		3.07		0.025		2.10	16.9
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.054		3.10		0.016		2.08	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	49	0.053		3.10		0.026		2.11	17.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.006	6.20				0.016	0.063
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	20		0.007	6.27				0.015	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	20		0.007	6.27				0.014	0.064
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.17				0.016	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.006	6.37				0.014	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	43		0.012	14.2				0.030	0.133
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.8				0.033	0.137

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.9				0.033	0.134
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.8				0.032	0.136
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.212				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.218				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.220				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.217				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.216				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.79				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.88				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.85				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
CZN-4 Meas	49	0.247	0.009	0.413				0.187	54.6
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.253	0.009	0.398				0.187	54.2
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	53	0.252	0.010	0.420				0.185	54.9
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
CZN-4 Meas	52	0.263	0.009	0.418				0.182	54.7
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.263	0.010	0.407				0.178	54.4
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.18				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.78				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.77				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.86				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	52		0.313	7.66			11.2	0.084	0.214
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.319	7.72			11.3	0.081	0.205
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	57		0.320	7.86			11.4	0.082	0.208
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.324	7.72			11.4	0.079	0.207
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.334	7.95			11.6	0.078	0.209
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	210	0.007	0.031	22.3				0.715	3.00
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	201	0.007	0.030	22.9				0.699	2.94
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	203	0.007	0.031	22.5				0.689	3.01
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	211	0.007	0.032	21.8				0.702	2.98
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	205	0.007	0.032	23.3				0.691	3.05
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 96 (4 Acid) Meas	10		0.005	4.15				0.013	0.048
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.97				0.010	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.88				0.018	0.047
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.94				0.012	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	4.00				0.009	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
256479 Orig	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.002
256479 Dup	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.002
256492 Orig	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	0.003	0.008	0.055
256492 Dup	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	0.003	0.009	0.055
256500 Orig	< 3	< 0.003	< 0.003	0.150	0.002	< 0.003	< 0.003	< 0.003	0.003
256500 Dup	< 3	< 0.003	< 0.003	0.148	0.002	< 0.003	< 0.003	< 0.003	0.003
1083466 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.168	0.002	0.009	< 0.003	< 0.003	0.003
1083466 Split PREP DUP	< 3	< 0.003	< 0.003	0.169	0.002	0.006	< 0.003	< 0.003	0.003
1083474 Orig	< 3	< 0.003	< 0.003	0.052	0.002	< 0.003	< 0.003	< 0.003	0.002
1083474 Dup	< 3	< 0.003	< 0.003	0.053	0.002	< 0.003	< 0.003	< 0.003	0.002
1083482 Orig	< 3	< 0.003	< 0.003	0.050	0.002	< 0.003	< 0.003	< 0.003	0.005
1083482 Dup	< 3	< 0.003	< 0.003	0.049	0.002	< 0.003	< 0.003	< 0.003	0.005
1081507 Orig	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.005
1081507 Dup	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.006
1081515 Orig	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.003
1081515 Dup	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.003
1081516 Split Orig PREP DUP	< 3	< 0.003	0.006	0.017	0.001	< 0.003	0.006	< 0.003	0.012
1081516 Split PREP DUP	< 3	< 0.003	0.006	0.017	0.001	< 0.003	0.006	< 0.003	0.012
1081539 Orig	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081539 Dup	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081552 Orig	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081552 Dup	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081560 Orig	4	< 0.003	< 0.003	1.08	0.003	0.040	0.004	0.006	0.010
1081560 Dup	4	< 0.003	< 0.003	1.10	0.003	0.040	0.003	0.006	0.010
1081566 Split Orig	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081566 Split	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081584 Orig	5	< 0.003	< 0.003	1.10	0.003	0.040	0.003	0.005	0.010
1081584 Dup	4	< 0.003	< 0.003	1.12	0.003	0.043	0.004	0.005	0.010

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1081592 Orig	< 3	< 0.003	0.003	0.005	0.005	< 0.003	0.012	< 0.003	0.009
1081592 Dup	< 3	< 0.003	0.003	0.007	0.005	< 0.003	0.012	< 0.003	0.009
1081616 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081616 Split PREP DUP	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081616 Orig	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081616 Dup	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081624 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081624 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1081649 Orig	< 3	< 0.003	< 0.003	0.065	0.001	< 0.003	< 0.003	< 0.003	0.005
1081649 Dup	< 3	< 0.003	< 0.003	0.065	0.001	< 0.003	< 0.003	< 0.003	0.005
1081662 Orig	< 3	< 0.003	< 0.003	0.123	0.001	< 0.003	< 0.003	< 0.003	0.003
1081662 Dup	< 3	< 0.003	< 0.003	0.124	0.001	< 0.003	< 0.003	< 0.003	0.002
1081666 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.282	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1081666 Split PREP DUP	< 3	< 0.003	< 0.003	0.283	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081669 Orig	7	< 0.003	< 0.003	0.789	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1081669 Dup	4	< 0.003	< 0.003	0.790	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1081694 Orig	< 3	< 0.003	0.005	0.012	0.002	< 0.003	0.004	< 0.003	0.013
1081694 Dup	< 3	< 0.003	0.004	0.014	0.002	< 0.003	0.004	< 0.003	0.014
1081702 Orig	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081702 Dup	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081716 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081716 Split PREP DUP	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081726 Orig	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081726 Dup	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081734 Orig	< 3	< 0.003	< 0.003	0.068	0.001	< 0.003	< 0.003	< 0.003	0.002
1081734 Dup	< 3	< 0.003	< 0.003	0.071	0.001	< 0.003	< 0.003	< 0.003	0.002
1081759 Orig	< 3	< 0.003	< 0.003	0.176	0.001	< 0.003	< 0.003	< 0.003	0.004
1081759 Dup	< 3	< 0.003	< 0.003	0.181	0.001	< 0.003	< 0.003	< 0.003	0.003
1081766 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081766 Split PREP DUP	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081771 Orig	< 3	< 0.003	< 0.003	0.098	0.001	< 0.003	< 0.003	< 0.003	0.001
1081771 Dup	5	< 0.003	< 0.003	0.101	0.001	< 0.003	< 0.003	< 0.003	0.001
1081779 Orig	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081779 Dup	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1081804 Orig	< 3	< 0.003	< 0.003	0.142	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081804 Dup	< 3	< 0.003	< 0.003	0.148	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1081812 Orig	< 3	< 0.003	< 0.003	0.762	0.004	0.019	0.004	< 0.003	0.011
1081812 Dup	< 3	< 0.003	< 0.003	0.776	0.004	0.021	0.004	< 0.003	0.011
1081816 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.267	0.002	< 0.003	< 0.003	< 0.003	0.002
1081816 Split PREP DUP	< 3	< 0.003	< 0.003	0.273	0.002	< 0.003	< 0.003	< 0.003	0.002
1081836 Orig	< 3	< 0.003	< 0.003	0.537	0.004	0.028	0.004	< 0.003	0.008
1081836 Dup	< 3	< 0.003	< 0.003	0.541	0.004	0.028	0.004	< 0.003	0.008







Report No.: A20-12112-Au
Report Date: 01-Dec-20
Date Submitted: 02-Oct-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

484 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2-Timmins (ppm) | GOP AA-Au (Au - Fire Assay AA) | 2020-11-02 13:58:36

REPORT A20-12112-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
256467	0.685								
256468	0.189								
256469	0.338								
256470	0.120								
256471	0.215								
256472	< 0.005								
256473	0.097								
256474	0.079								
256475	0.094								
256476	0.036								
256477	0.044								
256478	0.116								
256479	0.043								
256480	0.036								
256481	0.161								
256482	0.475								
256483	0.448								
256484	1.405								
256485	0.318								
256486	0.202								
256487	1.379								
256488	1.900								
256489	0.173								
256490	0.111								
256491	0.262								
256492	< 0.005								
256493	0.259								
256494	0.616								
256495	0.220								
256496	< 0.005								
256497	0.292								
256498	1.500								
256499	1.091								
256500	0.161								
1083451	0.350								
1083452	0.319								
1083453	0.240								
1083454	0.261								
1083455	0.504								
1083456	0.065								
1083457	0.670								
1083458	0.289								
1083459	0.463								
1083460	0.209								
1083461	0.168								
1083462	< 0.005								
1083463	0.115								
1083464	0.892								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
1083465	0.236								
1083466	0.577								
1083467	0.222								
1083468	0.109								
1083469	0.322								
1083470	0.351								
1083471	0.218								
1083472	< 0.005								
1083473	0.500								
1083474	0.296								
1083475	0.621								
1083476	0.035								
1083477	0.018								
1083478	0.008								
1083479	0.057								
1083480	0.036								
1083481	0.030								
1083482	0.053								
1083483	0.009								
1083484	1.430								
1083485	< 0.005								
1083486	< 0.005								
1083487	< 0.005								
1083488	< 0.005								
1083489	< 0.005								
1083490	< 0.005								
1083491	< 0.005								
1083492	< 0.005								
1083493	0.041								
1083494	0.015								
1083495	< 0.005								
1083496	< 0.005								
1083497	0.158								
1083498	0.030								
1083499	0.391								
1083500	< 0.005								
1081501	< 0.005								
1081502	< 0.005								
1081503	< 0.005								
1081504	< 0.005								
1081505	< 0.005								
1081506	0.005								
1081507	< 0.005								
1081508	< 0.005								
1081509	< 0.005								
1081510	0.005								
1081511	< 0.005								
1081512	0.460								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
1081513	< 0.005								
1081514	0.005								
1081515	< 0.005								
1081516	< 0.005								
1081517	< 0.005								
1081518	0.008								
1081519	< 0.005								
1081520	0.009								
1081521	0.018								
1081522	0.031								
1081523	0.046								
1081524	< 0.005								
1081525	0.060								
1081526	0.107								
1081527	0.142								
1081528	0.029								
1081529	0.320								
1081530	0.295								
1081531	0.110								
1081532	0.115								
1081533	0.014								
1081534	0.047								
1081535	0.141								
1081536	0.702								
1081537	0.188								
1081538	0.141								
1081539	0.038								
1081540	0.052								
1081541	0.077								
1081542	0.603								
1081543	0.188								
1081544	0.325								
1081545	0.355								
1081546	0.014								
1081547	0.034								
1081548	< 0.005								
1081549	0.062								
1081550	0.196								
1081551	0.046								
1081552	0.068								
1081553	0.058								
1081554	0.010								
1081555	0.082								
1081556	0.059								
1081557	0.011								
1081558	0.085								
1081559	0.031								
1081560	1.436								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
1081561	0.010								
1081562	0.035								
1081563	0.015								
1081564	0.113								
1081565	0.022								
1081566	0.007								
1081567	0.006								
1081568	< 0.005								
1081569	0.098								
1081570	0.047								
1081571	0.082								
1081572	< 0.005								
1081573	0.222								
1081574	0.077								
1081575	0.069								
1081576	0.026								
1081577	0.032								
1081578	0.036								
1081579	0.057								
1081580	0.131								
1081581	0.176								
1081582	0.076								
1081583	0.085								
1081584	1.371								
1081585	0.185								
1081586	0.015								
1081587	0.091								
1081588	0.078								
1081589	0.022								
1081590	< 0.005								
1081591	0.172								
1081592	0.007								
1081593	0.084								
1081594	0.034								
1081595	0.009								
1081596	< 0.005								
1081597	0.040								
1081598	0.030								
1081599	0.045								
1081600	0.031								
1081601	0.013								
1081602	0.009								
1081603	0.005								
1081604	0.009								
1081605	< 0.005								
1081606	0.038								
1081607	0.053								
1081608	0.057								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
1081609	0.133								
1081610	0.336								
1081611	0.043								
1081612	0.464								
1081613	0.092								
1081614	0.035								
1081615	0.177								
1081616	0.074								
1081617	0.090								
1081618	0.105								
1081619	0.121								
1081620	0.133								
1081621	0.156								
1081622	0.046								
1081623	0.039								
1081624	< 0.005								
1081625	0.063								
1081626	0.049								
1081627	0.036								
1081628	0.075								
1081629	0.135								
1081630	0.165								
1081631	0.123								
1081632	0.130								
1081633	0.127								
1081634	0.075								
1081635	0.032								
1081636	0.690								
1081637	0.387								
1081638	2.391								
1081639	0.069								
1081640	0.094								
1081641	0.014								
1081642	0.049								
1081643	0.071								
1081644	0.431								
1081645	2.096								
1081646	0.056								
1081647	0.629								
1081648	< 0.005								
1081649	0.062								
1081650	0.090								
1081651	0.086								
1081652	0.166								
1081653	0.096								
1081654	0.094								
1081655	0.105								
1081656	< 0.005								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
1081657	< 0.005								
1081658	0.013								
1081659	1.225								
1081660	0.214								
1081661	0.205								
1081662	0.100								
1081663	0.036								
1081664	< 0.005								
1081665	0.156								
1081666	0.072								
1081667	0.036								
1081668	0.483								
1081669	0.910								
1081670	1.812								
1081671	< 0.005								
1081672	< 0.005								
1081673	2.278								
1081674	0.565								
1081675	0.562								
1081676	0.182								
1081677	0.136								
1081678	0.130								
1081679	0.072								
1081680	0.099								
1081681	0.128								
1081682	0.086								
1081683	0.017								
1081684	1.386								
1081685	0.052								
1081686	0.049								
1081687	0.369								
1081688	0.115								
1081689	0.126								
1081690	0.130								
1081691	0.556								
1081692	1.185								
1081693	0.017								
1081694	0.009								
1081695	< 0.005								
1081696	< 0.005								
1081697	0.012								
1081698	0.542								
1081699	0.343								
1081700	0.207								
1081701	0.142								
1081702	0.043								
1081703	0.039								
1081704	0.029								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
1081705	0.145								
1081706	0.228								
1081707	0.014								
1081708	0.038								
1081709	0.100								
1081710	0.064								
1081711	0.097								
1081712	0.484								
1081713	0.063								
1081714	0.297								
1081715	0.095								
1081716	0.074								
1081717	0.012								
1081718	0.027								
1081719	0.149								
1081720	2.140								
1081721	3.810								3.64
1081722	0.168								
1081723	0.073								
1081724	< 0.005								
1081725	0.075								
1081726	0.054								
1081727	0.017								
1081728	0.113								
1081729	0.172								
1081730	0.248								
1081731	0.023								
1081732	0.017								
1081733	0.035								
1081734	0.075								
1081735	0.039								
1081736	0.657								
1081737	0.025								
1081738	0.008								
1081739	0.007								
1081740	0.020								
1081741	0.057								
1081742	0.092								
1081743	0.188								
1081744	0.013								
1081745	0.016								
1081746	0.016								
1081747	0.008								
1081748	< 0.005								
1081749	0.015								
1081750	0.117								
1081751	0.026								
1081752	0.024								



Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
1081753	2.273								
1081754	0.151								
1081755	0.025								
1081756	0.016								
1081757	0.014								
1081758	0.158								
1081759	0.112								
1081760	0.221								
1081761	0.238								
1081762	0.450								
1081763	0.247								
1081764	0.052								
1081765	0.103								
1081766	0.023								
1081767	0.032								
1081768	0.089								
1081769	0.029								
1081770	0.023								
1081771	0.136								
1081772	< 0.005								
1081773	0.067								
1081774	0.033								
1081775	0.060								
1081776	0.068								
1081777	0.125								
1081778	0.029								
1081779	0.017								
1081780	0.072								
1081781	0.103								
1081782	< 0.005								
1081783	0.074								
1081784	1.475								
1081785	0.085								
1081786	0.045								
1081787	0.412								
1081788	0.154								
1081789	0.109								
1081790	0.207								
1081791	0.036								
1081792	0.069								
1081793	0.019								
1081794	0.048								
1081795	0.078								
1081796	< 0.005								
1081797	0.131								
1081798	0.111								
1081799	0.096								
1081800	1.694								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
1081801	0.113								
1081802	0.130								
1081803	0.054								
1081804	0.135								
1081805	0.079								
1081806	0.133								
1081807	0.447								
1081808	1.075								
1081809	3.392								4.31
1081810	3.240								3.49
1081811	0.092								
1081812	0.471								
1081813	0.470								
1081814	0.335								
1081815	0.710								
1081816	1.020								
1081817	0.368								
1081818	0.341								
1081819	0.420								
1081820	0.370								
1081821	0.558								
1081822	0.199								
1081823	1.181								
1081824	< 0.005								
1081825	0.565								
1081826	0.093								
1081827	0.328								
1081828	0.096								
1081829	0.252								
1081830	0.550								
1081831	0.270								
1081832	0.214								
1081833	0.169								
1081834	0.810								
1081835	0.005								
1081836	0.660								
1081837	0.008								
1081838	0.132								
1081839	< 0.005								
1081840	0.166								
1081841	1.240								
1081842	0.428								
1081843	0.073								
1081844	0.435								
1081845	1.686								
1081846	0.428								
1081847	0.198								
1081848	< 0.005								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
1081849	0.033								
1081850	0.068								
1081851	0.122								
1081852	0.148								
1081853	0.113								
1081854	0.088								
1081855	0.060								
1081856	0.054								
1081857	0.234								
1081858	0.506								
1081859	0.559								
1081860	0.210								
1081861	0.591								
1081862	0.047								
1081863	0.241								
1081864	0.257								
1081865	1.395								
1081866	< 0.005								
1081867	0.122								
1081868	0.353								
1081869	0.371								
1081870	0.332								
1081871	4.523								3.37
1081872	< 0.005								
1081873	0.316								
1081874	0.059								
1081875	0.446								
1081876	0.314								
1081877	0.143								
1081878	0.301								
1081879	0.394								
1081880	0.052								
1081881	0.269								
1081882	0.124								
1081883	1.012								
1081884	1.373								
1081885	0.030								
1081886	0.744								
1081887	0.055								
1081888	0.161								
1081889	0.399								
1081890	2.353								
1081891	< 0.005								
1081892	0.636								
1081893	0.017								
1081894	0.083								
1081895	> 5.000	45.2	13.6	14.7	17.0	45.18	452.15	497.33	14.9
1081896	< 0.005								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
1081897	0.338								
1081898	0.354								
1081899	0.713								
1081900	1.154								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
SN75 Meas		8.73		
SN75 Cert		8.67		
SN75 Meas		8.69		
SN75 Cert		8.67		
SN75 Meas		8.61		
SN75 Cert		8.67		
OREAS 218 Meas	0.525			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.560			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.531			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.542			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.527			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.523			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.512			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.505			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.517			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.507			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.521			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.542			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.524			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.525			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.508			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.515			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.512			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.521			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.512			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.522			
OREAS 218 Cert	0.531			
OREAS 257 Meas		13.6	14.1	
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		13.7		

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 257 Cert		14.18		
OREAS 257 Meas		14.2		
OREAS 257 Cert		14.18		
OREAS 257 Meas		14.0		
OREAS 257 Cert		14.18		
OREAS 257 Meas		14.0		
OREAS 257 Cert		14.18		
Oreas 237 (fire Assay) Meas	2.240			
Oreas 237 (fire Assay) Cert	2.21			
OREAS 228b (Fire Assay) Meas		8.47		
OREAS 228b (Fire Assay) Cert		8.57		
OREAS 228b (Fire Assay) Meas		8.84		
OREAS 228b (Fire Assay) Cert		8.57		
Oreas E1336 (Fire Assay) Meas	0.524			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.528			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.522			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.523			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.522			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.518			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.502			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.497			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.511			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.490			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Assay Meas				
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.509			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.504			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.509			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.507			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.503			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.501			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.502			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.502			
Oreas E1336 (Fire Assay) Cert	0.510			
256476 Orig	0.033			
256476 Dup	0.040			
256486 Orig	0.189			
256486 Dup	0.215			
256496 Orig	< 0.005			
256496 Dup	< 0.005			
1083461 Orig	0.183			
1083461 Dup	0.153			
1083466 Split Orig PREP DUP	0.577			
1083466 Split PREP DUP	0.518			
1083470 Orig	0.333			
1083470 Dup	0.369			
1083480 Orig	0.037			
1083480 Dup	0.036			
1083495 Orig	< 0.005			
1083495 Dup	< 0.005			
1081505 Orig	< 0.005			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
1081505 Dup	< 0.005			
1081515 Orig	< 0.005			
1081515 Dup	< 0.005			
1081516 Split Orig PREP DUP	< 0.005			
1081516 Split PREP DUP	< 0.005			
1081549 Orig	0.060			
1081549 Dup	0.064			
1081564 Orig	0.116			
1081564 Dup	0.111			
1081566 Split Orig PREP DUP	0.007			
1081566 Split PREP DUP	0.022			
1081576 Orig	0.027			
1081576 Dup	0.025			
1081586 Orig	0.020			
1081586 Dup	0.010			
1081596 Orig	< 0.005			
1081596 Dup	< 0.005			
1081611 Orig	0.045			
1081611 Dup	0.040			
1081616 Split Orig PREP DUP	0.074			
1081616 Split PREP DUP	0.065			
1081620 Orig	0.143			
1081620 Dup	0.123			
1081630 Orig	0.173			
1081630 Dup	0.157			
1081655 Orig	0.090			
1081655 Dup	0.119			
1081665 Orig	0.185			
1081665 Dup	0.127			
1081666 Split Orig PREP DUP	0.072			
1081666 Split PREP DUP	0.107			
1081679 Orig	0.085			
1081679 Dup	0.058			
1081689 Orig	0.136			
1081689 Dup	0.116			
1081699 Orig	0.308			
1081699 Dup	0.377			
1081716 Split Orig PREP DUP	0.074			
1081716 Split PREP DUP	0.069			
1081726 Orig	0.054			
1081726 Dup	0.054			
1081746 Orig	0.023			



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
1081746 Dup	0.009			
1081761 Orig	0.191			
1081761 Dup	0.284			
1081766 Split Orig PREP DUP	0.023			
1081766 Split PREP DUP	0.017			
1081770 Orig	0.021			
1081770 Dup	0.025			
1081780 Orig	0.076			
1081780 Dup	0.068			
1081795 Orig	0.090			
1081795 Dup	0.065			
1081815 Orig	0.706			
1081815 Dup	0.714			
1081816 Split Orig PREP DUP	1.020			
1081816 Split PREP DUP	1.039			
1081839 Orig	< 0.005			
1081839 Dup	< 0.005			
1081864 Orig	0.250			
1081864 Dup	0.263			
1081866 Split Orig PREP DUP	< 0.005			
1081866 Split PREP DUP	0.019			
1081873 Orig	0.303			
1081873 Dup	0.328			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank			< 0.03	
Method Blank			< 0.03	
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.03		
Method Blank		< 0.03		
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.03		
Method Blank		< 0.03		
Method Blank		< 0.03		
Method Blank		< 0.03		
Method Blank		< 0.03		
Method Blank		< 0.03		
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.03		
Method Blank		< 0.03		



Report No.: A20-15981-Au
Report Date: 14-Dec-20
Date Submitted: 12-Dec-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

5 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2-Timmins (ppm) | GOP AA-Au (Au - Fire Assay AA) | 2020-12-14 10:46:14

REPORT A20-15981-Au

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
260994	0.010
260995	0.008
260996	0.006
260997	0.006
260998	0.011

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
Oreas 237 (fire Assay) Meas	2.111
Oreas 237 (fire Assay) Cert	2.21
Oreas E1336 (Fire Assay) Meas	0.496
Oreas E1336 (Fire Assay) Cert	0.510
Method Blank	0.005
Method Blank	< 0.005



Report No.: A20-12113-8-4Acid
Report Date: 18-Jan-21
Date Submitted: 02-Oct-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

115 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
Row 1: 8-4 Acid Total Digestion | QOP Total Assay (Code 8-4 Acid Total Digestion Assays) | 2020-12-21 11:15:18

REPORT A20-12113-8-4Acid

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Notes:

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
254966	< 3	< 0.003	< 0.003	0.101	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254967	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	0.004	< 0.003	0.002
254968	< 3	< 0.003	< 0.003	0.133	< 0.001	< 0.003	< 0.003	< 0.003	0.022
254969	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.003
254970	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.006
254971	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254972	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254973	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254974	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254975	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254976	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
254977	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254978	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.001
254979	< 3	< 0.003	< 0.003	0.004	0.004	< 0.003	< 0.003	< 0.003	0.003
254980	< 3	< 0.003	< 0.003	0.003	0.004	< 0.003	< 0.003	< 0.003	0.005
254981	< 3	< 0.003	< 0.003	0.002	0.005	< 0.003	0.003	< 0.003	0.004
254982	< 3	< 0.003	< 0.003	< 0.001	0.007	< 0.003	0.003	< 0.003	0.005
254983	< 3	< 0.003	< 0.003	0.045	0.006	< 0.003	0.003	< 0.003	0.005
254984	4	< 0.003	< 0.003	1.06	0.003	0.043	0.004	0.004	0.010
254985	< 3	< 0.003	< 0.003	0.063	0.009	< 0.003	0.003	< 0.003	0.006
254986	< 3	< 0.003	< 0.003	0.002	0.011	< 0.003	0.003	< 0.003	0.006
254987	< 3	< 0.003	< 0.003	< 0.001	0.013	< 0.003	0.004	< 0.003	0.007
254988	< 3	< 0.003	< 0.003	0.001	0.014	< 0.003	0.005	< 0.003	0.008
254989	< 3	< 0.003	< 0.003	0.042	0.003	< 0.003	< 0.003	< 0.003	0.006
254990	< 3	< 0.003	< 0.003	0.059	0.003	< 0.003	< 0.003	< 0.003	0.006
254991	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254992	< 3	< 0.003	< 0.003	0.105	0.001	< 0.003	< 0.003	< 0.003	0.002
254993	< 3	< 0.003	< 0.003	0.060	0.002	< 0.003	< 0.003	< 0.003	0.002
254994	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254995	< 3	< 0.003	< 0.003	0.132	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254996	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
254997	< 3	< 0.003	< 0.003	0.152	0.001	< 0.003	< 0.003	< 0.003	0.001
254998	< 3	< 0.003	< 0.003	0.159	0.002	< 0.003	< 0.003	< 0.003	0.002
254999	< 3	< 0.003	< 0.003	0.074	0.002	< 0.003	< 0.003	< 0.003	0.002
255000	< 3	< 0.003	< 0.003	0.045	0.002	< 0.003	< 0.003	< 0.003	0.002
256501	< 3	< 0.003	0.004	0.014	0.004	< 0.003	0.003	< 0.003	0.011
256502	< 3	< 0.003	0.004	0.016	0.004	< 0.003	< 0.003	< 0.003	0.011
256503	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.002
256504	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256505	< 3	< 0.003	< 0.003	0.050	0.001	< 0.003	< 0.003	< 0.003	0.001
256506	< 3	< 0.003	< 0.003	0.020	0.002	< 0.003	< 0.003	< 0.003	0.001
256507	< 3	< 0.003	< 0.003	0.031	0.005	< 0.003	< 0.003	< 0.003	0.005
256508	< 3	< 0.003	< 0.003	0.031	0.002	< 0.003	< 0.003	< 0.003	0.002
256509	< 3	< 0.003	< 0.003	0.099	0.003	< 0.003	< 0.003	< 0.003	0.002
256510	< 3	< 0.003	< 0.003	0.202	0.003	< 0.003	< 0.003	< 0.003	0.002
256511	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	0.002
256512	< 3	< 0.003	< 0.003	0.787	0.004	0.017	0.004	< 0.003	0.010
256513	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.001
256514	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256515	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
256516	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.001
256517	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.001
256518	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.002
256519	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.002
256520	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
256521	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.001
256522	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	< 0.001
256523	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.002
256524	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256525	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256526	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.001
256527	< 3	< 0.003	< 0.003	0.046	0.001	< 0.003	< 0.003	< 0.003	0.001
256528	< 3	< 0.003	< 0.003	0.040	0.002	< 0.003	< 0.003	< 0.003	0.002
256529	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256530	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256531	< 3	< 0.003	0.003	0.012	0.010	< 0.003	0.005	< 0.003	0.008
256532	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256533	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.001
256534	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256535	< 3	< 0.003	< 0.003	0.554	0.004	0.027	0.004	< 0.003	0.009
256536	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256537	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256538	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256539	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256540	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256541	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256542	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256543	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256544	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256545	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.001
256546	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.002
256547	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256548	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256549	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256550	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256551	< 3	< 0.003	< 0.003	0.055	0.001	< 0.003	< 0.003	< 0.003	0.001
256552	< 3	< 0.003	< 0.003	0.034	0.002	< 0.003	< 0.003	< 0.003	0.002
256553	< 3	< 0.003	< 0.003	0.018	0.002	< 0.003	< 0.003	< 0.003	0.002
256554	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	0.002
256555	< 3	< 0.003	< 0.003	< 0.001	0.009	< 0.003	0.005	< 0.003	0.009
256556	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256557	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256558	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256559	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256560	< 3	< 0.003	< 0.003	0.280	0.004	< 0.003	0.006	< 0.003	0.008
256561	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256562	< 3	< 0.003	< 0.003	0.070	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256563	< 3	< 0.003	< 0.003	0.039	0.002	< 0.003	< 0.003	< 0.003	0.002
256564	< 3	< 0.003	< 0.003	0.022	0.002	< 0.003	< 0.003	< 0.003	0.002



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256565	< 3	< 0.003	< 0.003	0.047	0.002	< 0.003	< 0.003	< 0.003	0.001
256566	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.001
256567	< 3	< 0.003	< 0.003	0.046	0.001	< 0.003	< 0.003	< 0.003	0.001
256568	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256569	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256570	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256571	< 3	< 0.003	< 0.003	0.058	0.001	< 0.003	< 0.003	< 0.003	0.001
256572	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256573	< 3	< 0.003	< 0.003	0.129	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256574	< 3	< 0.003	< 0.003	0.163	0.001	< 0.003	< 0.003	< 0.003	< 0.001
256575	< 3	< 0.003	< 0.003	0.405	0.001	< 0.003	< 0.003	< 0.003	0.001
256576	< 3	< 0.003	< 0.003	0.114	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256577	< 3	< 0.003	< 0.003	0.300	0.001	< 0.003	< 0.003	< 0.003	< 0.001
256578	< 3	< 0.003	< 0.003	0.060	0.001	< 0.003	< 0.003	< 0.003	< 0.001
256579	< 3	< 0.003	< 0.003	0.063	0.001	< 0.003	< 0.003	< 0.003	< 0.001
256580	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Ni	Pb	Mo	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	131		2.04	24.0		45.5			
PTM-1a Cert	135		2.05	24.96		47.44			
CCU-1C Meas				25.1					4.07
CCU-1C Cert				25.6					3.99
CCU-1C Meas				24.8					4.09
CCU-1C Cert				25.6					3.99
OREAS 14P Meas			0.072	0.971		2.15			
OREAS 14P Cert			0.0750	0.997		2.10			
OREAS 14P Meas			0.072	0.961		2.16			
OREAS 14P Cert			0.0750	0.997		2.10			
HV-2 Meas				0.586		< 0.003		0.055	0.005
HV-2 Cert				0.570				0.0480	0.00560
HV-2 Meas				0.581		< 0.003		0.046	0.005
HV-2 Cert				0.570				0.0480	0.00560
GBW 07238 (NCS DC 70006) Meas				0.011		0.003	< 0.003	1.43	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		0.00178	0.00187	1.51	0.00655
GBW 07238 (NCS DC 70006) Meas				0.011		< 0.003	< 0.003	1.47	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		0.00178	0.00187	1.51	0.00655
OREAS 134b (4 ACID) Meas	210	0.056	0.010	0.133			13.3		17.9
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135			13.4		18.0
OREAS 134b (4 ACID) Meas	206	0.057	0.010	0.131			13.3		17.6
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135			13.4		18.0
MP-1b Meas	48	0.051		3.00			2.11	0.023	16.2
MP-1b Cert	47	0.0527		3.07			2.09	0.029	16.7
MP-1b Meas	46	0.053		3.10			2.14	0.021	16.5
MP-1b Cert	47	0.0527		3.07			2.09	0.029	16.7
OREAS 97 (4 Acid) Meas	19		0.006	6.12			0.016		0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31			0.015		0.065
OREAS 97 (4 Acid) Meas	18		0.006	6.12			0.014		0.059
OREAS 97 (4 Acid) Cert	20		0.006	6.31			0.015		0.065
OREAS 98 (4 Acid) Meas	46		0.012	15.0			0.034		0.138
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8			0.035		0.136
OREAS 98 (4 Acid) Meas	44		0.012	14.4			0.031		0.133
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8			0.035		0.136
NCS DC86303 Meas					0.221				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Ni	Pb	Mo	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.205				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.86				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.86				
NCS DC86314 Cert					1.81				
CZN-4 Meas	51	0.251	0.009	0.409			0.188		55.1
CZN-4 Cert	51	0.2604	0.009	0.403			0.1861		55.07
CZN-4 Meas	50	0.264	0.009	0.414			0.188		54.3
CZN-4 Cert	51	0.2604	0.009	0.403			0.1861		55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.94				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.16				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	54		0.319	7.74		11.2	0.083		0.208
PTC-1b Cert	53		0.325	7.97		11.29	0.080		0.2083
PTC-1b Meas	51		0.319	7.56		11.2	0.081		0.204
PTC-1b Cert	53		0.325	7.97		11.29	0.080		0.2083
OREAS 96 (4 Acid) Meas	11		0.005	3.91			0.012		0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93			0.0101		0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.91			0.013		0.046
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93			0.0101		0.0457
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.006	< 0.003	0.148	0.039
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.005	0.001	0.150	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.006	< 0.003	0.158	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.005	0.001	0.150	0.036
254978 Orig	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.001
254978 Dup	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Ni	Pb	Mo	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
254991 Orig	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.002
254991 Dup	< 3	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	< 0.003	0.001
256524 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256524 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256557 Orig	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256557 Dup	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-12113-Au
Report Date: 11-Nov-20
Date Submitted: 02-Oct-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

115 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2-Timmins (ppm) | GOP AA-Au (Au - Fire Assay AA) | 2020-11-05 12:22:01

REPORT A20-12113-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
254966	0.222
254967	0.019
254968	< 0.005
254969	0.005
254970	0.009
254971	0.018
254972	< 0.005
254973	0.098
254974	0.005
254975	0.029
254976	0.010
254977	0.049
254978	0.037
254979	0.038
254980	0.006
254981	0.042
254982	0.034
254983	0.191
254984	1.511
254985	0.153
254986	0.035
254987	0.008
254988	0.005
254989	0.083
254990	0.088
254991	0.091
254992	0.117
254993	0.044
254994	0.193
254995	0.507
254996	0.007
254997	1.258
254998	0.472
254999	0.185
255000	0.130
256501	0.050
256502	0.016
256503	0.389
256504	0.116
256505	0.171
256506	0.119
256507	0.040
256508	0.047
256509	0.226
256510	0.249
256511	0.083
256512	0.517
256513	0.028
256514	0.061
256515	0.021
256516	0.040

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
256517	0.033
256518	0.074
256519	0.007
256520	0.014
256521	0.092
256522	0.086
256523	0.056
256524	< 0.005
256525	0.046
256526	0.036
256527	0.110
256528	0.086
256529	0.033
256530	0.034
256531	0.043
256532	0.081
256533	0.036
256534	0.052
256535	0.047
256536	0.697
256537	0.078
256538	0.039
256539	0.006
256540	0.032
256541	0.075
256542	0.041
256543	0.010
256544	0.040
256545	0.046
256546	0.023
256547	0.026
256548	< 0.005
256549	0.032
256550	0.035
256551	0.074
256552	0.022
256553	0.331
256554	0.118
256555	0.005
256556	0.010
256557	0.013
256558	< 0.005
256559	0.058
256560	0.227
256561	0.226
256562	0.134
256563	0.076
256564	0.076
256565	2.195
256566	0.050
256567	0.091

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
256568	0.015
256569	0.039
256570	0.053
256571	0.093
256572	< 0.005
256573	0.111
256574	0.211
256575	0.972
256576	0.698
256577	0.562
256578	0.110
256579	0.134
256580	0.082



Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
OREAS 218 Meas	0.563
OREAS 218 Cert	0.531
OREAS 218 Meas	0.510
OREAS 218 Cert	0.531
OREAS 218 Meas	0.558
OREAS 218 Cert	0.531
OREAS 218 Meas	0.549
OREAS 218 Cert	0.531
OREAS 218 Meas	0.559
OREAS 218 Cert	0.531
Oreas E1336 (Fire Assay) Meas	0.519
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.529
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.502
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.496
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.500
Oreas E1336 (Fire Assay) Cert	0.510
254985 Orig	0.151
254985 Dup	0.156
254995 Orig	0.499
254995 Dup	0.516
256510 Orig	0.259
256510 Dup	0.239
256520 Orig	0.018
256520 Dup	0.010
256545 Orig	0.047
256545 Dup	0.046
256555 Orig	0.006
256555 Dup	0.005
256580 Orig	0.084
256580 Dup	0.081
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
Method Blank	< 0.005



Report No.: A20-12698-8-4Acid
Report Date: 18-Jan-21
Date Submitted: 14-Oct-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

286 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2021-01-04 08:53:42

REPORT A20-12698-8-4Acid

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256581	< 3	< 0.003	0.004	< 0.001	0.011	< 0.003	0.005	< 0.003	0.009
256582	< 3	< 0.003	0.004	< 0.001	0.013	< 0.003	0.005	< 0.003	0.009
256583	< 3	< 0.003	< 0.003	0.103	0.001	< 0.003	< 0.003	< 0.003	0.001
256584	4	< 0.003	< 0.003	1.05	0.003	0.045	0.005	0.006	0.010
256585	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256586	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256587	< 3	< 0.003	< 0.003	0.129	0.005	< 0.003	< 0.003	< 0.003	0.004
256588	< 3	< 0.003	0.004	0.027	0.013	< 0.003	0.009	< 0.003	0.009
256589	< 3	< 0.003	0.005	< 0.001	0.010	< 0.003	0.006	< 0.003	0.010
256590	< 3	< 0.003	0.004	< 0.001	0.009	< 0.003	0.006	< 0.003	0.009
256591	< 3	< 0.003	< 0.003	0.038	0.002	< 0.003	< 0.003	< 0.003	0.002
256592	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.001
256593	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	< 0.001
256594	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256595	< 3	< 0.003	< 0.003	0.038	0.001	< 0.003	< 0.003	< 0.003	0.002
256596	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256597	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.001
256598	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.002
256599	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.001
256600	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.001
256601	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.001
256602	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	0.001
256603	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	0.001
256604	< 3	< 0.003	< 0.003	0.075	0.001	< 0.003	< 0.003	< 0.003	0.001
256605	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.001
256606	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.002
256607	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	0.001
256608	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	0.002
256609	< 3	< 0.003	< 0.003	0.050	0.001	< 0.003	< 0.003	< 0.003	0.001
256610	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	0.001
256611	< 3	< 0.003	< 0.003	0.039	0.002	< 0.003	< 0.003	< 0.003	0.001
256612	< 3	< 0.003	< 0.003	0.759	0.004	0.016	0.004	< 0.003	0.010
256613	< 3	< 0.003	< 0.003	0.032	0.002	< 0.003	< 0.003	< 0.003	0.001
256614	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.001
256615	< 3	< 0.003	< 0.003	0.054	0.001	< 0.003	< 0.003	< 0.003	0.001
256616	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.001
256617	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	< 0.001
256618	< 3	< 0.003	< 0.003	0.031	0.002	< 0.003	< 0.003	< 0.003	0.001
256619	< 3	< 0.003	< 0.003	0.117	0.001	< 0.003	< 0.003	< 0.003	0.001
256620	< 3	< 0.003	< 0.003	0.090	0.001	< 0.003	< 0.003	< 0.003	< 0.001
256621	< 3	< 0.003	< 0.003	0.047	0.002	< 0.003	< 0.003	< 0.003	0.001
256622	< 3	< 0.003	< 0.003	0.048	0.002	< 0.003	< 0.003	< 0.003	0.002
256623	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.001
256624	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256625	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.002
256626	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.001
256627	< 3	< 0.003	< 0.003	0.032	0.002	< 0.003	< 0.003	< 0.003	0.001
256628	< 3	< 0.003	< 0.003	0.089	0.002	< 0.003	< 0.003	< 0.003	0.002
256629	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256630	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.001
256631	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.002
256632	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.001
256633	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.001
256634	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.001
256635	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.001
256636	< 3	< 0.003	< 0.003	0.521	0.004	0.024	0.004	< 0.003	0.008
256637	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.001
256638	< 3	< 0.003	< 0.003	0.027	0.001	< 0.003	< 0.003	< 0.003	0.002
256639	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256640	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.001
256641	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.001
256642	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.001
256643	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256644	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256645	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	0.002
256646	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256647	< 3	< 0.003	< 0.003	0.181	0.001	< 0.003	< 0.003	< 0.003	0.002
256648	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256649	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256650	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256651	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256652	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256653	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256654	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256655	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256656	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256657	< 3	< 0.003	< 0.003	0.098	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256658	< 3	< 0.003	< 0.003	0.102	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256659	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256660	< 3	< 0.003	< 0.003	0.276	0.004	0.004	0.006	< 0.003	0.008
256661	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256662	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	0.004	< 0.003	0.001
256663	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256664	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256665	< 3	< 0.003	< 0.003	0.119	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256666	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256667	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256668	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256669	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256670	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256671	< 3	< 0.003	< 0.003	0.129	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256672	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256673	< 3	< 0.003	< 0.003	0.366	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256674	< 3	< 0.003	< 0.003	0.296	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256675	< 3	< 0.003	< 0.003	0.354	0.001	< 0.003	< 0.003	< 0.003	0.006
256676	< 3	< 0.003	< 0.003	0.382	< 0.001	< 0.003	< 0.003	0.007	0.021
256677	< 3	< 0.003	< 0.003	0.215	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256678	< 3	< 0.003	< 0.003	0.035	0.002	< 0.003	< 0.003	< 0.003	0.005
256679	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	< 0.003	< 0.003	0.006

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256680	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.007
256681	< 3	< 0.003	< 0.003	0.022	0.002	< 0.003	< 0.003	< 0.003	0.006
256682	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256683	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256684	4	< 0.003	< 0.003	1.08	0.003	0.043	0.005	0.006	0.010
256685	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256686	< 3	< 0.003	< 0.003	0.098	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256687	< 3	< 0.003	< 0.003	0.168	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256688	< 3	< 0.003	< 0.003	0.106	0.001	< 0.003	< 0.003	< 0.003	0.001
256689	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256690	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256691	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256692	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256693	< 3	< 0.003	0.003	0.012	0.002	< 0.003	0.005	< 0.003	0.008
256694	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256695	< 3	< 0.003	< 0.003	0.001	0.001	< 0.003	0.003	< 0.003	0.004
256696	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256697	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256698	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
256699	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.002
256700	< 3	< 0.003	< 0.003	0.069	0.002	< 0.003	< 0.003	< 0.003	0.002
256701	< 3	< 0.003	< 0.003	0.038	0.002	< 0.003	< 0.003	< 0.003	0.002
256702	< 3	< 0.003	< 0.003	0.193	0.003	< 0.003	< 0.003	< 0.003	0.007
256703	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.004
256704	< 3	< 0.003	< 0.003	0.080	0.001	< 0.003	< 0.003	< 0.003	0.003
256705	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256706	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256707	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.003
256708	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256709	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256710	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256711	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256712	< 3	< 0.003	< 0.003	0.778	0.004	0.023	0.003	< 0.003	0.011
256713	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256714	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256715	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256716	< 3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256717	< 3	< 0.003	< 0.003	0.097	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256718	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256719	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256720	< 3	< 0.003	< 0.003	0.068	0.001	< 0.003	< 0.003	< 0.003	0.002
256721	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256722	5	< 0.003	< 0.003	0.488	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256723	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256724	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256725	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256726	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256727	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256728	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256729	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.240
256730	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256731	< 3	< 0.003	< 0.003	0.145	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256732	< 3	< 0.003	< 0.003	0.136	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256733	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256734	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256735	< 3	< 0.003	< 0.003	0.097	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256736	< 3	< 0.003	< 0.003	0.537	0.004	0.032	0.004	< 0.003	0.009
256737	< 3	< 0.003	< 0.003	0.094	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256738	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256739	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256740	< 3	< 0.003	0.004	0.012	0.003	< 0.003	< 0.003	< 0.003	0.005
256741	< 3	< 0.003	0.003	0.007	0.003	< 0.003	< 0.003	< 0.003	0.005
256742	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256743	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256744	< 3	< 0.003	< 0.003	0.102	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256745	< 3	< 0.003	< 0.003	0.071	0.001	< 0.003	< 0.003	< 0.003	0.002
256746	< 3	< 0.003	< 0.003	0.134	0.001	< 0.003	< 0.003	< 0.003	0.003
256747	< 3	< 0.003	< 0.003	0.121	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256748	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256749	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256750	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.013
256751	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256752	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256753	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256754	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256755	< 3	< 0.003	< 0.003	0.143	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256756	< 3	< 0.003	< 0.003	0.098	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256757	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256758	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256759	< 3	< 0.003	< 0.003	0.129	< 0.001	< 0.003	< 0.003	< 0.003	0.054
256760	< 3	< 0.003	< 0.003	0.278	0.004	0.010	0.006	< 0.003	0.008
256761	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256762	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256763	< 3	< 0.003	< 0.003	0.139	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256764	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.006
256765	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256766	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256767	< 3	< 0.003	< 0.003	0.165	0.001	< 0.003	< 0.003	< 0.003	0.002
256768	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256769	< 3	< 0.003	< 0.003	0.169	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256770	< 3	< 0.003	< 0.003	0.145	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256771	< 3	< 0.003	< 0.003	0.222	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256772	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256773	< 3	< 0.003	< 0.003	0.140	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256774	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256775	< 3	< 0.003	< 0.003	0.133	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256776	< 3	< 0.003	< 0.003	0.093	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256777	< 3	< 0.003	< 0.003	0.137	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256778	< 3	< 0.003	< 0.003	0.160	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256779	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256780	< 3	< 0.003	< 0.003	0.121	0.002	< 0.003	< 0.003	< 0.003	0.002
256781	< 3	< 0.003	0.003	0.243	0.002	< 0.003	< 0.003	< 0.003	0.004
256782	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256783	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256784	4	< 0.003	< 0.003	1.05	0.003	0.050	0.005	0.005	0.011
256785	< 3	< 0.003	< 0.003	0.166	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256786	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256787	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256788	< 3	< 0.003	< 0.003	0.091	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256789	< 3	< 0.003	< 0.003	0.149	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256790	< 3	< 0.003	< 0.003	0.169	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256791	< 3	< 0.003	< 0.003	0.184	0.003	< 0.003	< 0.003	< 0.003	0.007
256792	< 3	< 0.003	< 0.003	0.193	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256793	< 3	< 0.003	< 0.003	0.128	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256794	< 3	< 0.003	< 0.003	0.147	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256795	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256796	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256797	< 3	< 0.003	< 0.003	0.178	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256798	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256799	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256800	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256801	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256802	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256803	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256804	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256805	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.007
256806	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256807	< 3	< 0.003	< 0.003	0.141	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256808	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256809	< 3	< 0.003	< 0.003	0.154	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256810	< 3	< 0.003	< 0.003	0.185	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256811	< 3	< 0.003	< 0.003	0.154	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256812	< 3	< 0.003	< 0.003	0.775	0.003	0.023	0.004	< 0.003	0.011
256813	< 3	< 0.003	< 0.003	0.113	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256814	< 3	< 0.003	< 0.003	0.209	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256815	< 3	< 0.003	< 0.003	0.022	0.002	< 0.003	0.004	< 0.003	0.009
256816	< 3	< 0.003	0.004	0.005	0.004	< 0.003	0.008	< 0.003	0.009
256817	< 3	< 0.003	0.004	0.008	0.003	< 0.003	< 0.003	< 0.003	0.008
256818	< 3	< 0.003	0.004	0.010	0.003	< 0.003	< 0.003	< 0.003	0.009
256819	< 3	< 0.003	< 0.003	0.192	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256820	< 3	< 0.003	< 0.003	0.222	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256821	< 3	< 0.003	< 0.003	0.220	0.001	< 0.003	< 0.003	< 0.003	0.007
256822	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256823	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256824	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256825	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256826	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256827	< 3	< 0.003	0.004	0.009	0.004	< 0.003	0.006	< 0.003	0.012



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256828	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256829	< 3	< 0.003	< 0.003	0.129	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256830	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256831	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256832	< 3	< 0.003	< 0.003	0.128	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256833	< 3	< 0.003	< 0.003	0.189	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256834	< 3	< 0.003	< 0.003	0.172	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256835	< 3	< 0.003	< 0.003	0.204	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256836	< 3	< 0.003	< 0.003	0.535	0.003	0.032	0.004	< 0.003	0.009
256837	< 3	< 0.003	< 0.003	0.176	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256838	< 3	< 0.003	< 0.003	0.120	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256839	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256840	< 3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256841	< 3	< 0.003	< 0.003	0.020	0.002	< 0.003	< 0.003	< 0.003	0.005
256842	< 3	< 0.003	< 0.003	0.141	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256843	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256844	< 3	< 0.003	< 0.003	0.116	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256845	< 3	< 0.003	< 0.003	0.169	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256846	< 3	< 0.003	< 0.003	0.162	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256847	< 3	< 0.003	< 0.003	0.167	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256848	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256849	< 3	< 0.003	< 0.003	0.265	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256850	< 3	< 0.003	< 0.003	0.172	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256851	< 3	< 0.003	< 0.003	0.201	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256852	< 3	< 0.003	< 0.003	0.142	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256853	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256854	< 3	< 0.003	< 0.003	0.114	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256855	< 3	< 0.003	0.006	0.363	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256856	< 3	< 0.003	< 0.003	0.182	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256857	4	< 0.003	< 0.003	1.09	< 0.001	0.004	< 0.003	< 0.003	0.004
256858	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256859	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.007
256860	< 3	< 0.003	< 0.003	0.282	0.004	0.009	0.007	< 0.003	0.009
256861	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256862	< 3	< 0.003	< 0.003	0.070	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256863	< 3	< 0.003	< 0.003	0.119	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256864	< 3	< 0.003	< 0.003	0.149	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256865	< 3	< 0.003	< 0.003	0.098	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256866	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	132		2.08	24.8			46.3		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	131		2.08	25.2			45.7		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	130		2.12	24.6			46.1		
PTM-1a Cert	135		2.05	24.96			47.44		
CCU-1C Meas				26.0					3.97
CCU-1C Cert				25.6					3.99
CCU-1C Meas				25.8					4.06
CCU-1C Cert				25.6					3.99
OREAS 14P Meas			0.071	0.945			2.12		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.973			2.15		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.074	0.994			2.16		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.074	0.990			2.13		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.581		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.574		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.587		0.054	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.010		1.46	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.44	< 0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.45	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	212	0.056	0.011	0.132				13.1	17.7
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	212	0.056	0.011	0.135				13.2	18.0
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	207	0.056	0.011	0.132				13.7	17.9
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	47	0.053		2.97		0.027		2.03	16.5
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
MP-1b Meas	48	0.053		2.97		0.028		2.09	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.053		3.00		0.021		2.07	16.2
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.007	6.04				0.015	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	20		0.007	6.34				0.018	0.064
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.20				0.014	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	45		0.013	14.8				0.033	0.133
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.9				0.033	0.134
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	15.0				0.034	0.135
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.221				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.217				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.219				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.86				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.86				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.85				
NCS DC86314 Cert					1.81				
CZN-4 Meas	52	0.260	0.010	0.425				0.186	56.8
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	51	0.255	0.009	0.415				0.184	56.2
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
CZN-4 Meas	51	0.261	0.010	0.415				0.186	55.8
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.77				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.79				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.00				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	57		0.324	8.03			11.5	0.082	0.207
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.324	7.84			11.5	0.082	0.212
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.329	7.92			11.3	0.082	0.208
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	202	0.007	0.032	22.8				0.697	3.00
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	10		0.005	3.85				0.012	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.006	3.97				0.012	0.046
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.79				0.011	0.043
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.155	0.007	< 0.003	0.039
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.155	0.007	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
256593 Orig	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	< 0.001
256593 Dup	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.001
256606 Orig	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256606 Dup	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.002
256614 Orig	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.001
256614 Dup	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.001
256630 Split Orig	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.001
256630 Split	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.001
256638 Orig	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	0.002
256638 Dup	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.001
256646 Orig	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256646 Dup	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256671 Orig	< 3	< 0.003	< 0.003	0.129	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256671 Dup	< 3	< 0.003	< 0.003	0.128	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256679 Orig	< 3	< 0.003	< 0.003	0.002	0.003	< 0.003	< 0.003	< 0.003	0.006
256679 Dup	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	< 0.003	< 0.003	0.006
256680 Split Orig	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.007
256680 Split	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.007
256703 Orig	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.004
256703 Dup	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.004
256716 Orig	< 3	< 0.003	< 0.003	0.102	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256716 Dup	< 3	< 0.003	< 0.003	0.098	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256724 Orig	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256724 Dup	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256730 Split Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256730 Split	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256748 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256748 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256756 Orig	< 3	< 0.003	< 0.003	0.097	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256756 Dup	< 3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256780 Split Orig	< 3	< 0.003	< 0.003	0.121	0.002	< 0.003	< 0.003	< 0.003	0.002
256780 Split	< 3	< 0.003	< 0.003	0.127	0.002	< 0.003	< 0.003	< 0.003	0.003
256780 Orig	< 3	< 0.003	< 0.003	0.119	0.002	< 0.003	< 0.003	< 0.003	0.003
256780 Dup	< 3	< 0.003	< 0.003	0.122	0.002	< 0.003	< 0.003	< 0.003	0.002
256788 Orig	< 3	< 0.003	< 0.003	0.091	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256788 Dup	< 3	< 0.003	< 0.003	0.091	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256813 Orig	< 3	< 0.003	< 0.003	0.113	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256813 Dup	< 3	< 0.003	< 0.003	0.112	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256826 Orig	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256826 Dup	< 3	< 0.003	< 0.003	0.067	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256830 Split Orig	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256830 Split	< 3	< 0.003	< 0.003	0.103	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256833 Orig	< 3	< 0.003	< 0.003	0.187	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256833 Dup	< 3	< 0.003	< 0.003	0.192	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256858 Orig	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256858 Dup	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256866 Orig	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256866 Dup	< 3	< 0.003	< 0.003	0.085	< 0.001	< 0.003	< 0.003	< 0.003	0.002
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-12698-Au
Report Date: 14-Dec-20
Date Submitted: 14-Oct-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

286 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s), Testing Date, and details. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-12698-Au

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256581	0.010								
256582	< 0.005								
256583	0.341								
256584	1.430								
256585	0.108								
256586	0.174								
256587	0.497								
256588	0.102								
256589	0.007								
256590	< 0.005								
256591	0.049								
256592	0.013								
256593	0.009								
256594	0.071								
256595	0.336								
256596	< 0.005								
256597	0.078								
256598	0.073								
256599	0.031								
256600	0.079								
256601	0.080								
256602	0.054								
256603	0.037								
256604	1.063								
256605	0.728								
256606	0.035								
256607	0.035								
256608	0.111								
256609	1.374								
256610	0.270								
256611	0.100								
256612	0.479								
256613	0.482								
256614	0.339								
256615	0.238								
256616	1.021								
256617	0.169								
256618	0.114								
256619	0.144								
256620	0.251								
256621	0.064								
256622	0.098								
256623	0.125								
256624	< 0.005								
256625	0.199								
256626	0.184								
256627	0.161								
256628	0.257								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256629	0.049								
256630	0.028								
256631	0.031								
256632	0.157								
256633	0.752								
256634	0.062								
256635	0.046								
256636	0.715								
256637	0.024								
256638	0.072								
256639	0.053								
256640	0.144								
256641	0.041								
256642	0.048								
256643	0.021								
256644	0.061								
256645	0.059								
256646	0.022								
256647	0.113								
256648	< 0.005								
256649	0.030								
256650	0.042								
256651	0.143								
256652	0.492								
256653	0.052								
256654	0.134								
256655	0.540								
256656	1.286								
256657	0.257								
256658	0.153								
256659	0.446								
256660	0.226								
256661	0.186								
256662	0.414								
256663	0.150								
256664	0.084								
256665	0.172								
256666	0.152								
256667	0.043								
256668	0.142								
256669	> 5.000	11.9	146	5.37	4.74	11.4	23.03	489.44	512.47
256670	0.342								
256671	2.535								
256672	< 0.005								
256673	1.116								
256674	0.456								
256675	0.483								
256676	0.379								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256677	0.214								
256678	0.053								
256679	< 0.005								
256680	0.009								
256681	0.012								
256682	0.103								
256683	0.422								
256684	1.486								
256685	0.421								
256686	0.405								
256687	0.453								
256688	0.258								
256689	0.141								
256690	0.099								
256691	0.095								
256692	4.307	4.25							
256693	> 5.000	80.7	10.4	0.36	0.50	0.95	25.85	470.34	496.19
256694	> 5.000	5.12	4.84	5.05	4.09	4.59	32.61	464.67	497.28
256695	0.014								
256696	0.016								
256697	0.030								
256698	0.006								
256699	0.204								
256700	0.322								
256701	0.112								
256702	0.375								
256703	0.091								
256704	0.148								
256705	0.084								
256706	0.089								
256707	0.072								
256708	0.204								
256709	0.021								
256710	0.011								
256711	0.138								
256712	0.511								
256713	0.025								
256714	0.026								
256715	0.044								
256716	0.078								
256717	0.031								
256718	0.189								
256719	0.123								
256720	0.185								
256721	0.209								
256722	0.151								
256723	0.045								
256724	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256725	0.095								
256726	0.088								
256727	0.058								
256728	0.109								
256729	0.045								
256730	< 0.005								
256731	0.409								
256732	1.979								
256733	0.105								
256734	0.087								
256735	0.143								
256736	0.686								
256737	0.195								
256738	0.067								
256739	0.072								
256740	0.041								
256741	0.006								
256742	1.109								
256743	0.052								
256744	0.242								
256745	0.076								
256746	0.816								
256747	0.251								
256748	< 0.005								
256749	0.114								
256750	0.135								
256751	1.686								
256752	1.405								
256753	4.689	3.48							
256754	0.658								
256755	1.165								
256756	0.361								
256757	0.469								
256758	0.379								
256759	0.536								
256760	0.224								
256761	0.208								
256762	0.091								
256763	3.179	2.60							
256764	0.153								
256765	0.065								
256766	0.169								
256767	0.707								
256768	0.591								
256769	2.294								
256770	0.817								
256771	0.528								
256772	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256773	0.549								
256774	0.198								
256775	0.286								
256776	0.561								
256777	0.152								
256778	0.528								
256779	0.472								
256780	0.207								
256781	3.012	3.22	11.2	1.99	2.58	2.65	20.42	468.46	488.88
256782	0.509								
256783	0.365								
256784	1.407								
256785	0.921								
256786	0.507								
256787	< 0.005								
256788	0.180								
256789	0.271								
256790	0.195								
256791	0.296								
256792	0.300								
256793	0.248								
256794	0.560								
256795	0.193								
256796	< 0.005								
256797	0.169								
256798	0.109								
256799	0.334								
256800	0.045								
256801	0.029								
256802	0.076								
256803	0.072								
256804	0.051								
256805	0.064								
256806	0.220								
256807	2.213								
256808	0.318								
256809	0.233								
256810	0.241								
256811	0.423								
256812	0.489								
256813	0.247								
256814	0.579								
256815	0.047								
256816	0.009								
256817	0.020								
256818	0.016								
256819	0.416								
256820	0.521								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256821	0.340								
256822	0.222								
256823	0.211								
256824	< 0.005								
256825	0.137								
256826	0.655								
256827	0.012								
256828	> 5.000	16.1	132	10.4	8.96	20.4	43.63	451.61	495.24
256829	0.224								
256830	0.362								
256831	0.100								
256832	0.322								
256833	0.286								
256834	0.706								
256835	0.164								
256836	0.708								
256837	0.156								
256838	0.073								
256839	0.111								
256840	0.296								
256841	0.132								
256842	0.605								
256843	0.597								
256844	0.316								
256845	0.675								
256846	0.186								
256847	0.268								
256848	< 0.005								
256849	0.287								
256850	> 5.000	8.61	0.15	0.76	0.50	0.60	34.27	455.84	490.11
256851	0.391								
256852	0.419								
256853	> 5.000	11.2	0.27	0.10	0.07	0.09	26.37	471.11	497.48
256854	0.242								
256855	1.207								
256856	0.177								
256857	2.302								
256858	0.126								
256859	< 0.005								
256860	0.223								
256861	0.024								
256862	0.225								
256863	0.154								
256864	0.253								
256865	0.143								
256866	0.239								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 218 Meas	0.562			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.560			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.535			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.525			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.507			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.549			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.534			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.549			
OREAS 218 Cert	0.531			
OREAS 218 Meas	0.540			
OREAS 218 Cert	0.531			
OREAS 257 Meas		14.3	13.7	
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		14.0		
OREAS 257 Cert		14.18		
OREAS 257 Meas		13.9		
OREAS 257 Cert		14.18		
Oreas 237 (fire Assay) Meas	2.284			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.169			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.233			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.236			
Oreas 237 (fire Assay) Cert	2.21			
OREAS 228b (Fire Assay) Meas		8.79	8.77	
OREAS 228b (Fire Assay) Cert		8.57	8.57	
OREAS 228b (Fire Assay) Meas		8.50		
OREAS 228b (Fire Assay) Cert		8.57		
OREAS 228b (Fire Assay) Meas		8.75		
OREAS 228b (Fire Assay) Cert		8.57		
Oreas E1336 (Fire	0.523			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Assay Meas				
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.507			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.523			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.505			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.525			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.511			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.512			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.501			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.490			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.485			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.505			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.496			
Oreas E1336 (Fire Assay) Cert	0.510			
256590 Orig	< 0.005			
256590 Dup	0.005			
256600 Orig	0.095			
256600 Dup	0.063			
256610 Orig	0.253			
256610 Dup	0.286			
256625 Orig	0.241			
256625 Dup	0.157			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
256630 Split Orig PREP DUP	0.028			
256630 Split PREP DUP	0.043			
256644 Orig	0.061			
256644 Dup	0.062			
256669 Orig	> 5.000		11.4	512.47
256669 Dup	> 5.000			
256679 Orig	< 0.005			
256679 Dup	< 0.005			
256680 Split Orig PREP DUP	0.009			
256680 Split PREP DUP	0.006			
256693 Orig	> 5.000		0.95	496.19
256693 Dup	> 5.000			
256703 Orig	0.089			
256703 Dup	0.093			
256713 Orig	0.029			
256713 Dup	0.021			
256728 Orig	0.103			
256728 Dup	0.114			
256730 Split Orig PREP DUP	< 0.005			
256730 Split PREP DUP	< 0.005			
256737 Orig	0.210			
256737 Dup	0.180			
256747 Orig	0.257			
256747 Dup	0.245			
256762 Orig	0.101			
256762 Dup	0.081			
256772 Orig	< 0.005			
256772 Dup	< 0.005			
256780 Split Orig PREP DUP	0.207			
256780 Split PREP DUP	0.198			
256781 Orig			2.65	488.88
256796 Orig	< 0.005			
256796 Dup	< 0.005			
256816 Orig	0.009			
256816 Dup	0.010			
256830 Split Orig PREP DUP	0.362			
256830 Split PREP DUP	0.303			
256840 Orig	0.287			
256840 Dup	0.306			
256850 Orig	> 5.000		0.60	490.11
256850 Dup	> 5.000			
Method Blank	< 0.005			



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank			< 0.03	
Method Blank			< 0.03	
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			



Report No.: A20-12699-8-4Acid
Report Date: 19-Jan-21
Date Submitted: 14-Oct-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

466 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
Row 1: 8-4 Acid Total Digestion | QOP Total Assay (Code 8-4 Acid Total Digestion Assays) | 2020-11-25 15:51:16

REPORT A20-12699-8-4Acid

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260001	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
260002	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.002
260003	< 3	< 0.003	< 0.003	0.030	0.002	< 0.003	< 0.003	< 0.003	0.002
260004	< 3	< 0.003	< 0.003	0.091	0.001	< 0.003	< 0.003	< 0.003	0.003
260005	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	0.002
260006	< 3	< 0.003	< 0.003	0.027	0.002	< 0.003	< 0.003	< 0.003	0.002
260007	< 3	< 0.003	< 0.003	0.153	0.002	< 0.003	< 0.003	< 0.003	0.004
260008	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.002
260009	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	0.002
260010	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	0.002
260011	< 3	< 0.003	< 0.003	0.037	0.002	< 0.003	< 0.003	< 0.003	0.002
260012	< 3	< 0.003	< 0.003	0.781	0.004	0.019	0.003	< 0.003	0.011
260013	< 3	< 0.003	< 0.003	0.034	0.002	< 0.003	< 0.003	< 0.003	0.002
260014	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
260015	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.002
260016	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
260017	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	0.002
260018	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.002
260019	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.003
260020	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.002
260021	< 3	< 0.003	< 0.003	0.049	0.002	< 0.003	< 0.003	< 0.003	0.002
260022	< 3	< 0.003	< 0.003	0.050	0.002	< 0.003	< 0.003	< 0.003	0.002
260023	< 3	< 0.003	< 0.003	0.108	0.002	< 0.003	< 0.003	< 0.003	0.003
260024	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260025	< 3	< 0.003	< 0.003	0.280	0.003	< 0.003	< 0.003	< 0.003	0.005
260026	< 3	< 0.003	< 0.003	0.081	0.002	< 0.003	< 0.003	< 0.003	0.003
260027	< 3	< 0.003	< 0.003	0.121	0.001	< 0.003	< 0.003	< 0.003	0.002
260028	< 3	< 0.003	< 0.003	0.181	0.002	< 0.003	< 0.003	< 0.003	0.003
260029	< 3	< 0.003	< 0.003	0.089	0.002	< 0.003	< 0.003	< 0.003	0.003
260030	< 3	< 0.003	< 0.003	0.089	0.002	< 0.003	< 0.003	< 0.003	0.002
260031	< 3	< 0.003	< 0.003	0.073	0.002	< 0.003	< 0.003	< 0.003	0.002
260032	< 3	< 0.003	< 0.003	0.147	0.002	< 0.003	< 0.003	< 0.003	0.003
260033	< 3	< 0.003	< 0.003	0.202	0.002	< 0.003	< 0.003	< 0.003	0.003
260034	< 3	< 0.003	< 0.003	0.211	0.002	< 0.003	< 0.003	< 0.003	0.004
260035	< 3	< 0.003	< 0.003	0.079	0.001	< 0.003	< 0.003	< 0.003	0.003
260036	< 3	< 0.003	< 0.003	0.511	0.004	0.026	0.003	< 0.003	0.009
260037	< 3	< 0.003	< 0.003	0.030	0.002	< 0.003	< 0.003	< 0.003	0.002
260038	< 3	< 0.003	< 0.003	0.044	0.002	< 0.003	< 0.003	< 0.003	0.002
260039	< 3	< 0.003	< 0.003	0.028	0.003	< 0.003	< 0.003	< 0.003	0.002
260040	< 3	< 0.003	< 0.003	0.022	0.004	< 0.003	< 0.003	< 0.003	0.003
260041	< 3	< 0.003	< 0.003	0.004	0.003	< 0.003	< 0.003	< 0.003	0.002
260042	< 3	< 0.003	< 0.003	0.031	0.002	< 0.003	< 0.003	< 0.003	0.002
260043	< 3	< 0.003	< 0.003	0.062	0.002	< 0.003	< 0.003	< 0.003	0.003
260044	< 3	< 0.003	< 0.003	0.055	0.001	< 0.003	< 0.003	< 0.003	0.002
260045	< 3	< 0.003	< 0.003	0.084	0.002	< 0.003	< 0.003	< 0.003	0.003
260046	< 3	< 0.003	< 0.003	0.145	0.002	< 0.003	< 0.003	< 0.003	0.003
260047	3	< 0.003	< 0.003	0.087	0.002	< 0.003	< 0.003	< 0.003	0.003
260048	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260049	< 3	< 0.003	< 0.003	0.248	0.002	< 0.003	< 0.003	< 0.003	0.006

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260050	< 3	< 0.003	< 0.003	0.287	0.002	< 0.003	< 0.003	< 0.003	0.005
260051	< 3	< 0.003	< 0.003	0.244	0.002	< 0.003	< 0.003	< 0.003	0.004
260052	< 3	< 0.003	< 0.003	0.116	0.002	< 0.003	< 0.003	< 0.003	0.002
260053	< 3	< 0.003	< 0.003	0.143	0.002	< 0.003	< 0.003	< 0.003	0.003
260054	< 3	< 0.003	< 0.003	0.106	0.002	< 0.003	< 0.003	< 0.003	0.005
260055	< 3	< 0.003	< 0.003	0.082	0.001	< 0.003	< 0.003	< 0.003	0.002
260056	< 3	< 0.003	0.003	0.009	0.003	< 0.003	< 0.003	< 0.003	0.010
260057	< 3	< 0.003	0.004	0.009	0.003	< 0.003	< 0.003	< 0.003	0.009
260058	< 3	< 0.003	0.004	0.010	0.003	< 0.003	0.003	< 0.003	0.011
260059	< 3	< 0.003	0.004	0.010	0.003	< 0.003	< 0.003	< 0.003	0.010
260060	< 3	< 0.003	< 0.003	0.269	0.004	0.005	0.006	< 0.003	0.008
260061	< 3	< 0.003	< 0.003	0.064	0.001	< 0.003	< 0.003	< 0.003	0.004
260062	< 3	< 0.003	< 0.003	0.189	0.004	< 0.003	0.006	< 0.003	0.010
260063	< 3	< 0.003	< 0.003	0.139	0.006	< 0.003	0.007	< 0.003	0.012
260064	< 3	< 0.003	< 0.003	0.093	0.005	< 0.003	0.005	< 0.003	0.009
260065	< 3	< 0.003	< 0.003	0.043	0.003	< 0.003	< 0.003	< 0.003	0.002
260066	< 3	< 0.003	0.005	0.060	0.002	< 0.003	0.010	< 0.003	0.003
260067	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260068	< 3	< 0.003	< 0.003	0.114	0.003	< 0.003	< 0.003	< 0.003	0.003
260069	< 3	< 0.003	< 0.003	0.146	0.002	< 0.003	< 0.003	< 0.003	0.003
260070	< 3	< 0.003	< 0.003	0.265	0.002	< 0.003	< 0.003	< 0.003	0.005
260071	< 3	< 0.003	< 0.003	0.076	0.002	< 0.003	< 0.003	< 0.003	0.003
260072	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260073	< 3	< 0.003	< 0.003	0.234	0.003	< 0.003	0.006	< 0.003	0.006
260074	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260075	5	< 0.003	< 0.003	0.776	0.003	< 0.003	0.008	< 0.003	0.012
260076	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260077	9	< 0.003	< 0.003	1.05	0.001	< 0.003	0.007	< 0.003	0.013
260078	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260079	< 3	< 0.003	< 0.003	0.132	0.001	< 0.003	< 0.003	< 0.003	0.003
260080	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260081	< 3	< 0.003	< 0.003	0.049	0.002	< 0.003	< 0.003	< 0.003	0.002
260082	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.003
260083	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.002
260084	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260085	4	< 0.003	< 0.003	1.13	0.003	0.047	0.004	0.005	0.011
260086	< 3	< 0.003	< 0.003	0.027	0.002	< 0.003	< 0.003	< 0.003	0.004
260087	< 3	< 0.003	< 0.003	0.056	0.002	< 0.003	< 0.003	< 0.003	0.004
260088	< 3	< 0.003	< 0.003	0.018	0.002	< 0.003	< 0.003	< 0.003	0.003
260089	< 3	< 0.003	< 0.003	0.020	0.002	< 0.003	< 0.003	< 0.003	0.002
260090	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.002
260091	< 3	< 0.003	< 0.003	0.023	0.002	< 0.003	< 0.003	< 0.003	0.003
260092	< 3	< 0.003	< 0.003	0.091	0.002	< 0.003	< 0.003	< 0.003	0.003
260093	< 3	< 0.003	< 0.003	0.098	0.003	< 0.003	< 0.003	< 0.003	0.005
260094	< 3	< 0.003	< 0.003	0.322	0.004	< 0.003	0.007	< 0.003	0.010
260095	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260096	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260097	4	< 0.003	< 0.003	0.445	0.001	< 0.003	< 0.003	< 0.003	0.007
260098	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260099	7	< 0.003	< 0.003	0.281	0.002	< 0.003	< 0.003	< 0.003	0.005

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260100	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260101	< 3	< 0.003	< 0.003	0.140	0.002	< 0.003	< 0.003	< 0.003	0.003
260102	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.002
260103	< 3	< 0.003	< 0.003	0.072	0.001	< 0.003	< 0.003	< 0.003	0.002
260104	< 3	< 0.003	< 0.003	0.198	0.001	< 0.003	< 0.003	< 0.003	0.002
260105	< 3	< 0.003	< 0.003	0.072	0.001	< 0.003	< 0.003	< 0.003	0.002
260106	< 3	< 0.003	< 0.003	0.068	0.001	< 0.003	< 0.003	< 0.003	0.001
260107	< 3	< 0.003	< 0.003	0.121	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260108	< 3	< 0.003	< 0.003	0.370	0.001	< 0.003	< 0.003	< 0.003	0.003
260109	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.003
260110	< 3	< 0.003	< 0.003	0.057	0.001	< 0.003	< 0.003	< 0.003	0.001
260111	< 3	< 0.003	< 0.003	0.203	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260112	< 3	< 0.003	< 0.003	0.786	0.003	0.023	0.005	< 0.003	0.011
260113	< 3	< 0.003	< 0.003	0.202	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260114	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	0.010	< 0.003	0.001
260115	< 3	< 0.003	< 0.003	0.109	< 0.001	< 0.003	0.004	< 0.003	0.002
260116	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260117	< 3	< 0.003	< 0.003	0.050	0.001	< 0.003	< 0.003	< 0.003	0.002
260118	< 3	< 0.003	< 0.003	0.093	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260119	< 3	< 0.003	< 0.003	0.109	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260120	< 3	< 0.003	< 0.003	0.143	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260121	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260122	< 3	< 0.003	< 0.003	0.116	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260123	< 3	< 0.003	< 0.003	0.106	0.001	< 0.003	< 0.003	< 0.003	0.001
260124	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260125	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.001
260126	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260127	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260128	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260129	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260130	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260131	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260132	< 3	< 0.003	< 0.003	0.226	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260133	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260134	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260135	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260136	< 3	< 0.003	< 0.003	0.533	0.003	0.032	0.004	< 0.003	0.009
260137	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260138	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260139	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260140	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260141	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260142	< 3	< 0.003	< 0.003	0.198	0.002	< 0.003	0.003	< 0.003	0.003
260143	< 3	< 0.003	0.003	0.026	0.006	< 0.003	0.013	< 0.003	0.008
260144	< 3	< 0.003	0.003	0.009	0.012	< 0.003	0.017	< 0.003	0.009
260145	< 3	< 0.003	0.003	0.003	0.010	< 0.003	0.018	< 0.003	0.010
260146	< 3	< 0.003	0.005	0.009	0.013	< 0.003	0.023	< 0.003	0.012
260147	< 3	< 0.003	0.004	0.023	0.011	< 0.003	0.016	< 0.003	0.010
260148	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260149	< 3	< 0.003	< 0.003	0.050	0.001	< 0.003	< 0.003	< 0.003	0.001
260150	< 3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260151	< 3	< 0.003	< 0.003	0.070	0.002	< 0.003	< 0.003	< 0.003	0.002
260152	< 3	< 0.003	< 0.003	0.065	0.001	< 0.003	< 0.003	< 0.003	0.002
260153	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260154	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260155	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260156	< 3	< 0.003	< 0.003	0.085	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260157	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260158	< 3	< 0.003	0.004	0.281	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260159	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260160	< 3	< 0.003	< 0.003	0.278	0.003	0.009	0.006	< 0.003	0.008
260161	< 3	< 0.003	< 0.003	0.094	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260162	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260163	< 3	< 0.003	< 0.003	0.097	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260164	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260165	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260166	< 3	< 0.003	< 0.003	0.122	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260167	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260168	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260169	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260170	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260171	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260172	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260173	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260174	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260175	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260176	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260177	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260178	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260179	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260180	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260181	< 3	< 0.003	< 0.003	0.128	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260182	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260183	< 3	< 0.003	< 0.003	0.188	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260184	4	< 0.003	< 0.003	1.14	0.003	0.055	0.005	0.006	0.010
260185	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260186	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260187	< 3	< 0.003	< 0.003	0.119	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260188	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260189	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260190	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260191	< 3	< 0.003	< 0.003	0.126	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260192	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260193	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260194	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260195	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260196	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260197	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260198	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260199	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260200	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260201	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.002
260202	< 3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	0.001
260203	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260204	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260205	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260206	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.002
260207	< 3	< 0.003	< 0.003	0.038	0.001	< 0.003	< 0.003	< 0.003	0.002
260208	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260209	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260210	< 3	< 0.003	< 0.003	0.093	0.001	< 0.003	< 0.003	< 0.003	0.003
260211	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260212	< 3	< 0.003	< 0.003	0.822	0.004	0.018	0.004	< 0.003	0.011
260213	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260214	< 3	< 0.003	< 0.003	0.109	0.001	< 0.003	< 0.003	< 0.003	0.003
260215	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.002
260216	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260217	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260218	< 3	< 0.003	0.006	0.018	0.001	< 0.003	0.007	< 0.003	0.012
260219	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260220	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260221	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260222	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260223	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260224	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260225	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260226	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260227	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.002
260228	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.001
260229	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260230	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260231	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260232	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260233	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260234	< 3	< 0.003	< 0.003	0.067	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260235	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260236	< 3	< 0.003	< 0.003	0.533	0.004	0.024	0.004	< 0.003	0.009
260237	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260238	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260239	< 3	< 0.003	< 0.003	0.089	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260240	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260241	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260242	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260243	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260244	< 3	< 0.003	< 0.003	0.094	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260245	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
260246	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260247	< 3	< 0.003	< 0.003	0.091	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260248	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260249	< 3	< 0.003	< 0.003	0.071	0.001	< 0.003	< 0.003	< 0.003	0.002
260250	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260251	< 3	< 0.003	< 0.003	0.191	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260252	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260253	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260254	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260255	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260256	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260257	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260258	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260259	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260260	< 3	< 0.003	< 0.003	0.279	0.004	0.004	0.007	< 0.003	0.008
260261	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260262	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260263	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260264	< 3	< 0.003	< 0.003	0.115	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260265	< 3	< 0.003	< 0.003	0.109	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260266	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260267	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260268	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260269	< 3	< 0.003	< 0.003	0.149	0.002	< 0.003	< 0.003	< 0.003	0.003
260270	< 3	< 0.003	< 0.003	0.176	0.002	< 0.003	< 0.003	< 0.003	0.003
260271	< 3	< 0.003	< 0.003	0.070	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260272	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260273	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260274	< 3	< 0.003	< 0.003	0.115	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260275	< 3	< 0.003	< 0.003	0.107	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260276	< 3	< 0.003	0.005	0.002	0.011	< 0.003	0.012	< 0.003	0.013
260277	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260278	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260279	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260280	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260281	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260282	< 3	< 0.003	< 0.003	0.115	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260283	< 3	< 0.003	< 0.003	0.101	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260284	4	< 0.003	< 0.003	1.07	0.003	0.051	0.005	0.005	0.010
260285	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260286	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260287	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260288	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260289	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260290	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260291	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260292	< 3	< 0.003	< 0.003	0.032	0.003	< 0.003	< 0.003	< 0.003	0.004
260293	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.002
260294	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	< 0.003	0.002
260295	< 3	< 0.003	< 0.003	0.016	0.003	< 0.003	< 0.003	< 0.003	0.003
260296	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260297	< 3	< 0.003	< 0.003	0.043	0.004	< 0.003	< 0.003	< 0.003	0.005



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260298	< 3	< 0.003	< 0.003	0.198	0.003	< 0.003	< 0.003	< 0.003	0.006
260299	< 3	< 0.003	< 0.003	0.086	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260300	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.002
260301	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260302	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260303	< 3	< 0.003	< 0.003	0.057	0.001	< 0.003	< 0.003	< 0.003	0.006
260304	< 3	< 0.003	< 0.003	0.359	0.002	< 0.003	< 0.003	< 0.003	0.019
260305	< 3	< 0.003	< 0.003	0.074	0.002	< 0.003	< 0.003	< 0.003	0.013
260306	< 3	< 0.003	< 0.003	0.112	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260307	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260308	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260309	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260310	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260311	< 3	< 0.003	< 0.003	0.286	< 0.001	< 0.003	< 0.003	< 0.003	0.006
260312	< 3	< 0.003	< 0.003	0.771	0.004	0.022	0.005	< 0.003	0.011
260313	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260314	< 3	< 0.003	< 0.003	0.152	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260315	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260316	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260317	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260318	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260319	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260320	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260321	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260322	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260323	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260324	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260325	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260326	< 3	< 0.003	< 0.003	0.058	< 0.001	0.003	< 0.003	< 0.003	0.004
260327	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260328	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260329	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260330	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260331	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260332	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260333	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260334	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260335	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260336	< 3	< 0.003	< 0.003	0.530	0.004	0.033	0.005	< 0.003	0.008
260337	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260338	< 3	< 0.003	0.005	0.015	< 0.001	< 0.003	0.008	< 0.003	0.010
260339	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.006
260340	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260341	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.005
260342	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260343	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260344	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260345	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260346	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260347	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260348	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260349	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260350	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260351	< 3	< 0.003	< 0.003	0.070	0.001	< 0.003	< 0.003	< 0.003	0.001
260352									
260353	< 3	< 0.003	< 0.003	0.091	0.001	< 0.003	< 0.003	< 0.003	0.003
260354	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260355	< 3	< 0.003	< 0.003	0.121	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260356	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260357	< 3	< 0.003	< 0.003	0.098	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260358	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260359	< 3	< 0.003	< 0.003	0.137	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260360	< 3	< 0.003	< 0.003	0.286	0.004	0.010	0.007	< 0.003	0.008
260361	< 3	< 0.003	< 0.003	0.109	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260362	4	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260363	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260364	< 3	< 0.003	< 0.003	0.070	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260365	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260366	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260367	< 3	< 0.003	< 0.003	0.188	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260368	< 3	< 0.003	< 0.003	0.173	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260369	< 3	< 0.003	< 0.003	0.121	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260370	< 3	< 0.003	< 0.003	0.125	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260371	< 3	< 0.003	< 0.003	0.107	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260372	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260373	< 3	< 0.003	< 0.003	0.085	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260374	< 3	< 0.003	< 0.003	0.153	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260375	< 3	< 0.003	< 0.003	0.125	0.002	< 0.003	< 0.003	< 0.003	0.002
260376	< 3	< 0.003	< 0.003	0.089	0.001	< 0.003	< 0.003	< 0.003	0.001
260377	< 3	< 0.003	< 0.003	0.112	0.001	< 0.003	< 0.003	< 0.003	0.002
260378	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.002
260379	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260380	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260381	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260382	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260383	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260384	4	< 0.003	< 0.003	1.08	0.003	0.044	0.004	0.005	0.010
260385	< 3	< 0.003	< 0.003	0.080	0.001	< 0.003	< 0.003	< 0.003	0.002
260386	< 3	< 0.003	< 0.003	0.141	0.002	< 0.003	< 0.003	< 0.003	0.002
260387	< 3	< 0.003	< 0.003	0.082	0.002	< 0.003	< 0.003	< 0.003	0.002
260388	< 3	< 0.003	< 0.003	0.047	0.001	< 0.003	< 0.003	< 0.003	0.002
260389	< 3	< 0.003	< 0.003	0.057	0.001	< 0.003	< 0.003	< 0.003	0.002
260390	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260391	< 3	< 0.003	< 0.003	0.093	0.002	< 0.003	< 0.003	< 0.003	0.002
260392	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260393	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.009
260394	< 3	< 0.003	0.003	0.004	0.005	< 0.003	< 0.003	< 0.003	0.008
260395	< 3	< 0.003	< 0.003	0.083	0.001	< 0.003	< 0.003	< 0.003	0.002
260396	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260397	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260398	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260399	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260400	< 3	< 0.003	< 0.003	0.078	0.001	< 0.003	< 0.003	< 0.003	0.002
260401	< 3	< 0.003	< 0.003	0.061	0.001	< 0.003	< 0.003	< 0.003	0.002
260402	< 3	< 0.003	< 0.003	0.193	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260403	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260404	< 3	< 0.003	< 0.003	0.067	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260405	< 3	< 0.003	< 0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260406	< 3	< 0.003	< 0.003	0.099	0.001	< 0.003	< 0.003	< 0.003	0.003
260407	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260408	< 3	< 0.003	< 0.003	0.073	0.001	< 0.003	< 0.003	< 0.003	0.003
260409	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260410	< 3	< 0.003	< 0.003	0.158	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260411	< 3	< 0.003	< 0.003	0.073	0.001	< 0.003	< 0.003	< 0.003	0.002
260412	< 3	< 0.003	< 0.003	0.760	0.004	0.019	< 0.003	< 0.003	0.011
260413	< 3	< 0.003	< 0.003	0.088	0.001	< 0.003	< 0.003	< 0.003	0.002
260414	< 3	< 0.003	< 0.003	0.096	0.001	< 0.003	< 0.003	< 0.003	0.002
260415	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	0.002
260416	< 3	< 0.003	< 0.003	0.156	0.001	< 0.003	< 0.003	< 0.003	0.006
260417	< 3	< 0.003	< 0.003	0.047	0.002	< 0.003	< 0.003	< 0.003	0.006
260418	< 3	< 0.003	< 0.003	0.026	0.002	< 0.003	< 0.003	< 0.003	0.007
260419	< 3	< 0.003	< 0.003	0.134	0.001	< 0.003	< 0.003	< 0.003	0.004
260420	< 3	< 0.003	< 0.003	0.152	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260421	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260422	< 3	< 0.003	< 0.003	0.138	0.001	< 0.003	< 0.003	< 0.003	0.003
260423	5	< 0.003	< 0.003	0.230	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260424	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260425	< 3	< 0.003	< 0.003	0.077	0.001	< 0.003	< 0.003	< 0.003	0.003
260426	< 3	< 0.003	< 0.003	0.122	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260427	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	< 0.003	0.002
260428	< 3	< 0.003	< 0.003	0.132	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260429	< 3	< 0.003	< 0.003	0.064	0.001	< 0.003	< 0.003	< 0.003	0.004
260430	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260431	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260432	< 3	< 0.003	< 0.003	0.112	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260433	< 3	< 0.003	< 0.003	0.160	0.001	< 0.003	< 0.003	< 0.003	0.004
260434	< 3	< 0.003	< 0.003	0.213	< 0.001	< 0.003	< 0.003	< 0.003	0.007
260435	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.003
260436	< 3	< 0.003	< 0.003	0.516	0.004	0.026	< 0.003	< 0.003	0.009
260437	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	0.002
260438	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.001
260439	< 3	< 0.003	< 0.003	0.084	0.002	< 0.003	< 0.003	< 0.003	0.014
260440	< 3	< 0.003	< 0.003	0.081	0.002	< 0.003	< 0.003	< 0.003	0.001
260441	< 3	< 0.003	< 0.003	0.081	0.002	< 0.003	< 0.003	< 0.003	0.003
260442	< 3	< 0.003	< 0.003	0.055	0.002	< 0.003	< 0.003	< 0.003	0.002
260443	< 3	< 0.003	< 0.003	0.032	0.002	< 0.003	< 0.003	< 0.003	0.004
260444	< 3	< 0.003	< 0.003	0.030	0.002	< 0.003	< 0.003	< 0.003	0.003
260445	< 3	< 0.003	< 0.003	0.036	0.002	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260446	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260447	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.005
260448	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260449	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.003
260450	< 3	< 0.003	< 0.003	0.039	0.001	< 0.003	< 0.003	< 0.003	0.003
260451	< 3	< 0.003	< 0.003	0.061	0.002	< 0.003	< 0.003	< 0.003	0.005
260452	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260453	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260454	< 3	< 0.003	< 0.003	0.109	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260455	< 3	< 0.003	< 0.003	0.061	0.001	< 0.003	< 0.003	< 0.003	0.003
260456	< 3	< 0.003	< 0.003	0.166	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260457	< 3	< 0.003	< 0.003	0.244	0.001	< 0.003	< 0.003	< 0.003	0.002
260458	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260459	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260460	< 3	< 0.003	< 0.003	0.271	0.004	< 0.003	0.005	< 0.003	0.008
260461	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260462	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260463	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260464	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260465	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260466	< 3	< 0.003	< 0.003	0.188	< 0.001	< 0.003	< 0.003	< 0.003	0.004

Analyte Symbol	Ag	Co	Mo	Zn	Cd	Li	Pb	Cu	Ni
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.001	0.003	0.001	0.003
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	128	2.02						24.3	46.5
PTM-1a Cert	135	2.05						24.96	47.44
PTM-1a Meas	129	2.04						24.6	45.7
PTM-1a Cert	135	2.05						24.96	47.44
PTM-1a Meas	128	2.04						24.8	45.4
PTM-1a Cert	135	2.05						24.96	47.44
PTM-1a Meas	132	1.99						23.7	46.1
PTM-1a Cert	135	2.05						24.96	47.44
PTM-1a Meas	125	2.08						25.1	45.3
PTM-1a Cert	135	2.05						24.96	47.44
PTM-1a Meas	131	2.04						24.6	45.4
PTM-1a Cert	135	2.05						24.96	47.44
CCU-1C Meas				3.98				25.8	
CCU-1C Cert				3.99				25.6	
CCU-1C Meas				4.01				26.4	
CCU-1C Cert				3.99				25.6	
CCU-1C Meas				3.96				26.1	
CCU-1C Cert				3.99				25.6	
CCU-1C Meas				3.93				26.0	
CCU-1C Cert				3.99				25.6	
CCU-1C Meas				4.01				25.5	
CCU-1C Cert				3.99				25.6	
CCU-1C Meas				4.08				25.6	
CCU-1C Cert				3.99				25.6	
OREAS 14P Meas		0.074						0.972	2.20
OREAS 14P Cert		0.0750						0.997	2.10
OREAS 14P Meas		0.071						0.965	2.11
OREAS 14P Cert		0.0750						0.997	2.10
OREAS 14P Meas		0.074						0.966	2.20
OREAS 14P Cert		0.0750						0.997	2.10
OREAS 14P Meas		0.073						1.00	2.11
OREAS 14P Cert		0.0750						0.997	2.10
OREAS 14P Meas		0.073						0.970	2.10
OREAS 14P Cert		0.0750						0.997	2.10
OREAS 14P Meas		0.071						0.945	2.05
OREAS 14P Cert		0.0750						0.997	2.10
OREAS 14P Meas		0.075						0.991	2.19
OREAS 14P Cert		0.0750						0.997	2.10
OREAS 14P Meas		0.070						0.963	2.06
OREAS 14P Cert		0.0750						0.997	2.10
OREAS 14P Meas		0.073						0.970	2.11
OREAS 14P Cert		0.0750						0.997	2.10
HV-2 Meas			0.057	0.005				0.568	< 0.003

Analyte Symbol	Ag	Co	Mo	Zn	Cd	Li	Pb	Cu	Ni
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.001	0.003	0.001	0.003
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
HV-2 Cert			0.0480	0.00560				0.570	
HV-2 Meas			0.052	0.005				0.585	< 0.003
HV-2 Cert			0.0480	0.00560				0.570	
HV-2 Meas			0.052	0.007				0.565	< 0.003
HV-2 Cert			0.0480	0.00560				0.570	
HV-2 Meas			0.049	0.006				0.590	< 0.003
HV-2 Cert			0.0480	0.00560				0.570	
HV-2 Meas			0.050	0.005				0.575	< 0.003
HV-2 Cert			0.0480	0.00560				0.570	
HV-2 Meas			0.049	0.004				0.563	< 0.003
HV-2 Cert			0.0480	0.00560				0.570	
HV-2 Meas			0.049	0.004				0.557	< 0.003
HV-2 Cert			0.0480	0.00560				0.570	
HV-2 Meas			0.050	0.005				0.583	< 0.003
HV-2 Cert			0.0480	0.00560				0.570	
GBW 07238 (NCS DC 70006) Meas			1.43	0.007			< 0.003	0.010	0.004
GBW 07238 (NCS DC 70006) Cert			1.51	0.00655			0.00187	0.00936	0.00178
GBW 07238 (NCS DC 70006) Meas			1.43	0.007			< 0.003	0.009	< 0.003
GBW 07238 (NCS DC 70006) Cert			1.51	0.00655			0.00187	0.00936	0.00178
GBW 07238 (NCS DC 70006) Meas			1.47	0.007			< 0.003	0.011	0.003
GBW 07238 (NCS DC 70006) Cert			1.51	0.00655			0.00187	0.00936	0.00178
GBW 07238 (NCS DC 70006) Meas			1.53	0.014			< 0.003	0.010	< 0.003
GBW 07238 (NCS DC 70006) Cert			1.51	0.00655			0.00187	0.00936	0.00178
GBW 07238 (NCS DC 70006) Meas			1.47	0.008			< 0.003	0.010	0.003
GBW 07238 (NCS DC 70006) Cert			1.51	0.00655			0.00187	0.00936	0.00178
GBW 07238 (NCS DC 70006) Meas			1.48	0.007			< 0.003	0.009	0.003
GBW 07238 (NCS DC 70006) Cert			1.51	0.00655			0.00187	0.00936	0.00178
GBW 07238 (NCS DC 70006) Meas			1.45	0.007			< 0.003	0.009	< 0.003
GBW 07238 (NCS DC 70006) Cert			1.51	0.00655			0.00187	0.00936	0.00178
GBW 07238 (NCS DC 70006) Meas			1.43	0.007			< 0.003	0.009	< 0.003
GBW 07238 (NCS DC 70006) Cert			1.51	0.00655			0.00187	0.00936	0.00178
OREAS 134b (4 ACID) Meas	209	0.011		17.8	0.057		13.4	0.134	
OREAS 134b (4 ACID) Cert	209	0.0107		18.0	0.0561		13.4	0.135	
OREAS 134b (4 ACID) Meas	208	0.011		17.9	0.056		13.4	0.131	
OREAS 134b (4 ACID) Cert	209	0.0107		18.0	0.0561		13.4	0.135	

Analyte Symbol	Ag	Co	Mo	Zn	Cd	Li	Pb	Cu	Ni
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.001	0.003	0.001	0.003
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 134b (4 ACID) Meas	204	0.011		17.3	0.055		12.8	0.126	
OREAS 134b (4 ACID) Cert	209	0.0107		18.0	0.0561		13.4	0.135	
OREAS 134b (4 ACID) Meas	207	0.011		18.0	0.058		13.4	0.136	
OREAS 134b (4 ACID) Cert	209	0.0107		18.0	0.0561		13.4	0.135	
OREAS 134b (4 ACID) Meas	211	0.010		17.8	0.056		13.4	0.133	
OREAS 134b (4 ACID) Cert	209	0.0107		18.0	0.0561		13.4	0.135	
OREAS 134b (4 ACID) Meas	199	0.010		17.5	0.055		13.4	0.129	
OREAS 134b (4 ACID) Cert	209	0.0107		18.0	0.0561		13.4	0.135	
OREAS 134b (4 ACID) Meas	210	0.010		17.9	0.056		13.4	0.135	
OREAS 134b (4 ACID) Cert	209	0.0107		18.0	0.0561		13.4	0.135	
OREAS 134b (4 ACID) Meas	217	0.011		18.0	0.057		13.4	0.136	
OREAS 134b (4 ACID) Cert	209	0.0107		18.0	0.0561		13.4	0.135	
MP-1b Meas	48		0.027	16.5	0.054		2.05	3.05	
MP-1b Cert	47		0.029	16.7	0.0527		2.09	3.07	
MP-1b Meas	46		0.020	16.4	0.051		2.08	3.00	
MP-1b Cert	47		0.029	16.7	0.0527		2.09	3.07	
MP-1b Meas	51		0.025	17.0	0.055		2.10	3.14	
MP-1b Cert	47		0.029	16.7	0.0527		2.09	3.07	
MP-1b Meas	48		0.027	16.4	0.053		2.12	3.17	
MP-1b Cert	47		0.029	16.7	0.0527		2.09	3.07	
MP-1b Meas	48		0.028	16.6	0.053		2.07	2.98	
MP-1b Cert	47		0.029	16.7	0.0527		2.09	3.07	
MP-1b Meas	48		0.028	16.3	0.052		2.05	2.96	
MP-1b Cert	47		0.029	16.7	0.0527		2.09	3.07	
MP-1b Meas	49		0.024	16.5	0.053		2.12	3.12	
MP-1b Cert	47		0.029	16.7	0.0527		2.09	3.07	
OREAS 97 (4 Acid) Meas	19	0.007		0.061			0.016	6.44	
OREAS 97 (4 Acid) Cert	20	0.006		0.065			0.015	6.31	
OREAS 97 (4 Acid) Meas	19	0.007		0.062			0.015	6.19	
OREAS 97 (4 Acid) Cert	20	0.006		0.065			0.015	6.31	
OREAS 97 (4 Acid) Meas	20	0.007		0.061			0.015	6.09	
OREAS 97 (4 Acid) Cert	20	0.006		0.065			0.015	6.31	
OREAS 97 (4 Acid) Meas	19	0.006		0.063			0.015	6.24	
OREAS 97 (4 Acid) Cert	20	0.006		0.065			0.015	6.31	
OREAS 97 (4 Acid) Meas	20	0.007		0.063			0.014	6.19	

Analyte Symbol	Ag	Co	Mo	Zn	Cd	Li	Pb	Cu	Ni
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.001	0.003	0.001	0.003
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Acid) Meas									
OREAS 97 (4 Acid) Cert	20	0.006		0.065			0.015	6.31	
OREAS 97 (4 Acid) Meas	19	0.006		0.063			0.013	6.25	
OREAS 97 (4 Acid) Cert	20	0.006		0.065			0.015	6.31	
OREAS 97 (4 Acid) Meas	19	0.007		0.063			0.015	6.18	
OREAS 97 (4 Acid) Cert	20	0.006		0.065			0.015	6.31	
OREAS 98 (4 Acid) Meas	45	0.013		0.136			0.033	15.1	
OREAS 98 (4 Acid) Cert	45.1	0.012		0.136			0.035	14.8	
OREAS 98 (4 Acid) Meas	45	0.013		0.135			0.032	15.0	
OREAS 98 (4 Acid) Cert	45.1	0.012		0.136			0.035	14.8	
OREAS 98 (4 Acid) Meas	45	0.013		0.131			0.031	14.8	
OREAS 98 (4 Acid) Cert	45.1	0.012		0.136			0.035	14.8	
OREAS 98 (4 Acid) Meas	47	0.012		0.137			0.033	15.2	
OREAS 98 (4 Acid) Cert	45.1	0.012		0.136			0.035	14.8	
OREAS 98 (4 Acid) Meas	45	0.012		0.134			0.031	14.8	
OREAS 98 (4 Acid) Cert	45.1	0.012		0.136			0.035	14.8	
OREAS 98 (4 Acid) Meas	42	0.012		0.128			0.031	14.8	
OREAS 98 (4 Acid) Cert	45.1	0.012		0.136			0.035	14.8	
OREAS 98 (4 Acid) Meas	43	0.012		0.133			0.032	14.5	
OREAS 98 (4 Acid) Cert	45.1	0.012		0.136			0.035	14.8	
OREAS 98 (4 Acid) Meas	46	0.013		0.136			0.033	14.9	
OREAS 98 (4 Acid) Cert	45.1	0.012		0.136			0.035	14.8	
OREAS 13b (4-Acid) Meas	< 3	0.008	< 0.003	0.019				0.236	0.234
OREAS 13b (4-Acid) Cert	0.86			0.013				0.2327	0.2247
NCS DC86303 Meas						0.217			
NCS DC86303 Cert						0.210			
NCS DC86303 Meas						0.218			
NCS DC86303 Cert						0.210			
NCS DC86303 Meas						0.215			



Analyte Symbol	Ag	Co	Mo	Zn	Cd	Li	Pb	Cu	Ni
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.001	0.003	0.001	0.003
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86303 Cert						0.210			
NCS DC86303 Meas						0.221			
NCS DC86303 Cert						0.210			
NCS DC86303 Meas						0.222			
NCS DC86303 Cert						0.210			
NCS DC86303 Meas						0.218			
NCS DC86303 Cert						0.210			
NCS DC86303 Meas						0.210			
NCS DC86303 Cert						0.210			
NCS DC86303 Meas						0.221			
NCS DC86303 Cert						0.210			
NCS DC86314 Meas						1.89			
NCS DC86314 Cert						1.81			
NCS DC86314 Meas						1.86			
NCS DC86314 Cert						1.81			
NCS DC86314 Meas						1.85			
NCS DC86314 Cert						1.81			
NCS DC86314 Meas						1.83			
NCS DC86314 Cert						1.81			
NCS DC86314 Meas						1.71			
NCS DC86314 Cert						1.81			
NCS DC86314 Meas						1.78			
NCS DC86314 Cert						1.81			
NCS DC86314 Meas						1.81			
NCS DC86314 Cert						1.81			
NCS DC86314 Meas						1.82			
NCS DC86314 Cert						1.81			
CZN-4 Meas	51	0.010		56.1	0.262		0.186	0.408	
CZN-4 Cert	51	0.009		55.07	0.2604		0.1861	0.403	

Analyte Symbol	Ag	Co	Mo	Zn	Cd	Li	Pb	Cu	Ni
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.001	0.003	0.001	0.003
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
CZN-4 Meas	50	0.010		55.4	0.257		0.188	0.406	
CZN-4 Cert	51	0.009		55.07	0.2604		0.1861	0.403	
CZN-4 Meas	51	0.009		54.7	0.258		0.178	0.406	
CZN-4 Cert	51	0.009		55.07	0.2604		0.1861	0.403	
CZN-4 Meas	51	0.010		56.5	0.265		0.187	0.411	
CZN-4 Cert	51	0.0094		55.07	0.2604		0.1861	0.403	
CZN-4 Meas	52	0.010		54.8	0.264		0.184	0.420	
CZN-4 Cert	51	0.0094		55.07	0.2604		0.1861	0.403	
CZN-4 Meas	52	0.009		55.7	0.262		0.187	0.420	
CZN-4 Cert	51	0.009		55.07	0.2604		0.1861	0.403	
CZN-4 Meas	52	0.009		56.1	0.256		0.187	0.415	
CZN-4 Cert	51	0.009		55.07	0.2604		0.1861	0.403	
CZN-4 Meas	52	0.010		55.1	0.259		0.187	0.416	
CZN-4 Cert	51	0.009		55.07	0.2604		0.1861	0.403	
Lithium Tetraborate FX-LT 100 lot#220610B Meas						7.80			
Lithium Tetraborate FX-LT 100 lot#220610B Cert						8			
Lithium Tetraborate FX-LT 100 lot#220610B Meas						7.97			
Lithium Tetraborate FX-LT 100 lot#220610B Cert						8			
Lithium Tetraborate FX-LT 100 lot#220610B Meas						7.90			
Lithium Tetraborate FX-LT 100 lot#220610B Cert						8			
Lithium Tetraborate FX-LT 100 lot#220610B Meas						8.66			
Lithium Tetraborate FX-LT 100 lot#220610B Cert						8			
Lithium Tetraborate FX-LT 100 lot#220610B Meas						7.87			
Lithium Tetraborate FX-LT 100 lot#220610B Cert						8			
Lithium Tetraborate FX-LT 100 lot#220610B Meas						7.86			

Analyte Symbol	Ag	Co	Mo	Zn	Cd	Li	Pb	Cu	Ni
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.001	0.003	0.001	0.003
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Lithium Tetraborate FX-LT 100 lot#220610B Cert						8			
Lithium Tetraborate FX-LT 100 lot#220610B Meas						8.25			
Lithium Tetraborate FX-LT 100 lot#220610B Cert						8			
Lithium Tetraborate FX-LT 100 lot#220610B Meas						7.94			
Lithium Tetraborate FX-LT 100 lot#220610B Cert						8			
PTC-1b Meas	51	0.319		0.206			0.079	7.83	11.4
PTC-1b Cert	53	0.325		0.2083			0.080	7.97	11.29
PTC-1b Meas	51	0.317		0.202			0.078	7.73	11.3
PTC-1b Cert	53	0.325		0.2083			0.080	7.97	11.29
PTC-1b Meas	52	0.325		0.202			0.080	7.91	11.4
PTC-1b Cert	53	0.325		0.2083			0.080	7.97	11.29
PTC-1b Meas	52	0.326		0.213			0.078	7.92	11.1
PTC-1b Cert	53	0.325		0.2083			0.080	7.97	11.29
PTC-1b Meas	53	0.327		0.201			0.078	7.96	11.1
PTC-1b Cert	53	0.325		0.2083			0.080	7.97	11.29
PTC-1b Meas	51	0.315		0.214			0.082	7.79	11.1
PTC-1b Cert	53	0.325		0.2083			0.080	7.97	11.29
PTC-1b Meas	52	0.326		0.214			0.081	7.81	11.2
PTC-1b Cert	53	0.325		0.2083			0.080	7.97	11.29
CCU-1e Meas	204	0.032		2.99	0.008		0.710	23.1	
CCU-1e Cert	205	0.0301		3.02	0.00742		0.703	22.9	
CCU-1e Meas	204	0.031		3.01	0.007		0.736	23.1	
CCU-1e Cert	205	0.0301		3.02	0.00742		0.703	22.9	
OREAS 96 (4 Acid) Meas	11	0.005		0.045			0.016	4.08	
OREAS 96 (4 Acid) Cert	11.5	0.00499		0.0457			0.0101	3.93	
OREAS 96 (4 Acid) Meas	11	0.005		0.045			0.011	3.94	
OREAS 96 (4 Acid) Cert	11.5	0.00499		0.0457			0.0101	3.93	
OREAS 96 (4 Acid) Meas	11	0.006		0.044			0.010	3.81	
OREAS 96 (4 Acid) Cert	11.5	0.00499		0.0457			0.0101	3.93	
OREAS 96 (4 Acid) Meas	10	0.005		0.045			0.009	3.83	
OREAS 96 (4 Acid) Cert	11.5	0.00499		0.0457			0.0101	3.93	
OREAS 96 (4 Acid) Meas	11	0.005		0.044			0.011	3.90	

Analyte Symbol	Ag	Co	Mo	Zn	Cd	Li	Pb	Cu	Ni
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.001	0.003	0.001	0.003
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 96 (4 Acid) Cert	11.5	0.00499		0.0457			0.0101	3.93	
OREAS 96 (4 Acid) Meas	11	0.005		0.045			0.013	3.88	
OREAS 96 (4 Acid) Cert	11.5	0.00499		0.0457			0.0101	3.93	
OREAS 96 (4 Acid) Meas	11	0.006		0.045			0.011	3.98	
OREAS 96 (4 Acid) Cert	11.5	0.00499		0.0457			0.0101	3.93	
OREAS 621 (4 Acid) Meas	69	< 0.003	< 0.003	5.23	0.027	0.002	1.35	0.360	0.005
OREAS 621 (4 Acid) Cert	69.0	0.00293	0.00136	5.22	0.0284	0.00142	1.36	0.363	0.00262
OREAS 352 4-Acid Meas	9			2.17	0.005		49.9	0.065	
OREAS 352 4-Acid Cert	9			2.21	0.006		51.9	0.064	
OREAS 352 4-Acid Meas	8			2.22	0.005		51.9	0.062	
OREAS 352 4-Acid Cert	9			2.21	0.006		51.9	0.064	
OREAS 352 4-Acid Meas	10			2.25	0.005		51.9	0.063	
OREAS 352 4-Acid Cert	9.4			2.21	0.006		51.9	0.064	
OREAS 352 4-Acid Meas	9			2.31	0.006		51.9	0.063	
OREAS 352 4-Acid Cert	9			2.21	0.006		51.9	0.064	
NCS DC73520 Meas	< 3	< 0.003	0.151	0.037	< 0.003		< 0.003	0.009	0.006
NCS DC73520 Cert	0.1	0.001	0.150	0.036	0.00005		0.001	0.005	0.005
NCS DC73520 Meas	< 3	< 0.003	0.151	0.038	< 0.003		< 0.003	0.004	0.005
NCS DC73520 Cert	0.1	0.001	0.150	0.036	0.00005		0.001	0.005	0.005
NCS DC73520 Meas	< 3	< 0.003	0.148	0.036	< 0.003		< 0.003	0.006	0.005
NCS DC73520 Cert	0.1	0.001	0.150	0.036	0.00005		0.001	0.005	0.005
NCS DC73520 Meas	< 3	< 0.003	0.159	0.040	< 0.003		< 0.003	0.004	0.007
NCS DC73520 Cert	0.1	0.001	0.150	0.036	0.00005		0.001	0.005	0.005
260013 Orig	< 3	< 0.003	< 0.003	0.002	< 0.003	0.002	< 0.003	0.034	< 0.003
260013 Dup	< 3	< 0.003	< 0.003	0.002	< 0.003	0.002	< 0.003	0.034	< 0.003
260026 Orig	< 3	< 0.003	< 0.003	0.003	< 0.003	0.002	< 0.003	0.082	< 0.003
260026 Dup	< 3	< 0.003	< 0.003	0.003	< 0.003	0.002	< 0.003	0.080	< 0.003
260034 Orig	< 3	< 0.003	< 0.003	0.004	< 0.003	0.002	< 0.003	0.211	< 0.003
260034 Dup	< 3	< 0.003	< 0.003	0.004	< 0.003	0.002	< 0.003	0.211	< 0.003
260050 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.005	< 0.003	0.002	< 0.003	0.287	< 0.003
260050 Split PREP DUP	< 3	< 0.003	< 0.003	0.004	< 0.003	0.002	< 0.003	0.282	< 0.003

Analyte Symbol	Ag	Co	Mo	Zn	Cd	Li	Pb	Cu	Ni
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.001	0.003	0.001	0.003
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260058 Orig	< 3	0.004	< 0.003	0.011	< 0.003	0.003	< 0.003	0.010	0.004
260058 Dup	< 3	0.004	< 0.003	0.011	< 0.003	0.003	< 0.003	0.010	0.003
260066 Orig	< 3	0.005	< 0.003	0.002	< 0.003	0.002	< 0.003	0.061	0.009
260066 Dup	< 3	0.005	< 0.003	0.003	< 0.003	0.001	< 0.003	0.060	0.010
260091 Orig	< 3	< 0.003	< 0.003	0.003	< 0.003	0.002	< 0.003	0.022	< 0.003
260091 Dup	< 3	< 0.003	< 0.003	0.002	< 0.003	0.002	< 0.003	0.023	< 0.003
260099 Orig	11	< 0.003	< 0.003	0.005	< 0.003	0.002	< 0.003	0.277	< 0.003
260099 Dup	3	< 0.003	< 0.003	0.005	< 0.003	0.002	< 0.003	0.285	< 0.003
260100 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.001	< 0.003	< 0.001	< 0.003	< 0.001	< 0.003
260100 Split PREP DUP	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.001	< 0.003	< 0.001	< 0.003
260123 Orig	< 3	< 0.003	< 0.003	0.001	< 0.003	0.001	< 0.003	0.104	< 0.003
260123 Dup	< 3	< 0.003	< 0.003	0.001	< 0.003	0.001	< 0.003	0.109	< 0.003
260136 Orig	< 3	< 0.003	0.032	0.009	< 0.003	0.003	< 0.003	0.537	0.004
260136 Dup	< 3	< 0.003	0.033	0.008	< 0.003	0.003	< 0.003	0.530	0.004
260150 Split Orig PREP DUP	< 3	< 0.003	< 0.003	< 0.001	< 0.003	0.001	< 0.003	0.043	< 0.003
260150 Split PREP DUP	< 3	< 0.003	< 0.003	0.001	< 0.003	0.001	< 0.003	0.044	< 0.003
260170 Orig	< 3	< 0.003	< 0.003	0.003	< 0.003	< 0.001	< 0.003	0.090	< 0.003
260170 Dup	< 3	< 0.003	< 0.003	0.003	< 0.003	< 0.001	< 0.003	0.091	< 0.003
260178 Orig	< 3	< 0.003	< 0.003	0.002	< 0.003	< 0.001	< 0.003	0.034	< 0.003
260178 Dup	< 3	< 0.003	< 0.003	0.001	< 0.003	< 0.001	< 0.003	0.035	< 0.003
260200 Split PREP DUP	< 3	< 0.003	< 0.003	0.002	< 0.003	< 0.001	< 0.003	0.044	< 0.003
260203 Orig	< 3	< 0.003	< 0.003	0.003	< 0.003	< 0.001	< 0.003	0.051	< 0.003
260203 Dup	< 3	< 0.003	< 0.003	0.003	< 0.003	< 0.001	< 0.003	0.050	< 0.003
260211 Orig	< 3	< 0.003	< 0.003	0.002	< 0.003	< 0.001	< 0.003	0.006	< 0.003
260211 Dup	< 3	< 0.003	< 0.003	0.002	< 0.003	< 0.001	< 0.003	0.004	< 0.003
260236 Orig	< 3	< 0.003	0.024	0.009	< 0.003	0.004	< 0.003	0.542	0.004
260236 Dup	< 3	< 0.003	0.025	0.009	< 0.003	0.004	< 0.003	0.524	0.004
260244 Orig	< 3	< 0.003	< 0.003	0.003	< 0.003	< 0.001	< 0.003	0.092	< 0.003
260244 Dup	< 3	< 0.003	< 0.003	0.003	< 0.003	< 0.001	< 0.003	0.097	< 0.003
260250 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.002	< 0.003	< 0.001	< 0.003	0.074	< 0.003
260250 Split PREP DUP	< 3	< 0.003	< 0.003	0.002	< 0.003	< 0.001	< 0.003	0.073	< 0.003
260268 Orig	< 3	< 0.003	< 0.003	0.002	< 0.003	< 0.001	< 0.003	0.052	< 0.003
260268 Dup	< 3	< 0.003	< 0.003	0.002	< 0.003	< 0.001	< 0.003	0.052	< 0.003
260281 Orig	< 3	< 0.003	< 0.003	0.002	< 0.003	< 0.001	< 0.003	0.032	< 0.003
260281 Dup	< 3	< 0.003	< 0.003	0.002	< 0.003	< 0.001	< 0.003	0.031	< 0.003
260289 Orig	< 3	< 0.003	< 0.003	0.001	< 0.003	< 0.001	< 0.003	0.015	< 0.003
260289 Dup	< 3	< 0.003	< 0.003	0.001	< 0.003	< 0.001	< 0.003	0.016	< 0.003
260298 Orig	< 3	0.003	< 0.003	0.006	< 0.003	0.003	< 0.003	0.198	< 0.003
260298 Dup	< 3	< 0.003	< 0.003	0.006	< 0.003	0.003	< 0.003	0.198	< 0.003
260300 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.002	< 0.003	0.001	< 0.003	0.025	< 0.003
260300 Split PREP DUP	< 3	< 0.003	< 0.003	0.002	< 0.003	0.002	< 0.003	0.025	< 0.003
260313 Orig	< 3	< 0.003	< 0.003	0.003	< 0.003	< 0.001	< 0.003	0.077	< 0.003
260313 Dup	< 3	< 0.003	< 0.003	0.003	< 0.003	< 0.001	< 0.003	0.078	< 0.003



Analyte Symbol	Ag	Co	Mo	Zn	Cd	Li	Pb	Cu	Ni
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.001	0.003	0.001	0.003
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.001	< 0.003	< 0.001	< 0.003
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.001	< 0.003	< 0.001	< 0.003
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.001	< 0.003	< 0.001	< 0.003
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.001	< 0.003	< 0.001	< 0.003
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.001	< 0.003	< 0.001	< 0.003



Report No.: A20-12699-Au
Report Date: 08-Dec-20
Date Submitted: 14-Oct-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

466 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2-Timmins (ppm) | QOP AA-Au (Au - Fire Assay AA) | 2020-11-23 08:55:54

REPORT A20-12699-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260001	0.006								
260002	0.082								
260003	0.052								
260004	0.143								
260005	0.113								
260006	0.035								
260007	0.523								
260008	0.087								
260009	0.053								
260010	0.053								
260011	0.046								
260012	0.481								
260013	0.039								
260014	0.012								
260015	0.015								
260016	0.026								
260017	0.021								
260018	0.098								
260019	0.083								
260020	0.084								
260021	0.227								
260022	0.114								
260023	0.711								
260024	< 0.005								
260025	2.428								
260026	0.895								
260027	0.752								
260028	0.714								
260029	0.394								
260030	0.785								
260031	0.162								
260032	0.671								
260033	4.783	3.83							
260034	1.825								
260035	0.449								
260036	0.710								
260037	0.066								
260038	0.135								
260039	0.066								
260040	0.087								
260041	0.068								
260042	0.128								
260043	0.165								
260044	0.182								
260045	0.513								
260046	0.815								
260047	1.557								
260048	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260049	1.780								
260050	1.398								
260051	0.976								
260052	0.966								
260053	0.512								
260054	0.245								
260055	0.294								
260056	0.016								
260057	0.019								
260058	0.011								
260059	0.011								
260060	0.223								
260061	0.421								
260062	2.712								
260063	1.357								
260064	1.432								
260065	2.996								
260066	> 5.000	25.9	61.6	25.3	24.4	27.0	29.74	484.17	513.91
260067	0.005								
260068	> 5.000	5.14	4.67	5.23	5.61	5.36	36.64	432.16	468.80
260069	2.988								
260070	> 5.000	4.48	7.03	4.25	4.56	4.55	25.90	463.52	489.42
260071	1.060								
260072	0.009								
260073	> 5.000	12.2	15.4	16.3	15.8	16.0	43.26	456.43	499.69
260074	< 0.005								
260075	> 5.000	15.9	16.2	13.2	12.7	13.2	39.41	452.22	491.63
260076	0.006								
260077	> 5.000	83.5	475	51.2	50.9	87.8	42.83	451.45	494.28
260078	0.012								
260079	> 5.000	28.7	59.6	14.6	14.0	17.0	28.62	458.05	486.67
260080	< 0.005								
260081	> 5.000	4.93	6.54	6.22	6.36	6.31	42.21	455.89	498.10
260082	> 5.000	67.0	176	14.6	15.4	25.8	32.49	453.64	486.13
260083	> 5.000	50.2	83.4	37.1	42.6	47.6	39.75	182.17	221.92
260084	0.008								
260085	1.500								
260086	1.807								
260087	0.882								
260088	0.361								
260089	0.209								
260090	0.173								
260091	0.467								
260092	1.788								
260093	4.197	3.59							
260094	> 5.000	12.8	27.7	14.6	16.3	16.2	31.09	465.87	496.96
260095	0.005								
260096	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260097	> 5.000	112	710	72.3	67.3	115	34.70	456.44	491.14
260098	0.007								
260099	> 5.000	41.0	171	39.6	36.8	49.1	40.53	455.95	496.48
260100	< 0.005								
260101	1.456								
260102	1.027								
260103	1.672								
260104	3.002	2.62							
260105	0.848								
260106	0.683								
260107	0.709								
260108	1.385								
260109	0.889								
260110	0.490								
260111	0.493								
260112	0.485								
260113	0.411								
260114	0.271								
260115	0.181								
260116	0.237								
260117	0.050								
260118	0.115								
260119	0.369								
260120	0.228								
260121	0.113								
260122	0.101								
260123	0.722								
260124	< 0.005								
260125	0.221								
260126	0.778								
260127	0.070								
260128	0.037								
260129	0.010								
260130	0.009								
260131	0.013								
260132	0.253								
260133	0.037								
260134	0.013								
260135	0.030								
260136	0.689								
260137	0.045								
260138	0.086								
260139	0.036								
260140	0.118								
260141	0.081								
260142	0.280								
260143	0.016								
260144	0.177								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260145	0.030								
260146	< 0.005								
260147	0.027								
260148	< 0.005								
260149	0.060								
260150	0.069								
260151	0.108								
260152	0.058								
260153	0.028								
260154	0.119								
260155	0.038								
260156	0.108								
260157	0.067								
260158	0.379								
260159	0.102								
260160	0.212								
260161	0.140								
260162	0.211								
260163	0.196								
260164	0.068								
260165	0.081								
260166	0.283								
260167	0.073								
260168	0.111								
260169	0.185								
260170	0.168								
260171	0.047								
260172	< 0.005								
260173	0.096								
260174	0.134								
260175	0.170								
260176	0.036								
260177	0.021								
260178	0.024								
260179	0.008								
260180	0.021								
260181	0.113								
260182	0.013								
260183	0.078								
260184	1.494								
260185	0.045								
260186	0.149								
260187	0.058								
260188	0.025								
260189	0.045								
260190	0.033								
260191	0.191								
260192	0.032								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260193	0.049								
260194	0.035								
260195	0.045								
260196	< 0.005								
260197	0.022								
260198	0.038								
260199	0.115								
260200	0.065								
260201	0.290								
260202	0.417								
260203	0.028								
260204	0.045								
260205	0.039								
260206	0.025								
260207	0.053								
260208	0.015								
260209	0.062								
260210	0.085								
260211	0.005								
260212	0.486								
260213	0.026								
260214	0.100								
260215	0.029								
260216	0.035								
260217	< 0.005								
260218	< 0.005								
260219	0.006								
260220	0.005								
260221	< 0.005								
260222	0.005								
260223	0.018								
260224	< 0.005								
260225	0.062								
260226	0.017								
260227	0.015								
260228	0.011								
260229	0.010								
260230	0.006								
260231	0.097								
260232	0.538								
260233	0.166								
260234	0.730								
260235	0.016								
260236	0.679								
260237	0.029								
260238	0.038								
260239	0.197								
260240	0.131								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260241	0.529								
260242	0.989								
260243	0.084								
260244	0.166								
260245	0.281								
260246	0.086								
260247	0.146								
260248	< 0.005								
260249	0.128								
260250	0.301								
260251	1.141								
260252	0.385								
260253	0.214								
260254	0.116								
260255	0.074								
260256	0.118								
260257	0.358								
260258	0.084								
260259	0.114								
260260	0.230								
260261	0.134								
260262	0.750								
260263	< 0.005								
260264	0.149								
260265	0.137								
260266	0.111								
260267	0.054								
260268	0.045								
260269	0.244								
260270	0.215								
260271	0.072								
260272	< 0.005								
260273	0.049								
260274	0.104								
260275	0.109								
260276	0.006								
260277	0.059								
260278	0.099								
260279	0.103								
260280	0.011								
260281	0.062								
260282	0.141								
260283	0.042								
260284	1.423								
260285	0.016								
260286	0.033								
260287	0.020								
260288	0.014								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260289	0.018								
260290	0.014								
260291	0.020								
260292	0.025								
260293	0.043								
260294	0.119								
260295	0.032								
260296	< 0.005								
260297	0.051								
260298	0.236								
260299	0.094								
260300	0.082								
260301	0.016								
260302	0.142								
260303	0.048								
260304	0.061								
260305	2.697								
260306	0.023								
260307	0.069								
260308	0.027								
260309	0.037								
260310	0.030								
260311	0.436								
260312	0.496								
260313	0.138								
260314	0.132								
260315	0.025								
260316	0.095								
260317	0.461								
260318	0.154								
260319	0.023								
260320	0.054								
260321	0.064								
260322	0.027								
260323	0.038								
260324	< 0.005								
260325	0.078								
260326	0.027								
260327	0.041								
260328	0.048								
260329	0.067								
260330	0.114								
260331	0.274								
260332	0.005								
260333	0.032								
260334	0.029								
260335	0.161								
260336	0.700								

Results

Activation Laboratories Ltd.

Report: A20-12699

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260337	< 0.005								
260338	< 0.005								
260339	0.309								
260340	0.083								
260341	0.222								
260342	0.130								
260343	0.095								
260344	0.242								
260345	0.098								
260346	0.102								
260347	0.088								
260348	< 0.005								
260349	0.095								
260350	0.581								
260351	0.161								
260352	2.178								
260353	0.385								
260354	1.103								
260355	0.577								
260356	0.177								
260357	1.192								
260358	0.202								
260359	0.304								
260360	0.222								
260361	0.152								
260362	0.080								
260363	0.155								
260364	0.324								
260365	0.098								
260366	2.451								
260367	0.177								
260368	0.528								
260369	2.169								
260370	0.696								
260371	0.192								
260372	< 0.005								
260373	0.696								
260374	0.394								
260375	1.710		8.58	1.29	1.40	1.74	24.95	429.20	454.15
260376	0.451								
260377	0.296								
260378	0.029								
260379	2.201								
260380	0.236								
260381	0.074								
260382	> 5.000	7.19	37.7	4.18	3.83	6.51	36.72	457.82	494.54
260383	< 0.005								
260384	1.420								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260385	0.881								
260386	1.250								
260387	0.142								
260388	0.107								
260389	1.428								
260390	1.205								
260391	0.546								
260392	0.147								
260393	< 0.005								
260394	< 0.005								
260395	0.299								
260396	< 0.005								
260397	1.044								
260398	0.114								
260399	0.055								
260400	0.311								
260401	0.054								
260402	0.618								
260403	0.180								
260404	0.054								
260405	0.172								
260406	0.146								
260407	0.091								
260408	0.151								
260409	0.397								
260410	1.418								
260411	0.072								
260412	0.491								
260413	0.577								
260414	0.105								
260415	0.009								
260416	0.024								
260417	0.060								
260418	0.128								
260419	0.202								
260420	0.262								
260421	0.239								
260422	0.621								
260423	3.544	3.63							
260424	< 0.005								
260425	0.924								
260426	> 5.000	6.59	4.76	3.83	3.56	3.77	35.29	452.36	487.65
260427	0.134								
260428	0.063								
260429	0.088								
260430	0.049								
260431	0.115								
260432	0.057								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260433	0.204								
260434	0.317								
260435	0.011								
260436	0.653								
260437	0.045								
260438	0.188								
260439	0.333								
260440	0.172								
260441	0.203								
260442	0.084								
260443	0.387								
260444	0.052								
260445	0.038								
260446	0.037								
260447	0.024								
260448	< 0.005								
260449	0.301								
260450	0.970								
260451	0.065								
260452	0.718								
260453	0.936								
260454	0.127								
260455	1.388								
260456	0.385								
260457	> 5.000	5.49	9.95	1.03	1.13	1.83	41.10	446.73	487.83
260458	< 0.005								
260459	1.642								
260460	0.213								
260461	0.258								
260462	0.081								
260463	0.184								
260464	0.089								
260465	0.100								
260466	0.723								

Analyte Symbol	Au	Total Au	Total Weight	Au
Unit Symbol	g/tonne	g/mt	g	ppm
Lower Limit	0.02	0.03		0.005
Method Code	FA- GRA	FA-MeT	FA-MeT	FA-AA
OREAS 218 Meas				0.545
OREAS 218 Cert				0.531
OREAS 218 Meas				0.547
OREAS 218 Cert				0.531
OREAS 218 Meas				0.539
OREAS 218 Cert				0.531
OREAS 218 Meas				0.537
OREAS 218 Cert				0.531
OREAS 218 Meas				0.544
OREAS 218 Cert				0.531
OREAS 218 Meas				0.520
OREAS 218 Cert				0.531
OREAS 218 Meas				0.547
OREAS 218 Cert				0.531
OREAS 218 Meas				0.531
OREAS 218 Cert				0.531
OREAS 218 Meas				0.540
OREAS 218 Cert				0.531
OREAS 218 Meas				0.515
OREAS 218 Cert				0.531
OREAS 218 Meas				0.525
OREAS 218 Cert				0.531
OREAS 218 Meas				0.533
OREAS 218 Cert				0.531
OREAS 218 Meas				0.538
OREAS 218 Cert				0.531
OREAS 218 Meas				0.530
OREAS 218 Cert				0.531
OREAS 257 Meas	14.4	14.1		
OREAS 257 Cert	14.18	14.18		
OREAS 257 Meas	14.0	14.1		
OREAS 257 Cert	14.18	14.18		
OREAS 257 Meas	14.0			
OREAS 257 Cert	14.18			
OREAS 257 Meas	14.7			
OREAS 257 Cert	14.18			
Oreas 237 (fire Assay) Meas				2.112
Oreas 237 (fire Assay) Cert				2.21
Oreas 237 (fire Assay) Meas				2.204
Oreas 237 (fire Assay) Cert				2.21
Oreas 237 (fire Assay) Meas				2.203
Oreas 237 (fire Assay) Cert				2.21
Oreas 237 (fire Assay) Meas				2.299
Oreas 237 (fire Assay) Cert				2.21

Analyte Symbol	Au	Total Au	Total Weight	Au
Unit Symbol	g/tonne	g/mt	g	ppm
Lower Limit	0.02	0.03		0.005
Method Code	FA- GRA	FA-MeT	FA-MeT	FA-AA
Assay) Cert				
OREAS 228b (Fire Assay) Meas	8.44	8.62		
OREAS 228b (Fire Assay) Cert	8.57	8.57		
OREAS 228b (Fire Assay) Meas	8.57	8.54		
OREAS 228b (Fire Assay) Cert	8.57	8.57		
OREAS 228b (Fire Assay) Meas	8.50			
OREAS 228b (Fire Assay) Cert	8.57			
OREAS 228b (Fire Assay) Meas	8.57			
OREAS 228b (Fire Assay) Cert	8.57			
Oreas E1336 (Fire Assay) Meas				0.496
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.505
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.523
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.519
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.520
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.513
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.518
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.525
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.511
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.530
Oreas E1336 (Fire Assay) Cert				0.510

Analyte Symbol	Au	Total Au	Total Weight	Au
Unit Symbol	g/tonne	g/mt	g	ppm
Lower Limit	0.02	0.03		0.005
Method Code	FA- GRA	FA-MeT	FA-MeT	FA-AA
Oreas E1336 (Fire Assay) Meas				0.520
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.495
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.515
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.508
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.511
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.510
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.520
Oreas E1336 (Fire Assay) Cert				0.510
Oreas E1336 (Fire Assay) Meas				0.514
Oreas E1336 (Fire Assay) Cert				0.510
260010 Orig				0.051
260010 Dup				0.055
260050 Split Orig PREP DUP				1.398
260050 Split PREP DUP				1.504
260054 Orig				0.275
260054 Dup				0.214
260079 Orig		17.0	486.67	> 5.000
260079 Dup				> 5.000
260089 Orig				0.243
260089 Dup				0.176
260099 Orig		49.1	496.48	> 5.000
260099 Dup				> 5.000
260100 Split Orig PREP DUP				< 0.005
260100 Split PREP DUP				0.017
260113 Orig				0.425
260113 Dup				0.397
260123 Orig				0.715
260123 Dup				0.729
260133 Orig				0.038

Analyte Symbol	Au	Total Au	Total Weight	Au
Unit Symbol	g/tonne	g/mt	g	ppm
Lower Limit	0.02	0.03		0.005
Method Code	FA- GRA	FA-MeT	FA-MeT	FA-AA
260133 Dup				0.036
260148 Orig				< 0.005
260148 Dup				0.007
260150 Split Orig PREP DUP				0.069
260150 Split PREP DUP				0.052
260157 Orig				0.080
260157 Dup				0.055
260167 Orig				0.078
260167 Dup				0.068
260182 Orig				0.013
260182 Dup				0.012
260201 Orig				0.316
260201 Dup				0.264
260216 Orig				0.035
260216 Dup				0.034
260237 Orig				0.032
260237 Dup				0.025
260250 Split Orig PREP DUP				0.301
260250 Split PREP DUP				0.299
260261 Orig				0.161
260261 Dup				0.107
260270 Orig				0.211
260270 Dup				0.220
260285 Orig				0.017
260285 Dup				0.016
260295 Orig				0.025
260295 Dup				0.039
260300 Split Orig PREP DUP				0.082
260300 Split PREP DUP				0.080
260329 Orig				0.069
260329 Dup				0.064
260339 Orig				0.297
260339 Dup				0.321
260364 Orig				0.391
260364 Dup				0.256
260424 Orig				< 0.005
260424 Dup				< 0.005
260434 Orig				0.318
260434 Dup				0.317
260444 Orig				0.046
260444 Dup				0.058
260459 Orig				1.778
260459 Dup				1.506
Method Blank				< 0.005
Method Blank				< 0.005





Report No.: A20-13326-8-4Acid
Report Date: 16-Apr-21
Date Submitted: 23-Oct-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

484 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2020-12-09 00:06:47

REPORT A20-13326-8-4Acid

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260467	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.005
260468	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.005
260469	< 3	< 0.003	0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.007
260470	< 3	< 0.003	0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.006
260471	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260472	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260473	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	0.004	< 0.003	0.005
260474	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	0.003	< 0.003	0.005
260475	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.005
260476	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	0.006	< 0.003	0.006
260477	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260478	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260479	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.005
260480	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260481	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260482	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260483	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260484	4	< 0.003	< 0.003	1.04	0.002	0.051	0.004	0.006	0.011
260485	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260486	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260487	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.021
260488	< 3	< 0.003	0.005	0.017	< 0.001	< 0.003	0.007	< 0.003	0.019
260489	< 3	< 0.003	0.005	0.018	< 0.001	< 0.003	0.007	< 0.003	0.014
260490	< 3	< 0.003	0.006	0.017	< 0.001	< 0.003	0.007	< 0.003	0.012
260491	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260492	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260493	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.004
260494	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260495	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.006
260496	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260497	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.014
260498	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260499	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.004
260500	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256867	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256868	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256869	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256870	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256871	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256872	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256873	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	0.004	< 0.003	0.002
256874	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256875	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256876	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256877	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	0.003	< 0.003	0.002
256878	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256879	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256880	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256881	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256882	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256883	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256884	4	< 0.003	< 0.003	1.10	0.002	0.053	0.004	0.005	0.010
256885	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256886	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256887	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256888	< 3	< 0.003	< 0.003	0.067	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256889	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256890	< 3	< 0.003	< 0.003	0.096	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256891	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256892	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256893	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256894	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256895	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256896	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256897	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256898	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256899	< 3	< 0.003	< 0.003	0.096	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256900	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256901	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256902	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256903	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256904	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256905	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256906	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256907	< 3	< 0.003	< 0.003	0.156	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256908	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256909	< 3	< 0.003	< 0.003	0.070	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256910	< 3	< 0.003	< 0.003	0.097	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256911	< 3	< 0.003	< 0.003	0.125	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256912	< 3	< 0.003	< 0.003	0.770	0.003	0.023	0.004	< 0.003	0.011
256913	< 3	< 0.003	< 0.003	0.133	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256914	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256915	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256916	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256917	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256918	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256919	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256920	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256921	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256922	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256923	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.010
256924	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256925	< 3	< 0.003	0.003	< 0.001	0.003	< 0.003	< 0.003	< 0.003	0.009
256926	< 3	< 0.003	< 0.003	0.013	0.003	< 0.003	< 0.003	< 0.003	0.008
256927	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	< 0.003	< 0.003	0.009
256928	< 3	< 0.003	< 0.003	0.008	0.003	< 0.003	< 0.003	< 0.003	0.010
256929	< 3	< 0.003	< 0.003	< 0.001	0.005	< 0.003	< 0.003	< 0.003	0.010
256930	< 3	< 0.003	< 0.003	< 0.001	0.005	< 0.003	< 0.003	< 0.003	0.011
256931	< 3	< 0.003	< 0.003	0.002	0.005	< 0.003	< 0.003	< 0.003	0.009

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256932	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256933	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256934	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256935	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256936	< 3	< 0.003	< 0.003	0.535	0.003	0.032	0.004	< 0.003	0.009
256937	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256938	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256939	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256940	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256941	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.005
256942	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256943	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256944	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256945	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256946	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256947	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256948	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256949	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256950	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256951	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256952	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256953	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256954	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256955	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256956	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256957	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256958	< 3	< 0.003	< 0.003	0.098	0.001	< 0.003	< 0.003	< 0.003	0.002
256959	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256960	< 3	< 0.003	< 0.003	0.277	0.003	0.005	0.007	< 0.003	0.008
256961	< 3	< 0.003	< 0.003	0.203	0.001	< 0.003	< 0.003	< 0.003	0.003
256962	< 3	< 0.003	< 0.003	0.086	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256963	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256964	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256965	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256966	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256967	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256968	< 3	< 0.003	< 0.003	0.270	0.001	< 0.003	< 0.003	< 0.003	0.004
256969	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	0.004
256970	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256971	< 3	< 0.003	< 0.003	0.261	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256972	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256973	< 3	< 0.003	< 0.003	0.211	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256974	< 3	< 0.003	< 0.003	0.225	0.005	< 0.003	0.007	< 0.003	0.007
256975	< 3	< 0.003	< 0.003	0.075	0.004	< 0.003	0.006	< 0.003	0.006
256976	< 3	< 0.003	< 0.003	0.190	0.005	< 0.003	0.005	< 0.003	0.009
256977	< 3	< 0.003	< 0.003	0.217	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256978	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256979	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	0.003	< 0.003	0.002
256980	< 3	< 0.003	< 0.003	0.097	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256981	< 3	< 0.003	< 0.003	0.238	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256982	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256983	< 3	< 0.003	< 0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256984	4	< 0.003	< 0.003	1.10	0.003	0.051	0.005	0.005	0.010
256985	< 3	< 0.003	< 0.003	0.165	0.001	< 0.003	< 0.003	< 0.003	0.002
256986	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.005
256987	< 3	< 0.003	< 0.003	0.248	0.001	< 0.003	< 0.003	< 0.003	0.004
256988	< 3	< 0.003	< 0.003	0.150	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256989	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256990	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256991	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.001
256992	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256993	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256994	< 3	< 0.003	< 0.003	0.098	0.002	< 0.003	< 0.003	< 0.003	0.002
256995	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256996	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
256997	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	0.002
256998	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.005
256999	< 3	< 0.003	< 0.003	0.079	0.001	< 0.003	< 0.003	< 0.003	0.004
257000	< 3	< 0.003	< 0.003	0.154	< 0.001	< 0.003	< 0.003	< 0.003	0.005
1076355	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076356	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076357	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076358	< 3	< 0.003	< 0.003	0.153	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076359	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.006
1076360	< 3	< 0.003	< 0.003	0.279	0.003	0.008	0.007	< 0.003	0.008
1076361	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076362	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076363	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076364	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.001
1076365	< 3	< 0.003	< 0.003	0.023	0.002	< 0.003	< 0.003	< 0.003	0.003
1076366	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076367	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.002
1076368	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076369	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076370	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076371	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076372	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076373	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076374	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076375	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076376	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076377	< 3	< 0.003	< 0.003	0.112	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076378	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076379	< 3	< 0.003	< 0.003	0.057	0.001	< 0.003	< 0.003	< 0.003	0.002
1076380	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	< 0.003	0.007
1076381	< 3	< 0.003	< 0.003	0.144	0.001	< 0.003	< 0.003	< 0.003	0.005
1076382	< 3	< 0.003	< 0.003	0.085	0.001	< 0.003	< 0.003	< 0.003	0.001
1076383	< 3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	< 0.003	0.002
1076384	4	< 0.003	< 0.003	1.11	0.003	0.052	0.005	0.006	0.011

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1076385	< 3	< 0.003	< 0.003	0.064	0.001	< 0.003	< 0.003	< 0.003	0.001
1076386	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076387	< 3	< 0.003	< 0.003	0.137	0.001	< 0.003	< 0.003	< 0.003	0.003
1076388	< 3	< 0.003	< 0.003	0.145	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076389	< 3	< 0.003	< 0.003	0.098	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076390	< 3	< 0.003	< 0.003	0.102	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076391	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076392	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076393	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076394	< 3	< 0.003	< 0.003	0.150	< 0.001	< 0.003	< 0.003	< 0.003	0.009
1076395	< 3	< 0.003	< 0.003	0.266	< 0.001	< 0.003	< 0.003	< 0.003	0.009
1076396	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076397	< 3	< 0.003	< 0.003	0.153	< 0.001	< 0.003	< 0.003	< 0.003	0.010
1076398	< 3	< 0.003	< 0.003	0.265	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076399	< 3	< 0.003	< 0.003	0.137	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076400	< 3	< 0.003	< 0.003	0.178	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076401	< 3	< 0.003	< 0.003	0.067	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076402	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076403	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076404	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076405	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076406	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076407	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076408	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076409	< 3	< 0.003	0.003	0.107	< 0.001	< 0.003	0.074	< 0.003	0.001
1076410	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076411	< 3	< 0.003	< 0.003	0.084	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076412	< 3	< 0.003	< 0.003	0.782	0.004	0.015	0.004	< 0.003	0.010
1076413	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076414	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076415	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076416	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076417	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076418	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076419	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076420	< 3	< 0.003	0.004	0.009	0.006	< 0.003	0.010	< 0.003	0.009
1076421	< 3	< 0.003	< 0.003	0.071	0.002	< 0.003	< 0.003	< 0.003	0.002
1076422	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076423	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076424	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076425	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076426	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076427	< 3	< 0.003	< 0.003	0.068	0.001	< 0.003	< 0.003	< 0.003	0.043
1076428	< 3	< 0.003	< 0.003	0.130	0.001	< 0.003	< 0.003	< 0.003	0.006
1076429	< 3	< 0.003	< 0.003	0.155	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076430	< 3	< 0.003	< 0.003	0.124	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076431	< 3	< 0.003	< 0.003	0.055	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076432	< 3	< 0.003	< 0.003	0.066	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076433	< 3	< 0.003	< 0.003	0.108	0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1076434	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076435	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076436	< 3	< 0.003	< 0.003	0.555	0.004	0.025	0.004	< 0.003	0.007
1076437	< 3	< 0.003	0.005	0.015	0.002	< 0.003	0.008	< 0.003	0.009
1076438	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076439	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076440	< 3	< 0.003	< 0.003	0.116	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076441	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076442	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076443	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076444	< 3	< 0.003	< 0.003	0.033	0.002	< 0.003	< 0.003	< 0.003	0.002
1076445	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	0.001
1076446	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	0.002
1076447	< 3	< 0.003	< 0.003	0.123	0.001	< 0.003	< 0.003	< 0.003	0.001
1076448	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076449	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.003
1076450	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	0.003
1076451	< 3	< 0.003	< 0.003	0.093	0.002	< 0.003	< 0.003	< 0.003	0.003
1076452	< 3	< 0.003	< 0.003	0.060	0.003	< 0.003	< 0.003	< 0.003	0.002
1076453	< 3	< 0.003	< 0.003	0.027	0.002	< 0.003	< 0.003	< 0.003	0.003
1076454	< 3	< 0.003	< 0.003	0.030	0.003	< 0.003	< 0.003	< 0.003	0.003
1076455	< 3	< 0.003	< 0.003	0.050	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1076456	< 3	< 0.003	< 0.003	0.061	0.002	< 0.003	< 0.003	< 0.003	< 0.001
1076457	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076458	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076459	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076460	< 3	< 0.003	< 0.003	0.277	0.004	< 0.003	0.007	< 0.003	0.007
1076461	< 3	< 0.003	< 0.003	0.108	0.002	< 0.003	< 0.003	< 0.003	0.004
1076462	< 3	< 0.003	0.003	0.117	0.002	< 0.003	< 0.003	< 0.003	0.005
1076463	< 3	< 0.003	< 0.003	0.110	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076464	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076465	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076466	< 3	< 0.003	< 0.003	0.066	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076467	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076468	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076469	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076470	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076471	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076472	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076473	< 3	< 0.003	< 0.003	0.097	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076474	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076475	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076476	< 3	< 0.003	< 0.003	0.204	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076477	< 3	< 0.003	< 0.003	0.101	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076478	< 3	< 0.003	< 0.003	0.127	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076479	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076480	< 3	< 0.003	< 0.003	0.060	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076481	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076482	< 3	< 0.003	< 0.003	0.065	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076483	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
1076484	5	< 0.003	< 0.003	1.10	0.003	0.044	0.005	0.005	0.009
1076485	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076486	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076487	< 3	< 0.003	< 0.003	0.160	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076488	< 3	< 0.003	< 0.003	0.179	0.001	< 0.003	< 0.003	< 0.003	0.003
1076489	< 3	< 0.003	< 0.003	0.052	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076490	< 3	< 0.003	< 0.003	0.061	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076491	< 3	< 0.003	< 0.003	0.097	0.001	< 0.003	< 0.003	< 0.003	0.001
1076492	< 3	< 0.003	< 0.003	0.081	0.001	< 0.003	< 0.003	< 0.003	0.002
1076493	< 3	< 0.003	< 0.003	0.164	0.001	< 0.003	< 0.003	< 0.003	0.004
1076494	< 3	< 0.003	< 0.003	0.147	0.001	< 0.003	< 0.003	< 0.003	0.002
1076495	< 3	< 0.003	< 0.003	0.217	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076496	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076497	< 3	< 0.003	< 0.003	0.215	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076498	< 3	< 0.003	< 0.003	0.241	< 0.001	< 0.003	< 0.003	< 0.003	0.002
1076499	< 3	< 0.003	< 0.003	0.144	0.001	< 0.003	< 0.003	< 0.003	0.002
1076500	< 3	< 0.003	< 0.003	0.054	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258501	< 3	< 0.003	< 0.003	0.046	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258502	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258503	< 3	< 0.003	< 0.003	0.046	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258504	< 3	< 0.003	< 0.003	0.061	0.001	< 0.003	< 0.003	< 0.003	0.001
258505	< 3	< 0.003	< 0.003	0.122	0.001	< 0.003	< 0.003	< 0.003	0.003
258506	< 3	< 0.003	< 0.003	0.067	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258507	< 3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	0.001
258508	< 3	< 0.003	< 0.003	0.099	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258509	< 3	< 0.003	< 0.003	0.087	0.001	< 0.003	< 0.003	< 0.003	0.001
258510	< 3	< 0.003	< 0.003	0.110	0.001	< 0.003	< 0.003	< 0.003	0.001
258511	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.001
258512	< 3	< 0.003	< 0.003	0.771	0.004	0.014	0.004	< 0.003	0.010
258513	< 3	< 0.003	< 0.003	0.052	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258514	< 3	< 0.003	< 0.003	0.131	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258515	< 3	< 0.003	< 0.003	0.179	0.001	< 0.003	< 0.003	< 0.003	0.002
258516	< 3	< 0.003	< 0.003	0.108	0.002	< 0.003	< 0.003	< 0.003	0.001
258517	< 3	< 0.003	< 0.003	0.149	0.001	< 0.003	< 0.003	< 0.003	0.003
258518	< 3	< 0.003	< 0.003	0.128	0.001	< 0.003	< 0.003	< 0.003	0.003
258519	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.002
258520	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.002
258521	< 3	< 0.003	< 0.003	0.084	0.001	< 0.003	< 0.003	< 0.003	0.003
258522	< 3	< 0.003	< 0.003	0.050	0.001	< 0.003	< 0.003	< 0.003	0.003
258523	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	0.004
258524	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258525	< 3	< 0.003	< 0.003	0.082	0.001	< 0.003	< 0.003	< 0.003	0.002
258526	< 3	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	< 0.003	0.002
258527	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.001
258528	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.002
258529	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.002
258530	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	0.002
258531	< 3	< 0.003	< 0.003	0.335	0.001	< 0.003	< 0.003	< 0.003	0.005
258532	< 3	< 0.003	< 0.003	0.122	0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258533	< 3	< 0.003	< 0.003	0.147	0.001	< 0.003	< 0.003	< 0.003	0.004
258534	< 3	< 0.003	< 0.003	0.255	0.002	< 0.003	< 0.003	< 0.003	0.005
258535	< 3	< 0.003	< 0.003	0.060	0.002	< 0.003	< 0.003	< 0.003	0.001
258536	< 3	< 0.003	< 0.003	0.537	0.004	0.029	< 0.003	< 0.003	0.009
258537	< 3	< 0.003	< 0.003	0.098	0.001	< 0.003	< 0.003	< 0.003	0.002
258538	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258539	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258540	< 3	< 0.003	< 0.003	0.077	0.001	< 0.003	< 0.003	< 0.003	0.002
258541	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258542	< 3	< 0.003	< 0.003	0.095	0.001	< 0.003	< 0.003	< 0.003	0.003
258543	< 3	< 0.003	< 0.003	0.181	0.001	< 0.003	< 0.003	< 0.003	0.003
258544	< 3	< 0.003	< 0.003	0.138	0.001	< 0.003	< 0.003	< 0.003	0.001
258545	< 3	< 0.003	< 0.003	0.088	0.001	< 0.003	< 0.003	< 0.003	0.001
258546	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258547	< 3	< 0.003	< 0.003	0.065	0.001	< 0.003	< 0.003	< 0.003	0.004
258548	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258549	< 3	< 0.003	< 0.003	0.109	0.001	< 0.003	< 0.003	< 0.003	0.003
258550	< 3	< 0.003	< 0.003	0.123	0.001	< 0.003	< 0.003	< 0.003	0.003
258551	< 3	< 0.003	< 0.003	0.021	0.004	< 0.003	< 0.003	< 0.003	0.005
258552	4	< 0.003	< 0.003	0.568	0.002	< 0.003	< 0.003	< 0.003	0.005
258553	< 3	< 0.003	< 0.003	0.129	0.001	< 0.003	< 0.003	< 0.003	0.002
258554	< 3	< 0.003	< 0.003	0.075	0.001	< 0.003	< 0.003	< 0.003	0.003
258555	< 3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	< 0.003	0.003
258556	< 3	< 0.003	< 0.003	0.312	0.002	< 0.003	< 0.003	< 0.003	0.003
258557	< 3	< 0.003	< 0.003	0.084	0.001	< 0.003	< 0.003	< 0.003	0.002
258558	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258559	< 3	< 0.003	< 0.003	0.116	0.001	< 0.003	< 0.003	< 0.003	0.002
258560	< 3	< 0.003	< 0.003	0.274	0.004	< 0.003	0.003	< 0.003	0.008
258561	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.002
258562	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.001
258563	< 3	< 0.003	< 0.003	0.127	0.001	< 0.003	< 0.003	< 0.003	0.001
258564	< 3	< 0.003	< 0.003	0.069	0.001	< 0.003	< 0.003	< 0.003	0.002
258565	< 3	< 0.003	< 0.003	0.039	0.002	< 0.003	< 0.003	< 0.003	0.002
258566	< 3	< 0.003	< 0.003	0.076	0.002	< 0.003	< 0.003	< 0.003	0.002
258567	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258568	< 3	< 0.003	< 0.003	0.094	0.001	< 0.003	< 0.003	< 0.003	0.003
258569	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	0.002
258570	< 3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	0.003
258571	< 3	< 0.003	< 0.003	0.120	0.001	< 0.003	< 0.003	< 0.003	0.004
258572	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258573	< 3	< 0.003	< 0.003	0.062	0.002	< 0.003	< 0.003	< 0.003	0.002
258574	< 3	< 0.003	< 0.003	0.064	0.001	< 0.003	< 0.003	< 0.003	0.002
258575	< 3	< 0.003	< 0.003	0.144	0.001	< 0.003	< 0.003	< 0.003	0.002
258576	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
258577	< 3	< 0.003	< 0.003	0.111	0.001	< 0.003	< 0.003	< 0.003	0.002
258578	< 3	< 0.003	< 0.003	0.104	0.001	< 0.003	< 0.003	< 0.003	0.002
258579	< 3	< 0.003	< 0.003	0.089	0.001	< 0.003	< 0.003	< 0.003	0.004
258580	< 3	< 0.003	< 0.003	0.082	0.001	< 0.003	< 0.003	< 0.003	0.002
258581	< 3	< 0.003	< 0.003	0.099	0.001	< 0.003	< 0.003	< 0.003	0.002
258582	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258583	< 3	< 0.003	< 0.003	0.112	0.001	< 0.003	< 0.003	< 0.003	0.003
258584	4	< 0.003	< 0.003	1.07	0.003	0.046	< 0.003	0.005	0.010
258585	< 3	< 0.003	< 0.003	0.150	0.002	< 0.003	< 0.003	< 0.003	0.003
258586	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258587	< 3	< 0.003	< 0.003	0.152	0.002	< 0.003	< 0.003	< 0.003	0.003
258588	< 3	< 0.003	< 0.003	0.089	0.002	< 0.003	< 0.003	< 0.003	0.003
258589	< 3	< 0.003	< 0.003	0.191	0.001	< 0.003	< 0.003	< 0.003	0.002
258590	< 3	< 0.003	< 0.003	0.179	0.001	< 0.003	< 0.003	< 0.003	0.003
258591	< 3	< 0.003	< 0.003	0.115	0.001	< 0.003	< 0.003	< 0.003	0.003
258592	< 3	< 0.003	< 0.003	0.220	0.001	< 0.003	< 0.003	< 0.003	0.004
258593	< 3	< 0.003	< 0.003	0.199	0.001	< 0.003	< 0.003	< 0.003	0.003
258594	< 3	< 0.003	< 0.003	0.093	0.001	< 0.003	< 0.003	< 0.003	0.002
258595	< 3	< 0.003	< 0.003	0.054	0.001	< 0.003	< 0.003	< 0.003	0.002
258596	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258597	3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	0.002
258598	< 3	< 0.003	< 0.003	0.141	0.001	< 0.003	< 0.003	< 0.003	0.002
258599	< 3	< 0.003	< 0.003	0.054	0.001	< 0.003	< 0.003	< 0.003	0.002
258600	< 3	< 0.003	< 0.003	0.120	0.001	< 0.003	< 0.003	< 0.003	0.002
258601	< 3	< 0.003	< 0.003	0.085	0.001	< 0.003	< 0.003	< 0.003	0.002
258602	< 3	< 0.003	< 0.003	0.027	0.001	< 0.003	< 0.003	< 0.003	0.002
258603	< 3	< 0.003	< 0.003	0.342	0.001	< 0.003	< 0.003	< 0.003	0.005
258604	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258605	< 3	< 0.003	< 0.003	0.240	0.001	< 0.003	< 0.003	< 0.003	0.006
258606	< 3	< 0.003	< 0.003	0.284	0.001	< 0.003	< 0.003	< 0.003	0.004
258607	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258608	10	< 0.003	< 0.003	0.803	0.001	< 0.003	< 0.003	< 0.003	0.009
258609	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258610	15	< 0.003	< 0.003	2.77	0.001	< 0.003	< 0.003	< 0.003	0.022
258611	6	< 0.003	0.003	1.27	0.004	< 0.003	< 0.003	< 0.003	0.009
258612	< 3	< 0.003	< 0.003	0.749	0.004	0.017	< 0.003	< 0.003	0.011
258613	< 3	< 0.003	< 0.003	0.079	0.001	< 0.003	< 0.003	< 0.003	0.002
258614	< 3	< 0.003	< 0.003	0.219	0.002	< 0.003	< 0.003	< 0.003	0.004
258615	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258616	< 3	< 0.003	< 0.003	0.150	0.001	< 0.003	< 0.003	< 0.003	0.002
258617	< 3	< 0.003	< 0.003	0.256	0.001	< 0.003	< 0.003	< 0.003	0.003
258618	< 3	< 0.003	< 0.003	0.181	0.001	< 0.003	< 0.003	< 0.003	0.006
258619	< 3	< 0.003	< 0.003	0.280	0.001	< 0.003	< 0.003	< 0.003	0.003
258620	< 3	< 0.003	< 0.003	0.178	0.001	< 0.003	< 0.003	< 0.003	0.002
258621	< 3	< 0.003	< 0.003	0.180	0.001	< 0.003	< 0.003	< 0.003	0.002
258622	< 3	< 0.003	< 0.003	0.241	0.001	< 0.003	< 0.003	< 0.003	0.002
258623	< 3	< 0.003	< 0.003	0.059	0.001	< 0.003	< 0.003	< 0.003	0.002
258624	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258625	< 3	< 0.003	< 0.003	0.103	0.001	< 0.003	< 0.003	< 0.003	0.003
258626	< 3	< 0.003	< 0.003	0.128	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258627	< 3	< 0.003	< 0.003	0.132	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258628	< 3	< 0.003	< 0.003	0.107	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258629	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258630	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258631	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258632	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258633	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258634	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258635	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258636	< 3	< 0.003	< 0.003	0.539	0.003	0.032	0.004	< 0.003	0.009
258637	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258638	< 3	< 0.003	< 0.003	0.138	< 0.001	< 0.003	< 0.003	< 0.003	0.004
258639	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258640	< 3	< 0.003	0.004	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.009
258641	< 3	< 0.003	0.004	0.018	0.002	< 0.003	< 0.003	< 0.003	0.004
258642	< 3	< 0.003	< 0.003	0.235	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258643	< 3	< 0.003	< 0.003	0.193	0.001	< 0.003	< 0.003	< 0.003	0.002
258644	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.002
258645	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258646	< 3	< 0.003	< 0.003	0.229	< 0.001	< 0.003	< 0.003	< 0.003	0.004
258647	< 3	< 0.003	< 0.003	0.188	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258648	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.090
258649	< 3	< 0.003	< 0.003	0.222	< 0.001	< 0.003	< 0.003	< 0.003	0.010
258650	< 3	< 0.003	< 0.003	0.240	< 0.001	< 0.003	< 0.003	< 0.003	0.008
258651	< 3	< 0.003	< 0.003	0.413	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258652	3	< 0.003	< 0.003	0.533	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258653	< 3	< 0.003	< 0.003	0.621	< 0.001	< 0.003	< 0.003	0.003	0.002
258654	< 3	< 0.003	< 0.003	0.425	0.001	< 0.003	< 0.003	< 0.003	0.001
258655	< 3	< 0.003	< 0.003	0.211	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258656	< 3	< 0.003	< 0.003	0.218	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258657	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258658	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258659	< 3	< 0.003	< 0.003	0.116	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258660	< 3	< 0.003	< 0.003	0.273	0.003	0.003	0.006	< 0.003	0.008
258661	< 3	< 0.003	< 0.003	0.129	< 0.001	< 0.003	< 0.003	< 0.003	0.004
258662	< 3	< 0.003	< 0.003	0.195	< 0.001	< 0.003	< 0.003	< 0.003	0.004
258663	< 3	< 0.003	< 0.003	0.202	< 0.001	< 0.003	< 0.003	< 0.003	0.004
258664	< 3	< 0.003	< 0.003	0.255	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258665	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258666	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258667	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258668	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.011
258669	< 3	< 0.003	< 0.003	0.220	< 0.001	< 0.003	< 0.003	< 0.003	0.015
258670	< 3	< 0.003	< 0.003	0.194	< 0.001	< 0.003	< 0.003	< 0.003	0.014

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	129		2.08	25.0			45.5		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	129		2.09	24.8			45.6		
PTM-1a Cert	135		2.05	24.96			47.44		
CCU-1C Meas				25.3					4.01
CCU-1C Cert				25.6					3.99
CCU-1C Meas				25.4					3.97
CCU-1C Cert				25.6					3.99
CCU-1C Meas				24.9					3.98
CCU-1C Cert				25.6					3.99
CCU-1C Meas				25.8					3.92
CCU-1C Cert				25.6					3.99
CCU-1C Meas				25.3					4.06
CCU-1C Cert				25.6					3.99
OREAS 14P Meas			0.074	0.964			2.12		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.940			2.13		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.071	0.956			2.09		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.974			2.11		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.966			2.11		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.575		0.050	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.563		0.053	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.578		0.050	< 0.003		0.003
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.555		0.048	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.567		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.013		1.48	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.44	< 0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.46	< 0.003	< 0.003	0.006
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.43	< 0.003	< 0.003	0.007

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.46	0.003	< 0.003	0.020
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	212	0.057	0.011	0.129				13.1	17.6
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	209	0.056	0.011	0.128				13.4	17.5
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	214	0.058	0.011	0.132				13.7	17.8
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	205	0.058	0.011	0.127				13.1	17.4
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	205	0.056	0.011	0.133				13.2	17.5
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	47	0.052		2.97		0.025		2.04	16.4
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.053		3.00		0.023		2.08	16.3
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.054		3.02		0.019		2.10	16.2
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.055		2.96		0.027		2.12	16.5
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.053		3.07		0.029		2.06	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.007	6.48				0.015	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	20		0.007	6.33				0.015	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.28				0.013	0.059
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.32				0.013	0.063
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.18				0.014	0.063
OREAS 97 (4 Acid) Meas	20		0.006	6.31				0.015	0.065

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Acid) Cert									
OREAS 98 (4 Acid) Meas	43		0.012	14.5				0.032	0.130
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.013	14.7				0.032	0.132
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.013	15.1				0.034	0.140
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.8				0.032	0.135
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	15.1				0.033	0.138
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.217				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.221				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.219				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.216				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.221				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.83				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.85				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86314 Meas					1.86				
NCS DC86314 Cert					1.81				
CZN-4 Meas	52	0.261	0.010	0.405				0.185	54.2
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.258	0.010	0.404				0.185	54.4
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	52	0.265	0.009	0.409				0.188	56.4
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.272	0.010	0.405				0.183	54.7
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	53	0.271	0.010	0.428				0.188	55.6
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.76				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.84				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.74				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.89				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	50		0.313	7.79			10.7	0.078	0.197
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.324	7.89			11.3	0.081	0.204
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	54		0.317	7.68			11.2	0.081	0.205
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.316	7.92			11.2	0.083	0.207
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.320	7.67			11.2	0.080	0.209
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 96 (4 Acid) Meas	11		0.006	3.91				0.013	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.006	3.89				0.012	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.77				0.011	0.042
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.79				0.013	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.87				0.012	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.157	0.006	< 0.003	0.035
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.147	0.003	< 0.003	0.037
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.008		0.147	0.014	< 0.003	0.036
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.0052	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.158	0.007	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.152	0.006	< 0.003	0.037
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
260479 Orig	< 3	< 0.003	0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260479 Dup	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.005
260492 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260492 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260500 Orig	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260500 Dup	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256882 Split Orig	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256882 Split	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256890 Orig	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256890 Dup	< 3	< 0.003	< 0.003	0.098	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256898 Orig	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256898 Dup	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256923 Orig	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.010
256923 Dup	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.011
256931 Orig	< 3	< 0.003	< 0.003	0.002	0.006	< 0.003	< 0.003	< 0.003	0.009

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
256931 Dup	< 3	< 0.003	< 0.003	0.002	0.005	< 0.003	< 0.003	< 0.003	0.009
256932 Split Orig	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.003
256932 Split	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256955 Orig	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256955 Dup	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256968 Orig	< 3	< 0.003	< 0.003	0.270	0.001	< 0.003	< 0.003	< 0.003	0.004
256968 Dup	< 3	< 0.003	< 0.003	0.270	0.001	< 0.003	< 0.003	< 0.003	0.003
256976 Orig	< 3	< 0.003	< 0.003	0.188	0.005	< 0.003	0.005	< 0.003	0.010
256976 Dup	< 3	< 0.003	< 0.003	0.192	0.005	< 0.003	0.005	< 0.003	0.007
256982 Split Orig	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	0.002
256982 Split	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257000 Orig	< 3	< 0.003	< 0.003	0.156	< 0.001	< 0.003	< 0.003	< 0.003	0.006
257000 Dup	< 3	< 0.003	< 0.003	0.152	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076362 Orig	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.003
1076362 Dup	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.004
1076386 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076386 Split PREP DUP	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	0.001
1076386 Orig	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076386 Dup	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	0.001
1076394 Orig	< 3	< 0.003	< 0.003	0.149	< 0.001	< 0.003	< 0.003	< 0.003	0.009
1076394 Dup	< 3	< 0.003	< 0.003	0.150	< 0.001	< 0.003	< 0.003	< 0.003	0.009
1076419 Orig	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076419 Dup	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076432 Orig	< 3	< 0.003	< 0.003	0.066	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076432 Dup	< 3	< 0.003	< 0.003	0.066	0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076437 Split Orig PREP DUP	< 3	< 0.003	0.005	0.015	0.002	< 0.003	0.008	< 0.003	0.009
1076437 Split PREP DUP	< 3	< 0.003	0.006	0.015	0.002	< 0.003	0.009	< 0.003	0.009
1076439 Orig	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076439 Dup	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076464 Orig	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076464 Dup	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076472 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076472 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076486 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076486 Split PREP DUP	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.001
1076496 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
1076496 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258504 Orig	< 3	< 0.003	< 0.003	0.062	0.001	< 0.003	< 0.003	< 0.003	0.001
258504 Dup	< 3	< 0.003	< 0.003	0.061	0.001	< 0.003	< 0.003	< 0.003	0.001
258529 Orig	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.002
258529 Dup	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.002
258537 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.098	0.001	< 0.003	< 0.003	< 0.003	0.002
258537 Split PREP DUP	< 3	< 0.003	< 0.003	0.100	0.001	< 0.003	< 0.003	< 0.003	0.001
258541 Orig	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.002







Report No.: A20-13326-Au Revised
Report Date: 15-Dec-20
Date Submitted: 23-Oct-20
Your Reference: 234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

484 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s), Description, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-13326-Au Revised

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260467	0.047								
260468	< 0.005								
260469	0.006								
260470	0.008								
260471	0.096								
260472	< 0.005								
260473	< 0.005								
260474	0.005								
260475	0.013								
260476	< 0.005								
260477	0.015								
260478	0.006								
260479	0.023								
260480	0.007								
260481	0.007								
260482	0.005								
260483	< 0.005								
260484	1.522								
260485	0.027								
260486	0.131								
260487	0.034								
260488	< 0.005								
260489	< 0.005								
260490	< 0.005								
260491	0.139								
260492	< 0.005								
260493	0.019								
260494	0.011								
260495	0.007								
260496	< 0.005								
260497	0.046								
260498	0.045								
260499	0.034								
260500	0.017								
256867	0.028								
256868	0.015								
256869	0.031								
256870	0.033								
256871	0.056								
256872	0.005								
256873	0.033								
256874	0.033								
256875	0.038								
256876	0.015								
256877	0.050								
256878	0.312								
256879	0.024								
256880	0.028								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256881	0.046								
256882	0.369								
256883	0.131								
256884	1.486								
256885	0.198								
256886	0.076								
256887	0.100								
256888	0.164								
256889	0.138								
256890	0.157								
256891	0.262								
256892	2.548								
256893	0.060								
256894	0.160								
256895	0.039								
256896	< 0.005								
256897	0.010								
256898	0.074								
256899	0.236								
256900	1.798								
256901	0.698								
256902	0.018								
256903	0.015								
256904	0.437								
256905	0.070								
256906	0.058								
256907	0.451								
256908	0.092								
256909	0.131								
256910	0.166								
256911	0.120								
256912	0.504								
256913	> 5.000	4.88	22.8	3.05	3.44	4.85	41.29	461.01	502.30
256914	0.046								
256915	0.040								
256916	0.209								
256917	0.099								
256918	0.072								
256919	0.017								
256920	0.058								
256921	0.173								
256922	0.037								
256923	0.013								
256924	< 0.005								
256925	< 0.005								
256926	0.015								
256927	< 0.005								
256928	0.009								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256929	< 0.005								
256930	0.005								
256931	0.008								
256932	0.022								
256933	0.046								
256934	0.092								
256935	0.085								
256936	0.716								
256937	0.048								
256938	0.017								
256939	0.011								
256940	0.240								
256941	0.027								
256942	0.030								
256943	0.016								
256944	0.094								
256945	0.038								
256946	0.038								
256947	0.089								
256948	< 0.005								
256949	0.011								
256950	0.013								
256951	0.041								
256952	0.136								
256953	0.082								
256954	0.133								
256955	0.038								
256956	0.185								
256957	0.045								
256958	0.239								
256959	0.152								
256960	0.256								
256961	1.891								
256962	0.114								
256963	0.147								
256964	0.097								
256965	0.162								
256966	0.034								
256967	0.068								
256968	0.111								
256969	0.093								
256970	0.092								
256971	0.561								
256972	< 0.005								
256973	1.102								
256974	0.409								
256975	0.139								
256976	0.237								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
256977	0.274								
256978	0.072								
256979	0.207								
256980	0.645								
256981	1.074								
256982	0.176								
256983	0.105								
256984	1.525								
256985	0.167								
256986	0.046								
256987	0.250								
256988	0.134								
256989	0.020								
256990	0.024								
256991	0.020								
256992	0.040								
256993	0.053								
256994	0.096								
256995	0.092								
256996	< 0.005								
256997	0.040								
256998	0.011								
256999	0.070								
257000	0.104								
1076355	0.091								
1076356	0.099								
1076357	0.030								
1076358	0.233								
1076359	0.088								
1076360	0.220								
1076361	0.052								
1076362	0.036								
1076363	0.010								
1076364	0.011								
1076365	0.040								
1076366	0.015								
1076367	0.015								
1076368	0.048								
1076369	0.051								
1076370	0.061								
1076371	0.062								
1076372	< 0.005								
1076373	0.018								
1076374	0.061								
1076375	0.054								
1076376	0.071								
1076377	0.121								
1076378	0.058								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1076379	0.035								
1076380	0.113								
1076381	0.185								
1076382	0.139								
1076383	0.071								
1076384	1.511								
1076385	0.149								
1076386	0.062								
1076387	0.456								
1076388	0.155								
1076389	0.334								
1076390	0.218								
1076391	0.292								
1076392	0.134								
1076393	0.465								
1076394	0.758								
1076395	0.639								
1076396	< 0.005								
1076397	0.262								
1076398	0.400								
1076399	0.241								
1076400	0.264								
1076401	0.370								
1076402	0.121								
1076403	0.105								
1076404	0.158								
1076405	0.035								
1076406	0.366								
1076407	< 0.005								
1076408	0.271								
1076409	0.679								
1076410	0.404								
1076411	0.222								
1076412	0.660								
1076413	0.017								
1076414	0.040								
1076415	0.023								
1076416	0.289								
1076417	0.015								
1076418	0.075								
1076419	0.072								
1076420	0.032								
1076421	0.088								
1076422	0.051								
1076423	0.047								
1076424	< 0.005								
1076425	0.045								
1076426	0.035								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1076427	0.090								
1076428	0.225								
1076429	0.259								
1076430	0.179								
1076431	0.094								
1076432	0.187								
1076433	0.171								
1076434	0.207								
1076435	0.082								
1076436	0.667								
1076437	< 0.005								
1076438	0.099								
1076439	0.123								
1076440	0.410								
1076441	0.098								
1076442	0.261								
1076443	0.842								
1076444	0.051								
1076445	0.468								
1076446	0.036								
1076447	0.689								
1076448	< 0.005								
1076449	0.015								
1076450	0.019								
1076451	0.549								
1076452	0.340								
1076453	1.307								
1076454	0.219								
1076455	0.181								
1076456	0.092								
1076457	0.030								
1076458	0.090								
1076459	0.047								
1076460	0.222								
1076461	0.953								
1076462	1.104								
1076463	0.235								
1076464	0.025								
1076465	0.005								
1076466	0.554								
1076467	0.061								
1076468	0.071								
1076469	0.045								
1076470	0.587								
1076471	0.129								
1076472	< 0.005								
1076473	0.195								
1076474	2.087								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
1076475	0.055								
1076476	0.166								
1076477	0.138								
1076478	0.072								
1076479	0.016								
1076480	0.118								
1076481	0.046								
1076482	0.046								
1076483	0.011								
1076484	1.450								
1076485	0.019								
1076486	0.064								
1076487	0.189								
1076488	< 0.005								
1076489	< 0.005								
1076490	< 0.005								
1076491	< 0.005								
1076492	< 0.005								
1076493	0.277								
1076494	0.459								
1076495	0.172								
1076496	< 0.005								
1076497	0.249								
1076498	0.299								
1076499	0.260								
1076500	0.116								
258501	0.167								
258502	0.062								
258503	0.057								
258504	0.620								
258505	0.472								
258506	0.163								
258507	0.035								
258508	0.126								
258509	0.059								
258510	0.083								
258511	0.081								
258512	0.466								
258513	0.964								
258514	0.128								
258515	0.129								
258516	0.137								
258517	0.181								
258518	0.116								
258519	0.012								
258520	0.009								
258521	0.181								
258522	0.175								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
258523	0.120								
258524	< 0.005								
258525	0.586								
258526	0.105								
258527	0.151								
258528	0.234								
258529	0.015								
258530	0.018								
258531	1.053								
258532	0.329								
258533	0.163								
258534	3.011	2.71							
258535	0.141								
258536	0.721								
258537	0.934								
258538	0.118								
258539	0.111								
258540	0.160								
258541	0.438								
258542	> 5.000	4.24	6.74	2.43	3.32	3.16	37.12	461.45	498.57
258543	4.321	3.72							
258544	0.213								
258545	0.402								
258546	0.037								
258547	0.298								
258548	< 0.005								
258549	0.888								
258550	0.951								
258551	3.050	3.24							
258552	0.507								
258553	0.348								
258554	0.075								
258555	0.040								
258556	> 5.000	9.43	7.44	6.11	4.93	5.67	38.59	468.35	506.94
258557	0.316								
258558	0.006								
258559	3.554	3.00							
258560	0.240								
258561	0.511								
258562	0.394								
258563	0.818								
258564	0.787								
258565	0.735								
258566	> 5.000	5.68	1.93	4.14	3.29	3.60	32.06	472.56	504.62
258567	0.010								
258568	0.457								
258569	0.365								
258570	0.667								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
258571	> 5.000	15.0	25.5	5.50	4.42	6.67	40.86	451.90	492.76
258572	< 0.005								
258573	0.454								
258574	0.986								
258575	0.269								
258576	0.019								
258577	1.695								
258578	0.555								
258579	> 5.000	11.2	9.50	13.9	11.5	12.5	39.48	464.15	503.63
258580	0.837								
258581	0.286								
258582	< 0.005								
258583	0.210								
258584	1.481								
258585	0.613								
258586	< 0.005								
258587	0.223								
258588	0.239								
258589	0.991								
258590	0.123								
258591	0.318								
258592	1.036								
258593	1.906								
258594	0.313								
258595	0.137								
258596	< 0.005								
258597	0.068								
258598	0.247								
258599	0.045								
258600	0.113								
258601	1.016								
258602	0.009								
258603	0.352								
258604	0.005								
258605	0.513								
258606	0.886								
258607	< 0.005								
258608	0.890								
258609	< 0.005								
258610	1.222								
258611	2.358								
258612	0.482								
258613	0.092								
258614	0.113								
258615	< 0.005								
258616	0.275								
258617	1.157								
258618	1.764								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
258619	0.314								
258620	1.072								
258621	2.801								
258622	0.264								
258623	0.770								
258624	0.005								
258625	0.289								
258626	1.282								
258627	1.401								
258628	0.270								
258629	1.268								
258630	0.121								
258631	0.261								
258632	0.077								
258633	0.766								
258634	0.065								
258635	0.117								
258636	0.695								
258637	0.030								
258638	0.268								
258639	0.327								
258640	0.008								
258641	0.115								
258642	0.458								
258643	0.172								
258644	2.323								
258645	0.087								
258646	0.259								
258647	0.158								
258648	< 0.005								
258649	1.210								
258650	1.426								
258651	0.477								
258652	0.279								
258653	0.838								
258654	0.434								
258655	0.176								
258656	0.319								
258657	0.074								
258658	> 5.000	7.82	10.8	6.45	7.12	6.97	23.56	502.28	525.84
258659	> 5.000	26.4	29.9	22.8	24.7	24.1	25.71	486.84	512.55
258660	0.230								
258661	0.439								
258662	1.263								
258663	1.195								
258664	0.405								
258665	< 0.005								
258666	0.106								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
258667	0.016								
258668	0.436								
258669	0.360								
258670	0.445								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 257 Meas		14.0	14.0	
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		14.0		
OREAS 257 Cert		14.18		
Oreas 237 (fire Assay) Meas	2.161			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.284			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.276			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.195			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.247			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.308			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.295			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.191			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.284			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.246			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.281			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.288			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.269			
Oreas 237 (fire Assay) Cert	2.21			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Oreas 237 (fire Assay) Meas	2.180			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.311			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.309			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.313			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.299			
Oreas 237 (fire Assay) Cert	2.21			
OREAS 228b (Fire Assay) Meas		8.59	8.64	
OREAS 228b (Fire Assay) Cert		8.57	8.57	
OREAS 228b (Fire Assay) Meas		8.68		
OREAS 228b (Fire Assay) Cert		8.57		
Oreas E1336 (Fire Assay) Meas	0.521			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.523			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.525			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.506			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.506			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.498			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.519			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.507			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Assay) Meas				
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.530			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.514			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.530			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.518			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.523			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.501			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.502			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.514			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.517			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.519			
Oreas E1336 (Fire Assay) Cert	0.510			
260476 Orig	0.007			
260476 Dup	< 0.005			
260496 Orig	< 0.005			
260496 Dup	< 0.005			
256877 Orig	0.049			
256877 Dup	0.052			
256882 Split Orig PREP DUP	0.369			
256882 Split PREP DUP	0.412			
256896 Orig	< 0.005			
256896 Dup	< 0.005			



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
256911 Orig	0.117			
256911 Dup	0.124			
256921 Orig	0.190			
256921 Dup	0.156			
256931 Orig	0.010			
256931 Dup	0.006			
256932 Split Orig PREP DUP	0.022			
256932 Split PREP DUP	0.025			
256945 Orig	0.045			
256945 Dup	0.031			
256955 Orig	0.038			
256955 Dup	0.037			
256965 Orig	0.154			
256965 Dup	0.171			
256980 Orig	0.612			
256980 Dup	0.677			
256982 Split Orig PREP DUP	0.176			
256982 Split PREP DUP	0.118			
256992 Orig	0.043			
256992 Dup	0.037			
1076356 Orig	0.113			
1076356 Dup	0.085			
1076366 Orig	0.018			
1076366 Dup	0.013			
1076381 Orig	0.184			
1076381 Dup	0.185			
1076386 Split Orig PREP DUP	0.062			
1076386 Split PREP DUP	0.047			
1076400 Orig	0.267			
1076400 Dup	0.261			
1076415 Orig	0.025			
1076415 Dup	0.020			
1076425 Orig	0.046			
1076425 Dup	0.044			
1076435 Orig	0.079			
1076435 Dup	0.085			
1076437 Split Orig PREP DUP	< 0.005			
1076437 Split PREP DUP	< 0.005			
1076449 Orig	0.015			
1076449 Dup	0.015			
1076459 Orig	0.045			
1076459 Dup	0.049			
1076485 Orig	0.020			
1076485 Dup	0.017			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
1076486 Split Orig PREP DUP	0.064			
1076486 Split PREP DUP	0.097			
1076496 Orig	< 0.005			
1076496 Dup	< 0.005			
258506 Orig	0.145			
258506 Dup	0.182			
258516 Orig	0.132			
258516 Dup	0.142			
258531 Orig	1.129			
258531 Dup	0.978			
258537 Split Orig PREP DUP	0.934			
258537 Split PREP DUP	1.000			
258540 Orig	0.140			
258540 Dup	0.181			
258565 Orig	0.695			
258565 Dup	0.775			
258575 Orig	0.251			
258575 Dup	0.288			
258587 Split Orig PREP DUP	0.223			
258587 Split PREP DUP	0.273			
258599 Orig	0.048			
258599 Dup	0.041			
258609 Orig	< 0.005			
258609 Dup	< 0.005			
258634 Orig	0.059			
258634 Dup	0.071			
258637 Split Orig PREP DUP	0.030			
258637 Split PREP DUP	0.030			
258643 Orig	0.197			
258643 Dup	0.148			
258653 Orig	0.827			
258653 Dup	0.849			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
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Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.03		
Method Blank		< 0.03		
Method Blank		< 0.03		
Method Blank		< 0.03		
Method Blank			< 0.03	
Method Blank			< 0.03	



Report No.: A20-13332-8-4Acid
Report Date: 18-Jan-21
Date Submitted: 23-Oct-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

180 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2021-01-13 12:52:20

REPORT A20-13332-8-4Acid

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259501	< 3	< 0.003	0.004	0.012	0.006	< 0.003	0.007	< 0.003	0.010
259502	< 3	< 0.003	0.004	0.015	0.005	< 0.003	0.008	< 0.003	0.012
259503	< 3	< 0.003	0.004	0.006	0.006	< 0.003	0.011	< 0.003	0.011
259504	< 3	< 0.003	0.004	0.008	0.008	< 0.003	0.009	< 0.003	0.011
259505	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259506	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
259507	< 3	< 0.003	< 0.003	0.004	0.005	< 0.003	0.007	< 0.003	0.011
259508	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259509	< 3	< 0.003	< 0.003	0.050	0.002	< 0.003	< 0.003	< 0.003	0.002
259510	< 3	< 0.003	< 0.003	0.052	0.002	< 0.003	< 0.003	< 0.003	0.002
259511	< 3	< 0.003	< 0.003	0.068	0.003	< 0.003	< 0.003	< 0.003	0.003
259512	< 3	< 0.003	< 0.003	0.786	0.004	0.023	0.004	< 0.003	0.010
259513	< 3	< 0.003	< 0.003	0.042	0.002	< 0.003	< 0.003	< 0.003	0.004
259514	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
259515	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.003
259516	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259517	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259518	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.005
259519	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259520	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259521	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.005
259522	< 3	< 0.003	< 0.003	0.054	0.001	< 0.003	0.003	< 0.003	0.004
259523	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259524	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259525	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259526	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
259527	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259528	< 3	< 0.003	< 0.003	0.102	0.002	< 0.003	< 0.003	< 0.003	0.006
259529	< 3	< 0.003	< 0.003	0.106	0.002	< 0.003	< 0.003	< 0.003	0.008
259530	< 3	< 0.003	< 0.003	0.111	0.002	< 0.003	< 0.003	< 0.003	0.008
259531	< 3	< 0.003	< 0.003	0.048	0.002	< 0.003	< 0.003	< 0.003	0.006
259532	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.004
259533	< 3	< 0.003	< 0.003	0.033	0.003	< 0.003	0.003	< 0.003	0.008
259534	< 3	< 0.003	< 0.003	0.016	0.003	< 0.003	0.004	< 0.003	0.009
259535	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259536	< 3	< 0.003	< 0.003	0.533	0.004	0.033	0.004	< 0.003	0.009
259537	< 3	< 0.003	0.003	0.007	0.008	< 0.003	0.004	< 0.003	0.012
259538	< 3	< 0.003	0.003	0.007	0.008	< 0.003	0.004	< 0.003	0.010
259539	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259540	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	0.013	< 0.003	0.007
259541	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.004
259542	< 3	< 0.003	< 0.003	0.021	0.005	< 0.003	0.004	< 0.003	0.012
259543	< 3	< 0.003	0.003	0.003	0.006	< 0.003	0.005	< 0.003	0.016
259544	< 3	< 0.003	0.004	0.011	0.004	< 0.003	0.004	< 0.003	0.017
259545	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259546	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259547	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259548	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259549	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259550	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259551	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.002
259552	< 3	< 0.003	< 0.003	0.038	0.001	< 0.003	< 0.003	< 0.003	0.002
259553	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259554	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259555	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259556	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	< 0.001
259557	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259558	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	< 0.003	0.002
259559	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259560	< 3	< 0.003	< 0.003	0.279	0.004	0.010	0.007	< 0.003	0.009
259561	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259562	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.002
259563	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.001
259564	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	0.001
259565	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259566	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.002
259567	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.001
259568	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259569	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.002
259570	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.001
259571	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259572	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259573	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259574	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259575	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259576	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259577	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259578	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259579	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.006
259580	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	0.007	0.032
259581	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	0.017	0.059
259582	< 3	< 0.003	0.004	0.032	0.005	< 0.003	0.011	0.102	0.422
259583	< 3	< 0.003	0.003	0.093	0.003	< 0.003	0.009	< 0.003	0.013
259584	4	< 0.003	< 0.003	1.10	0.003	0.052	0.005	0.005	0.010
259585	< 3	< 0.003	0.004	0.239	0.003	< 0.003	0.007	< 0.003	0.010
259586	5	< 0.003	0.003	0.047	0.003	< 0.003	0.006	< 0.003	0.007
259587	< 3	< 0.003	0.004	0.002	0.003	< 0.003	0.007	< 0.003	0.005
259588	< 3	< 0.003	0.003	0.002	0.002	< 0.003	0.006	< 0.003	0.005
259589	< 3	< 0.003	0.004	0.111	0.002	< 0.003	0.007	< 0.003	0.006
259590	< 3	< 0.003	0.004	0.034	0.003	< 0.003	0.007	< 0.003	0.006
259591	< 3	< 0.003	0.003	0.114	0.002	< 0.003	0.005	< 0.003	0.005
259592	< 3	< 0.003	0.003	0.052	0.002	< 0.003	0.005	< 0.003	0.005
259593	< 3	< 0.003	0.003	0.018	0.002	< 0.003	0.004	< 0.003	0.005
259594	< 3	< 0.003	0.003	0.014	0.002	< 0.003	0.004	< 0.003	0.005
259595	< 3	< 0.003	0.003	0.005	0.001	< 0.003	0.003	< 0.003	0.004
259596	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259597	< 3	< 0.003	0.004	0.008	< 0.001	< 0.003	0.003	< 0.003	0.004
259598	< 3	< 0.003	0.004	0.008	< 0.001	< 0.003	0.004	< 0.003	0.004
259599	< 3	< 0.003	0.005	0.041	0.001	< 0.003	0.004	< 0.003	0.005

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259600	< 3	< 0.003	0.005	0.017	0.001	< 0.003	< 0.003	< 0.003	0.006
259601	< 3	< 0.003	< 0.003	0.110	< 0.001	< 0.003	< 0.003	< 0.003	0.005
259602	< 3	< 0.003	< 0.003	0.221	< 0.001	< 0.003	< 0.003	< 0.003	0.004
259603	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259604	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259605	< 3	< 0.003	< 0.003	0.005	0.004	< 0.003	0.004	< 0.003	0.009
259606	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259607	< 3	< 0.003	0.003	0.006	0.004	< 0.003	0.005	< 0.003	0.007
259608	< 3	< 0.003	0.003	0.017	0.003	< 0.003	0.005	< 0.003	0.007
259609	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.002
259610	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259611	< 3	< 0.003	0.005	0.013	0.002	< 0.003	0.011	< 0.003	0.008
259612	< 3	< 0.003	< 0.003	0.799	0.004	0.022	0.004	< 0.003	0.011
259613	< 3	< 0.003	0.004	0.014	0.006	< 0.003	0.013	< 0.003	0.008
259614	< 3	< 0.003	< 0.003	0.083	0.002	< 0.003	< 0.003	< 0.003	0.002
259615	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.004
259616	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259617	< 3	< 0.003	< 0.003	0.164	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259618	< 3	< 0.003	< 0.003	0.097	0.001	< 0.003	< 0.003	< 0.003	0.002
259619	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259620	< 3	< 0.003	< 0.003	0.050	0.002	< 0.003	< 0.003	< 0.003	0.004
259621	< 3	< 0.003	0.003	0.015	0.004	< 0.003	0.004	< 0.003	0.007
259622	< 3	< 0.003	0.003	0.009	0.003	< 0.003	0.004	< 0.003	0.005
259623	< 3	< 0.003	< 0.003	< 0.001	0.005	< 0.003	0.004	< 0.003	0.005
259624	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259625	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	0.004	< 0.003	0.004
259626	< 3	< 0.003	< 0.003	0.007	0.005	< 0.003	0.004	< 0.003	0.005
259627	< 3	< 0.003	0.004	0.008	0.004	< 0.003	0.007	< 0.003	0.007
259628	< 3	< 0.003	0.005	0.010	0.002	< 0.003	0.012	< 0.003	0.007
259629	< 3	< 0.003	0.006	0.004	0.002	< 0.003	0.022	< 0.003	0.009
259630	< 3	< 0.003	0.006	0.005	0.002	< 0.003	0.022	< 0.003	0.008
259631	< 3	< 0.003	0.005	0.008	0.002	< 0.003	0.025	< 0.003	0.009
259632	< 3	< 0.003	0.006	0.005	0.002	< 0.003	0.030	< 0.003	0.009
259633	< 3	< 0.003	0.005	0.208	0.002	< 0.003	0.013	< 0.003	0.008
259634	< 3	< 0.003	0.003	0.008	0.003	< 0.003	0.005	< 0.003	0.005
259635	< 3	< 0.003	0.003	< 0.001	0.003	< 0.003	0.005	< 0.003	0.005
259636	< 3	< 0.003	< 0.003	0.546	0.004	0.032	0.004	< 0.003	0.009
259637	< 3	< 0.003	0.003	0.001	0.003	< 0.003	0.005	< 0.003	0.005
259638	< 3	< 0.003	0.003	< 0.001	0.003	< 0.003	0.005	< 0.003	0.005
259639	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.005	< 0.003	0.005
259640	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.006	< 0.003	0.005
259641	< 3	< 0.003	0.004	0.001	0.002	< 0.003	0.005	< 0.003	0.006
259642	< 3	< 0.003	0.005	0.008	0.001	< 0.003	0.005	< 0.003	0.005
259643	< 3	< 0.003	0.004	0.039	0.001	< 0.003	0.004	< 0.003	0.005
259644	< 3	< 0.003	0.004	0.033	0.001	< 0.003	< 0.003	< 0.003	0.005
259645	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.005
259646	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.004
259647	< 3	< 0.003	< 0.003	0.069	0.001	< 0.003	< 0.003	< 0.003	0.003
259648	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259649	< 3	< 0.003	0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.004
259650	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.004
259651	< 3	< 0.003	0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	0.004
259652	< 3	< 0.003	0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.005
259653	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	0.004	< 0.003	0.005
259654	< 3	< 0.003	0.003	< 0.001	0.002	< 0.003	0.003	< 0.003	0.005
259655	< 3	< 0.003	0.004	0.015	0.001	< 0.003	0.005	< 0.003	0.005
259656	< 3	< 0.003	0.004	0.017	0.001	< 0.003	0.004	< 0.003	0.005
259657	< 3	< 0.003	0.004	0.013	0.001	< 0.003	< 0.003	< 0.003	0.005
259658	< 3	< 0.003	0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.004
259659	< 3	< 0.003	< 0.003	0.481	0.001	< 0.003	< 0.003	< 0.003	0.006
259660	< 3	< 0.003	< 0.003	0.276	0.004	0.009	0.006	< 0.003	0.008
259661	< 3	< 0.003	< 0.003	0.026	0.002	< 0.003	< 0.003	< 0.003	0.003
259662	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.003
259663	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
259664	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.003
259665	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259666	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
259667	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259668	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259669	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
259670	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259671	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259672	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
259673	< 3	< 0.003	< 0.003	0.418	< 0.001	< 0.003	< 0.003	< 0.003	0.004
259674	< 3	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	< 0.003	0.002
259675	< 3	< 0.003	< 0.003	0.050	0.001	< 0.003	< 0.003	< 0.003	0.002
259676	< 3	< 0.003	< 0.003	0.116	0.001	< 0.003	< 0.003	< 0.003	0.001
259677	< 3	< 0.003	< 0.003	0.098	0.001	< 0.003	< 0.003	< 0.003	0.001
259678	< 3	< 0.003	< 0.003	0.056	0.001	< 0.003	< 0.003	< 0.003	0.001
259679	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259680	< 3	< 0.003	< 0.003	0.070	< 0.001	< 0.003	< 0.003	< 0.003	0.002



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	134		2.06	25.1			46.8		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	129		2.04	25.0			47.3		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.071	1.02			2.17		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.071	0.964			2.20		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.610		0.048	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.574		0.051	< 0.003		0.006
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.012		1.49	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.46	0.004	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	208	0.058	0.011	0.139				13.2	17.9
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	212	0.058	0.011	0.135				13.4	17.9
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	48	0.054		3.13		0.028		2.12	17.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.054		3.03		0.028		2.09	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.006	6.28				0.016	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	20		0.007	6.48				0.017	0.063
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	46		0.012	15.1				0.035	0.137
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.013	14.8				0.034	0.135
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.207				
NCS DC86303 Cert					0.210				
NCS DC86303					0.220				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Meas									
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
CZN-4 Meas	51	0.267	0.009	0.430				0.191	56.0
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.261	0.009	0.404				0.184	55.2
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.27				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.93				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	54		0.314	7.85			11.7	0.087	0.210
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.311	7.80			11.5	0.081	0.208
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	205	0.007	0.031	22.9				0.731	2.98
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	213	0.008	0.031	23.4				0.731	3.11
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	3.83				0.012	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 352 Peroxide Fusion Meas				0.064				51.9	2.18
OREAS 352 Peroxide Fusion Cert				0.0640				60.6	2.36
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.154	0.007	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.006		0.153	0.007	< 0.003	0.036
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
259513 Orig	< 3	< 0.003	< 0.003	0.040	0.002	< 0.003	< 0.003	< 0.003	0.004
259513 Dup	< 3	< 0.003	< 0.003	0.044	0.002	< 0.003	< 0.003	< 0.003	0.004
259526 Orig	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259526 Dup	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.002
259534 Orig	< 3	< 0.003	< 0.003	0.015	0.003	< 0.003	0.004	< 0.003	0.009
259534 Dup	< 3	< 0.003	< 0.003	0.016	0.003	< 0.003	0.004	< 0.003	0.009
259550 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259550 Split PREP DUP	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259558 Orig	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.002
259558 Dup	< 3	< 0.003	< 0.003	0.039	0.001	< 0.003	< 0.003	< 0.003	0.002
259566 Orig	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.002
259566 Dup	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.001
259591 Orig	< 3	< 0.003	0.003	0.114	0.002	< 0.003	0.005	< 0.003	0.005
259591 Dup	< 3	< 0.003	0.003	0.114	0.002	< 0.003	0.005	< 0.003	0.006
259599 Orig	< 3	< 0.003	0.005	0.041	0.001	< 0.003	0.004	< 0.003	0.005
259599 Dup	< 3	< 0.003	0.005	0.040	0.001	< 0.003	0.003	< 0.003	0.005
259600 Split Orig PREP DUP	< 3	< 0.003	0.005	0.017	0.001	< 0.003	< 0.003	< 0.003	0.006
259600 Split PREP DUP	< 3	< 0.003	0.005	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.005
259623 Orig	< 3	< 0.003	< 0.003	< 0.001	0.005	< 0.003	0.004	< 0.003	0.005
259623 Dup	< 3	< 0.003	0.003	< 0.001	0.005	< 0.003	0.004	< 0.003	0.005
259636 Orig	< 3	< 0.003	< 0.003	0.541	0.004	0.031	0.004	< 0.003	0.008
259636 Dup	< 3	< 0.003	< 0.003	0.551	0.004	0.032	0.004	< 0.003	0.009
259644 Orig	< 3	< 0.003	0.004	0.033	0.001	< 0.003	< 0.003	< 0.003	0.006
259644 Dup	< 3	< 0.003	0.004	0.033	0.001	< 0.003	0.003	< 0.003	0.005
259650 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.004
259650 Split PREP DUP	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.005
259668 Orig	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259668 Dup	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259676 Orig	< 3	< 0.003	< 0.003	0.114	0.001	< 0.003	< 0.003	< 0.003	0.001
259676 Dup	< 3	< 0.003	< 0.003	0.118	0.001	< 0.003	< 0.003	< 0.003	0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-13332-Au
Report Date: 16-Dec-20
Date Submitted: 23-Oct-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

180 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package requested, Test description, and Testing Date. Rows include 1A2-Timmins (ppm) and 1A3-50-Timmins.

REPORT A20-13332-Au

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259501	0.006								
259502	0.014								
259503	0.013								
259504	0.007								
259505	< 0.005								
259506	0.764								
259507	0.131								
259508	0.053								
259509	0.071								
259510	0.089								
259511	0.085								
259512	0.502								
259513	0.203								
259514	0.182								
259515	0.057								
259516	0.170								
259517	0.076								
259518	1.197								
259519	0.340								
259520	0.178								
259521	0.159								
259522	1.210								
259523	0.033								
259524	< 0.005								
259525	0.009								
259526	4.993	4.43							
259527	0.089								
259528	0.984								
259529	0.362								
259530	0.359								
259531	0.484								
259532	0.084								
259533	0.538								
259534	0.175								
259535	0.179								
259536	0.676								
259537	< 0.005								
259538	0.006								
259539	0.251								
259540	0.605								
259541	0.889								
259542	0.005								
259543	< 0.005								
259544	0.064								
259545	0.130								
259546	0.163								
259547	0.197								
259548	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259549	0.118								
259550	0.105								
259551	2.800								
259552	0.817								
259553	0.316								
259554	0.713								
259555	0.096								
259556	0.028								
259557	0.232								
259558	0.325								
259559	0.569								
259560	0.230								
259561	0.213								
259562	0.096								
259563	0.612								
259564	0.300								
259565	0.286								
259566	0.168								
259567	0.350								
259568	0.370								
259569	0.744								
259570	0.477								
259571	0.268								
259572	< 0.005								
259573	0.047								
259574	0.087								
259575	0.126								
259576	0.029								
259577	0.016								
259578	0.153								
259579	0.049								
259580	0.130								
259581	> 5.000	9.96	49.6	7.93	7.60	10.2	28.37	464.60	492.97
259582	1.810								
259583	2.681								
259584	1.507								
259585	0.931								
259586	1.683								
259587	0.005								
259588	< 0.005								
259589	0.283								
259590	0.074								
259591	0.378								
259592	0.153								
259593	0.024								
259594	0.018								
259595	< 0.005								
259596	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259597	0.008								
259598	0.015								
259599	0.148								
259600	0.011								
259601	0.789								
259602	0.730								
259603	0.234								
259604	0.339								
259605	0.015								
259606	0.061								
259607	< 0.005								
259608	< 0.005								
259609	0.070								
259610	0.093								
259611	< 0.005								
259612	0.490								
259613	< 0.005								
259614	0.405								
259615	0.142								
259616	0.133								
259617	0.110								
259618	0.152								
259619	0.232								
259620	0.083								
259621	0.202								
259622	0.630								
259623	0.145								
259624	< 0.005								
259625	0.020								
259626	0.034								
259627	< 0.005								
259628	< 0.005								
259629	0.005								
259630	< 0.005								
259631	0.005								
259632	< 0.005								
259633	0.413								
259634	0.096								
259635	0.005								
259636	0.636								
259637	< 0.005								
259638	< 0.005								
259639	0.035								
259640	0.026								
259641	0.006								
259642	< 0.005								
259643	0.056								
259644	0.086								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259645	0.324								
259646	0.212								
259647	0.188								
259648	< 0.005								
259649	0.050								
259650	0.053								
259651	0.054								
259652	0.076								
259653	0.006								
259654	< 0.005								
259655	0.311								
259656	0.025								
259657	0.035								
259658	0.055								
259659	0.107								
259660	0.234								
259661	0.060								
259662	0.015								
259663	0.010								
259664	0.026								
259665	0.041								
259666	0.009								
259667	0.073								
259668	0.073								
259669	0.051								
259670	0.045								
259671	0.130								
259672	< 0.005								
259673	0.087								
259674	0.108								
259675	0.097								
259676	0.356								
259677	0.292								
259678	0.145								
259679	0.223								
259680	0.380								



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 257 Meas		14.4	14.0	
OREAS 257 Cert		14.18	14.18	
Oreas 237 (fire Assay) Meas	2.169			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.317			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.225			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.105			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.308			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.229			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.265			
Oreas 237 (fire Assay) Cert	2.21			
OREAS 228b (Fire Assay) Meas		8.87	8.60	
OREAS 228b (Fire Assay) Cert		8.57	8.57	
Oreas E1336 (Fire Assay) Meas	0.512			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.522			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.516			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.501			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.497			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.527			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.509			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.517			
Oreas E1336 (Fire Assay) Cert	0.510			
259510 Orig	0.085			
259510 Dup	0.093			
259520 Orig	0.196			
259520 Dup	0.161			
259530 Orig	0.347			
259530 Dup	0.371			
259545 Orig	0.143			
259545 Dup	0.117			
259550 Split Orig PREP DUP	0.105			
259550 Split PREP DUP	0.131			
259579 Orig	0.044			
259579 Dup	0.055			
259581 Orig			10.2	492.97
259599 Orig	0.151			
259599 Dup	0.145			
259600 Split Orig PREP DUP	0.011			
259600 Split PREP DUP	0.013			
259613 Orig	< 0.005			
259613 Dup	< 0.005			
259623 Orig	0.142			
259623 Dup	0.147			
259648 Orig	< 0.005			
259648 Dup	< 0.005			
259650 Split Orig PREP DUP	0.053			
259650 Split PREP DUP	0.035			
259657 Orig	0.034			
259657 Dup	0.035			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank			< 0.03	
Method Blank			< 0.03	
Method Blank	0.005			
Method Blank	< 0.005			



Report No.: A20-13801-8-4Acid
Report Date: 19-Jan-21
Date Submitted: 30-Oct-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

121 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2021-01-07 23:59:02

REPORT A20-13801-8-4Acid

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259681	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259682	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259683	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259684	4	< 0.003	< 0.003	1.11	0.003	0.054	0.005	0.005	0.011
259685	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259686	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259687	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259688	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259689	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259690	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259691	< 3	< 0.003	< 0.003	0.154	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259692	< 3	< 0.003	< 0.003	0.167	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259693	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	0.010
259694	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	0.008
259695	< 3	< 0.003	< 0.003	0.257	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259696	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259697	< 3	< 0.003	< 0.003	0.178	0.001	< 0.003	< 0.003	< 0.003	0.014
259698	< 3	< 0.003	< 0.003	0.191	0.001	< 0.003	< 0.003	< 0.003	0.002
259699	< 3	< 0.003	< 0.003	0.136	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259700	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259701	< 3	< 0.003	< 0.003	0.102	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259702	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259703	< 3	< 0.003	< 0.003	0.094	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259704	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259705	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259706	< 3	< 0.003	< 0.003	0.172	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259707	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259708	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.001
259709	< 3	< 0.003	< 0.003	0.263	0.002	< 0.003	< 0.003	< 0.003	0.003
259710	< 3	< 0.003	< 0.003	0.235	0.002	< 0.003	< 0.003	< 0.003	0.003
259711	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259712	< 3	< 0.003	< 0.003	0.786	0.004	0.023	0.005	< 0.003	0.012
259713	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259714	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259715	< 3	< 0.003	< 0.003	0.091	< 0.001	0.005	0.003	< 0.003	0.001
259716	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259717	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.004
259718	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259719	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259720	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259721	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259722	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259723	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259724	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259725	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259726	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259727	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259728	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259729	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259730	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.004
259731	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259732	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259733	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259734	< 3	< 0.003	< 0.003	0.093	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259735	< 3	< 0.003	< 0.003	0.089	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259736	< 3	< 0.003	< 0.003	0.541	0.004	0.033	0.004	< 0.003	0.009
259737	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259738	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259739	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259740	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259741	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259742	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259743	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259744	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259745	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259746	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259747	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259748	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259749	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259750	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259751	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259752	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259753	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259754	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259755	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259756	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259757	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259758	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259759	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
259760	< 3	< 0.003	< 0.003	0.275	0.004	0.006	0.007	< 0.003	0.008
259761	< 3	< 0.003	< 0.003	0.335	0.004	< 0.003	< 0.003	< 0.003	0.007
259762	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259763	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259764	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259765	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.001
259766	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	0.001
259767	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.002
259768	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	0.001
259769	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259770	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259771	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259772	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	< 0.001
259773	< 3	< 0.003	< 0.003	0.012	0.003	< 0.003	< 0.003	< 0.003	0.002
259774	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
259775	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259776	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.001
259777	4	< 0.003	< 0.003	0.083	0.001	< 0.003	< 0.003	< 0.003	< 0.001
259778	< 3	< 0.003	< 0.003	0.122	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259779	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259780	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259781	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259782	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259783	< 3	< 0.003	< 0.003	0.061	0.001	< 0.003	< 0.003	< 0.003	0.002
259784	4	< 0.003	< 0.003	1.05	0.003	0.052	0.005	0.006	0.011
259785	< 3	< 0.003	< 0.003	0.092	0.001	< 0.003	< 0.003	< 0.003	0.002
259786	< 3	< 0.003	< 0.003	0.110	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259787	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.001
259788	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259789	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259790	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259791	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.002
259792	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259793	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259794	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	0.002
259795	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259796	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259797	< 3	< 0.003	< 0.003	0.131	0.001	< 0.003	< 0.003	< 0.003	0.002
259798	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259799	< 3	< 0.003	< 0.003	0.073	0.001	< 0.003	< 0.003	< 0.003	0.002
259800	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.002
259801	< 3	< 0.003	< 0.003	0.048	0.002	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	128		2.05	24.2			46.5		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	129		2.07	25.2			46.8		
PTM-1a Cert	135		2.05	24.96			47.44		
CCU-1C Meas				26.2					4.03
CCU-1C Cert				25.6					3.99
OREAS 14P Meas			0.070	0.952			2.17		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.071	0.966			2.16		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.585		0.057	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.587		0.050	< 0.003		0.006
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.008		1.46	0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.47	0.005	< 0.003	0.010
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	211	0.058	0.011	0.133				13.4	17.4
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	206	0.055	0.011	0.134				13.3	17.9
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	48	0.053		2.98		0.028		2.07	16.3
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	47	0.052		3.03		0.029		2.07	16.4
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.007	6.23				0.014	0.060
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.64				0.015	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	45		0.013	14.8				0.033	0.133
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.012	14.9				0.032	0.136
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.215				



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.217				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.85				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.80				
NCS DC86314 Cert					1.81				
CZN-4 Meas	51	0.260	0.009	0.406				0.183	55.0
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.262	0.011	0.414				0.186	56.5
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.84				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	52		0.323	8.04			11.6	0.084	0.207
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	56		0.318	7.61			11.6	0.081	0.209
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	212	0.008	0.032	23.1				0.728	3.01
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.006	4.13				0.011	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	4.04				0.012	0.046
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 352 Peroxide Fusion Meas				0.063				51.9	2.20
OREAS 352 Peroxide Fusion Cert				0.0640				60.6	2.36
OREAS 352 Peroxide Fusion Meas				0.063				51.9	2.25
OREAS 352 Peroxide Fusion Cert				0.0640				60.6	2.36
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.155	0.006	< 0.003	0.037
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.160	0.007	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
259693 Orig	< 3	< 0.003	< 0.003	0.109	< 0.001	< 0.003	< 0.003	< 0.003	0.010
259693 Dup	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.010
259706 Orig	< 3	< 0.003	< 0.003	0.170	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259706 Dup	< 3	< 0.003	< 0.003	0.173	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259714 Orig	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259714 Dup	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259730 Split PREP DUP	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259739 Orig	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259739 Dup	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259747 Orig	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259747 Dup	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259772 Orig	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	< 0.001
259772 Dup	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	< 0.001
259780 Split PREP DUP	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259780 Orig	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259780 Dup	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	0.004	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-13801-Au
Report Date: 14-Dec-20
Date Submitted: 30-Oct-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

121 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s), Testing Date, and details. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-13801-Au

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.02
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
259681	0.075								
259682	0.033								
259683	0.080								
259684	1.396								
259685	0.137								
259686	0.170								
259687	0.147								
259688	1.373								
259689	0.492								
259690	0.553								
259691	1.104								
259692	0.874								
259693	0.377								
259694	0.785								
259695	1.594								
259696	0.006								
259697	1.232								
259698	0.782								
259699	0.524								
259700	0.144								
259701	0.198								
259702	0.462								
259703	0.235								
259704	0.086								
259705	0.032								
259706	0.112								
259707	0.038								
259708	< 0.005								
259709	0.348								
259710	0.184								
259711	0.021								
259712	0.478								
259713	0.038								
259714	0.473								
259715	0.222								
259716	0.031								
259717	0.015								
259718	0.040								
259719	0.092								
259720	0.072								
259721	0.009								
259722	0.028								
259723	0.021								
259724	< 0.005								
259725	0.016								
259726	< 0.005								
259727	< 0.005								
259728	0.036								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.02
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
259729	0.030								
259730	0.025								
259731	0.013								
259732	0.011								
259733	0.046								
259734	1.123								
259735	0.185								
259736	0.676								
259737	0.939								
259738	1.283								
259739	1.096								
259740	0.022								
259741	0.290								
259742	0.032								
259743	0.078								
259744	0.051								
259745	0.060								
259746	0.047								
259747	< 0.005								
259748	< 0.005								
259749	0.018								
259750	0.015								
259751	0.033								
259752	0.049								
259753	0.020								
259754	0.005								
259755	0.019								
259756	< 0.005								
259757	0.083								
259758	0.552								
259759	0.025								
259760	0.224								
259761	1.784								
259762	0.030								
259763	0.253								
259764	0.033								
259765	0.068								
259766	0.149								
259767	0.056								
259768	> 5.000	99.4	8.33	8.62	14.2	30.36	452.83	483.19	21.8
259769	< 0.005								
259770	0.127								
259771	0.154								
259772	0.109								
259773	0.320								
259774	0.063								
259775	0.656								
259776	0.033								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppm	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	0.005	0.03	0.03	0.03	0.03				0.02
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
259777	1.494								
259778	0.943								
259779	0.013								
259780	0.032								
259781	0.048								
259782	0.050								
259783	0.067								
259784	1.466								
259785	0.340								
259786	0.510								
259787	0.049								
259788	0.042								
259789	0.060								
259790	0.053								
259791	0.092								
259792	0.017								
259793	0.516								
259794	0.050								
259795	0.041								
259796	< 0.005								
259797	0.157								
259798	0.131								
259799	0.195								
259800	0.107								
259801	0.215								

Analyte Symbol	Au	Total Au	Total Weight	Au
Unit Symbol	ppm	g/mt	g	g/tonne
Lower Limit	0.005	0.03		0.02
Method Code	FA-AA	FA-MeT	FA-MeT	FA- GRA
OREAS 257 Meas		13.6		14.2
OREAS 257 Cert		14.18		14.18
OREAS 257 Meas				13.9
OREAS 257 Cert				14.18
Oreas 237 (fire Assay) Meas	2.182			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.154			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.183			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.159			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.140			
Oreas 237 (fire Assay) Cert	2.21			
OREAS 228b (Fire Assay) Meas		8.23		8.45
OREAS 228b (Fire Assay) Cert		8.57		8.57
OREAS 228b (Fire Assay) Meas				8.58
OREAS 228b (Fire Assay) Cert				8.57
Oreas E1336 (Fire Assay) Meas	0.528			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.510			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.512			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.491			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.494			
Oreas E1336 (Fire Assay) Cert	0.510			
259700 Orig	0.151			
259700 Dup	0.137			
259725 Orig	0.013			
259725 Dup	0.020			

Analyte Symbol	Au	Total Au	Total Weight	Au
Unit Symbol	ppm	g/mt	g	g/tonne
Lower Limit	0.005	0.03		0.02
Method Code	FA-AA	FA-MeT	FA-MeT	FA- GRA
259730 Split Orig PREP DUP	0.025			
259730 Split PREP DUP	0.009			
259744 Orig	0.056			
259744 Dup	0.045			
259759 Orig	0.019			
259759 Dup	0.031			
259769 Orig	< 0.005			
259769 Dup	< 0.005			
259780 Split Orig PREP DUP	0.032			
259780 Split PREP DUP	0.023			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.03		
Method Blank		< 0.03		
Method Blank				< 0.02
Method Blank				< 0.02
Method Blank				< 0.02
Method Blank				< 0.02





Report No.: A20-13797-8-4Acid
Report Date: 04-Feb-21
Date Submitted: 30-Oct-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

430 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2021-01-07 12:16:06

REPORT A20-13797-8-4Acid

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Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257001	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.005
257002	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.040
257003	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	0.009	0.038
257004	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257005	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.008
257006	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257007	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	0.012	< 0.003	0.003
257008	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.004
257009	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257010	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257011	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257012	< 3	< 0.003	< 0.003	0.774	0.004	0.017	0.004	< 0.003	0.011
257013	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257014	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257015	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257016	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
257017	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257018	< 3	< 0.003	< 0.003	0.038	0.004	< 0.003	0.003	< 0.003	0.008
257019	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257020	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257021	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257022	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257023	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257024	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257025	< 3	< 0.003	0.007	0.096	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257026	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257027	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257028	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257029	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257030	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257031	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257032	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257033	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257034	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257035	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257036	< 3	< 0.003	< 0.003	0.510	0.004	0.028	0.004	< 0.003	0.008
257037	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257038	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257039	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257040	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257041	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257042	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257043	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257044	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257045	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257046	< 3	< 0.003	0.004	0.004	0.004	< 0.003	0.004	< 0.003	0.010
257047	< 3	< 0.003	0.004	0.007	0.005	< 0.003	0.004	< 0.003	0.018
257048	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257049	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257050	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257051	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257052	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257053	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257054	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.003
257055	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257056	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.023
257057	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.001
257058	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	< 0.003	0.002
257059	< 3	< 0.003	< 0.003	0.058	0.001	< 0.003	< 0.003	< 0.003	0.003
257060	< 3	< 0.003	< 0.003	0.276	0.004	0.003	0.006	< 0.003	0.008
257061	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257062	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.002
257063	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.002
257064	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.013
257065	< 3	< 0.003	< 0.003	0.038	0.001	< 0.003	< 0.003	< 0.003	0.007
257066	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.005
257067	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.001
257068	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257069	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257070	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257071	< 3	< 0.003	< 0.003	0.054	0.001	< 0.003	< 0.003	< 0.003	0.002
257072	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257073	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.002
257074	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.002
257075	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.001
257076	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257077	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257078	< 3	< 0.003	< 0.003	0.070	0.002	< 0.003	< 0.003	< 0.003	0.002
257079	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257080	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257081	< 3	< 0.003	< 0.003	0.057	0.001	< 0.003	< 0.003	< 0.003	0.002
257082	< 3	< 0.003	< 0.003	0.044	0.001	< 0.003	< 0.003	< 0.003	0.002
257083	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.001
257084	4	< 0.003	< 0.003	1.08	0.003	0.044	0.005	0.005	0.010
257085	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257086	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257087	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257088	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257089	< 3	< 0.003	< 0.003	0.083	0.001	< 0.003	< 0.003	< 0.003	0.002
257090	< 3	< 0.003	< 0.003	0.087	0.001	< 0.003	< 0.003	< 0.003	0.002
257091	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257092	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257093	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257094	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257095	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.001
257096	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257097	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.001
257098	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257099	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257100	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.002
257101	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257102	< 3	< 0.003	< 0.003	0.054	0.001	< 0.003	< 0.003	< 0.003	0.002
257103	< 3	< 0.003	< 0.003	0.069	0.001	< 0.003	< 0.003	< 0.003	0.003
257104	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257105	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257106	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257107	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257108	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257109	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257110	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257111	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257112	< 3	< 0.003	< 0.003	0.777	0.002	0.022	0.004	< 0.003	0.010
257113	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257114	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257115	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257116	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257117	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257118	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257119	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257120	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257121	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257122	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.018
257123	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257124	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.004
257125	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257126	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257127	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257128	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257129	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257130	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257131	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257132	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257133	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257134	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257135	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257136	< 3	< 0.003	< 0.003	0.547	0.002	0.032	0.004	< 0.003	0.008
257137	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.021
257138	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.173
257139	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.029
257140	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.004
257141	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257142	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.027
257143	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.020
257144	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257145	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.004
257146	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257147	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.004
257148	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257149	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257150	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257151	< 3	< 0.003	< 0.003	0.101	< 0.001	< 0.003	< 0.003	< 0.003	0.008
257152	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.006
257153	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257154	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257155	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257156	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257157	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257158	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257159	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257160	< 3	< 0.003	< 0.003	0.284	0.002	0.008	0.006	< 0.003	0.007
257161	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257162	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257163	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257164	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257165	< 3	< 0.003	< 0.003	0.035	0.002	< 0.003	< 0.003	< 0.003	0.007
257166	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.004
257167	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.006
257168	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.006
257169	< 3	< 0.003	0.004	0.165	0.001	< 0.003	0.003	< 0.003	0.011
257170	< 3	< 0.003	0.003	0.161	0.001	< 0.003	0.004	< 0.003	0.011
257171	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257172	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257173	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257174	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.006
257175	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.004
257176	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257177	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257178	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257179	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257180	< 3	< 0.003	< 0.003	0.019	< 0.001	0.005	< 0.003	< 0.003	0.001
257181	< 3	< 0.003	< 0.003	0.028	< 0.001	0.052	< 0.003	< 0.003	< 0.001
257182	< 3	< 0.003	< 0.003	0.168	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257183	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257184	< 3	< 0.003	< 0.003	1.10	0.001	0.051	0.004	0.005	0.009
257185	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257186	< 3	< 0.003	< 0.003	0.096	< 0.001	< 0.003	< 0.003	< 0.003	0.005
257187	4	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257188	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257189	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257190	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257191	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257192	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257193	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257194	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257195	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257196	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257197	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.015
257198	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.005

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257199	< 3	< 0.003	< 0.003	0.012	0.003	< 0.003	0.020	< 0.003	0.024
257200	< 3	< 0.003	0.003	0.002	0.002	< 0.003	0.021	< 0.003	0.014
257201	< 3	< 0.003	0.004	0.002	0.003	< 0.003	0.022	< 0.003	0.013
257202	< 3	< 0.003	0.004	0.012	0.003	< 0.003	0.020	< 0.003	0.009
257203	< 3	< 0.003	0.004	0.006	0.003	< 0.003	0.019	< 0.003	0.007
257204	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.021	< 0.003	0.007
257205	< 3	< 0.003	0.003	0.002	0.002	< 0.003	0.020	< 0.003	0.005
257206	< 3	< 0.003	0.003	0.001	0.002	< 0.003	0.020	< 0.003	0.004
257207	< 3	< 0.003	0.004	< 0.001	0.001	< 0.003	0.018	< 0.003	0.004
257208	< 3	< 0.003	0.003	< 0.001	< 0.001	< 0.003	0.017	< 0.003	0.003
257209	< 3	< 0.003	0.003	< 0.001	< 0.001	< 0.003	0.015	< 0.003	0.003
257210	< 3	< 0.003	0.003	< 0.001	< 0.001	< 0.003	0.015	< 0.003	0.003
257211	< 3	< 0.003	0.004	0.002	0.001	< 0.003	0.014	< 0.003	0.003
257212	< 3	< 0.003	< 0.003	0.792	0.002	0.023	0.004	< 0.003	0.010
257213	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	0.013	< 0.003	0.002
257214	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	0.013	< 0.003	0.004
257215	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	0.013	< 0.003	0.003
257216	< 3	< 0.003	0.003	0.004	< 0.001	< 0.003	0.014	< 0.003	0.003
257217	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	0.010	< 0.003	0.003
257218	< 3	< 0.003	< 0.003	0.007	0.002	0.077	0.008	< 0.003	0.003
257219	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257220	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	0.003	< 0.003	0.004
257221	< 3	< 0.003	< 0.003	0.008	0.004	< 0.003	0.007	< 0.003	0.022
257222	< 3	< 0.003	< 0.003	0.045	0.002	< 0.003	< 0.003	< 0.003	0.019
257223	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257224	< 3	< 0.003	0.005	0.019	0.003	< 0.003	0.009	< 0.003	0.025
257225	< 3	< 0.003	0.003	0.001	0.004	< 0.003	0.006	< 0.003	0.018
257226	< 3	< 0.003	0.004	0.003	0.004	< 0.003	0.007	< 0.003	0.011
257227	< 3	< 0.003	0.004	0.002	0.003	< 0.003	0.006	< 0.003	0.007
257228	< 3	< 0.003	0.004	0.002	0.002	< 0.003	0.006	< 0.003	0.006
257229	< 3	< 0.003	0.004	0.002	0.002	< 0.003	0.005	< 0.003	0.005
257230	< 3	< 0.003	0.004	0.002	0.002	< 0.003	0.005	< 0.003	0.005
257231	< 3	< 0.003	0.004	0.024	0.002	< 0.003	0.005	< 0.003	0.006
257232	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.005	< 0.003	0.006
257233	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.004	< 0.003	0.005
257234	< 3	< 0.003	0.004	0.001	0.002	< 0.003	0.005	< 0.003	0.005
257235	< 3	< 0.003	0.004	0.014	0.001	< 0.003	0.003	< 0.003	0.005
257236	< 3	< 0.003	< 0.003	0.556	0.004	0.033	0.004	< 0.003	0.009
257237	< 3	< 0.003	0.004	0.011	0.001	< 0.003	0.005	< 0.003	0.005
257238	< 3	< 0.003	0.004	0.011	0.001	< 0.003	0.003	< 0.003	0.006
257239	< 3	< 0.003	0.004	0.009	0.001	< 0.003	0.003	< 0.003	0.005
257240	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.004
257241	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.004
257242	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257243	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257244	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257245	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257246	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257247	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257248	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257249	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257250	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257251	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.003
257252	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	0.003	< 0.003	0.004
257253	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.003
257254	< 3	< 0.003	< 0.003	0.005	0.003	< 0.003	0.003	< 0.003	0.004
257255	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.003	< 0.003	0.003
257256	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.003
257257	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.004
257258	< 3	< 0.003	< 0.003	0.003	0.003	< 0.003	0.004	< 0.003	0.006
257259	< 3	< 0.003	< 0.003	0.004	0.003	< 0.003	0.003	< 0.003	0.004
257260	< 3	< 0.003	< 0.003	0.279	0.004	0.008	0.007	< 0.003	0.009
257261	< 3	< 0.003	< 0.003	0.017	0.003	< 0.003	0.005	< 0.003	0.004
257262	< 3	< 0.003	0.003	0.028	0.003	< 0.003	0.004	< 0.003	0.005
257263	< 3	< 0.003	0.004	0.017	0.003	< 0.003	0.005	< 0.003	0.005
257264	< 3	< 0.003	0.003	0.008	0.003	< 0.003	0.005	< 0.003	0.005
257265	< 3	< 0.003	0.004	0.014	0.003	< 0.003	0.005	< 0.003	0.005
257266	< 3	< 0.003	0.004	0.052	0.001	< 0.003	0.005	< 0.003	0.005
257267	< 3	< 0.003	0.004	0.037	0.002	< 0.003	0.006	< 0.003	0.005
257268	< 3	< 0.003	0.004	0.012	0.003	< 0.003	0.006	< 0.003	0.005
257269	< 3	< 0.003	0.004	0.012	0.003	< 0.003	0.006	< 0.003	0.006
257270	< 3	< 0.003	0.004	0.011	0.003	< 0.003	0.005	< 0.003	0.005
257271	< 3	< 0.003	0.004	0.052	0.003	< 0.003	0.005	< 0.003	0.006
257272	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257273	< 3	< 0.003	0.004	0.049	0.003	< 0.003	0.004	< 0.003	0.006
257274	< 3	< 0.003	0.003	0.046	0.002	< 0.003	0.003	< 0.003	0.005
257275	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	0.003
257276	< 3	< 0.003	0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.005
257277	< 3	< 0.003	0.003	0.040	0.002	< 0.003	0.004	< 0.003	0.005
257278	< 3	< 0.003	0.003	0.004	0.002	< 0.003	0.004	< 0.003	0.005
257279	< 3	< 0.003	0.004	0.012	0.001	< 0.003	0.004	< 0.003	0.005
257280	< 3	< 0.003	0.004	0.016	0.001	< 0.003	0.004	< 0.003	0.004
257281	< 3	< 0.003	0.003	0.019	< 0.001	< 0.003	0.004	< 0.003	0.005
257282	< 3	< 0.003	0.004	0.012	0.003	< 0.003	< 0.003	< 0.003	0.006
257283	< 3	< 0.003	< 0.003	0.003	0.003	< 0.003	0.003	< 0.003	0.007
257284	4	< 0.003	< 0.003	1.12	0.003	0.053	0.005	0.005	0.011
257285	< 3	< 0.003	0.004	0.017	< 0.001	< 0.003	0.005	< 0.003	0.005
257286	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.004
257287	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.004
257288	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.004
257289	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257290	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257291	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257292	< 3	< 0.003	< 0.003	0.063	0.001	< 0.003	< 0.003	< 0.003	0.003
257293	< 3	< 0.003	< 0.003	0.087	0.001	< 0.003	< 0.003	< 0.003	0.003
257294	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257295	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257296	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257297	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257298	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257299	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257300	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257301	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257302	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257303	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257304	< 3	< 0.003	< 0.003	0.028	< 0.001	0.024	< 0.003	< 0.003	0.001
257305	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.001
257306	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257307	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257308	< 3	< 0.003	< 0.003	0.118	0.001	< 0.003	< 0.003	< 0.003	0.002
257309	< 3	< 0.003	< 0.003	0.102	0.001	< 0.003	< 0.003	< 0.003	0.002
257310	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257311	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257312	< 3	< 0.003	< 0.003	0.766	0.003	0.022	0.004	< 0.003	0.011
257313	< 3	< 0.003	< 0.003	0.086	< 0.001	< 0.003	0.003	< 0.003	0.001
257314	< 3	< 0.003	0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257315	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257316	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.004
257317	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257318	< 3	< 0.003	0.004	0.002	0.004	< 0.003	< 0.003	< 0.003	0.011
257319	< 3	< 0.003	< 0.003	0.001	0.003	< 0.003	< 0.003	< 0.003	0.010
257320	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257321	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257322	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.003
257323	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257324	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257325	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257326	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257327	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257328	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257329	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257330	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257331	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257332	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257333	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257334	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257335	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257336	< 3	< 0.003	< 0.003	0.563	0.004	0.026	0.004	< 0.003	0.008
257337	< 3	< 0.003	< 0.003	0.193	< 0.001	< 0.003	0.003	< 0.003	< 0.001
257338	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257339	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257340	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257341	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257342	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257343	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257344	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257345	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257346	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257347	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.001
257348	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257349	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.002
257350	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.002
257351	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257352	< 3	< 0.003	< 0.003	0.017	0.006	< 0.003	< 0.003	< 0.003	0.004
257353	< 3	< 0.003	< 0.003	0.033	0.005	< 0.003	0.003	< 0.003	0.003
257354	< 3	< 0.003	< 0.003	0.019	0.006	< 0.003	0.004	< 0.003	0.004
257355	< 3	< 0.003	< 0.003	0.059	0.001	< 0.003	< 0.003	< 0.003	0.001
257356	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	0.001
257357	< 3	< 0.003	< 0.003	0.061	0.001	< 0.003	< 0.003	< 0.003	0.001
257358	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.001
257359	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257360	< 3	< 0.003	< 0.003	0.272	0.004	< 0.003	0.006	< 0.003	0.007
257361	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257362	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257363	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257364	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257365	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257366	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257367	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257368	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257369	< 3	< 0.003	< 0.003	0.131	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257370	< 3	< 0.003	< 0.003	0.131	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257371	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257372	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257373	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257374	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257375	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257376	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257377	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257378	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257379	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257380	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257381	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257382	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257383	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257384	4	< 0.003	< 0.003	1.08	0.003	0.043	0.004	0.005	0.009
257385	5	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257386	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257387	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257388	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257389	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257390	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257391	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257392	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257393	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257394	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257395	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257396	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257397	< 3	< 0.003	< 0.003	0.036	< 0.001	0.010	< 0.003	< 0.003	< 0.001
257398	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257399	< 3	< 0.003	< 0.003	0.350	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257400	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257401	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257402	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257403	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257404	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257405	< 3	< 0.003	< 0.003	0.073	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257406	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.001
257407	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257408	< 3	< 0.003	< 0.003	0.102	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257409	< 3	< 0.003	< 0.003	0.093	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257410	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257411	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257412	< 3	< 0.003	< 0.003	0.760	0.004	0.014	0.004	< 0.003	0.010
257413	< 3	< 0.003	< 0.003	0.060	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257414	< 3	< 0.003	< 0.003	0.087	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257415	< 3	< 0.003	< 0.003	0.074	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257416	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257417	< 3	< 0.003	< 0.003	0.067	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257418	< 3	< 0.003	< 0.003	0.156	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257419	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257420	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257421	< 3	< 0.003	< 0.003	0.116	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257422	< 3	< 0.003	< 0.003	0.140	0.002	< 0.003	< 0.003	< 0.003	0.001
257423	< 3	< 0.003	< 0.003	0.092	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257424	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257425	< 3	< 0.003	< 0.003	0.203	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257426	< 3	< 0.003	< 0.003	0.039	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257427	< 3	< 0.003	< 0.003	0.083	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257428	< 3	< 0.003	< 0.003	0.096	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257429	< 3	< 0.003	< 0.003	0.120	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257430	< 3	< 0.003	< 0.003	0.166	0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	128		2.05	24.5			45.5		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	132		2.10	25.6			46.3		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	131		2.07	24.3			45.8		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	136		2.12	25.7			47.5		
PTM-1a Cert	135		2.05	24.96			47.44		
CCU-1C Meas				25.1					3.99
CCU-1C Cert				25.6					3.99
CCU-1C Meas				25.5					3.98
CCU-1C Cert				25.6					3.99
CCU-1C Meas				24.3					3.85
CCU-1C Cert				25.6					3.99
CCU-1C Meas				25.3					4.07
CCU-1C Cert				25.6					3.99
OREAS 14P Meas			0.070	0.950			2.13		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.977			2.16		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.961			2.08		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.071	0.979			2.09		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.593		0.051	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.567		0.050	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.571		0.052	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.010		1.46	< 0.003	< 0.003	0.411
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.013		1.45	< 0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.44	< 0.003	< 0.003	0.006
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.011		1.46	0.007	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	210	0.056	0.011	0.132				13.4	17.5
OREAS 134b (4	209	0.0561	0.0107	0.135				13.4	18.0

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
ACID) Cert									
OREAS 134b (4 ACID) Meas	212	0.057	0.012	0.136				13.2	17.6
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	207	0.057	0.010	0.132				13.0	17.8
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	208	0.057	0.011	0.131				13.5	17.5
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	47	0.052		3.04		0.020		2.04	16.3
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	47	0.052		2.92		0.027		2.09	16.2
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	46	0.053		3.03		0.028		2.07	16.3
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	47	0.053		3.05		0.020		2.05	16.4
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.007	6.49				0.013	0.063
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.29				0.016	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	18		0.006	6.40				0.014	0.059
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.16				0.015	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	45		0.013	14.6				0.031	0.132
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	15.0				0.033	0.136
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	43		0.012	14.6				0.032	0.131
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.9				0.033	0.134
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.235				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.220				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.207				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.214				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.86				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.87				
NCS DC86314 Cert					1.81				
CZN-4 Meas	51	0.257	0.009	0.413				0.182	55.0
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.263	0.010	0.416				0.189	55.0
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	49	0.254	0.009	0.399				0.180	55.1
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.257	0.009	0.401				0.182	55.0
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.24				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.86				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.32				
Lithium Tetraborate FX-LT 100 lot#220610B					8				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Cert									
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.93				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	52		0.318	7.67			11.2	0.075	0.204
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	50		0.316	7.86			11.0	0.083	0.208
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	54		0.315	7.84			10.8	0.081	0.205
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.316	7.85			11.0	0.079	0.207
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
OREAS 96 (4 Acid) Meas	12		0.006	3.74				0.019	0.046
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.005	3.83				0.011	0.042
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	12		0.006	3.92				0.011	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.003		0.146	0.006	< 0.003	0.037
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.157	0.006	< 0.003	0.039
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.151	0.006	< 0.003	0.039
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.147	0.006	< 0.003	0.037
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
257013 Orig	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257013 Dup	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257026 Orig	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257026 Dup	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257034 Orig	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257034 Dup	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257050 Split Orig	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257050 Split	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.001
257058 Orig	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	0.002
257058 Dup	< 3	< 0.003	< 0.003	0.039	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257066 Orig	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.005
257066 Dup	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.005
257091 Orig	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257091 Dup	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257099 Orig	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.004
257099 Dup	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.003
257100 Split Orig	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.002
257100 Split	< 3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	0.002
257123 Orig	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257123 Dup	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257136 Orig	< 3	< 0.003	< 0.003	0.550	0.002	0.033	0.004	< 0.003	0.008
257136 Dup	< 3	< 0.003	< 0.003	0.545	0.002	0.032	0.004	< 0.003	0.008
257144 Orig	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257144 Dup	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257150 Split Orig	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257150 Split	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257168 Orig	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.006
257168 Dup	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.006
257176 Orig	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257176 Dup	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257200 Split Orig	< 3	< 0.003	0.003	0.002	0.002	< 0.003	0.021	< 0.003	0.014
257200 Split	< 3	< 0.003	0.003	0.002	0.002	< 0.003	0.021	< 0.003	0.014
257200 Orig	< 3	< 0.003	0.003	0.002	0.002	< 0.003	0.021	< 0.003	0.014
257200 Dup	< 3	< 0.003	0.003	0.002	0.002	< 0.003	0.021	< 0.003	0.014
257208 Orig	< 3	< 0.003	0.003	< 0.001	< 0.001	< 0.003	0.017	< 0.003	0.003
257208 Dup	< 3	< 0.003	0.003	< 0.001	0.001	< 0.003	0.017	< 0.003	0.003
257233 Orig	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.004	< 0.003	0.005
257233 Dup	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.004	< 0.003	0.006
257246 Orig	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257246 Dup	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257250 Split Orig	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257250 Split	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257253 Orig	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.003
257253 Dup	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.003
257278 Orig	< 3	< 0.003	0.003	0.004	0.002	< 0.003	0.004	< 0.003	0.006
257278 Dup	< 3	< 0.003	0.004	0.004	0.002	< 0.003	0.004	< 0.003	0.005
257286 Orig	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.004
257286 Dup	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.004
257300 Split Orig	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257300 Split	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257310 Orig	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257310 Dup	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
257318 Orig	< 3	< 0.003	0.004	0.002	0.004	< 0.003	< 0.003	< 0.003	0.011
257318 Dup	< 3	< 0.003	0.004	0.002	0.004	< 0.003	< 0.003	< 0.003	0.011
257343 Orig	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257343 Dup	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257350 Split Orig	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.002
257350 Split	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.002
257355 Orig	< 3	< 0.003	< 0.003	0.059	0.001	< 0.003	< 0.003	< 0.003	0.001
257355 Dup	< 3	< 0.003	< 0.003	0.060	0.001	< 0.003	< 0.003	< 0.003	0.001







Report No.: A20-13797-Au
Report Date: 22-Dec-20
Date Submitted: 30-Oct-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

430 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Description, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-13797-Au

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257001	0.038								
257002	2.115								
257003	> 5.000	31.9	438	14.4	18.2	47.5	36.23	453.11	489.34
257004	0.012								
257005	0.050								
257006	0.028								
257007	0.094								
257008	0.258								
257009	0.112								
257010	0.039								
257011	0.052								
257012	0.529								
257013	0.137								
257014	0.134								
257015	0.013								
257016	0.017								
257017	0.049								
257018	0.269								
257019	0.055								
257020	0.050								
257021	0.026								
257022	0.101								
257023	0.102								
257024	< 0.005								
257025	2.358								
257026	0.019								
257027	0.041								
257028	0.101								
257029	0.057								
257030	0.452								
257031	0.032								
257032	0.011								
257033	0.076								
257034	0.011								
257035	0.005								
257036	0.680								
257037	0.044								
257038	0.112								
257039	0.090								
257040	0.051								
257041	0.027								
257042	0.152								
257043	0.062								
257044	0.074								
257045	0.036								
257046	0.011								
257047	< 0.005								
257048	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257049	0.031								
257050	0.049								
257051	0.060								
257052	0.014								
257053	0.006								
257054	0.127								
257055	0.063								
257056	0.239								
257057	0.308								
257058	0.102								
257059	0.152								
257060	0.228								
257061	0.031								
257062	0.040								
257063	0.041								
257064	1.402								
257065	0.076								
257066	0.071								
257067	0.064								
257068	0.283								
257069	0.303								
257070	0.285								
257071	0.220								
257072	< 0.005								
257073	0.122								
257074	0.011								
257075	0.238								
257076	0.500								
257077	0.152								
257078	0.145								
257079	0.127								
257080	0.417								
257081	0.257								
257082	0.133								
257083	0.033								
257084	1.512								
257085	0.019								
257086	0.028								
257087	0.225								
257088	0.282								
257089	0.317								
257090	> 5.000	7.66	3.09	0.50	0.58	0.66	24.35	466.44	490.79
257091	0.120								
257092	0.211								
257093	0.685								
257094	0.193								
257095	0.294								
257096	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257097	0.215								
257098	0.282								
257099	0.118								
257100	0.148								
257101	0.117								
257102	0.108								
257103	0.172								
257104	0.506								
257105	0.438								
257106	0.088								
257107	0.140								
257108	0.519								
257109	0.091								
257110	0.404								
257111	0.014								
257112	0.497								
257113	0.245								
257114	0.449								
257115	0.042								
257116	0.145								
257117	0.020								
257118	0.015								
257119	0.012								
257120	0.023								
257121	0.214								
257122	0.048								
257123	0.131								
257124	< 0.005								
257125	0.028								
257126	0.048								
257127	0.067								
257128	< 0.005								
257129	0.007								
257130	0.011								
257131	0.024								
257132	0.275								
257133	0.053								
257134	0.725								
257135	0.052								
257136	0.671								
257137	1.771								
257138	1.866								
257139	2.739								
257140	0.465								
257141	0.009								
257142	0.071								
257143	0.160								
257144	1.040								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257145	0.077								
257146	0.080								
257147	0.149								
257148	< 0.005								
257149	0.074								
257150	0.005								
257151	0.105								
257152	0.007								
257153	4.051	4.34							
257154	0.279								
257155	0.026								
257156	0.031								
257157	0.012								
257158	0.268								
257159	0.006								
257160	0.231								
257161	1.101								
257162	0.169								
257163	0.120								
257164	0.143								
257165	0.231								
257166	0.017								
257167	0.022								
257168	0.120								
257169	0.618								
257170	0.468								
257171	0.259								
257172	< 0.005								
257173	0.113								
257174	0.152								
257175	0.333								
257176	0.048								
257177	0.026								
257178	> 5.000	5.89	30.1	1.79	1.98	3.21	22.80	463.24	486.04
257179	0.163								
257180	0.076								
257181	0.117								
257182	0.814								
257183	0.342								
257184	1.447								
257185	0.305								
257186	0.557								
257187	0.257								
257188	0.135								
257189	0.115								
257190	0.678								
257191	0.153								
257192	0.198								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257193	0.511								
257194	0.191								
257195	0.131								
257196	< 0.005								
257197	0.050								
257198	0.335								
257199	0.724								
257200	0.083								
257201	0.492								
257202	2.627								
257203	0.283								
257204	0.010								
257205	0.013								
257206	< 0.005								
257207	< 0.005								
257208	< 0.005								
257209	< 0.005								
257210	< 0.005								
257211	0.009								
257212	0.499								
257213	< 0.005								
257214	0.009								
257215	0.076								
257216	0.016								
257217	0.634								
257218	> 5.000	53.6	204	41.6	44.6	52.2	27.82	465.89	493.71
257219	< 0.005								
257220	3.288	3.92							
257221	4.696	5.31							
257222	0.199								
257223	< 0.005								
257224	0.643								
257225	2.026								
257226	0.067								
257227	0.092								
257228	0.564								
257229	1.240								
257230	1.104								
257231	1.825								
257232	0.559								
257233	0.209								
257234	0.377								
257235	0.046								
257236	0.689								
257237	0.046								
257238	0.700								
257239	0.026								
257240	0.231								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257241	0.167								
257242	0.128								
257243	0.178								
257244	0.129								
257245	0.200								
257246	0.203								
257247	0.173								
257248	< 0.005								
257249	0.398								
257250	0.362								
257251	0.667								
257252	0.175								
257253	0.238								
257254	0.159								
257255	0.521								
257256	0.167								
257257	0.031								
257258	0.695								
257259	0.415								
257260	0.222								
257261	0.689								
257262	0.964								
257263	0.387								
257264	0.612								
257265	1.065								
257266	1.221								
257267	0.426								
257268	0.226								
257269	0.113								
257270	0.197								
257271	1.419								
257272	< 0.005								
257273	0.475								
257274	1.403								
257275	0.985								
257276	0.401								
257277	0.579								
257278	0.333								
257279	0.071								
257280	0.139								
257281	0.067								
257282	0.017								
257283	0.049								
257284	1.502								
257285	0.209								
257286	0.548								
257287	0.262								
257288	0.195								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257289	0.231								
257290	0.260								
257291	0.133								
257292	0.254								
257293	0.333								
257294	0.645								
257295	0.707								
257296	< 0.005								
257297	0.815								
257298	0.193								
257299	0.065								
257300	0.095								
257301	0.136								
257302	0.278								
257303	1.406								
257304	> 5.000	17.2	96.1	13.2	13.4	19.5	40.00	497.58	537.58
257305	1.874								
257306	0.396								
257307	0.489								
257308	2.249								
257309	4.012	4.53							
257310	0.505								
257311	0.057								
257312	0.492								
257313	0.130								
257314	0.041								
257315	0.038								
257316	0.042								
257317	0.091								
257318	0.011								
257319	< 0.005								
257320	0.025								
257321	0.015								
257322	0.009								
257323	0.132								
257324	< 0.005								
257325	0.114								
257326	0.043								
257327	0.098								
257328	0.032								
257329	0.041								
257330	0.045								
257331	1.206								
257332	0.119								
257333	0.058								
257334	0.089								
257335	0.131								
257336	0.682								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257337	1.437								
257338	0.272								
257339	0.118								
257340	0.306								
257341	0.065								
257342	0.063								
257343	0.047								
257344	0.041								
257345	0.042								
257346	0.082								
257347	0.043								
257348	< 0.005								
257349	0.077								
257350	0.037								
257351	0.376								
257352	0.436								
257353	0.202								
257354	> 5.000	10.7	10.5	12.0	11.4	11.6	38.87	458.12	496.99
257355	0.268								
257356	0.074								
257357	0.112								
257358	0.142								
257359	0.261								
257360	0.217								
257361	0.031								
257362	0.041								
257363	0.047								
257364	0.020								
257365	0.007								
257366	0.308								
257367	0.060								
257368	0.118								
257369	0.177								
257370	0.151								
257371	0.123								
257372	< 0.005								
257373	0.034								
257374	0.240								
257375	0.102								
257376	0.081								
257377	0.027								
257378	0.086								
257379	0.191								
257380	0.081								
257381	0.050								
257382	0.566								
257383	0.154								
257384	1.496								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257385	> 5.000	47.3	231	47.6	45.4	59.3	33.70	449.81	483.51
257386	< 0.005								
257387	> 5.000	34.9	26.4	26.1	27.0	26.6	32.98	454.15	487.13
257388	< 0.005								
257389		4.667	4.26						
257390		3.219	2.80						
257391		0.195							
257392		0.034							
257393		0.075							
257394		0.064							
257395	< 0.005								
257396		0.023							
257397		0.078							
257398		0.340							
257399		0.126							
257400		0.249							
257401		0.035							
257402		0.063							
257403		0.153							
257404		0.034							
257405		0.236							
257406		0.072							
257407		0.319							
257408		0.244							
257409		0.564							
257410		0.794							
257411		0.114							
257412		0.497							
257413		0.209							
257414		1.922							
257415		0.231							
257416		2.211							
257417		0.633							
257418		0.806							
257419		0.348							
257420		1.322							
257421		0.614							
257422		0.541							
257423		1.393							
257424	< 0.005								
257425		0.254							
257426		0.326							
257427		1.520							
257428	> 5.000	12.7	7.22	8.20	8.19	8.13	32.44	452.90	485.34
257429		0.804							
257430		3.510	4.23						

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 257 Meas		13.9	13.6	
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		13.9		
OREAS 257 Cert		14.18		
OREAS 257 Meas		14.1		
OREAS 257 Cert		14.18		
Oreas 237 (fire Assay) Meas	2.182			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.249			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.143			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.190			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.308			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.203			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.102			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.149			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.276			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.232			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.255			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.257			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.287			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.150			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.226			
Oreas 237 (fire Assay) Cert	2.21			
OREAS 228b (Fire Assay) Meas		8.86	8.51	
OREAS 228b (Fire Assay) Cert		8.57	8.57	
OREAS 228b (Fire Assay) Meas		8.36		
OREAS 228b (Fire Assay) Cert		8.57		
OREAS 228b (Fire Assay) Meas		8.54		
OREAS 228b (Fire Assay) Cert		8.57		
Oreas E1336 (Fire Assay) Meas	0.523			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.512			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.520			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.530			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.503			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.504			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.506			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.509			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.520			
Oreas E1336 (Fire Assay) Cert	0.510			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Assay) Cert				
Oreas E1336 (Fire Assay) Meas	0.506			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.507			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.523			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.522			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.526			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.527			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.510			
Oreas E1336 (Fire Assay) Cert	0.510			
257010 Orig	0.034			
257010 Dup	0.044			
257020 Orig	0.059			
257020 Dup	0.042			
257030 Orig	0.498			
257030 Dup	0.406			
257045 Orig	0.025			
257045 Dup	0.047			
257050 Split Orig PREP DUP	0.049			
257050 Split PREP DUP	0.027			
257054 Orig	0.110			
257054 Dup	0.144			
257079 Orig	0.153			
257079 Dup	0.101			
257099 Orig	0.129			
257099 Dup	0.108			
257100 Split Orig PREP DUP	0.148			
257100 Split PREP DUP	0.210			
257113 Orig	0.261			
257113 Dup	0.228			
257123 Orig	0.156			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
257123 Dup	0.106			
257148 Orig	< 0.005			
257148 Dup	< 0.005			
257150 Split Orig PREP DUP	0.005			
257150 Split PREP DUP	< 0.005			
257157 Orig	0.011			
257157 Dup	0.012			
257167 Orig	0.022			
257167 Dup	0.022			
257182 Orig	0.862			
257182 Dup	0.766			
257200 Split Orig PREP DUP	0.083			
257200 Split PREP DUP	0.058			
257201 Orig	0.484			
257201 Dup	0.500			
257216 Orig	0.015			
257216 Dup	0.018			
257226 Orig	0.070			
257226 Dup	0.063			
257237 Orig	0.051			
257237 Dup	0.042			
257250 Split Orig PREP DUP	0.362			
257250 Split PREP DUP	0.399			
257250 Orig	0.415			
257250 Dup	0.309			
257261 Orig	0.689			
257261 Dup	0.690			
257270 Orig	0.200			
257270 Dup	0.193			
257285 Orig	0.205			
257285 Dup	0.213			
257300 Split Orig PREP DUP	0.095			
257300 Split PREP DUP	0.074			
257304 Orig	> 5.000		19.5	537.58
257304 Dup	> 5.000			
257319 Orig	< 0.005			
257319 Dup	0.005			
257339 Orig	0.098			
257339 Dup	0.139			
257350 Split Orig PREP DUP	0.037			
257350 Split PREP DUP	0.051			
257353 Orig	0.244			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
257353 Dup	0.160			
257363 Orig	0.046			
257363 Dup	0.048			
257373 Orig	0.042			
257373 Dup	0.025			
257400 Split Orig PREP DUP	0.249			
257400 Split PREP DUP	0.309			
257407 Orig	0.309			
257407 Dup	0.329			
257422 Orig	0.511			
257422 Dup	0.572			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
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Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank			< 0.03	
Method Blank			< 0.03	
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank	< 0.005			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		





Report No.: A20-14394-Au
Report Date: 20-Dec-20
Date Submitted: 09-Nov-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

74 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package requested, Test description, and Testing Date. Rows include 1A2-Timmins (ppm) and 1A3-50-Timmins.

REPORT A20-14394-Au

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
257431	0.856	
257432	0.884	
257433	0.612	
257434	0.225	
257435	0.253	
257436	0.654	
257437	0.594	
257438	0.244	
257439	0.215	
257440	0.373	
257441	0.422	
257442	0.760	
257443	0.712	
257444	0.595	
257445	0.173	
257446	0.395	
257447	3.283	3.74
257448	< 0.005	
257449	0.094	
257450	0.146	
257451	0.176	
257452	0.366	
257453	0.327	
257454	0.096	
257455	0.185	
257456	0.392	
257457	0.151	
257458	0.267	
257459	0.148	
257460	0.216	
257461	0.069	
257462	0.288	
257463	0.592	
257464	0.316	
257465	0.839	
257466	0.555	
257467	2.158	
257468	0.250	
257469	0.304	
257470	0.738	
257471	0.302	
257472	< 0.005	
257473	0.428	
257474	0.193	
257475	0.118	
257476	0.011	
257477	0.130	
257478	0.089	
257479	0.132	
257480	0.327	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
257481	0.090	
257482	0.508	
257483	0.118	
257484	1.483	
257485	0.019	
257486	0.162	
257487	0.064	
257488	0.075	
257489	0.111	
257490	0.135	
257491	2.439	
257492	0.528	
257493	0.118	
257494	0.171	
257495	0.317	
257496	< 0.005	
257497	0.686	
257498	0.039	
257499	0.048	
257500	1.311	
257501	1.079	
257502	0.628	
257503	1.009	
257504	0.396	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
OREAS 257 Meas		13.8
OREAS 257 Cert		14.18
Oreas 237 (fire Assay) Meas	2.267	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.282	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.233	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.304	
Oreas 237 (fire Assay) Cert	2.21	
OREAS 228b (Fire Assay) Meas		8.30
OREAS 228b (Fire Assay) Cert		8.57
Oreas E1336 (Fire Assay) Meas	0.504	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.506	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.514	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.465	
Oreas E1336 (Fire Assay) Cert	0.510	
257440 Orig	0.349	
257440 Dup	0.396	
257450 Orig	0.150	
257450 Dup	0.141	
257461 Orig	0.066	
257461 Dup	0.073	
257475 Orig	0.105	
257475 Dup	0.131	
257480 Split Orig PREP DUP	0.327	
257480 Split PREP DUP	0.287	
257485 Orig	0.014	
257485 Dup	0.023	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.02
Method Blank		< 0.02



IAMGOLD Corporation  
2140 Regent Street Unit 10  
Sudbury Ontario P3E 5S8  
Canada

Report No.: A20-14394-TD  
Report Date: 29-Jan-21  
Date Submitted: 09-Nov-20  
Your Reference: GOS-234

ATTN: Alan Smith

### CERTIFICATE OF ANALYSIS

74 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
8-4 Acid Total Digestion	QOP Total Assay (Code 8-4 Acid Total Digestion Assays)	2021-01-28 13:45:22

REPORT **A20-14394-TD**

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Notes:

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5  
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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257431	< 3	< 0.003	< 0.003	0.339	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257432	< 3	< 0.003	< 0.003	0.195	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257433	< 3	< 0.003	< 0.003	0.070	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257434	< 3	< 0.003	< 0.003	0.075	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257435	< 3	< 0.003	< 0.003	0.085	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257436	< 3	< 0.003	< 0.003	0.514	0.003	0.028	0.003	< 0.003	0.006
257437	< 3	< 0.003	< 0.003	0.102	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257438	< 3	< 0.003	< 0.003	0.073	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257439	< 3	< 0.003	< 0.003	0.076	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257440	< 3	< 0.003	< 0.003	0.164	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257441	< 3	< 0.003	< 0.003	0.150	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257442	< 3	< 0.003	< 0.003	0.219	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257443	< 3	< 0.003	< 0.003	0.098	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257444	< 3	< 0.003	< 0.003	0.098	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257445	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257446	< 3	< 0.003	< 0.003	0.016	0.006	< 0.003	0.004	< 0.003	0.005
257447	< 3	< 0.003	< 0.003	0.163	0.003	< 0.003	< 0.003	< 0.003	< 0.001
257448	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257449	< 3	< 0.003	< 0.003	0.045	0.003	< 0.003	< 0.003	< 0.003	< 0.001
257450	< 3	< 0.003	< 0.003	0.056	0.003	< 0.003	< 0.003	< 0.003	< 0.001
257451	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257452	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257453	< 3	< 0.003	< 0.003	0.081	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257454	< 3	< 0.003	< 0.003	0.081	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257455	< 3	< 0.003	< 0.003	0.075	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257456	< 3	< 0.003	< 0.003	0.202	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257457	< 3	< 0.003	< 0.003	0.142	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257458	< 3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257459	< 3	< 0.003	< 0.003	0.047	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257460	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257461	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257462	< 3	< 0.003	< 0.003	0.053	0.003	< 0.003	< 0.003	< 0.003	0.001
257463	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257464	< 3	< 0.003	< 0.003	0.042	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257465	< 3	< 0.003	< 0.003	0.093	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257466	< 3	< 0.003	< 0.003	0.266	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257467	< 3	< 0.003	< 0.003	0.129	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257468	< 3	< 0.003	< 0.003	0.122	0.003	< 0.003	< 0.003	< 0.003	0.001
257469	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257470	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257471	< 3	< 0.003	< 0.003	0.053	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257472	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257473	< 3	< 0.003	< 0.003	0.163	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257474	< 3	< 0.003	< 0.003	0.083	0.003	< 0.003	< 0.003	< 0.003	< 0.001
257475	< 3	< 0.003	< 0.003	0.022	0.004	< 0.003	< 0.003	< 0.003	0.001
257476	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257477	< 3	< 0.003	< 0.003	0.014	0.003	< 0.003	< 0.003	< 0.003	< 0.001
257478	< 3	< 0.003	< 0.003	0.038	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257479	< 3	< 0.003	< 0.003	0.049	0.003	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257480	< 3	< 0.003	< 0.003	0.044	0.003	< 0.003	< 0.003	< 0.003	0.002
257481	< 3	< 0.003	< 0.003	0.036	0.002	< 0.003	< 0.003	< 0.003	0.001
257482	< 3	< 0.003	< 0.003	0.006	0.003	< 0.003	< 0.003	< 0.003	0.002
257483	< 3	< 0.003	< 0.003	0.006	0.004	< 0.003	< 0.003	< 0.003	0.002
257484	5	< 0.003	< 0.003	1.10	0.003	0.045	0.005	0.006	0.009
257485	< 3	< 0.003	0.004	< 0.001	0.009	< 0.003	0.003	< 0.003	0.006
257486	< 3	< 0.003	< 0.003	0.040	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257487	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257488	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257489	< 3	< 0.003	< 0.003	0.053	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257490	< 3	< 0.003	< 0.003	0.065	0.002	< 0.003	< 0.003	< 0.003	0.002
257491	< 3	< 0.003	< 0.003	0.352	0.003	0.013	< 0.003	< 0.003	< 0.001
257492	< 3	< 0.003	< 0.003	0.130	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257493	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257494	< 3	< 0.003	< 0.003	0.018	0.003	< 0.003	< 0.003	< 0.003	< 0.001
257495	< 3	< 0.003	< 0.003	0.002	0.007	< 0.003	< 0.003	< 0.003	0.003
257496	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257497	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257498	< 3	< 0.003	0.004	< 0.001	0.013	< 0.003	0.003	< 0.003	0.008
257499	< 3	< 0.003	< 0.003	0.006	0.009	< 0.003	< 0.003	< 0.003	0.005
257500	< 3	< 0.003	< 0.003	0.252	0.003	< 0.003	< 0.003	< 0.003	0.001
257501	< 3	< 0.003	< 0.003	0.172	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257502	< 3	< 0.003	< 0.003	0.216	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257503	< 3	< 0.003	< 0.003	0.352	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257504	< 3	< 0.003	< 0.003	0.116	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	131		2.10	24.1			45.8		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.072	0.949			2.02		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.950			2.01		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.074	1.00			2.17		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.593		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.577		0.052	< 0.003		0.003
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.009		1.50	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.007		1.43	< 0.003	< 0.003	0.006
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	215	0.057	0.011	0.133				13.0	18.5
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	209	0.055	0.011	0.129				13.1	17.4
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	47	0.051		2.91		0.024		2.04	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.051		3.09		0.021		2.07	16.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	18		0.006	6.08				0.017	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	20		0.007	6.14				0.015	0.060
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	44		0.012	14.7				0.032	0.136
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.6				0.031	0.131
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.207				
NCS DC86303 Cert					0.210				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86303 Meas					0.216				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.88				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.85				
NCS DC86314 Cert					1.81				
CZN-4 Meas	52	0.264	0.011	0.422				0.187	54.5
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	52	0.253	0.009	0.412				0.182	56.9
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.84				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.84				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	55		0.315	7.58			10.8	0.080	0.205
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.323	7.89			11.2	0.080	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	209	0.008	0.031	23.4				0.705	3.14
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	208	0.008	0.032	23.5				0.725	3.09
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	3.98				0.011	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.006	3.95				0.011	0.043
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.003		0.156	0.006	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.002		0.145	0.006	< 0.003	0.036
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257443 Orig	< 3	< 0.003	< 0.003	0.097	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257443 Dup	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257456 Orig	< 3	< 0.003	< 0.003	0.204	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257456 Dup	< 3	< 0.003	< 0.003	0.200	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257464 Orig	< 3	< 0.003	< 0.003	0.042	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257464 Dup	< 3	< 0.003	< 0.003	0.042	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257489 Orig	< 3	< 0.003	< 0.003	0.053	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257489 Dup	< 3	< 0.003	< 0.003	0.053	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257497 Orig	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257497 Dup	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



IAMGOLD Corporation  
2140 Regent Street Unit 10  
Sudbury Ontario P3E 5S8  
Canada

Report No.: A20-14397-8-4Acid  
Report Date: 19-Feb-21  
Date Submitted: 09-Nov-20  
Your Reference: GOS-234

ATTN: Alan Smith

### CERTIFICATE OF ANALYSIS

481 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
8-4 Acid Total Digestion	QOP Total Assay (Code 8-4 Acid Total Digestion Assays)	2021-01-18 13:42:12

REPORT **A20-14397-8-4Acid**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Footnote: 8-4 acid, the following sample was insufficient for analysis: 259336.

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5  
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259001	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	0.004	< 0.003	0.002
259002	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259003	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259004	< 3	< 0.003	0.004	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259005	< 3	< 0.003	0.004	0.026	0.002	< 0.003	< 0.003	< 0.003	0.004
259006	< 3	< 0.003	< 0.003	0.019	0.002	< 0.003	< 0.003	< 0.003	0.002
259007	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	0.003	< 0.003	0.037
259008	< 3	< 0.003	0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259009	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
259010	< 3	< 0.003	0.003	0.046	0.001	< 0.003	< 0.003	< 0.003	0.002
259011	< 3	< 0.003	0.003	0.056	0.001	< 0.003	< 0.003	< 0.003	0.002
259012	< 3	< 0.003	< 0.003	0.706	0.003	0.022	0.004	< 0.003	0.008
259013	< 3	< 0.003	0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259014	< 3	< 0.003	0.003	0.148	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259015	< 3	< 0.003	0.003	0.170	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259016	< 3	< 0.003	0.005	0.015	0.001	< 0.003	0.007	< 0.003	0.007
259017	< 3	< 0.003	0.005	0.016	0.001	< 0.003	0.008	< 0.003	0.007
259018	< 3	< 0.003	0.004	0.114	< 0.001	< 0.003	< 0.003	< 0.003	0.005
259019	< 3	< 0.003	0.004	0.127	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259020	< 3	< 0.003	0.004	0.070	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259021	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259022	4	< 0.003	< 0.003	0.055	< 0.001	0.003	< 0.003	< 0.003	< 0.001
259023	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.002
259024	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259025	< 3	< 0.003	0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	0.002
259026	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	0.004	< 0.003	0.002
259027	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	0.004	< 0.003	0.002
259028	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	0.004	< 0.003	0.001
259029	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	0.004	< 0.003	0.002
259030	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	0.004	< 0.003	0.001
259031	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	0.003	< 0.003	0.002
259032	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.001
259033	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.001
259034	< 3	< 0.003	< 0.003	0.028	0.002	< 0.003	0.003	< 0.003	0.003
259035	< 3	< 0.003	0.003	0.004	0.002	< 0.003	0.004	< 0.003	0.002
259036	< 3	< 0.003	< 0.003	0.514	0.003	0.035	0.003	< 0.003	0.005
259037	< 3	< 0.003	0.003	0.006	0.002	< 0.003	0.003	< 0.003	0.002
259038	< 3	< 0.003	< 0.003	0.021	0.003	< 0.003	< 0.003	< 0.003	0.002
259039	< 3	< 0.003	< 0.003	0.078	0.005	< 0.003	0.004	< 0.003	0.004
259040	< 3	< 0.003	0.004	0.047	0.002	< 0.003	0.004	< 0.003	0.003
259041	< 3	< 0.003	< 0.003	0.020	0.002	< 0.003	0.003	< 0.003	0.002
259042	< 3	< 0.003	0.003	0.011	0.002	< 0.003	0.004	< 0.003	0.002
259043	< 3	< 0.003	0.003	0.013	0.001	< 0.003	0.004	< 0.003	0.002
259044	< 3	< 0.003	0.004	0.044	0.001	< 0.003	0.004	< 0.003	0.003
259045	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259046	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259047	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259048	< 3	< 0.003	< 0.003	0.122	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259049	< 3	< 0.003	< 0.003	0.058	0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259050	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259051	< 3	< 0.003	< 0.003	0.108	0.001	< 0.003	< 0.003	< 0.003	0.001
259052	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	< 0.001
259053	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259054	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259055	< 3	< 0.003	0.003	0.124	0.001	< 0.003	< 0.003	< 0.003	0.002
259056	< 3	< 0.003	< 0.003	0.090	0.001	< 0.003	< 0.003	< 0.003	0.004
259057	< 3	< 0.003	0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
259058	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259059	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259060	< 3	< 0.003	< 0.003	0.275	0.003	0.010	0.006	< 0.003	0.006
259061	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259062	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259063	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259064	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259065	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259066	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259067	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259068	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259069	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259070	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259071	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259072	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259073	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259074	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259075	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259076	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259077	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259078	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259079	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259080	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259081	< 3	< 0.003	0.004	0.031	0.004	< 0.003	0.004	< 0.003	0.007
259082	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259083	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259084	3	< 0.003	< 0.003	1.14	0.002	0.051	0.004	0.006	0.008
259085	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259086	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259087	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259088	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259089	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259090	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259091	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259092	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259093	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259094	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259095	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259096	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259097	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259098	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259099	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259100	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259101	4	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	0.010	0.041
259102	6	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	0.010	0.030
259103	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259104	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259105	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259106	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259107	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259108	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259109	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259110	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259111	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259112	< 3	< 0.003	< 0.003	0.796	0.003	0.023	0.003	< 0.003	0.009
259113	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259114	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259115	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259116	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259117	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259118	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259119	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259120	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259121	< 3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259122	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259123	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259124	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259125	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259126	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259127	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259128	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259129	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.007
259130	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.006
259131	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259132	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.005
259133	< 3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	< 0.003	0.001
259134	< 3	< 0.003	< 0.003	0.107	< 0.001	0.013	< 0.003	< 0.003	< 0.001
259135	< 3	< 0.003	< 0.003	0.121	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259136	< 3	< 0.003	< 0.003	0.515	0.003	0.029	< 0.003	< 0.003	0.007
259137	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259138	< 3	< 0.003	< 0.003	0.107	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259139	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259140	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259141	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259142	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259143	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259144	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259145	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259146	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259147	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259148	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259149	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259150	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259151	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259152	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259153	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259154	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259155	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259156	< 3	< 0.003	< 0.003	0.084	0.001	< 0.003	< 0.003	< 0.003	0.002
259157	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259158	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259159	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259160	< 3	< 0.003	< 0.003	0.271	0.004	< 0.003	0.005	< 0.003	0.007
259161	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259162	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259163	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259164	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259165	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259166	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259167	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259168	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259169	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259170	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259171	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259172	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259173	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259174	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.006
259175	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.043
259176	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259177	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259178	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259179	< 3	< 0.003	< 0.003	0.128	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259180	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259181	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259182	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259183	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259184	4	< 0.003	< 0.003	1.02	0.003	0.042	0.004	0.005	0.010
259185	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259186	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259187	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259188	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259189	< 3	< 0.003	< 0.003	0.054	0.002	< 0.003	< 0.003	< 0.003	0.004
259190	< 3	< 0.003	< 0.003	0.065	0.001	< 0.003	< 0.003	< 0.003	0.002
259191	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259192	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259193	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259194	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259195	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259196	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259197	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259198	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.001



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259199	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259200	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259201	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259202	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259203	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259204	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259205	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259206	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259207	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259208	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259209	< 3	< 0.003	< 0.003	0.075	0.001	< 0.003	< 0.003	< 0.003	< 0.001
259210	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259211	< 3	< 0.003	< 0.003	0.024	0.005	< 0.003	0.004	< 0.003	0.003
259212	< 3	< 0.003	< 0.003	0.753	0.004	0.015	0.003	< 0.003	0.010
259213	< 3	< 0.003	< 0.003	0.004	0.004	< 0.003	0.004	< 0.003	0.003
259214	< 3	< 0.003	< 0.003	0.100	0.004	< 0.003	< 0.003	< 0.003	0.003
259215	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259216	< 3	< 0.003	< 0.003	0.046	0.002	< 0.003	< 0.003	< 0.003	0.002
259217	< 3	< 0.003	< 0.003	0.144	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259218	< 3	< 0.003	< 0.003	0.141	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259219	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259220	< 3	< 0.003	< 0.003	0.094	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259221	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259222	< 3	< 0.003	< 0.003	0.059	0.001	< 0.003	< 0.003	< 0.003	< 0.001
259223	< 3	< 0.003	< 0.003	0.068	0.001	< 0.003	< 0.003	< 0.003	0.001
259224	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259225	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259226	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259227	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259228	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259229	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259230	< 3	< 0.003	< 0.003	0.067	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259231	< 3	< 0.003	< 0.003	0.097	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259232	< 3	< 0.003	< 0.003	0.076	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259233	< 3	< 0.003	< 0.003	0.091	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259234	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	0.004	< 0.003	0.001
259235	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259236	< 3	< 0.003	< 0.003	0.518	0.002	0.030	0.003	< 0.003	0.007
259237	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259238	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259239	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259240	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259241	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259242	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259243	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259244	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259245	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259246	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259247	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259248	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259249	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259250	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259251	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259252	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259253	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259254	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259255	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259256	< 3	< 0.003	< 0.003	0.160	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259257	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259258	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259259	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259260	< 3	< 0.003	< 0.003	0.271	0.003	0.007	0.006	< 0.003	0.007
259261	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259262	< 3	< 0.003	< 0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259263	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259264	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259265	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259266	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259267	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259268	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259269	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259270	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259271	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259272	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259273	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259274	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259275	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259276	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259277	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259278	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259279	< 3	< 0.003	< 0.003	0.246	< 0.001	< 0.003	< 0.003	< 0.003	0.005
259280	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259281	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259282	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259283	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259284	4	< 0.003	< 0.003	1.06	0.002	0.046	0.004	0.004	0.009
259285	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259286	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259287	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259288	< 3	< 0.003	< 0.003	0.086	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259289	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259290	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259291	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259292	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259293	< 3	< 0.003	< 0.003	0.087	0.001	< 0.003	< 0.003	< 0.003	0.002
259294	< 3	< 0.003	< 0.003	0.159	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259295	< 3	< 0.003	< 0.003	0.339	0.002	< 0.003	< 0.003	< 0.003	0.002
259296	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259297	< 3	< 0.003	< 0.003	0.301	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259298	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259299	< 3	< 0.003	< 0.003	0.174	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259300	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259301	< 3	< 0.003	< 0.003	0.137	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259302	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259303	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259304	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259305	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259306	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259307	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259308	< 3	< 0.003	< 0.003	0.135	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259309	< 3	< 0.003	< 0.003	0.121	< 0.001	< 0.003	< 0.003	< 0.003	0.004
259310	< 3	< 0.003	< 0.003	0.154	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259311	< 3	< 0.003	< 0.003	0.096	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259312	< 3	< 0.003	< 0.003	0.762	0.002	0.014	0.004	< 0.003	0.010
259313	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259314	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259315	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259316	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259317	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259318	< 3	< 0.003	< 0.003	0.045	0.006	< 0.003	0.005	< 0.003	0.006
259319	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259320	< 3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259321	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259322	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259323	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259324	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259325	< 3	< 0.003	< 0.003	0.254	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259326	< 3	< 0.003	< 0.003	0.226	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259327	< 3	< 0.003	< 0.003	0.156	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259328	< 3	< 0.003	< 0.003	0.173	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259329	< 3	< 0.003	< 0.003	0.139	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259330	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259331	< 3	< 0.003	< 0.003	0.131	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259332	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259333	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259334	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259335	< 3	< 0.003	< 0.003	0.195	< 0.001	< 0.003	< 0.003	< 0.003	0.011
259336									
259337	< 3	< 0.003	< 0.003	0.206	0.001	< 0.003	< 0.003	< 0.003	0.004
259338	< 3	< 0.003	< 0.003	0.328	0.001	< 0.003	< 0.003	< 0.003	0.008
259339	< 3	< 0.003	< 0.003	0.132	< 0.001	< 0.003	< 0.003	< 0.003	0.004
259340	< 3	< 0.003	< 0.003	0.136	0.002	< 0.003	< 0.003	< 0.003	0.003
259341	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	0.002
259342	< 3	< 0.003	< 0.003	0.150	< 0.001	< 0.003	< 0.003	< 0.003	0.004
259343	< 3	< 0.003	< 0.003	0.093	< 0.001	< 0.003	< 0.003	< 0.003	0.025
259344	< 3	< 0.003	< 0.003	0.317	0.002	< 0.003	< 0.003	< 0.003	0.003
259345	< 3	< 0.003	< 0.003	0.129	0.001	< 0.003	< 0.003	< 0.003	0.002
259346	< 3	< 0.003	< 0.003	0.112	0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259347	< 3	< 0.003	< 0.003	0.100	0.001	< 0.003	< 0.003	< 0.003	0.003
259348	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.004
259349	< 3	< 0.003	< 0.003	0.092	0.001	< 0.003	< 0.003	< 0.003	0.002
259350	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	0.004
259351	< 3	< 0.003	< 0.003	0.123	0.002	< 0.003	< 0.003	< 0.003	0.002
259352	< 3	< 0.003	< 0.003	0.096	0.001	< 0.003	< 0.003	< 0.003	0.002
259353	< 3	< 0.003	< 0.003	0.104	0.001	< 0.003	< 0.003	< 0.003	0.002
259354	< 3	< 0.003	< 0.003	0.138	0.001	< 0.003	< 0.003	< 0.003	0.002
259355	< 3	< 0.003	< 0.003	0.166	0.001	< 0.003	< 0.003	< 0.003	0.002
259356	< 3	< 0.003	< 0.003	0.013	0.003	< 0.003	< 0.003	< 0.003	0.009
259357	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259358	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259359	< 3	< 0.003	< 0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259360	< 3	< 0.003	< 0.003	0.277	0.003	< 0.003	0.006	< 0.003	0.008
259361	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259362	< 3	< 0.003	< 0.003	0.147	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259363	< 3	< 0.003	< 0.003	0.090	0.001	< 0.003	< 0.003	< 0.003	0.009
259364	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259365	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259366	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.004
259367	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259368	< 3	< 0.003	< 0.003	0.089	0.001	< 0.003	< 0.003	< 0.003	0.004
259369	< 3	< 0.003	< 0.003	0.061	0.001	< 0.003	< 0.003	< 0.003	0.002
259370	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.002
259371	< 3	< 0.003	< 0.003	0.100	0.001	< 0.003	< 0.003	< 0.003	0.003
259372	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259373	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	0.004
259374	< 3	< 0.003	< 0.003	0.088	0.001	< 0.003	< 0.003	< 0.003	0.004
259375	< 3	< 0.003	< 0.003	0.200	0.001	< 0.003	< 0.003	< 0.003	0.005
259376	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	0.007	< 0.003	0.002
259377	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	0.008	< 0.003	0.003
259378	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259379	< 3	< 0.003	< 0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259380	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259381	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259382	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259383	< 3	< 0.003	< 0.003	0.086	< 0.001	< 0.003	< 0.003	< 0.003	0.004
259384	4	< 0.003	< 0.003	1.08	0.002	0.045	0.004	0.005	0.010
259385	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259386	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259387	< 3	< 0.003	< 0.003	0.138	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259388	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259389	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259390	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259391	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259392	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259393	< 3	< 0.003	< 0.003	0.104	0.001	< 0.003	< 0.003	< 0.003	0.002
259394	< 3	< 0.003	< 0.003	0.107	0.001	< 0.003	< 0.003	< 0.003	0.004
259395	< 3	< 0.003	< 0.003	0.075	0.001	< 0.003	< 0.003	< 0.003	0.002
259396	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259397	< 3	< 0.003	< 0.003	0.127	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259398	< 3	< 0.003	< 0.003	0.101	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259399	< 3	< 0.003	< 0.003	0.326	0.001	< 0.003	< 0.003	< 0.003	0.006
259400	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259401	< 3	< 0.003	< 0.003	0.248	0.001	< 0.003	< 0.003	< 0.003	0.007
259402	< 3	< 0.003	< 0.003	0.078	0.001	< 0.003	< 0.003	< 0.003	0.003
259403	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259404	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259405	< 3	< 0.003	< 0.003	0.192	0.001	< 0.003	< 0.003	< 0.003	0.003
259406	< 3	< 0.003	< 0.003	0.124	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259407	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259408	< 3	< 0.003	< 0.003	0.142	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259409	< 3	< 0.003	< 0.003	0.114	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259410	< 3	< 0.003	< 0.003	0.176	0.001	< 0.003	< 0.003	< 0.003	0.002
259411	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	0.003
259412	< 3	< 0.003	< 0.003	0.807	0.003	0.016	0.004	< 0.003	0.011
259413	< 3	< 0.003	< 0.003	0.114	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259414	< 3	< 0.003	< 0.003	0.141	< 0.001	< 0.003	< 0.003	< 0.003	0.004
259415	< 3	< 0.003	< 0.003	0.140	0.001	< 0.003	< 0.003	< 0.003	0.002
259416	< 3	< 0.003	< 0.003	0.101	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259417	< 3	< 0.003	< 0.003	0.250	0.001	< 0.003	< 0.003	< 0.003	0.005
259418	< 3	< 0.003	< 0.003	0.174	0.001	< 0.003	< 0.003	< 0.003	0.008
259419	< 3	< 0.003	< 0.003	0.136	0.001	< 0.003	< 0.003	< 0.003	0.004
259420	< 3	< 0.003	< 0.003	0.097	0.001	< 0.003	< 0.003	< 0.003	0.002
259421	< 3	< 0.003	< 0.003	0.074	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259422	< 3	< 0.003	< 0.003	0.131	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259423	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259424	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259425	< 3	< 0.003	< 0.003	0.177	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259426	< 3	< 0.003	< 0.003	0.223	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259427	< 3	< 0.003	< 0.003	0.133	0.001	< 0.003	< 0.003	< 0.003	0.002
259428	< 3	< 0.003	< 0.003	0.167	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259429	< 3	< 0.003	< 0.003	0.221	< 0.001	< 0.003	< 0.003	< 0.003	0.013
259430	< 3	< 0.003	< 0.003	0.192	< 0.001	< 0.003	< 0.003	< 0.003	0.008
259431	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.017
259432	< 3	< 0.003	< 0.003	0.254	0.001	< 0.003	< 0.003	< 0.003	0.004
259433	< 3	< 0.003	< 0.003	0.095	0.002	< 0.003	< 0.003	< 0.003	0.007
259434	< 3	< 0.003	< 0.003	0.135	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259435	< 3	< 0.003	< 0.003	0.165	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259436	< 3	< 0.003	< 0.003	0.519	0.002	0.029	0.004	< 0.003	0.007
259437	< 3	< 0.003	< 0.003	0.056	0.002	< 0.003	< 0.003	< 0.003	0.006
259438	< 3	< 0.003	< 0.003	0.056	0.003	< 0.003	< 0.003	< 0.003	0.005
259439	< 3	< 0.003	< 0.003	0.070	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259440	< 3	< 0.003	< 0.003	0.096	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259441	< 3	< 0.003	< 0.003	0.097	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259442	< 3	< 0.003	< 0.003	0.147	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259443	< 3	< 0.003	< 0.003	0.084	0.001	< 0.003	< 0.003	< 0.003	0.002
259444	< 3	< 0.003	< 0.003	0.096	0.001	< 0.003	< 0.003	< 0.003	0.002
259445	< 3	< 0.003	< 0.003	0.095	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259446	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259447	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259448	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259449	< 3	< 0.003	< 0.003	0.133	0.001	< 0.003	< 0.003	< 0.003	0.002
259450	< 3	< 0.003	< 0.003	0.118	0.001	< 0.003	< 0.003	< 0.003	0.002
259451	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259452	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259453	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259454	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259455	3	< 0.003	< 0.003	0.090	0.001	0.003	< 0.003	< 0.003	0.001
259456	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259457	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259458	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259459	< 3	< 0.003	< 0.003	0.115	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259460	< 3	< 0.003	< 0.003	0.284	0.003	< 0.003	0.007	< 0.003	0.008
259461	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259462	< 3	< 0.003	< 0.003	0.064	0.001	< 0.003	< 0.003	< 0.003	0.003
259463	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259464	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.003
259465	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.003
259466	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259467	< 3	< 0.003	< 0.003	0.093	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259468	< 3	< 0.003	< 0.003	0.156	< 0.001	< 0.003	< 0.003	< 0.003	0.004
259469	< 3	< 0.003	< 0.003	0.385	0.001	< 0.003	< 0.003	< 0.003	0.004
259470	5	< 0.003	< 0.003	0.580	0.001	< 0.003	< 0.003	< 0.003	0.004
259471	< 3	< 0.003	< 0.003	0.086	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259472	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259473	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259474	< 3	< 0.003	< 0.003	0.139	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259475	< 3	< 0.003	< 0.003	0.116	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259476	< 3	< 0.003	< 0.003	0.107	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259477	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259478	< 3	< 0.003	< 0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259479	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259480	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259481	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	126		2.03	24.3			45.5		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	131		2.11	24.8			45.4		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	137		2.06	24.4			45.9		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.075	1.01			2.16		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.071	0.955			2.10		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.071	0.947			2.09		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.071	0.957			2.06		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.975			2.18		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.074	0.996			2.13		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.986			2.13		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.572		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.580		0.054	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.570		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.569		0.049	< 0.003		0.010
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.589		0.055	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.580		0.054	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.567		0.049	< 0.003		0.003
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.009		1.49	0.004	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.52	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.011		1.48	0.005	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
GBW 07238 (NCS DC 70006) Meas				0.010		1.45	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.008		1.47	0.003	< 0.003	0.006
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.46	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.45	< 0.003	< 0.003	0.005
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	218	0.058	0.012	0.141				13.5	18.2
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	207	0.056	0.011	0.132				13.2	17.6
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	209	0.057	0.011	0.133				13.3	18.0
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	212	0.056	0.011	0.133				13.6	17.7
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	211	0.055	0.011	0.133				13.8	17.7
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	213	0.058	0.011	0.140				13.8	18.1
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	219	0.055	0.011	0.136				13.2	18.3
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	48	0.051		3.05		0.029		2.07	16.4
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.054		3.10		0.019		2.09	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.053		3.01		0.028		2.07	16.4
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	47	0.049		2.99		0.028		2.10	16.2
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	47	0.051		2.97		0.020		2.08	16.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	47	0.052		3.10		0.020		2.08	16.4



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.053		3.09		0.028		2.03	17.2
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.007	6.05				0.017	0.060
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.48				0.013	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.22				0.017	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	18		0.006	6.38				0.013	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.10				0.013	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.39				0.015	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	18		0.007	6.30				0.015	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	45		0.013	14.7				0.031	0.135
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.013	14.7				0.031	0.131
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.013	14.7				0.033	0.136
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.012	14.8				0.035	0.133
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.013	14.4				0.034	0.135
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.6				0.032	0.133
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4	47		0.012	14.6				0.033	0.137

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Acid) Meas									
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.213				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.219				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.205				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.221				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.221				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.212				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.208				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.85				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.77				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.86				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.83				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
CZN-4 Meas	50	0.254	0.010	0.422				0.187	53.6

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	53	0.260	0.009	0.410				0.180	55.8
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.255	0.010	0.395				0.182	54.9
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.256	0.010	0.405				0.187	55.2
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	52	0.252	0.010	0.422				0.189	56.6
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.262	0.009	0.412				0.183	55.5
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.252	0.010	0.412				0.177	54.3
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.96				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.83				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.48				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.77				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.80				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.84				
Lithium					8				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Tetraborate FX-LT 100 lot#220610B Cert									
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.40				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	53		0.319	8.01			10.9	0.078	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.316	7.83			11.2	0.079	0.203
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.321	7.89			11.3	0.081	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	50		0.311	7.78			10.9	0.082	0.218
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.321	7.72			11.4	0.083	0.207
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.331	8.02			11.2	0.083	0.208
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	55		0.319	7.95			11.1	0.083	0.209
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	203	0.007	0.032	22.8				0.714	3.04
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	211	0.008	0.032	23.3				0.712	3.04
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	202	0.007	0.031	22.5				0.692	2.95
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	212	0.008	0.032	22.6				0.736	3.07
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	206	0.008	0.032	22.7				0.714	3.00
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	212	0.007	0.031	23.6				0.688	3.13
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	3.84				0.012	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.006	3.88				0.022	0.046
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.89				0.038	0.048
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.94				0.011	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.005	4.03				0.013	0.044

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Acid) Meas									
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
Oreas 77b (4 Acid Digest) Meas	< 3	< 0.003	0.163	0.336	0.002		11.9	0.008	0.022
Oreas 77b (4 Acid Digest) Cert	1.62	0.00012 0	0.155	0.343	0.00188		11.3	0.00610	0.0205
Oreas 77b (4 Acid Digest) Meas	< 3	< 0.003	0.162	0.340	0.002		11.7	0.009	0.022
Oreas 77b (4 Acid Digest) Cert	1.62	0.00012 0	0.155	0.343	0.00188		11.3	0.00610	0.0205
Oreas 77b (4 Acid Digest) Meas	< 3	< 0.003	0.155	0.336	0.002		11.4	0.007	0.021
Oreas 77b (4 Acid Digest) Cert	1.62	0.00012 0	0.155	0.343	0.00188		11.3	0.00610	0.0205
OREAS 353 Peroxide Fusion Meas			< 0.003						2.28
OREAS 353 Peroxide Fusion Cert			0.005						4.14
OREAS 352 4-Acid Meas	9	0.005		0.062				51.9	2.20
OREAS 352 4-Acid Cert	9	0.006		0.064				51.9	2.21
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.155	0.006	< 0.003	0.036
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.150	0.005	< 0.003	0.037
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.157	0.007	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.156	0.006	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.152	0.006	< 0.003	0.037
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.147	0.006	< 0.003	0.037
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.158	0.006	< 0.003	0.037
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
259013 Orig	< 3	< 0.003	0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259013 Dup	3	< 0.003	0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259026 Orig	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	0.004	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259026 Dup	< 3	< 0.003	0.003	0.036	0.001	< 0.003	0.004	< 0.003	0.002
259034 Orig	< 3	< 0.003	< 0.003	0.028	0.002	< 0.003	0.003	< 0.003	0.003
259034 Dup	< 3	< 0.003	< 0.003	0.028	0.002	< 0.003	0.003	< 0.003	0.003
259050 Split PREP DUP	< 3	< 0.003	< 0.003	0.117	0.001	< 0.003	< 0.003	< 0.003	0.003
259059 Orig	< 3	< 0.003	0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259059 Dup	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259067 Orig	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259067 Dup	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259092 Orig	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259092 Dup	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259100 Split PREP DUP	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259100 Orig	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259100 Dup	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259125 Orig	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259125 Dup	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259138 Orig	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259138 Dup	< 3	< 0.003	< 0.003	0.105	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259146 Orig	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259146 Dup	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259150 Split PREP DUP	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259171 Orig	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259171 Dup	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259179 Orig	< 3	< 0.003	< 0.003	0.133	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259179 Dup	< 3	< 0.003	< 0.003	0.122	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259200 Split PREP DUP	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259204 Orig	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259204 Dup	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259212 Orig	< 3	< 0.003	< 0.003	0.757	0.004	0.015	0.003	< 0.003	0.010
259212 Dup	< 3	< 0.003	< 0.003	0.749	0.004	0.015	0.003	< 0.003	0.010
259237 Orig	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259237 Dup	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259250 Split PREP DUP	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259250 Orig	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259250 Dup	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259258 Orig	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259258 Dup	< 3	< 0.003	< 0.003	0.067	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259283 Orig	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259283 Dup	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259291 Orig	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259291 Dup	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259300 Split PREP DUP	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259304 Orig	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259304 Dup	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259316 Orig	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259316 Dup	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001





Report No.: A20-14397-Au
Report Date: 08-Jan-21
Date Submitted: 09-Nov-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

481 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Test Name, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-14397-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Elitsa Hrischeva

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259001	0.268								
259002	0.106								
259003	0.390								
259004	0.276								
259005	0.207								
259006	0.250								
259007	0.094								
259008	0.205								
259009	0.105								
259010	0.181								
259011	0.240								
259012	0.484								
259013	0.698								
259014	0.802								
259015	0.241								
259016	< 0.005								
259017	< 0.005								
259018	0.834								
259019	0.400								
259020	0.200								
259021	0.538								
259022	0.361								
259023	0.855								
259024	< 0.005								
259025	0.563								
259026	0.887								
259027	0.400								
259028	0.145								
259029	0.058								
259030	0.070								
259031	0.295								
259032	0.093								
259033	0.171								
259034	0.456								
259035	0.041								
259036	0.676								
259037	0.016								
259038	0.106								
259039	1.462								
259040	0.530								
259041	0.133								
259042	0.037								
259043	0.035								
259044	0.210								
259045	2.219								
259046	0.137								
259047	0.635								
259048	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259049	0.287								
259050	0.526								
259051	0.494								
259052	0.528								
259053	0.283								
259054	0.318								
259055	0.683								
259056	0.554								
259057	0.095								
259058	0.072								
259059	0.184								
259060	0.227								
259061	1.071								
259062	0.141								
259063	0.159								
259064	0.122								
259065	0.116								
259066	0.222								
259067	0.172								
259068	0.136								
259069	0.341								
259070	0.385								
259071	0.411								
259072	< 0.005								
259073	0.154								
259074	0.668								
259075	0.046								
259076	0.068								
259077	0.107								
259078	0.025								
259079	0.094								
259080	0.121								
259081	0.008								
259082	0.007								
259083	0.051								
259084	1.517								
259085	0.040								
259086	0.649								
259087	0.194								
259088	0.475								
259089	0.070								
259090	0.104								
259091	0.129								
259092	0.240								
259093	0.663								
259094	0.069								
259095	0.025								
259096	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259097	0.115								
259098	0.163								
259099	0.120								
259100	0.044								
259101	0.658								
259102	0.516								
259103	0.017								
259104	0.006								
259105	0.163								
259106	0.016								
259107	0.023								
259108	0.025								
259109	0.068								
259110	0.081								
259111	0.008								
259112	0.485								
259113	0.382								
259114	0.450								
259115	0.468								
259116	0.125								
259117	0.408								
259118	0.145								
259119	0.260								
259120	0.082								
259121	0.656								
259122	0.332								
259123	0.808								
259124	< 0.005								
259125	0.202								
259126	0.389								
259127	0.450								
259128	0.933								
259129	1.573								
259130	0.403								
259131	0.720								
259132	0.588								
259133	0.431								
259134	0.639								
259135	0.970								
259136	0.659								
259137	0.958								
259138	0.306								
259139	0.902								
259140	0.446								
259141	1.383								
259142	0.494								
259143	0.805								
259144	0.600								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259145	0.194								
259146	0.195								
259147	0.054								
259148	< 0.005								
259149	0.068								
259150	0.074								
259151	0.039								
259152	0.069								
259153	0.052								
259154	0.177								
259155	0.217								
259156	1.679								
259157	0.272								
259158	0.548								
259159	0.390								
259160	0.229								
259161	0.350								
259162	0.458								
259163	1.884								
259164	0.080								
259165	0.183								
259166	0.154								
259167	0.186								
259168	0.204								
259169	0.642								
259170	0.403								
259171	0.548								
259172	< 0.005								
259173	0.535								
259174	0.379								
259175	0.509								
259176	0.302								
259177	0.425								
259178	0.826								
259179	1.447								
259180	0.243								
259181	0.202								
259182	0.475								
259183	1.966								
259184	1.476								
259185	0.123								
259186	0.389								
259187	0.292								
259188	0.158								
259189	0.271								
259190	0.265								
259191	0.122								
259192	0.200								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259193	0.191								
259194	0.093								
259195	3.351	3.27							
259196	< 0.005								
259197	0.361								
259198	0.373								
259199	0.877								
259200	0.973								
259201	0.316								
259202	0.359								
259203	0.165								
259204	0.302								
259205	0.339								
259206	1.075								
259207	1.069								
259208	0.426								
259209	0.874								
259210	0.805								
259211	0.170								
259212	0.489								
259213	0.444								
259214	0.466								
259215	0.167								
259216	0.437								
259217	2.581								
259218	1.815								
259219	1.630								
259220	2.016								
259221	0.779								
259222	0.789								
259223	1.614								
259224	< 0.005								
259225	0.057								
259226	0.772								
259227	0.124								
259228	0.693								
259229	0.399								
259230	0.425								
259231	0.383								
259232	0.593								
259233	0.869								
259234	0.903								
259235	0.106								
259236	0.659								
259237	0.379								
259238	0.076								
259239	0.376								
259240	0.099								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259241	0.934								
259242	0.146								
259243	0.898								
259244	0.751								
259245	0.055								
259246	0.019								
259247	0.322								
259248	< 0.005								
259249	0.073								
259250	0.252								
259251	0.407								
259252	0.056								
259253	0.169								
259254	0.055								
259255	0.046								
259256	0.729								
259257	0.213								
259258	1.718								
259259	0.125								
259260	0.224								
259261	2.514								
259262	1.574								
259263	0.279								
259264	0.277								
259265	0.260								
259266	0.097								
259267	0.822								
259268	0.096								
259269	0.129								
259270	0.157								
259271	0.246								
259272	< 0.005								
259273	0.099								
259274	0.153								
259275	0.370								
259276	0.295								
259277	0.348								
259278	0.315								
259279	0.419								
259280	0.138								
259281	0.112								
259282	0.093								
259283	0.052								
259284	1.465								
259285	0.363								
259286	0.343								
259287	0.263								
259288	0.480								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259289	0.495								
259290	0.167								
259291	0.097								
259292	0.288								
259293	0.989								
259294	1.081								
259295	3.037	3.88							
259296	< 0.005								
259297	4.652	4.84							
259298	0.440								
259299	0.697								
259300	0.075								
259301	0.373								
259302	0.265								
259303	0.031								
259304	0.367								
259305	0.402								
259306	0.177								
259307	0.507								
259308	0.417								
259309	0.411								
259310	0.472								
259311	0.300								
259312	0.485								
259313	0.253								
259314	3.562	3.55							
259315	1.528								
259316	0.389								
259317	1.537								
259318	0.158								
259319	1.308								
259320	0.844								
259321	0.296								
259322	0.046								
259323	0.310								
259324	< 0.005								
259325	0.773								
259326	0.761								
259327	0.547								
259328	0.492								
259329	0.496								
259330	0.332								
259331	0.721								
259332	0.309								
259333	0.217								
259334	0.660								
259335	0.563								
259336	0.656								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259337	0.677								
259338	1.995								
259339	0.985								
259340	1.162								
259341	1.188								
259342	1.522								
259343	0.916								
259344	1.008								
259345	0.302								
259346	0.267								
259347	0.525								
259348	< 0.005								
259349	0.847								
259350	0.394								
259351	0.322								
259352	1.109								
259353	0.394								
259354	0.524								
259355	0.469								
259356	0.013								
259357	0.398								
259358	0.423								
259359	0.293								
259360	0.230								
259361	0.319								
259362	0.968								
259363	0.328								
259364	1.881								
259365	0.169								
259366	0.142								
259367	0.113								
259368	0.288								
259369	0.292								
259370	0.169								
259371	1.599								
259372	< 0.005								
259373	0.439								
259374	0.644								
259375	0.645								
259376	2.090								
259377	0.842								
259378	0.306								
259379	2.653								
259380	1.135								
259381	2.738								
259382	1.004								
259383	2.221								
259384	1.471								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259385	0.424								
259386	0.872								
259387	> 5.000	4.79	12.2	3.64	3.79	4.09	60.60	1320.0	1380.6
259388	0.636								
259389	0.086								
259390	0.393								
259391	2.761								
259392	> 5.000	5.66	14.1	6.23	5.82	6.42	68.91	1355.1	1424.0
259393	0.646								
259394	1.616								
259395	1.656								
259396	0.005								
259397	> 5.000	4.89	14.2	3.09	2.88	3.63	68.00	1123.0	1191.0
259398	0.473								
259399	0.881								
259400	< 0.005								
259401	1.042								
259402	0.952								
259403	0.175								
259404	0.142								
259405	1.031								
259406	0.511								
259407	0.907								
259408	1.379								
259409	0.565								
259410	> 5.000	5.13	24.1	1.13	1.30	2.40	67.21	1224.8	1292.0
259411	1.674								
259412	0.493								
259413	0.212								
259414	0.198								
259415	2.913								
259416	0.238								
259417	0.382								
259418	0.174								
259419	0.169								
259420	0.330								
259421	2.330								
259422	0.198								
259423	1.805								
259424	< 0.005								
259425	0.465								
259426	0.440								
259427	0.415								
259428	0.362								
259429	0.440								
259430	0.379								
259431	0.185								
259432	0.535								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259433	0.758								
259434	0.509								
259435	0.270								
259436	0.683								
259437	0.164								
259438	0.120								
259439	0.188								
259440	0.338								
259441	0.199								
259442	0.714								
259443	0.127								
259444	0.106								
259445	0.127								
259446	0.049								
259447	0.082								
259448	< 0.005								
259449	0.407								
259450	0.328								
259451	0.081								
259452	0.036								
259453	1.289								
259454	0.179								
259455	> 5.000	7.31	41.0	3.84	4.06	4.90	34.80	1315.2	1350.0
259456	< 0.005								
259457	0.293								
259458	< 0.005								
259459	0.336								
259460	0.230								
259461	0.256								
259462	0.154								
259463	0.034								
259464	0.012								
259465	0.074								
259466	0.149								
259467	0.210								
259468	0.100								
259469	0.830								
259470	1.262								
259471	0.117								
259472	< 0.005								
259473	0.034								
259474	0.283								
259475	0.339								
259476	2.027								
259477	0.134								
259478	1.084								
259479	0.513								
259480	0.055								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259481	0.096								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 257 Meas		14.1							
OREAS 257 Cert		14.18							
OREAS 257 Meas		14.2							
OREAS 257 Cert		14.18							
Oreas 237 (fire Assay) Meas	2.287								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.213								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.212								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.246								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.228								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.232								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.263								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.294								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.312								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.257								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.212								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.283								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.228								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.304								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.253								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.239								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.285								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.230								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.279								
Oreas 237 (fire Assay) Cert	2.21								
OREAS 228b (Fire Assay) Meas		8.54				8.93			
OREAS 228b (Fire Assay) Cert		8.57				8.57			
OREAS 228b (Fire Assay) Meas		8.59							
OREAS 228b (Fire Assay) Cert		8.57							
Oreas E1336 (Fire Assay) Meas	0.519								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.525								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.507								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.514								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.506								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.509								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Assay) Meas									
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.526								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.528								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.526								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.523								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.511								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.508								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.517								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.527								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.519								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.514								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.528								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.510								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.520								
Oreas E1336 (Fire Assay) Cert	0.510								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
259010 Orig	0.179								
259010 Dup	0.182								
259030 Orig	0.073								
259030 Dup	0.067								
259050 Split Orig PREP DUP	0.526								
259050 Split PREP DUP	0.570								
259055 Orig	0.668								
259055 Dup	0.697								
259065 Orig	0.113								
259065 Dup	0.120								
259080 Orig	0.119								
259080 Dup	0.123								
259090 Orig	0.115								
259090 Dup	0.093								
259100 Split Orig PREP DUP	0.044								
259100 Split PREP DUP	0.046								
259100 Orig	0.038								
259100 Dup	0.050								
259150 Split Orig PREP DUP	0.074								
259150 Split PREP DUP	0.083								
259150 Orig	0.072								
259150 Dup	0.077								
259161 Orig	0.380								
259161 Dup	0.321								
259170 Orig	0.463								
259170 Dup	0.342								
259195 Orig	3.351								
259200 Split Orig PREP DUP	0.973								
259200 Split PREP DUP	1.096								
259205 Orig	0.317								
259205 Dup	0.360								
259230 Orig	0.438								
259230 Dup	0.412								
259240 Orig	0.086								
259240 Dup	0.112								
259250 Split Orig PREP DUP	0.252								
259250 Split PREP DUP	0.206								
259255 Orig	0.050								
259255 Dup	0.042								
259265 Orig	0.234								
259265 Dup	0.286								









Report No.: A20-14399-8-4Acid
Report Date: 05-Feb-21
Date Submitted: 09-Nov-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

126 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2021-01-28 13:45:22

REPORT A20-14399-8-4Acid

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Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257505	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257506	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257507	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257508	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257509	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257510	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257511	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257512	< 3	< 0.003	< 0.003	0.792	0.003	0.015	0.004	< 0.003	0.010
257513	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257514	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257515	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257516	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257517	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257518	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257519	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257520	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257521	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257522	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257523	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257524	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257525	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257526	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257527	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257528	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257529	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257530	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257531	< 3	< 0.003	< 0.003	0.025	0.003	< 0.003	< 0.003	< 0.003	0.003
257532	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
257533	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257534	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257535	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257536	< 3	< 0.003	< 0.003	0.520	0.002	0.026	0.003	< 0.003	0.007
257537	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.001
257538	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257539	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257540	< 3	< 0.003	< 0.003	0.055	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257541	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257542	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257543	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257544	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257545	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257546	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	0.001
257547	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257548	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257549	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257550	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257551	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257552	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257553	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257554	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257555	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257556	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257557	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257558	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257559	< 3	< 0.003	< 0.003	0.038	0.004	< 0.003	0.004	< 0.003	0.009
257560	< 3	< 0.003	< 0.003	0.617	0.005	< 0.003	< 0.003	0.003	0.015
257561	< 3	< 0.003	< 0.003	0.116	0.002	< 0.003	< 0.003	< 0.003	0.006
257562	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257563	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.021
257564	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.006
257565	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257566	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257567	< 3	< 0.003	< 0.003	0.132	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257568	< 3	< 0.003	< 0.003	0.189	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257569	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257570	< 3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257571	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.001
257572	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257573	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257574	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257575	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257576	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257577	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257578	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257579	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257580	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257581	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
257582	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257583	< 3	< 0.003	< 0.003	0.482	0.001	< 0.003	< 0.003	< 0.003	0.007
257584	4	< 0.003	< 0.003	1.09	0.002	0.046	0.004	0.006	0.010
257585	5	< 0.003	< 0.003	0.204	0.002	< 0.003	< 0.003	< 0.003	0.002
257586	< 3	< 0.003	< 0.003	0.038	0.001	< 0.003	< 0.003	< 0.003	0.001
257587	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.002
257588	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.005
257589	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	0.001
257590	< 3	< 0.003	< 0.003	0.050	0.001	< 0.003	< 0.003	< 0.003	0.002
257591	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	0.001
257592	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257593	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257594	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257595	< 3	< 0.003	< 0.003	0.146	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257596	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257597	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257598	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257599	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257600	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257601	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257602	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257603	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257604	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.005
257605	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.011
257606	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257607	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.003
257608	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.006
257609	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.092
257610	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.107
257611	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257612	< 3	< 0.003	0.004	0.803	0.002	0.013	0.047	< 0.003	0.011
257613	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257614	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.004
257615	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.006
257616	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
257617	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
257618	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.003
257619	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.004
257620	< 3	< 0.003	< 0.003	0.054	0.001	< 0.003	< 0.003	0.010	0.075
257621	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.009
257622	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.021
257623	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257624	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257625	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.036
257626	< 3	< 0.003	< 0.003	0.107	0.002	< 0.003	< 0.003	< 0.003	0.034
257627	< 3	< 0.003	< 0.003	0.050	0.001	< 0.003	< 0.003	0.004	0.030
257628	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
257629	< 3	< 0.003	< 0.003	0.034	0.002	< 0.003	< 0.003	< 0.003	0.002
257630	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	131		2.10	24.1			45.8		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.071	0.955			2.10		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.949			2.02		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.950			2.01		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.074	1.00			2.17		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.580		0.054	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.593		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.577		0.052	< 0.003		0.003
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.009		1.52	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.50	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.007		1.43	< 0.003	< 0.003	0.006
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	207	0.056	0.011	0.132				13.2	17.6
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	215	0.057	0.011	0.133				13.0	18.5
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	209	0.055	0.011	0.129				13.1	17.4
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	48	0.054		3.10		0.019		2.09	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	47	0.051		2.91		0.024		2.04	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.051		3.09		0.021		2.07	16.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.007	6.48				0.013	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 97 (4 Acid) Meas	18		0.006	6.08				0.017	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	20		0.007	6.14				0.015	0.060
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	44		0.013	14.7				0.031	0.131
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.012	14.7				0.032	0.136
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.6				0.031	0.131
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.219				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.207				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.216				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.77				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.88				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.85				
NCS DC86314 Cert					1.81				
CZN-4 Meas	53	0.260	0.009	0.410				0.180	55.8
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	52	0.264	0.011	0.422				0.187	54.5
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	52	0.253	0.009	0.412				0.182	56.9
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.83				
Lithium Tetraborate FX-LT					8				



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
100 lot#220610B Cert									
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.84				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.84				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	53		0.316	7.83			11.2	0.079	0.203
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	55		0.315	7.58			10.8	0.080	0.205
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.323	7.89			11.2	0.080	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	211	0.008	0.032	23.3				0.712	3.04
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	209	0.008	0.031	23.4				0.705	3.14
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	208	0.008	0.032	23.5				0.725	3.09
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	3.98				0.011	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.006	3.95				0.011	0.043
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.150	0.005	< 0.003	0.037
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.003		0.156	0.006	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.002		0.145	0.006	< 0.003	0.036
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
257522 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257522 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257530 Orig	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257530 Dup	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257554 Split Orig	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257554 Split	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257555 Orig	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257555 Dup	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257568 Orig	< 3	< 0.003	< 0.003	0.193	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257568 Dup	< 3	< 0.003	< 0.003	0.185	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257576 Orig	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257576 Dup	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257584 Orig	4	< 0.003	< 0.003	1.09	0.002	0.047	0.004	0.006	0.010
257584 Dup	4	< 0.003	< 0.003	1.09	0.002	0.045	0.004	0.005	0.010
257601 Orig	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257601 Dup	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257604 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.005
257604 Split PREP DUP	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.005
257609 Orig	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.092
257609 Dup	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.092
257629 Orig	< 3	< 0.003	< 0.003	0.034	0.002	< 0.003	< 0.003	< 0.003	0.002
257629 Dup	< 3	< 0.003	< 0.003	0.035	0.002	< 0.003	< 0.003	< 0.003	0.002
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

Report No.: A20-14399-Au  
 Report Date: 30-Dec-20  
 Date Submitted: 09-Nov-20  
 Your Reference: GOS-234

ATTN: Alan Smith

**CERTIFICATE OF ANALYSIS**

126 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2020-12-16 09:47:29
1A3-50-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-12-18 14:30:49
1A4 (100mesh)-Timmins	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2020-12-30 14:53:52

REPORT **A20-14399-Au**

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257505	0.013								
257506	0.105								
257507	0.102								
257508	0.128								
257509	0.085								
257510	0.028								
257511	0.097								
257512	0.503								
257513	0.029								
257514	0.044								
257515	0.036								
257516	0.007								
257517	0.043								
257518	0.024								
257519	0.056								
257520	0.050								
257521	0.010								
257522	< 0.005								
257523	0.007								
257524	< 0.005								
257525	0.049								
257526	0.143								
257527	0.326								
257528	0.030								
257529	1.323								
257530	0.119								
257531	0.099								
257532	0.008								
257533	0.037								
257534	0.234								
257535	0.021								
257536	0.654								
257537	0.029								
257538	0.100								
257539	0.262								
257540	0.253								
257541	0.436								
257542	0.092								
257543	0.006								
257544	0.015								
257545	0.301								
257546	2.146								
257547	0.095								
257548	< 0.005								
257549	0.047								
257550	0.073								
257551	< 0.005								
257552	0.019								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257553	0.043								
257554	0.059								
257555	0.032								
257556	0.344								
257557	0.069								
257558	0.019								
257559	< 0.005								
257560	0.195								
257561	0.368								
257562	0.369								
257563	0.108								
257564	0.010								
257565	0.069								
257566	0.367								
257567	0.615								
257568	0.650								
257569	0.378								
257570	0.261								
257571	0.303								
257572	< 0.005								
257573	0.139								
257574	0.311								
257575	3.581	3.64	11.4	1.14	1.26	1.82	59.88	917.00	976.88
257576	0.252								
257577	0.188								
257578	0.155								
257579	0.387								
257580	0.078								
257581	0.048								
257582	0.380								
257583	> 5.000	6.00	427	15.4	14.9	29.1	35.23	1007.0	1042.2
257584	1.509								
257585	> 5.000	15.2	61.8	12.2	11.9	12.8	14.47	947.00	961.47
257586	0.175								
257587	0.161								
257588	0.290								
257589	0.120								
257590	0.321								
257591	0.259								
257592	0.735								
257593	0.075								
257594	0.211								
257595	0.373								
257596	< 0.005								
257597	0.168								
257598	0.072								
257599	0.040								
257600	0.010								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257601	0.404								
257602	< 0.005								
257603	0.097								
257604	0.036								
257605	0.066								
257606	0.298								
257607	0.079								
257608	0.064								
257609	0.091								
257610	0.670								
257611	0.077								
257612	0.501								
257613	0.019								
257614	0.059								
257615	0.105								
257616	0.034								
257617	0.010								
257618	0.028								
257619	0.113								
257620	1.220								
257621	0.056								
257622	0.067								
257623	0.149								
257624	< 0.005								
257625	0.728								
257626	0.507								
257627	0.113								
257628	0.044								
257629	0.138								
257630	0.114								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 257 Meas		14.2				14.5			
OREAS 257 Cert		14.18				14.18			
OREAS 257 Meas		13.8							
OREAS 257 Cert		14.18							
Oreas 237 (fire Assay) Meas	2.186								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.267								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.299								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.205								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.201								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.236								
Oreas 237 (fire Assay) Cert	2.21								
OREAS 228b (Fire Assay) Meas		8.47				8.48			
OREAS 228b (Fire Assay) Cert		8.57				8.57			
OREAS 228b (Fire Assay) Meas		8.30							
OREAS 228b (Fire Assay) Cert		8.57							
Oreas E1336 (Fire Assay) Meas	0.512								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.504								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.505								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.525								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.509								





Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Method Blank	< 0.005								
Method Blank	< 0.005								



Report No.: A20-14921-8-4Acid
Report Date: 23-Feb-21
Date Submitted: 19-Nov-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

336 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2021-01-28 22:00:46

REPORT A20-14921-8-4Acid

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Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257631	< 3	< 0.003	< 0.003	0.048	0.002	< 0.003	< 0.003	< 0.003	0.002
257632	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.004
257633	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.007
257634	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.003
257635	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	0.019	0.004
257636	< 3	< 0.003	< 0.003	0.532	0.004	0.034	0.004	< 0.003	0.008
257637	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	0.004
257638	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.003
257639	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.003
257640	< 3	< 0.003	< 0.003	0.180	0.002	< 0.003	< 0.003	< 0.003	0.038
257641	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.009
257642	< 3	< 0.003	< 0.003	0.279	0.002	< 0.003	0.003	< 0.003	0.017
257643	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257644	< 3	< 0.003	< 0.003	0.001	0.001	< 0.003	< 0.003	< 0.003	0.003
257645	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257646	< 3	< 0.003	< 0.003	0.030	0.003	< 0.003	0.006	< 0.003	0.007
257647	6	< 0.003	< 0.003	0.947	0.003	< 0.003	0.004	< 0.003	0.012
257648	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257649	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.004
257650	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.003
257651	< 3	< 0.003	< 0.003	0.039	0.002	< 0.003	0.003	< 0.003	0.001
257652	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257653	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
257654	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.002
257655	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
257656	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.001
257657	< 3	< 0.003	< 0.003	0.091	0.004	< 0.003	0.010	< 0.003	0.004
257658	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
257659	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.004
257660	< 3	< 0.003	< 0.003	0.634	0.006	0.011	< 0.003	0.003	0.016
257661	3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	< 0.003	0.003
257662	< 3	< 0.003	0.005	0.003	0.005	< 0.003	0.031	< 0.003	0.008
257663	< 3	< 0.003	0.006	< 0.001	0.005	< 0.003	0.038	< 0.003	0.010
257664	< 3	< 0.003	0.010	< 0.001	0.006	< 0.003	0.066	< 0.003	0.018
257665	< 3	< 0.003	0.010	0.007	0.001	< 0.003	0.098	< 0.003	0.013
257666	< 3	< 0.003	0.011	0.004	< 0.001	< 0.003	0.110	< 0.003	0.010
257667	< 3	< 0.003	0.011	0.004	< 0.001	< 0.003	0.118	< 0.003	0.009
257668	< 3	< 0.003	0.011	< 0.001	< 0.001	< 0.003	0.112	< 0.003	0.009
257669	< 3	< 0.003	0.011	0.001	< 0.001	< 0.003	0.117	< 0.003	0.008
257670	< 3	< 0.003	0.011	< 0.001	< 0.001	< 0.003	0.117	< 0.003	0.009
257671	< 3	< 0.003	0.012	< 0.001	< 0.001	< 0.003	0.120	< 0.003	0.009
257672	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257673	< 3	< 0.003	0.011	0.002	< 0.001	< 0.003	0.110	< 0.003	0.010
257674	< 3	< 0.003	0.006	0.003	0.005	< 0.003	0.041	< 0.003	0.011
257675	< 3	< 0.003	0.005	0.001	0.004	< 0.003	0.025	< 0.003	0.008
257676	< 3	< 0.003	0.005	< 0.001	0.002	< 0.003	0.025	< 0.003	0.006
257677	< 3	< 0.003	0.004	0.003	0.003	< 0.003	0.024	< 0.003	0.005
257678	< 3	< 0.003	0.004	0.004	0.003	< 0.003	0.020	< 0.003	0.005
257679	< 3	< 0.003	0.004	0.005	0.003	< 0.003	0.019	< 0.003	0.005

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257680	< 3	< 0.003	0.004	0.002	0.003	< 0.003	0.018	< 0.003	0.005
257681	< 3	< 0.003	0.005	0.021	0.003	< 0.003	0.015	< 0.003	0.006
257682	< 3	< 0.003	0.004	0.002	0.003	< 0.003	0.011	< 0.003	0.007
257683	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.011	< 0.003	0.007
257684	4	< 0.003	< 0.003	1.12	0.003	0.051	0.005	0.005	0.010
257685	3	< 0.003	0.004	0.068	0.006	< 0.003	0.022	< 0.003	0.009
257686	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.003
257687	< 3	< 0.003	0.003	< 0.001	0.003	< 0.003	0.013	< 0.003	0.007
257688	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.015	< 0.003	0.005
257689	< 3	< 0.003	0.004	0.001	0.002	< 0.003	0.012	< 0.003	0.004
257690	< 3	< 0.003	0.004	0.001	0.002	< 0.003	0.011	< 0.003	0.004
257691	< 3	< 0.003	0.003	0.012	0.002	< 0.003	0.007	< 0.003	0.004
257692	< 3	< 0.003	0.004	0.005	0.001	< 0.003	0.007	< 0.003	0.005
257693	< 3	< 0.003	0.003	< 0.001	0.002	< 0.003	0.007	< 0.003	0.005
257694	< 3	< 0.003	0.004	0.002	0.002	< 0.003	0.006	< 0.003	0.005
257695	< 3	< 0.003	0.004	< 0.001	0.004	< 0.003	0.006	< 0.003	0.006
257696	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257697	< 3	< 0.003	0.004	0.012	0.003	< 0.003	0.007	< 0.003	0.006
257698	< 3	< 0.003	0.004	0.010	< 0.001	< 0.003	0.005	< 0.003	0.006
257699	< 3	< 0.003	0.004	0.009	< 0.001	< 0.003	0.005	< 0.003	0.005
257700	< 3	< 0.003	0.004	0.007	0.001	< 0.003	0.005	< 0.003	0.005
257701	< 3	< 0.003	0.004	0.036	0.001	< 0.003	0.005	< 0.003	0.005
257702	< 3	< 0.003	0.003	0.017	0.001	< 0.003	0.004	< 0.003	0.004
257703	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.004
257704	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	0.003	< 0.003	0.004
257705	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	0.004	< 0.003	0.004
257706	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	0.004	< 0.003	0.004
257707	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	0.004	< 0.003	0.004
257708	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	0.005	< 0.003	0.005
257709	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	0.005	< 0.003	0.005
257710	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	0.005	< 0.003	0.005
257711	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	0.004	< 0.003	0.004
257712	< 3	< 0.003	< 0.003	0.782	0.004	0.022	0.004	< 0.003	0.011
257713	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	0.005	< 0.003	0.004
257714	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	0.004	< 0.003	0.004
257715	< 3	< 0.003	0.003	0.009	0.003	< 0.003	0.006	< 0.003	0.005
257716	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257717	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257718	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257719	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257720	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
257721	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	0.005	< 0.003	0.005
257722	< 3	< 0.003	0.003	0.004	0.001	< 0.003	0.005	< 0.003	0.004
257723	< 3	< 0.003	0.003	0.005	0.003	< 0.003	0.005	< 0.003	0.005
257724	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257725	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.004
257726	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257727	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257728	< 3	< 0.003	< 0.003	0.007	0.003	< 0.003	< 0.003	< 0.003	0.002
257729	< 3	< 0.003	< 0.003	0.052	0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257730	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257731	< 3	< 0.003	< 0.003	0.104	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257732	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257733	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257734	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257735	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.005
257736	< 3	< 0.003	< 0.003	0.531	0.004	0.034	0.004	< 0.003	0.007
257737	< 3	< 0.003	0.003	0.023	0.002	< 0.003	0.004	< 0.003	0.005
257738	< 3	< 0.003	0.004	0.004	0.002	< 0.003	0.005	< 0.003	0.006
257739	< 3	< 0.003	0.004	0.003	0.001	< 0.003	0.006	< 0.003	0.006
257740	< 3	< 0.003	0.004	0.003	0.001	< 0.003	0.005	< 0.003	0.006
257741	< 3	< 0.003	0.006	0.006	< 0.001	< 0.003	0.004	< 0.003	0.011
257742	< 3	< 0.003	0.005	0.005	0.001	< 0.003	< 0.003	< 0.003	0.008
257743	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.012
257744	< 3	< 0.003	< 0.003	0.051	0.001	< 0.003	< 0.003	< 0.003	0.008
257745	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257746	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	0.003	< 0.003	0.006
257747	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.006
257748	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257749	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	0.003	< 0.003	0.016
257750	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	0.003	< 0.003	0.005
257751	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	0.003	< 0.003	0.005
257752	< 3	< 0.003	< 0.003	0.043	0.002	< 0.003	< 0.003	< 0.003	0.005
257753	< 3	< 0.003	0.004	0.009	0.004	< 0.003	< 0.003	< 0.003	0.007
257754	< 3	< 0.003	0.004	0.011	0.006	< 0.003	< 0.003	< 0.003	0.006
257755	< 3	< 0.003	< 0.003	0.580	0.003	< 0.003	0.003	< 0.003	0.008
257756	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257757	< 3	< 0.003	< 0.003	0.184	< 0.001	< 0.003	< 0.003	< 0.003	0.004
257758	< 3	< 0.003	< 0.003	0.283	< 0.001	< 0.003	< 0.003	< 0.003	0.004
257759	< 3	< 0.003	< 0.003	0.239	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257760	< 3	< 0.003	< 0.003	0.620	0.006	0.011	< 0.003	0.004	0.016
257761	< 3	< 0.003	< 0.003	0.131	< 0.001	< 0.003	< 0.003	< 0.003	0.004
257762	< 3	< 0.003	< 0.003	0.186	0.001	< 0.003	< 0.003	< 0.003	0.004
257763	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	0.004	< 0.003	0.005
257764	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	0.003	< 0.003	0.006
257765	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	0.004	< 0.003	0.006
257766	< 3	< 0.003	< 0.003	0.128	0.002	< 0.003	0.003	< 0.003	0.005
257767	10	< 0.003	< 0.003	0.505	0.003	< 0.003	0.003	< 0.003	0.003
257768	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257769	< 3	< 0.003	< 0.003	0.050	0.003	< 0.003	0.004	< 0.003	0.004
257770	< 3	< 0.003	< 0.003	0.036	0.003	< 0.003	0.004	< 0.003	0.004
257771	< 3	< 0.003	< 0.003	0.020	0.003	< 0.003	< 0.003	< 0.003	0.003
257772	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257773	< 3	< 0.003	< 0.003	0.015	0.003	< 0.003	< 0.003	< 0.003	0.004
257774	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.003
257775	< 3	< 0.003	< 0.003	0.021	0.001	0.004	< 0.003	< 0.003	0.003
257776	< 3	< 0.003	< 0.003	0.086	0.002	< 0.003	< 0.003	< 0.003	0.004
257777	< 3	< 0.003	< 0.003	0.375	0.003	< 0.003	< 0.003	< 0.003	0.003
257778	< 3	< 0.003	< 0.003	0.234	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257779	< 3	< 0.003	< 0.003	0.179	0.004	< 0.003	< 0.003	< 0.003	0.004
257780	< 3	< 0.003	< 0.003	0.057	0.006	0.006	< 0.003	< 0.003	0.005
257781	< 3	< 0.003	< 0.003	0.029	0.005	0.005	< 0.003	< 0.003	0.004
257782	< 3	< 0.003	< 0.003	0.026	0.005	< 0.003	< 0.003	< 0.003	0.004
257783	< 3	< 0.003	< 0.003	0.019	0.003	< 0.003	< 0.003	< 0.003	0.002
257784	4	< 0.003	< 0.003	1.07	0.003	0.050	0.005	0.006	0.010
257785	< 3	< 0.003	< 0.003	0.023	0.002	< 0.003	< 0.003	< 0.003	0.002
257786	< 3	< 0.003	< 0.003	0.166	0.004	< 0.003	< 0.003	< 0.003	0.003
257787	< 3	< 0.003	< 0.003	0.053	0.002	< 0.003	< 0.003	< 0.003	0.003
257788	< 3	< 0.003	< 0.003	0.024	0.007	< 0.003	0.004	< 0.003	0.010
257789	< 3	< 0.003	< 0.003	0.009	0.009	< 0.003	0.004	< 0.003	0.008
257790	< 3	< 0.003	< 0.003	0.009	0.009	< 0.003	0.004	< 0.003	0.009
257791	< 3	< 0.003	< 0.003	0.012	0.009	< 0.003	0.004	< 0.003	0.006
257792	< 3	< 0.003	< 0.003	0.065	0.007	< 0.003	0.003	< 0.003	0.006
257793	< 3	< 0.003	< 0.003	0.744	0.003	< 0.003	< 0.003	0.005	0.003
257794	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257795	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257796	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257797	< 3	< 0.003	< 0.003	0.114	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257798	< 3	< 0.003	< 0.003	0.199	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257799	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257800	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257801	< 3	< 0.003	< 0.003	0.125	0.002	< 0.003	< 0.003	< 0.003	0.001
257802	< 3	< 0.003	< 0.003	0.381	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257803	< 3	< 0.003	< 0.003	0.111	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257804	< 3	< 0.003	< 0.003	0.106	0.001	< 0.003	< 0.003	< 0.003	0.004
257805	< 3	< 0.003	< 0.003	0.118	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257806	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257807	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257808	< 3	< 0.003	< 0.003	0.099	0.001	< 0.003	< 0.003	< 0.003	0.001
257809	< 3	< 0.003	< 0.003	0.170	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257810	< 3	< 0.003	< 0.003	0.126	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257811	< 3	< 0.003	< 0.003	0.138	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257812	< 3	< 0.003	< 0.003	0.768	0.004	0.023	0.004	< 0.003	0.011
257813	< 3	< 0.003	< 0.003	0.110	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257814	< 3	< 0.003	< 0.003	0.129	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257815	< 3	< 0.003	< 0.003	0.153	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257816	< 3	< 0.003	< 0.003	0.771	0.001	< 0.003	< 0.003	< 0.003	0.001
257817	< 3	< 0.003	< 0.003	0.105	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257818	< 3	< 0.003	< 0.003	0.348	0.001	< 0.003	< 0.003	< 0.003	0.001
257819	< 3	< 0.003	< 0.003	0.315	0.002	< 0.003	< 0.003	< 0.003	0.001
257820	< 3	< 0.003	< 0.003	0.061	0.001	< 0.003	< 0.003	< 0.003	0.001
257821	< 3	< 0.003	< 0.003	0.115	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257822	< 3	< 0.003	< 0.003	0.069	0.002	< 0.003	< 0.003	< 0.003	0.001
257823	< 3	< 0.003	< 0.003	0.123	0.001	< 0.003	< 0.003	< 0.003	0.002
257824	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257825	< 3	< 0.003	< 0.003	0.103	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257826	< 3	< 0.003	< 0.003	0.064	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257827	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.001
257828	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257829	< 3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	0.001
257830	< 3	< 0.003	< 0.003	0.060	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257831	< 3	< 0.003	< 0.003	0.018	0.002	< 0.003	< 0.003	< 0.003	0.001
257832	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.002
257833	3	< 0.003	< 0.003	0.038	0.001	< 0.003	< 0.003	< 0.003	0.001
257834	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257835	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257836	< 3	< 0.003	< 0.003	0.523	0.003	0.035	0.004	< 0.003	0.007
257837	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.001
257838	< 3	< 0.003	< 0.003	0.031	0.002	< 0.003	< 0.003	< 0.003	0.001
257839	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257840	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257841	< 3	< 0.003	< 0.003	0.095	0.001	< 0.003	< 0.003	< 0.003	0.001
257842	< 3	< 0.003	< 0.003	0.046	0.003	< 0.003	< 0.003	< 0.003	0.002
257843	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257844	< 3	< 0.003	< 0.003	0.068	0.001	< 0.003	< 0.003	< 0.003	0.001
257845	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257846	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257847	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257848	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257849	< 3	< 0.003	< 0.003	0.108	0.001	< 0.003	< 0.003	< 0.003	0.004
257850	< 3	< 0.003	< 0.003	0.146	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257851	< 3	< 0.003	0.004	0.178	< 0.001	0.004	0.004	< 0.003	0.002
257852	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257853	< 3	< 0.003	< 0.003	0.042	0.004	< 0.003	0.005	< 0.003	0.004
257854	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	0.002
257855	< 3	< 0.003	< 0.003	0.134	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257856	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257857	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257858	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	0.010	< 0.003	0.001
257859	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257860	< 3	< 0.003	< 0.003	0.651	0.006	0.011	< 0.003	< 0.003	0.016
257861	< 3	< 0.003	< 0.003	0.126	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257862	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.002
257863	< 3	< 0.003	< 0.003	0.042	0.002	< 0.003	< 0.003	< 0.003	0.008
257864	< 3	< 0.003	< 0.003	0.018	0.002	< 0.003	< 0.003	< 0.003	0.001
257865	< 3	< 0.003	< 0.003	0.056	0.001	< 0.003	< 0.003	< 0.003	0.001
257866	< 3	< 0.003	< 0.003	0.069	0.002	< 0.003	< 0.003	< 0.003	0.002
257867	< 3	< 0.003	< 0.003	1.88	0.003	< 0.003	< 0.003	< 0.003	0.003
257868	< 3	< 0.003	< 0.003	0.027	0.002	< 0.003	< 0.003	< 0.003	0.003
257869	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.002
257870	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.002
257871	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.001
257872	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257873	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.001
257874	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.001
257875	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257876	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.003
257877	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257878	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257879	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257880	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257881	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.002
257882	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.001
257883	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.002
257884	3	< 0.003	< 0.003	1.10	0.003	0.050	0.004	0.005	0.010
257885	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.001
257886	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
257887	< 3	< 0.003	< 0.003	0.077	0.002	< 0.003	< 0.003	< 0.003	0.001
257888	< 3	< 0.003	< 0.003	0.032	0.002	< 0.003	< 0.003	< 0.003	0.002
257889	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257890	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.001
257891	< 3	< 0.003	< 0.003	0.074	0.001	< 0.003	< 0.003	< 0.003	0.001
257892	< 3	< 0.003	< 0.003	0.043	0.003	0.024	< 0.003	< 0.003	0.002
257893	< 3	< 0.003	< 0.003	0.085	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257894	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257895	< 3	< 0.003	< 0.003	0.082	0.003	< 0.003	< 0.003	< 0.003	0.003
257896	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257897	< 3	< 0.003	< 0.003	0.055	0.007	< 0.003	< 0.003	< 0.003	0.008
257898	< 3	< 0.003	< 0.003	0.460	0.003	< 0.003	< 0.003	< 0.003	0.004
257899	< 3	< 0.003	< 0.003	0.055	0.002	< 0.003	< 0.003	< 0.003	0.002
257900	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.002
257901	< 3	< 0.003	0.004	0.005	0.009	< 0.003	0.010	< 0.003	0.008
257902	< 3	< 0.003	0.005	0.005	0.011	< 0.003	0.012	< 0.003	0.006
257903	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257904	< 3	< 0.003	< 0.003	0.090	0.001	< 0.003	< 0.003	< 0.003	0.001
257905	< 3	< 0.003	< 0.003	0.119	0.001	< 0.003	< 0.003	< 0.003	0.001
257906	< 3	< 0.003	< 0.003	0.058	0.002	< 0.003	< 0.003	< 0.003	0.001
257907	< 3	< 0.003	< 0.003	0.089	0.002	< 0.003	< 0.003	< 0.003	0.001
257908	< 3	< 0.003	< 0.003	0.092	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257909	< 3	< 0.003	< 0.003	0.072	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257910	< 3	< 0.003	< 0.003	0.070	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257911	< 3	< 0.003	< 0.003	0.212	0.002	< 0.003	< 0.003	< 0.003	< 0.001
257912	< 3	< 0.003	< 0.003	0.759	0.004	0.022	0.004	< 0.003	0.010
257913	< 3	< 0.003	< 0.003	0.118	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257914	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257915	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257916	< 3	< 0.003	< 0.003	0.113	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257917	< 3	< 0.003	< 0.003	0.093	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257918	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257919	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257920	< 3	< 0.003	< 0.003	0.210	0.001	< 0.003	< 0.003	< 0.003	0.002
257921	< 3	< 0.003	0.004	0.017	0.009	< 0.003	0.004	< 0.003	0.006
257922	< 3	< 0.003	< 0.003	0.003	0.010	< 0.003	0.008	< 0.003	0.007
257923	< 3	< 0.003	< 0.003	0.154	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257924	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257925	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257926	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257927	< 3	< 0.003	< 0.003	0.096	0.001	< 0.003	< 0.003	< 0.003	0.001



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257928	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257929	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257930	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257931	< 3	< 0.003	< 0.003	< 0.001	0.008	< 0.003	0.004	< 0.003	0.007
257932	< 3	< 0.003	< 0.003	< 0.001	0.008	< 0.003	0.006	< 0.003	0.007
257933	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257934	< 3	< 0.003	< 0.003	0.144	0.001	< 0.003	< 0.003	< 0.003	0.001
257935	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	0.001
257936	< 3	< 0.003	< 0.003	0.533	0.003	0.035	< 0.003	< 0.003	0.007
257937	< 3	< 0.003	< 0.003	0.156	0.001	< 0.003	< 0.003	< 0.003	0.001
257938	< 3	< 0.003	< 0.003	0.023	0.002	< 0.003	< 0.003	< 0.003	0.002
257939	< 3	< 0.003	< 0.003	0.056	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257940	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.002
257941	< 3	< 0.003	0.005	0.032	0.002	< 0.003	< 0.003	< 0.003	0.001
257942	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
257943	< 3	< 0.003	0.003	< 0.001	0.011	< 0.003	0.008	< 0.003	0.010
257944	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257945	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257946	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257947	< 3	< 0.003	0.003	< 0.001	0.008	< 0.003	0.005	< 0.003	0.009
257948	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257949	< 3	< 0.003	0.003	< 0.001	0.005	< 0.003	0.007	< 0.003	0.007
257950	< 3	< 0.003	< 0.003	< 0.001	0.005	< 0.003	0.006	< 0.003	0.006
257951	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	0.005	< 0.003	0.007
257952	< 3	< 0.003	< 0.003	0.001	0.005	< 0.003	0.005	< 0.003	0.006
257953	< 3	< 0.003	0.003	< 0.001	0.006	< 0.003	0.005	< 0.003	0.008
257954	< 3	< 0.003	0.003	< 0.001	0.009	< 0.003	0.009	< 0.003	0.008
257955	< 3	< 0.003	0.004	< 0.001	0.012	< 0.003	0.010	< 0.003	0.012
257956	< 3	< 0.003	< 0.003	0.140	0.004	< 0.003	< 0.003	< 0.003	0.002
257957	< 3	< 0.003	< 0.003	0.060	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257958	< 3	< 0.003	< 0.003	0.041	0.003	< 0.003	< 0.003	< 0.003	0.002
257959	< 3	< 0.003	0.005	< 0.001	0.016	< 0.003	0.022	< 0.003	0.009
257960	< 3	< 0.003	< 0.003	0.602	0.006	0.010	< 0.003	0.003	0.016
257961	< 3	< 0.003	0.004	< 0.001	0.015	< 0.003	0.005	< 0.003	0.010
257962	< 3	< 0.003	0.004	0.011	0.015	< 0.003	0.010	< 0.003	0.011
257963	< 3	< 0.003	< 0.003	0.089	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257964	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.001
257965	< 3	< 0.003	< 0.003	0.010	0.007	< 0.003	0.003	< 0.003	0.008
257966	< 3	< 0.003	< 0.003	0.071	0.002	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	127		2.09	24.4			45.5		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	134		2.11	24.5			45.9		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	132		2.04	24.3			46.6		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.071	0.970			2.04		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.073	0.960			2.10		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.070	0.978			2.13		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.564		0.048	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.578		0.048	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.567		0.049	< 0.003		0.006
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.588		0.049	< 0.003		0.006
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.009		1.43	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.008		1.47	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.44	0.006	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	199	0.053	0.010	0.125				12.9	16.9
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	207	0.056	0.011	0.130				13.4	17.4
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	213	0.055	0.011	0.128				13.3	17.8
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	211	0.059	0.011	0.136				13.2	17.7
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	48	0.052		3.08		0.028		2.07	16.9
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	47	0.051		2.99		0.027		2.01	16.4

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	50	0.051		3.05		0.029		2.11	16.9
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.007	6.13				0.016	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	18		0.007	5.98				0.015	0.060
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	20		0.006	6.14				0.017	0.065
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.36				0.016	0.060
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	43		0.013	14.7				0.032	0.129
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.013	14.7				0.032	0.131
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.012	14.9				0.037	0.135
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.013	14.9				0.032	0.132
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.207				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.218				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.218				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.209				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314					1.85				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Meas									
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.86				
NCS DC86314 Cert					1.81				
CZN-4 Meas	49	0.258	0.010	0.408				0.178	54.7
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.260	0.010	0.420				0.179	55.8
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	52	0.257	0.010	0.415				0.184	54.0
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	49	0.259	0.009	0.408				0.170	52.6
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.77				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.84				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.09				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.98				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	53		0.332	8.14			11.4	0.083	0.209
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.321	7.83			11.1	0.078	0.203
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.323	7.74			11.2	0.080	0.204
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTC-1b Meas	52		0.314	7.94			11.5	0.082	0.200
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	204	0.007	0.031	22.2				0.682	2.96
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	204	0.007	0.032	23.5				0.688	2.98
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	208	0.007	0.032	23.6				0.714	3.09
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	207	0.008	0.031	23.0				0.698	2.94
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.006	3.94				0.012	0.046
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.006	4.00				0.010	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.90				0.013	0.047
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.006	4.04				0.014	0.043
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.152	0.006	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.150	0.006	< 0.003	0.036
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.155	0.007	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.006		0.147	0.008	< 0.003	0.036
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
257643 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257643 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257656 Orig	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.001
257656 Dup	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.001
257664 Orig	< 3	< 0.003	0.010	< 0.001	0.006	< 0.003	0.066	< 0.003	0.018
257664 Dup	< 3	< 0.003	0.010	0.003	0.006	< 0.003	0.066	< 0.003	0.018
257680 Split PREP DUP	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.016	< 0.003	0.004
257680 Split PREP DUP	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.016	< 0.003	0.004
257689 Orig	< 3	< 0.003	0.004	0.001	0.002	< 0.003	0.011	< 0.003	0.004
257689 Dup	< 3	< 0.003	0.004	0.001	0.002	< 0.003	0.012	< 0.003	0.005

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
257697 Orig	< 3	< 0.003	0.004	0.011	0.003	< 0.003	0.007	< 0.003	0.006
257697 Dup	< 3	< 0.003	0.004	0.012	0.003	< 0.003	0.007	< 0.003	0.006
257722 Orig	< 3	< 0.003	0.003	0.005	0.001	< 0.003	0.005	< 0.003	0.004
257722 Dup	< 3	< 0.003	0.003	0.003	0.001	< 0.003	0.005	< 0.003	0.004
257730 Split PREP DUP	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257730 Orig	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257730 Dup	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257755 Orig	< 3	< 0.003	< 0.003	0.571	0.003	< 0.003	0.003	< 0.003	0.008
257755 Dup	< 3	< 0.003	< 0.003	0.588	0.003	< 0.003	0.003	< 0.003	0.007
257768 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257768 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257776 Orig	< 3	< 0.003	< 0.003	0.087	0.002	< 0.003	< 0.003	< 0.003	0.004
257776 Dup	< 3	< 0.003	< 0.003	0.086	0.002	< 0.003	< 0.003	< 0.003	0.004
257780 Split PREP DUP	< 3	< 0.003	< 0.003	0.059	0.006	< 0.003	< 0.003	< 0.003	0.007
257801 Orig	< 3	< 0.003	< 0.003	0.124	0.002	< 0.003	< 0.003	< 0.003	0.001
257801 Dup	< 3	< 0.003	< 0.003	0.125	0.002	< 0.003	< 0.003	< 0.003	0.002
257809 Orig	< 3	< 0.003	< 0.003	0.168	< 0.001	< 0.003	< 0.003	< 0.003	0.002
257809 Dup	< 3	< 0.003	< 0.003	0.171	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257830 Split PREP DUP	< 3	< 0.003	< 0.003	0.056	0.001	< 0.003	< 0.003	< 0.003	< 0.001
257834 Orig	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257834 Dup	< 3	< 0.003	< 0.003	0.072	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257842 Orig	< 3	< 0.003	< 0.003	0.046	0.003	< 0.003	< 0.003	< 0.003	0.002
257842 Dup	< 3	< 0.003	< 0.003	0.046	0.003	< 0.003	< 0.003	< 0.003	0.002
257867 Orig	< 3	< 0.003	< 0.003	1.87	0.003	< 0.003	< 0.003	< 0.003	0.002
257867 Dup	< 3	< 0.003	< 0.003	1.88	0.003	< 0.003	< 0.003	< 0.003	0.003
257880 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257880 Split PREP DUP	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257880 Orig	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257880 Dup	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257888 Orig	< 3	< 0.003	< 0.003	0.032	0.002	< 0.003	< 0.003	< 0.003	0.002
257888 Dup	< 3	< 0.003	< 0.003	0.032	0.002	< 0.003	< 0.003	< 0.003	0.002
257913 Orig	< 3	< 0.003	< 0.003	0.116	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257913 Dup	< 3	< 0.003	< 0.003	0.120	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257921 Orig	< 3	< 0.003	0.003	0.017	0.009	< 0.003	0.004	< 0.003	0.007
257921 Dup	< 3	< 0.003	0.004	0.017	0.009	< 0.003	0.004	< 0.003	0.006
257930 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
257930 Split PREP DUP	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	0.009	0.013
257946 Orig	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257946 Dup	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
257954 Orig	< 3	< 0.003	0.003	< 0.001	0.009	< 0.003	0.009	< 0.003	0.008
257954 Dup	< 3	< 0.003	0.003	< 0.001	0.009	< 0.003	0.009	< 0.003	0.009
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

Report No.: A20-14921-Au
Report Date: 15-Jan-21
Date Submitted: 19-Nov-20
Your Reference: GOS-234

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

336 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Description, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-14921-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257631	0.168								
257632	0.052								
257633	0.517								
257634	0.034								
257635	0.160								
257636	0.700								
257637	0.182								
257638	0.040								
257639	0.127								
257640	1.024								
257641	0.271								
257642	0.149								
257643	< 0.005								
257644	< 0.005								
257645	0.086								
257646	0.240								
257647	0.432								
257648	< 0.005								
257649	0.466								
257650	0.331								
257651	3.982	3.82							
257652	0.363								
257653	0.071								
257654	0.161								
257655	0.698								
257656	0.172								
257657	2.450								
257658	0.263								
257659	0.311								
257660	0.176								
257661	> 5.000	5.60	28.2	3.09	4.11	4.21	42.76	1677.0	1719.8
257662	0.358								
257663	< 0.005								
257664	0.005								
257665	0.008								
257666	0.013								
257667	0.026								
257668	3.467	3.13							
257669	0.005								
257670	< 0.005								
257671	< 0.005								
257672	< 0.005								
257673	0.006								
257674	< 0.005								
257675	< 0.005								
257676	< 0.005								
257677	0.048								
257678	0.043								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257679	0.048								
257680	0.016								
257681	0.080								
257682	0.014								
257683	0.012								
257684	1.501								
257685	> 5.000	135	261	34.2	31.4	40.0	55.41	1696.0	1751.4
257686	< 0.005								
257687	0.667								
257688	0.008								
257689	0.006								
257690	< 0.005								
257691	0.071								
257692	0.063								
257693	0.005								
257694	0.019								
257695	0.021								
257696	< 0.005								
257697	0.017								
257698	0.008								
257699	0.074								
257700	0.011								
257701	0.628								
257702	0.166								
257703	0.049								
257704	0.095								
257705	0.009								
257706	0.061								
257707	0.105								
257708	0.178								
257709	0.098								
257710	0.172								
257711	0.105								
257712	0.513								
257713	0.005								
257714	0.209								
257715	0.054								
257716	0.094								
257717	< 0.005								
257718	0.067								
257719	0.071								
257720	0.027								
257721	0.007								
257722	< 0.005								
257723	0.057								
257724	0.006								
257725	0.233								
257726	0.522								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257727	0.508								
257728	0.234								
257729	0.676								
257730	0.309								
257731	0.783								
257732	0.105								
257733	0.258								
257734	0.153								
257735	0.018								
257736	0.701								
257737	0.045								
257738	0.006								
257739	0.005								
257740	0.005								
257741	0.005								
257742	0.008								
257743	0.272								
257744	0.095								
257745	0.128								
257746	0.019								
257747	0.018								
257748	< 0.005								
257749	0.034								
257750	0.043								
257751	0.144								
257752	0.188								
257753	0.077								
257754	0.011								
257755	1.206								
257756	0.091								
257757	0.455								
257758	0.612								
257759	0.527								
257760	0.188								
257761	0.197								
257762	0.902								
257763	0.176								
257764	< 0.005								
257765	0.029								
257766	0.395								
257767	> 5.000	74.2	154	68.2	66.4	71.9	27.72	497.00	524.72
257768	0.008								
257769	0.371								
257770	0.415								
257771	0.139								
257772	0.005								
257773	0.092								
257774	0.017								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257775	> 5.000	9.06	1900	18.6	16.5	68.4	62.23	2249.0	2311.2
257776	0.197								
257777	0.255								
257778	0.389								
257779	0.326								
257780	0.217								
257781	0.069								
257782	0.131								
257783	0.105								
257784	1.518								
257785	1.083								
257786	0.621								
257787	0.208								
257788	0.106								
257789	0.005								
257790	< 0.005								
257791	0.007								
257792	0.246								
257793	0.249								
257794	1.036								
257795	0.070								
257796	< 0.005								
257797	0.148								
257798	0.391								
257799	0.626								
257800	0.351								
257801	0.435								
257802	0.672								
257803	2.178								
257804	1.368								
257805	0.679								
257806	1.472								
257807	0.304								
257808	0.325								
257809	0.722								
257810	0.906								
257811	0.393								
257812	0.505								
257813	0.303								
257814	0.655								
257815	0.562								
257816	> 5.000	13.6	23.0	0.97	1.32	1.80	41.46	1345.0	1386.5
257817	0.376								
257818	2.011								
257819	1.063								
257820	0.397								
257821	0.592								
257822	0.820								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257823	0.276								
257824	< 0.005								
257825	0.442								
257826	0.270								
257827	0.078								
257828	0.187								
257829	0.333								
257830	0.301								
257831	0.139								
257832	> 5.000	7.47	109	2.04	2.38	5.74	42.80	1247.0	1289.8
257833	2.224								
257834	0.203								
257835	0.895								
257836	0.688								
257837	0.178								
257838	0.253								
257839	1.661								
257840	< 0.005								
257841	0.256								
257842	0.150								
257843	1.203								
257844	0.097								
257845	0.099								
257846	0.248								
257847	0.060								
257848	< 0.005								
257849	0.337								
257850	0.230								
257851	0.456								
257852	0.121								
257853	0.065								
257854	0.022								
257855	0.542								
257856	1.908								
257857	1.806								
257858	1.979								
257859	0.121								
257860	0.182								
257861	0.560								
257862	0.020								
257863	0.021								
257864	0.215								
257865	0.217								
257866	0.252								
257867	0.819								
257868	0.080								
257869	0.058								
257870	0.056								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257871	2.756								
257872	< 0.005								
257873	0.021								
257874	0.030								
257875	0.019								
257876	0.015								
257877	0.035								
257878	0.023								
257879	< 0.005								
257880	1.979								
257881	0.051								
257882	0.047								
257883	< 0.005								
257884	1.524								
257885	< 0.005								
257886	0.071								
257887	0.085								
257888	0.052								
257889	0.014								
257890	0.045								
257891	0.076								
257892	0.165								
257893	0.141								
257894	0.062								
257895	0.096								
257896	< 0.005								
257897	0.048								
257898	0.635								
257899	0.080								
257900	0.085								
257901	0.016								
257902	0.008								
257903	0.097								
257904	2.003								
257905	0.878								
257906	0.071								
257907	0.374								
257908	0.178								
257909	0.119								
257910	0.109								
257911	0.274								
257912	0.506								
257913	0.293								
257914	0.062								
257915	0.131								
257916	0.106								
257917	0.119								
257918	0.057								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
257919	0.067								
257920	0.238								
257921	0.025								
257922	< 0.005								
257923	0.243								
257924	< 0.005								
257925	0.066								
257926	0.022								
257927	0.121								
257928	0.048								
257929	0.016								
257930	0.013								
257931	< 0.005								
257932	< 0.005								
257933	0.052								
257934	0.047								
257935	0.064								
257936	0.679								
257937	0.169								
257938	0.072								
257939	0.068								
257940	0.074								
257941	0.057								
257942	0.009								
257943	< 0.005								
257944	0.023								
257945	0.049								
257946	0.025								
257947	< 0.005								
257948	< 0.005								
257949	< 0.005								
257950	< 0.005								
257951	< 0.005								
257952	< 0.005								
257953	< 0.005								
257954	< 0.005								
257955	0.008								
257956	0.176								
257957	0.058								
257958	0.036								
257959	0.009								
257960	0.183								
257961	0.008								
257962	< 0.005								
257963	0.185								
257964	0.056								
257965	0.005								
257966	0.045								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 257 Meas		14.2	14.0	
OREAS 257 Cert		14.18	14.18	
OREAS 257 Meas		14.2		
OREAS 257 Cert		14.18		
Oreas 237 (fire Assay) Meas	2.306			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.236			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.258			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.248			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.216			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.286			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.287			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.289			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.232			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.308			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.156			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.259			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.231			
Oreas 237 (fire Assay) Cert	2.21			



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 228b (Fire Assay) Meas		8.38	8.67	
OREAS 228b (Fire Assay) Cert		8.57	8.57	
OREAS 228b (Fire Assay) Meas		8.56		
OREAS 228b (Fire Assay) Cert		8.57		
Oreas E1336 (Fire Assay) Meas	0.525			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.497			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.521			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.529			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.525			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.528			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.519			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.524			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.517			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.525			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.523			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.530			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.516			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Assay) Meas				
Oreas E1336 (Fire Assay) Cert	0.510			
257650 Orig	0.304			
257650 Dup	0.358			
257661 Orig	> 5.000		4.21	1719.8
257661 Dup	> 5.000			
257668 Orig	3.255			
257668 Dup	3.679			
257675 Orig	< 0.005			
257675 Dup	< 0.005			
257680 Split Orig PREP DUP	0.016			
257680 Split PREP DUP	0.025			
257685 Orig	> 5.000		40.0	1751.4
257685 Dup	> 5.000			
257694 Orig	0.009			
257694 Dup	0.029			
257709 Orig	0.097			
257709 Dup	0.100			
257719 Orig	0.062			
257719 Dup	0.080			
257730 Split Orig PREP DUP	0.309			
257730 Split PREP DUP	0.317			
257733 Orig	0.213			
257733 Dup	0.304			
257743 Orig	0.274			
257743 Dup	0.270			
257753 Orig	0.083			
257753 Dup	0.071			
257763 Orig	0.179			
257763 Dup	0.174			
257767 Orig			71.9	524.72
257778 Orig	0.396			
257778 Dup	0.383			
257780 Split Orig PREP DUP	0.217			
257780 Split PREP DUP	0.225			
257787 Orig	0.222			
257787 Dup	0.193			
257797 Orig	0.150			
257797 Dup	0.147			
257816 Orig			1.80	1386.5
257830 Split Orig PREP DUP	0.301			
257830 Split PREP DUP	0.204			
257831 Orig	0.143			



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.03		
Method Blank		< 0.03		
Method Blank		< 0.03		
Method Blank		< 0.03		
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank			< 0.03	
Method Blank			< 0.03	



IAMGOLD Corporation  
2140 Regent Street Unit 10  
Sudbury Ontario P3E 5S8  
Canada

Report No.: A20-14920-8-4Acid  
Report Date: 28-Jan-21  
Date Submitted: 19-Nov-20  
Your Reference: GOS-234

ATTN: Alan Smith

### CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
8-4 Acid Total Digestion	QOP Total Assay (Code 8-4 Acid Total Digestion Assays)	2021-01-13 11:40:41

REPORT **A20-14920-8-4Acid**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258001	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258002	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258003	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258004	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258005	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258006	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258007	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258008	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258009	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258010	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258011	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258012	< 3	< 0.003	< 0.003	0.743	0.002	0.021	0.003	< 0.003	0.010
258013	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258014	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258015	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.014
258016	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258017	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258018	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258019	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258020	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258021	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258022	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258023	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258024	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258025	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258026	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258027	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258028	< 3	< 0.003	< 0.003	0.139	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258029	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	0.003	0.024
258030	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	0.003	0.016
258031	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.006
258032	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258033	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258034	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258035	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258036	< 3	< 0.003	< 0.003	0.504	0.002	0.032	0.003	< 0.003	0.006
258037	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258038	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258039	< 3	< 0.003	0.008	0.228	< 0.001	< 0.003	0.230	< 0.003	0.011
258040	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.010
258041	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	0.005	0.018
258042	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258043	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258044	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258045	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258046	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258047	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258048	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258049	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258050	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258051	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258052	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258053	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258054	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258055	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258056	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258057	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258058	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258059	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258060	< 3	< 0.003	< 0.003	0.619	0.004	0.009	< 0.003	0.003	0.015
258061	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258062	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258063	< 3	< 0.003	< 0.003	0.093	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258064	< 3	< 0.003	< 0.003	0.137	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258065	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258066	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258067	< 3	< 0.003	< 0.003	0.118	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258068	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258069	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258070	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258071	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258072	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258073	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.002
258074	< 3	< 0.003	< 0.003	0.172	0.001	< 0.003	< 0.003	< 0.003	0.002
258075	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258076	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.002
258077	< 3	< 0.003	< 0.003	0.103	< 0.001	< 0.003	0.003	< 0.003	0.002
258078	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258079	< 3	< 0.003	< 0.003	0.031	0.001	0.004	< 0.003	< 0.003	0.001
258080	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258081	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
258082	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
258083	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258084	4	< 0.003	< 0.003	1.11	0.003	0.052	0.005	0.006	0.010
258085	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258086	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258087	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258088	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258089	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258090	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258091	< 3	< 0.003	< 0.003	0.044	0.001	< 0.003	< 0.003	< 0.003	0.001
258092	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258093	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258094	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258095	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.001
258096	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258097	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258098	< 3	< 0.003	0.004	0.015	0.003	< 0.003	< 0.003	< 0.003	0.007
258099	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258100	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.002
258101	< 3	< 0.003	< 0.003	0.037	0.002	< 0.003	< 0.003	< 0.003	0.002
258102	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
258103	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
258104	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258105	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.003
258106	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
258107	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
258108	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
258109	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258110	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258111	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
258112	< 3	< 0.003	< 0.003	0.772	0.004	0.023	0.005	< 0.003	0.011
258113	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
258114	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
258115	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258116	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258117	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.004
258118	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.003
258119	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
258120	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.014
258121	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
258122	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
258123	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
258124	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258125	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258126	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.004
258127	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258128	< 3	< 0.003	< 0.003	0.045	0.002	< 0.003	< 0.003	< 0.003	0.001
258129	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
258130	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
258131	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.002
258132	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.002
258133	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.003
258134	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.004
258135	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	0.028
258136	< 3	< 0.003	< 0.003	0.512	0.003	0.035	0.004	< 0.003	0.007
258137	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.003
258138	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.078
258139	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.007
258140	< 3	< 0.003	< 0.003	0.021	0.003	< 0.003	< 0.003	< 0.003	0.009
258141	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.010
258142	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.003
258143	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.003
258144	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.002
258145	< 3	< 0.003	< 0.003	0.069	0.003	< 0.003	0.004	< 0.003	0.004
258146	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
258147	< 3	< 0.003	0.004	0.015	0.003	< 0.003	0.020	< 0.003	0.005
258148	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258149	< 3	< 0.003	0.005	0.001	0.002	< 0.003	0.024	< 0.003	0.005
258150	< 3	< 0.003	0.005	0.001	0.002	< 0.003	0.022	< 0.003	0.005

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	128		2.05	24.5			45.8		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.073	0.967			2.16		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.982			2.15		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.574		0.050	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.568		0.048	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.009		1.44	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.45	0.005	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	203	0.054	0.011	0.126				13.3	17.1
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	206	0.056	0.011	0.132				13.3	17.6
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	47	0.051		2.91		0.027		2.05	16.2
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	47	0.053		2.92		0.027		2.05	16.3
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.007	6.36				0.014	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.19				0.014	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	44		0.013	14.8				0.032	0.132
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	43		0.012	14.6				0.032	0.126
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.221				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.219				
NCS DC86303					0.210				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Cert									
NCS DC86314 Meas					1.82				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.85				
NCS DC86314 Cert					1.81				
CZN-4 Meas	49	0.244	0.010	0.382				0.177	55.1
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.261	0.010	0.419				0.184	55.9
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.78				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.88				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	58		0.309	7.62			11.0	0.080	0.202
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	50		0.323	8.01			11.3	0.084	0.210
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	200	0.007	0.031	22.4				0.675	3.00
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	207	0.007	0.030	22.8				0.696	2.96
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.153	0.006	< 0.003	0.036
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.155	0.007	< 0.003	0.037
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
258013 Orig	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258013 Dup	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258026 Orig	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258026 Dup	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258034 Orig	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258034 Dup	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258050 Split PREP DUP	< 3	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	< 0.003	0.001
258059 Orig	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258059 Dup	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258067 Orig	< 3	< 0.003	< 0.003	0.115	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258067 Dup	< 3	< 0.003	< 0.003	0.120	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258100 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.002
258100 Split PREP DUP	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.002
258100 Orig	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.002
258100 Dup	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.002
258125 Orig	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258125 Dup	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258138 Orig	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.077
258138 Dup	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.078
258150 Split Orig PREP DUP	< 3	< 0.003	0.005	0.001	0.002	< 0.003	0.022	< 0.003	0.005
258150 Split PREP DUP	< 3	< 0.003	0.005	0.001	0.003	< 0.003	0.022	< 0.003	0.005
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.013
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	0.049	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-14920-Au
Report Date: 08-Jan-21
Date Submitted: 19-Nov-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4-1000 (100mesh)-Timmins.

REPORT A20-14920-Au

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Notes:

A representative 1000 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Elitsa Hrischeva

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
258001	0.388								
258002	0.322								
258003	0.177								
258004	0.186								
258005	1.126								
258006	0.209								
258007	0.043								
258008	0.273								
258009	0.209								
258010	0.098								
258011	0.196								
258012	0.513								
258013	0.115								
258014	0.067								
258015	0.246								
258016	0.126								
258017	0.217								
258018	0.164								
258019	1.025								
258020	0.094								
258021	0.095								
258022	0.260								
258023	0.297								
258024	< 0.005								
258025	0.183								
258026	0.104								
258027	0.143								
258028	0.239								
258029	0.396								
258030	0.365								
258031	0.100								
258032	0.217								
258033	0.096								
258034	0.927								
258035	0.031								
258036	0.664								
258037	0.111								
258038	0.006								
258039	0.025								
258040	0.162								
258041	2.208								
258042	0.341								
258043	0.065								
258044	0.031								
258045	0.015								
258046	0.067								
258047	0.065								
258048	< 0.005								

## Results

## Activation Laboratories Ltd.

Report: A20-14920

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
258049	0.377								
258050	0.773								
258051	0.111								
258052	0.163								
258053	0.108								
258054	0.257								
258055	0.037								
258056	0.018								
258057	0.167								
258058	0.028								
258059	0.273								
258060	0.183								
258061	0.119								
258062	0.128								
258063	1.687								
258064	0.320								
258065	0.082								
258066	0.632								
258067	0.590								
258068	0.304								
258069	0.388								
258070	0.180								
258071	0.318								
258072	< 0.005								
258073	0.172								
258074	0.453								
258075	0.281								
258076	0.071								
258077	0.321								
258078	0.267								
258079	1.320								
258080	0.074								
258081	0.022								
258082	0.022								
258083	0.139								
258084	1.536								
258085	0.041								
258086	0.008								
258087	0.008								
258088	0.021								
258089	0.008								
258090	0.007								
258091	> 5.000	5.29	11.8	2.05	2.08	2.18	14.87	1221.0	1235.9
258092	0.458								
258093	0.168								
258094	0.014								
258095	0.021								
258096	< 0.005								

Results

Activation Laboratories Ltd.

Report: A20-14920

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
258097	0.130								
258098	0.015								
258099	0.026								
258100	0.950								
258101	0.339								
258102	0.081								
258103	0.058								
258104	0.097								
258105	0.096								
258106	0.015								
258107	0.015								
258108	0.028								
258109	0.374								
258110	0.286								
258111	0.015								
258112	0.499								
258113	0.049								
258114	0.053								
258115	0.065								
258116	0.045								
258117	0.037								
258118	0.347								
258119	0.033								
258120	0.263								
258121	< 0.005								
258122	0.005								
258123	< 0.005								
258124	< 0.005								
258125	0.024								
258126	0.820								
258127	0.023								
258128	0.136								
258129	0.116								
258130	0.220								
258131	0.043								
258132	0.030								
258133	0.012								
258134	0.059								
258135	0.069								
258136	0.665								
258137	0.024								
258138	0.024								
258139	0.019								
258140	0.046								
258141	0.018								
258142	0.072								
258143	0.077								
258144	0.133								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
258145	0.125								
258146	0.161								
258147	0.251								
258148	< 0.005								
258149	< 0.005								
258150	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 257 Meas						14.1			
OREAS 257 Cert						14.18			
Oreas 237 (fire Assay) Meas	2.264								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.272								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.216								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.258								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.235								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.259								
Oreas 237 (fire Assay) Cert	2.21								
OREAS 228b (Fire Assay) Meas		8.44				8.57			
OREAS 228b (Fire Assay) Cert		8.57				8.57			
Oreas E1336 (Fire Assay) Meas	0.530								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.523								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.522								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.528								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.515								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.521								
Oreas E1336 (Fire Assay) Cert	0.510								
258010 Orig	0.104								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Method Blank						< 0.03			
Method Blank						< 0.03			



Report No.: A20-15211-8-4Acid
Report Date: 25-Feb-21
Date Submitted: 25-Nov-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

337 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2021-02-01 22:27:57

REPORT A20-15211-8-4Acid

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258151	< 3	< 0.003	0.005	< 0.001	0.003	< 0.003	0.025	< 0.003	0.005
258152	< 3	< 0.003	0.005	0.003	0.003	< 0.003	0.027	< 0.003	0.005
258153	< 3	< 0.003	0.005	0.001	0.003	< 0.003	0.027	< 0.003	0.004
258154	< 3	< 0.003	0.004	0.006	0.003	< 0.003	0.027	< 0.003	0.005
258155	< 3	< 0.003	0.005	0.090	0.004	< 0.003	0.037	< 0.003	0.006
258156	< 3	< 0.003	0.006	0.004	0.003	< 0.003	0.038	< 0.003	0.006
258157	< 3	< 0.003	0.004	0.001	0.003	< 0.003	0.034	< 0.003	0.006
258158	5	< 0.003	0.006	0.771	0.003	< 0.003	0.040	< 0.003	0.017
258159	< 3	< 0.003	0.009	< 0.001	0.001	< 0.003	0.092	< 0.003	0.009
258160	< 3	< 0.003	< 0.003	0.619	0.006	0.010	< 0.003	0.003	0.016
258161	< 3	< 0.003	0.010	0.002	< 0.001	< 0.003	0.107	< 0.003	0.006
258162	< 3	< 0.003	0.011	0.004	< 0.001	< 0.003	0.112	< 0.003	0.005
258163	< 3	< 0.003	0.012	< 0.001	< 0.001	< 0.003	0.117	< 0.003	0.006
258164	< 3	< 0.003	0.010	< 0.001	< 0.001	< 0.003	0.112	< 0.003	0.008
258165	< 3	< 0.003	0.011	0.001	< 0.001	< 0.003	0.118	< 0.003	0.006
258166	< 3	< 0.003	0.011	0.003	< 0.001	< 0.003	0.114	< 0.003	0.007
258167	< 3	< 0.003	0.009	0.002	< 0.001	< 0.003	0.105	< 0.003	0.007
258168	< 3	< 0.003	0.009	0.005	< 0.001	< 0.003	0.097	< 0.003	0.009
258169	< 3	< 0.003	0.008	0.002	0.005	< 0.003	0.067	< 0.003	0.011
258170	< 3	< 0.003	0.009	< 0.001	0.006	< 0.003	0.068	< 0.003	0.010
258171	< 3	< 0.003	0.005	0.002	0.005	< 0.003	0.031	< 0.003	0.009
258172	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258173	< 3	< 0.003	0.005	< 0.001	0.002	< 0.003	0.022	< 0.003	0.008
258174	< 3	< 0.003	0.004	0.001	0.002	< 0.003	0.024	< 0.003	0.009
258175	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.020	< 0.003	0.007
258176	< 3	< 0.003	< 0.003	0.004	0.003	0.029	0.017	< 0.003	0.008
258177	< 3	< 0.003	0.013	0.031	0.001	0.003	0.019	< 0.003	0.005
258178	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.020	< 0.003	0.007
258179	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.022	< 0.003	0.005
258180	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.024	< 0.003	0.005
258181	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.022	< 0.003	0.005
258182	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.020	< 0.003	0.005
258183	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.021	< 0.003	0.004
258184	4	< 0.003	< 0.003	1.12	0.003	0.050	0.006	0.005	0.011
258185	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.019	< 0.003	0.004
258186	< 3	< 0.003	0.004	0.002	0.002	< 0.003	0.019	< 0.003	0.005
258187	< 3	< 0.003	0.004	0.002	0.003	< 0.003	0.019	< 0.003	0.005
258188	< 3	< 0.003	0.004	0.001	0.002	< 0.003	0.017	< 0.003	0.005
258189	< 3	< 0.003	0.004	0.003	0.003	< 0.003	0.018	< 0.003	0.005
258190	< 3	< 0.003	0.004	0.006	0.003	< 0.003	0.016	< 0.003	0.005
258191	< 3	< 0.003	0.003	0.005	0.003	< 0.003	0.013	< 0.003	0.005
258192	< 3	< 0.003	0.004	0.002	0.004	< 0.003	0.014	< 0.003	0.006
258193	< 3	< 0.003	0.004	0.002	0.004	< 0.003	0.012	< 0.003	0.005
258194	< 3	< 0.003	0.004	0.002	0.003	< 0.003	0.012	< 0.003	0.005
258195	< 3	< 0.003	0.004	0.002	0.002	< 0.003	0.011	< 0.003	0.004
258196	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258197	< 3	< 0.003	0.003	0.007	0.001	< 0.003	0.012	< 0.003	0.003
258198	< 3	< 0.003	0.004	0.004	0.001	< 0.003	0.011	< 0.003	0.004
258199	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	0.008	< 0.003	0.004

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258200	< 3	< 0.003	0.003	0.013	0.002	< 0.003	0.009	< 0.003	0.004
258201	< 3	< 0.003	0.003	0.004	0.002	< 0.003	0.009	< 0.003	0.005
258202	< 3	< 0.003	0.003	0.008	< 0.001	< 0.003	0.007	< 0.003	0.004
258203	< 3	< 0.003	0.003	0.007	0.002	< 0.003	0.006	< 0.003	0.005
258204	< 3	< 0.003	0.004	0.012	< 0.001	< 0.003	0.007	< 0.003	0.004
258205	< 3	< 0.003	0.003	0.012	< 0.001	< 0.003	0.006	< 0.003	0.004
258206	< 3	< 0.003	0.003	< 0.001	0.001	< 0.003	0.005	< 0.003	0.004
258207	< 3	< 0.003	0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.005
258208	< 3	< 0.003	0.003	< 0.001	0.001	< 0.003	0.005	< 0.003	0.005
258209	< 3	< 0.003	0.003	0.003	0.002	< 0.003	0.004	< 0.003	0.005
258210	< 3	< 0.003	0.003	< 0.001	0.002	< 0.003	0.005	< 0.003	0.005
258211	< 3	< 0.003	0.003	0.002	0.002	< 0.003	0.004	< 0.003	0.005
258212	< 3	< 0.003	< 0.003	0.783	0.004	0.022	0.004	< 0.003	0.011
258213	< 3	< 0.003	0.004	0.010	0.001	< 0.003	0.005	< 0.003	0.004
258214	< 3	< 0.003	0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.004
258215	< 3	< 0.003	0.004	0.003	0.002	< 0.003	0.005	< 0.003	0.005
258216	< 3	< 0.003	0.004	0.002	0.002	< 0.003	0.007	< 0.003	0.006
258217	< 3	< 0.003	0.003	0.004	0.002	< 0.003	0.004	< 0.003	0.005
258218	< 3	< 0.003	0.003	< 0.001	0.001	< 0.003	0.005	< 0.003	0.004
258219	< 3	< 0.003	0.004	0.013	0.002	< 0.003	0.005	< 0.003	0.005
258220	< 3	< 0.003	0.003	0.005	0.002	< 0.003	0.004	< 0.003	0.005
258221	< 3	< 0.003	0.003	0.003	0.001	< 0.003	0.004	< 0.003	0.004
258222	< 3	< 0.003	0.004	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.004
258223	< 3	< 0.003	0.004	0.005	0.001	< 0.003	0.004	< 0.003	0.005
258224	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258225	< 3	< 0.003	0.004	0.005	0.001	< 0.003	0.004	< 0.003	0.005
258226	< 3	< 0.003	0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.004
258227	< 3	< 0.003	0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.005
258228	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258229	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.004
258230	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.004
258231	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.004
258232	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	0.003	< 0.003	0.003
258233	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	0.003	< 0.003	0.004
258234	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	0.003	< 0.003	0.003
258235	< 3	< 0.003	< 0.003	0.001	0.001	< 0.003	0.004	< 0.003	0.003
258236	< 3	< 0.003	< 0.003	0.527	0.003	0.034	0.003	< 0.003	0.007
258237	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.004
258238	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	0.005	< 0.003	0.004
258239	< 3	< 0.003	< 0.003	0.001	0.001	< 0.003	0.004	< 0.003	0.004
258240	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	0.004	< 0.003	0.003
258241	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258242	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	0.004	< 0.003	0.004
258243	< 3	< 0.003	< 0.003	0.001	0.001	< 0.003	0.004	< 0.003	0.004
258244	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.005
258245	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.003	< 0.003	0.004
258246	< 3	< 0.003	0.003	0.003	0.002	< 0.003	0.004	< 0.003	0.004
258247	< 3	< 0.003	< 0.003	0.001	0.003	< 0.003	0.004	< 0.003	0.008
258248	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258249	< 3	< 0.003	< 0.003	0.020	0.002	< 0.003	0.005	< 0.003	0.005

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258250	< 3	< 0.003	< 0.003	0.022	0.002	< 0.003	0.005	< 0.003	0.006
258251	< 3	< 0.003	0.003	0.054	0.002	< 0.003	0.004	< 0.003	0.005
258252	< 3	< 0.003	0.004	0.079	0.001	< 0.003	0.005	< 0.003	0.005
258253	< 3	< 0.003	0.005	0.008	0.001	< 0.003	0.006	< 0.003	0.006
258254	< 3	< 0.003	0.005	0.026	< 0.001	< 0.003	0.004	< 0.003	0.007
258255	< 3	< 0.003	0.005	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.006
258256	< 3	< 0.003	0.004	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.006
258257	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.005
258258	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258259	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	0.004	< 0.003	0.004
258260	< 3	< 0.003	< 0.003	0.614	0.006	0.010	< 0.003	< 0.003	0.015
258261	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.005
258262	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	0.004	< 0.003	0.004
258263	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	0.003	< 0.003	0.004
258264	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	0.003	< 0.003	0.004
258265	< 3	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	< 0.003	0.004
258266	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	0.004	< 0.003	0.004
258267	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.003
258268	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.004
258269	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	0.003
258270	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.003
258271	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258272	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258273	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258274	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258275	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
258276	< 3	< 0.003	< 0.003	0.050	0.001	< 0.003	< 0.003	< 0.003	0.002
258277	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258278	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258279	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.003
258280	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.011
258281	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258282	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258283	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	0.003	0.007
258284	4	< 0.003	< 0.003	1.06	0.003	0.051	0.004	0.004	0.010
258285	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.015
258286	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.010
258287	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.004
258288	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258289	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
258290	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
258291	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258292	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258293	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.001
258294	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.001
258295	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.001
258296	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258297	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.001
258298	< 3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	0.002



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258299	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258300	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258301	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258302	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
258303	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258304	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
258305	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
258306	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258307	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
258308	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
258309	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
258310	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.001
258311	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.002
258312	< 3	< 0.003	< 0.003	0.769	0.004	0.023	0.004	< 0.003	0.012
258313	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258314	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258315	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.001
258316	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258317	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258318	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258319	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.002
258320	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.003
258321	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.002
258322	< 3	< 0.003	< 0.003	0.034	0.002	< 0.003	< 0.003	< 0.003	0.001
258323	< 3	< 0.003	< 0.003	0.067	0.002	< 0.003	< 0.003	< 0.003	0.002
258324	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258325	< 3	< 0.003	< 0.003	0.030	0.002	< 0.003	< 0.003	< 0.003	0.002
258326	< 3	< 0.003	< 0.003	0.045	0.002	< 0.003	< 0.003	< 0.003	0.002
258327	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.002
258328	< 3	< 0.003	< 0.003	0.003	0.003	< 0.003	< 0.003	< 0.003	0.003
258329	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
258330	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
258331	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
258332	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.002
258333	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
258334	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	< 0.003	< 0.003	0.003
258335	< 3	< 0.003	< 0.003	0.001	0.003	< 0.003	< 0.003	< 0.003	0.003
258336	< 3	< 0.003	< 0.003	0.517	0.003	0.034	0.003	< 0.003	0.008
258337	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.002
258338	< 3	< 0.003	< 0.003	0.035	0.002	< 0.003	< 0.003	< 0.003	0.002
258339	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
258340	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.002
258341	< 3	< 0.003	< 0.003	0.013	0.003	< 0.003	< 0.003	< 0.003	0.003
258342	< 3	< 0.003	< 0.003	0.097	0.007	< 0.003	< 0.003	< 0.003	0.007
258343	< 3	< 0.003	< 0.003	0.016	0.008	< 0.003	0.011	< 0.003	0.006
258344	< 3	< 0.003	< 0.003	0.043	0.007	< 0.003	< 0.003	< 0.003	0.004
258345	< 3	< 0.003	< 0.003	0.008	0.007	< 0.003	< 0.003	< 0.003	0.004
258346	< 3	< 0.003	< 0.003	0.009	0.006	< 0.003	< 0.003	< 0.003	0.004
258347	< 3	< 0.003	0.004	0.001	0.014	< 0.003	0.008	< 0.003	0.010
258348	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258349	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
258350	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.002
258351	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.001
258352	< 3	< 0.003	< 0.003	0.028	0.002	< 0.003	< 0.003	< 0.003	0.002
258353	< 3	< 0.003	< 0.003	0.028	0.002	< 0.003	< 0.003	< 0.003	0.002
258354	< 3	< 0.003	0.003	< 0.001	0.009	< 0.003	0.006	< 0.003	0.008
258355	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258356	< 3	< 0.003	< 0.003	0.037	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258357	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258358	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258359	< 3	< 0.003	< 0.003	0.084	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258360	< 3	< 0.003	< 0.003	0.606	0.006	0.011	< 0.003	< 0.003	0.016
258361	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258362	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258363	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258364	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258365	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258366	< 3	< 0.003	0.004	0.005	0.006	< 0.003	0.003	< 0.003	0.010
258367	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258368	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258369	< 3	< 0.003	0.003	0.004	0.003	< 0.003	0.008	< 0.003	0.009
258370	< 3	< 0.003	0.003	0.004	0.003	< 0.003	0.008	< 0.003	0.010
258371	< 3	< 0.003	0.003	0.006	0.005	< 0.003	0.008	< 0.003	0.008
258372	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258373	< 3	< 0.003	0.008	< 0.001	0.007	< 0.003	0.086	< 0.003	0.016
258374	< 3	< 0.003	0.007	0.001	0.007	< 0.003	0.087	< 0.003	0.012
258375	< 3	< 0.003	0.004	< 0.001	0.011	< 0.003	0.013	< 0.003	0.009
258376	< 3	< 0.003	0.005	< 0.001	0.017	< 0.003	0.024	< 0.003	0.011
258377	< 3	< 0.003	0.003	0.001	0.010	< 0.003	0.009	< 0.003	0.008
258378	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
258379	< 3	< 0.003	< 0.003	0.058	0.001	< 0.003	< 0.003	< 0.003	0.002
258380	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	0.002
258381	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258382	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258383	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258384	4	< 0.003	< 0.003	1.14	0.003	0.055	0.004	0.006	0.010
258385	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258386	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258387	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258388	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258389	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258390	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258391	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258392	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258393	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258394	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258395	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258396	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258397	< 3	< 0.003	< 0.003	0.007	< 0.001	0.020	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258398	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258399	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258400	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258401	< 3	< 0.003	0.006	0.001	0.006	< 0.003	0.021	< 0.003	0.011
258402	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258403	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258404	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258405	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258406	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258407	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258408	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258409	< 3	< 0.003	0.005	< 0.001	0.006	< 0.003	0.009	< 0.003	0.011
258410	< 3	< 0.003	0.006	0.001	0.006	< 0.003	0.009	< 0.003	0.012
258411	< 3	< 0.003	0.005	0.004	0.005	< 0.003	0.019	< 0.003	0.008
258412	< 3	< 0.003	< 0.003	0.807	0.004	0.025	0.004	< 0.003	0.012
258413	< 3	< 0.003	0.006	0.004	0.010	< 0.003	0.022	< 0.003	0.010
258414	< 3	< 0.003	0.007	0.011	0.014	< 0.003	0.035	< 0.003	0.013
258415	< 3	< 0.003	0.005	0.002	0.008	< 0.003	0.029	< 0.003	0.010
258416	< 3	< 0.003	0.005	0.001	0.008	< 0.003	0.019	< 0.003	0.011
258417	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258418	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
258419	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	0.004	< 0.003	0.005
258420	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258421	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258422	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.002
258423	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258424	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258425	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258426	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258427	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258428	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258429	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258430	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258431	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258432	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
258433	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258434	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258435	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258436	< 3	< 0.003	< 0.003	0.534	0.003	0.037	0.004	< 0.003	0.007
258437	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258438	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258439	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258440	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258441	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
258442	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258443	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258444	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258445	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258446	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258447	< 3	< 0.003	0.004	0.002	0.005	< 0.003	< 0.003	< 0.003	0.006

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258448	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258449	< 3	< 0.003	0.003	< 0.001	0.010	< 0.003	< 0.003	< 0.003	0.008
258450	< 3	< 0.003	0.004	< 0.001	0.010	< 0.003	< 0.003	< 0.003	0.008
258451	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
258452	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258453	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258454	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258455	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258456	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258457	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.002
258458	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258459	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
258460	< 3	< 0.003	< 0.003	0.629	0.006	0.011	< 0.003	< 0.003	0.015
258461	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258462	< 3	< 0.003	0.004	< 0.001	0.007	< 0.003	< 0.003	< 0.003	0.007
258463	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258464	< 3	< 0.003	< 0.003	0.030	0.003	< 0.003	< 0.003	< 0.003	0.003
258465	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.002
258466	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258467	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
258468	< 3	< 0.003	< 0.003	0.039	0.001	< 0.003	< 0.003	< 0.003	0.002
258469	< 3	< 0.003	< 0.003	0.098	0.001	< 0.003	< 0.003	< 0.003	0.002
258470	< 3	< 0.003	< 0.003	0.062	0.001	< 0.003	< 0.003	< 0.003	0.002
258471	< 3	< 0.003	< 0.003	0.068	0.002	< 0.003	< 0.003	< 0.003	0.002
258472	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258473	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.002
258474	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.002
258475	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.002
258476	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	0.002
258477	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
258478	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.002
258479	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
258480	< 3	< 0.003	< 0.003	0.088	0.002	< 0.003	< 0.003	< 0.003	0.002
258481	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.002
258482	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.002
258483	< 3	< 0.003	< 0.003	0.057	0.001	< 0.003	< 0.003	< 0.003	0.003
258484	< 3	< 0.003	< 0.003	1.07	0.003	0.049	0.005	0.005	0.010
258485	< 3	< 0.003	< 0.003	0.078	0.002	< 0.003	< 0.003	< 0.003	0.003
258486	< 3	< 0.003	< 0.003	0.007	0.003	< 0.003	< 0.003	< 0.003	0.002
258487	< 3	< 0.003	< 0.003	0.008	0.003	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	133		2.05	24.9			45.5		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	130		2.06	24.6			45.3		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	128		2.05	24.9			45.4		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.072	0.983			2.11		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.964			2.13		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.071	0.949			2.09		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.591		0.052	< 0.003		0.006
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.576		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.581		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.009		1.46	0.004	< 0.003	0.011
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.46	0.004	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.43	0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	209	0.057	0.010	0.131				13.4	17.9
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	211	0.058	0.011	0.131				13.1	17.7
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	209	0.057	0.011	0.136				13.6	18.0
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	48	0.053		3.00		0.029		2.09	16.7
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.052		2.90		0.028		2.05	16.3
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	47	0.053		2.99		0.027		2.12	16.7
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.007	6.45				0.015	0.062
OREAS 97 (4 Acid) Meas	20		0.006	6.31				0.015	0.065

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Acid) Cert									
OREAS 97 (4 Acid) Meas	19		0.007	6.49				0.015	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.13				0.016	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	44		0.012	14.8				0.032	0.134
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.013	15.2				0.033	0.140
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.217				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.206				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.212				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.83				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
CZN-4 Meas	52	0.263	0.010	0.419				0.185	55.1
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	52	0.258	0.010	0.399				0.181	55.5
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	49	0.256	0.009	0.401				0.182	53.8
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.03				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium					7.78				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Tetraborate FX-LT 100 lot#220610B Meas									
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	51		0.325	7.42			11.4	0.081	0.205
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	55		0.324	7.80			11.1	0.082	0.211
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	205	0.007	0.031	23.1				0.703	3.02
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	206	0.008	0.032	23.6				0.705	3.04
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	205	0.007	0.031	23.6				0.721	3.06
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.146	0.005	< 0.003	0.035
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.152	0.006	< 0.003	0.036
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.155	0.005	< 0.003	0.037
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
258163 Orig	< 3	< 0.003	0.011	< 0.001	< 0.001	< 0.003	0.114	< 0.003	0.006
258163 Dup	< 3	< 0.003	0.013	< 0.001	< 0.001	< 0.003	0.120	< 0.003	0.006
258176 Orig	< 3	< 0.003	< 0.003	0.004	0.003	0.028	0.017	< 0.003	0.008
258176 Dup	< 3	< 0.003	< 0.003	0.004	0.003	0.030	0.018	< 0.003	0.008
258184 Orig	4	< 0.003	< 0.003	1.12	0.003	0.051	0.006	0.005	0.010
258184 Dup	4	< 0.003	< 0.003	1.12	0.003	0.050	0.006	0.005	0.011
258200 Split PREP DUP	< 3	< 0.003	0.004	0.012	0.002	< 0.003	0.009	< 0.003	0.004
258209 Orig	< 3	< 0.003	0.003	0.003	0.002	< 0.003	0.004	< 0.003	0.005
258209 Dup	< 3	< 0.003	0.003	0.002	0.002	< 0.003	0.004	< 0.003	0.005
258217 Orig	< 3	< 0.003	0.003	0.004	0.002	< 0.003	0.004	< 0.003	0.006
258217 Dup	< 3	< 0.003	0.003	0.004	0.002	< 0.003	0.005	< 0.003	0.005
258242 Orig	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	0.004	< 0.003	0.004
258242 Dup	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	0.004	< 0.003	0.004
258250 Split PREP DUP	< 3	< 0.003	0.003	0.020	0.003	< 0.003	0.003	< 0.003	0.006
258250 Orig	< 3	< 0.003	< 0.003	0.022	0.002	< 0.003	0.005	< 0.003	0.006
258250 Dup	< 3	< 0.003	< 0.003	0.021	0.003	< 0.003	0.005	< 0.003	0.005
258275 Orig	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
258275 Dup	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
258288 Orig	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258288 Dup	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258296 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	0.003	< 0.003	< 0.001
258296 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001







Report No.: A20-15211-Au
Report Date: 11-Jan-21
Date Submitted: 25-Nov-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

337 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Test Name, and Testing Date. Rows include 1A2-Timmins (ppm) and 1A3-Timmins.

REPORT A20-15211-Au

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.03
Method Code	FA-AA	FA- GRA
258151	< 0.005	
258152	< 0.005	
258153	< 0.005	
258154	0.074	
258155	< 0.005	
258156	< 0.005	
258157	< 0.005	
258158	1.861	
258159	< 0.005	
258160	0.177	
258161	0.016	
258162	0.007	
258163	< 0.005	
258164	0.020	
258165	0.015	
258166	0.028	
258167	0.018	
258168	0.009	
258169	< 0.005	
258170	< 0.005	
258171	< 0.005	
258172	< 0.005	
258173	< 0.005	
258174	< 0.005	
258175	< 0.005	
258176	0.136	
258177	3.356	3.05
258178	0.011	
258179	< 0.005	
258180	< 0.005	
258181	< 0.005	
258182	< 0.005	
258183	< 0.005	
258184	1.456	
258185	< 0.005	
258186	< 0.005	
258187	0.009	
258188	< 0.005	
258189	< 0.005	
258190	0.005	
258191	0.012	
258192	0.039	
258193	< 0.005	
258194	0.009	
258195	0.039	
258196	< 0.005	
258197	0.015	
258198	0.062	
258199	0.084	
258200	0.140	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.03
Method Code	FA-AA	FA- GRA
258201	0.059	
258202	0.008	
258203	0.017	
258204	0.020	
258205	0.798	
258206	0.156	
258207	0.009	
258208	0.007	
258209	0.029	
258210	0.370	
258211	0.180	
258212	0.475	
258213	0.012	
258214	< 0.005	
258215	0.060	
258216	0.055	
258217	0.231	
258218	0.046	
258219	0.010	
258220	< 0.005	
258221	< 0.005	
258222	0.011	
258223	< 0.005	
258224	< 0.005	
258225	< 0.005	
258226	0.172	
258227	< 0.005	
258228	< 0.005	
258229	< 0.005	
258230	< 0.005	
258231	0.012	
258232	< 0.005	
258233	< 0.005	
258234	< 0.005	
258235	0.022	
258236	0.680	
258237	< 0.005	
258238	0.010	
258239	0.010	
258240	0.013	
258241	0.009	
258242	0.011	
258243	0.006	
258244	< 0.005	
258245	0.055	
258246	0.042	
258247	0.018	
258248	< 0.005	
258249	0.128	
258250	0.166	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.03
Method Code	FA-AA	FA- GRA
258251	0.324	
258252	0.347	
258253	0.034	
258254	0.029	
258255	0.019	
258256	0.029	
258257	0.029	
258258	0.140	
258259	0.076	
258260	0.188	
258261	0.014	
258262	0.020	
258263	0.012	
258264	0.014	
258265	0.199	
258266	0.007	
258267	0.013	
258268	0.015	
258269	0.043	
258270	0.044	
258271	0.087	
258272	0.006	
258273	0.060	
258274	0.012	
258275	0.009	
258276	0.287	
258277	0.029	
258278	0.054	
258279	0.056	
258280	< 0.005	
258281	0.005	
258282	0.029	
258283	0.016	
258284	1.565	
258285	0.017	
258286	0.100	
258287	0.050	
258288	0.129	
258289	0.021	
258290	< 0.005	
258291	0.020	
258292	< 0.005	
258293	< 0.005	
258294	0.014	
258295	< 0.005	
258296	< 0.005	
258297	0.008	
258298	0.034	
258299	0.013	
258300	0.034	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.03
Method Code	FA-AA	FA- GRA
258301	0.014	
258302	< 0.005	
258303	< 0.005	
258304	0.007	
258305	< 0.005	
258306	< 0.005	
258307	0.010	
258308	< 0.005	
258309	0.010	
258310	0.035	
258311	< 0.005	
258312	0.457	
258313	0.063	
258314	0.054	
258315	0.020	
258316	< 0.005	
258317	< 0.005	
258318	< 0.005	
258319	0.041	
258320	0.060	
258321	0.005	
258322	0.148	
258323	0.103	
258324	< 0.005	
258325	0.017	
258326	0.012	
258327	0.009	
258328	0.007	
258329	< 0.005	
258330	< 0.005	
258331	< 0.005	
258332	< 0.005	
258333	< 0.005	
258334	< 0.005	
258335	< 0.005	
258336	0.636	
258337	0.017	
258338	0.052	
258339	0.015	
258340	0.017	
258341	0.023	
258342	0.505	
258343	0.078	
258344	0.184	
258345	0.216	
258346	0.052	
258347	< 0.005	
258348	< 0.005	
258349	0.023	
258350	0.037	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.03
Method Code	FA-AA	FA- GRA
258351	0.183	
258352	0.180	
258353	1.101	
258354	0.006	
258355	0.078	
258356	0.067	
258357	0.107	
258358	0.065	
258359	0.219	
258360	0.171	
258361	0.018	
258362	< 0.005	
258363	0.020	
258364	0.063	
258365	0.036	
258366	0.010	
258367	0.009	
258368	0.007	
258369	< 0.005	
258370	< 0.005	
258371	< 0.005	
258372	< 0.005	
258373	< 0.005	
258374	< 0.005	
258375	< 0.005	
258376	0.009	
258377	< 0.005	
258378	0.011	
258379	0.085	
258380	0.052	
258381	0.047	
258382	< 0.005	
258383	0.020	
258384	1.474	
258385	0.020	
258386	0.011	
258387	0.027	
258388	0.021	
258389	< 0.005	
258390	< 0.005	
258391	< 0.005	
258392	0.013	
258393	< 0.005	
258394	< 0.005	
258395	0.006	
258396	< 0.005	
258397	0.009	
258398	0.010	
258399	< 0.005	
258400	0.008	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.03
Method Code	FA-AA	FA- GRA
258401	< 0.005	
258402	0.014	
258403	0.014	
258404	0.014	
258405	0.013	
258406	0.015	
258407	0.015	
258408	< 0.005	
258409	0.006	
258410	0.009	
258411	0.007	
258412	0.484	
258413	< 0.005	
258414	< 0.005	
258415	< 0.005	
258416	< 0.005	
258417	< 0.005	
258418	0.010	
258419	< 0.005	
258420	< 0.005	
258421	< 0.005	
258422	< 0.005	
258423	< 0.005	
258424	< 0.005	
258425	0.007	
258426	< 0.005	
258427	0.016	
258428	< 0.005	
258429	< 0.005	
258430	< 0.005	
258431	< 0.005	
258432	< 0.005	
258433	0.012	
258434	0.013	
258435	< 0.005	
258436	0.662	
258437	0.050	
258438	< 0.005	
258439	0.012	
258440	< 0.005	
258441	< 0.005	
258442	0.012	
258443	< 0.005	
258444	< 0.005	
258445	0.017	
258446	0.011	
258447	0.009	
258448	< 0.005	
258449	< 0.005	
258450	< 0.005	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.03
Method Code	FA-AA	FA- GRA
258451	< 0.005	
258452	< 0.005	
258453	< 0.005	
258454	< 0.005	
258455	0.006	
258456	0.038	
258457	0.031	
258458	0.017	
258459	0.005	
258460	0.180	
258461	< 0.005	
258462	0.011	
258463	0.029	
258464	0.041	
258465	0.020	
258466	< 0.005	
258467	0.016	
258468	0.044	
258469	0.169	
258470	0.436	
258471	0.013	
258472	< 0.005	
258473	< 0.005	
258474	0.013	
258475	0.011	
258476	0.141	
258477	0.011	
258478	0.020	
258479	< 0.005	
258480	0.064	
258481	0.036	
258482	< 0.005	
258483	0.057	
258484	1.451	
258485	0.423	
258486	0.028	
258487	0.046	



Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.03
Method Code	FA-AA	FA- GRA
Oreas 237 (fire Assay) Meas	2.274	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.308	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.252	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.275	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.266	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.282	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.281	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.289	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.238	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.302	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.276	
Oreas 237 (fire Assay) Cert	2.21	
OREAS 228b (Fire Assay) Meas		8.33
OREAS 228b (Fire Assay) Cert		8.57
Oreas E1336 (Fire Assay) Meas	0.501	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.505	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.513	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.03
Method Code	FA-AA	FA- GRA
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.505	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.513	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.525	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.523	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.517	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.493	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.503	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.509	
Oreas E1336 (Fire Assay) Cert	0.510	
258161 Orig	0.012	
258161 Dup	0.020	
258170 Orig	< 0.005	
258170 Dup	< 0.005	
258180 Orig	0.005	
258180 Dup	< 0.005	
258195 Orig	0.032	
258195 Dup	0.046	
258200 Split Orig PREP DUP	0.140	
258200 Split PREP DUP	0.129	
258204 Orig	0.016	
258204 Dup	0.024	
258214 Orig	< 0.005	
258214 Dup	< 0.005	
258229 Orig	< 0.005	
258229 Dup	< 0.005	
258239 Orig	0.014	
258239 Dup	0.006	
258249 Orig	0.130	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.03
Method Code	FA-AA	FA- GRA
258249 Dup	0.127	
258250 Split Orig PREP DUP	0.166	
258250 Split PREP DUP	0.148	
258263 Orig	0.011	
258263 Dup	0.012	
258273 Orig	0.061	
258273 Dup	0.059	
258283 Orig	0.017	
258283 Dup	0.015	
258298 Orig	0.040	
258298 Dup	0.027	
258300 Split Orig PREP DUP	0.034	
258300 Split PREP DUP	0.032	
258307 Orig	0.009	
258307 Dup	0.011	
258317 Orig	< 0.005	
258317 Dup	< 0.005	
258332 Orig	< 0.005	
258332 Dup	< 0.005	
258342 Orig	0.470	
258342 Dup	0.540	
258350 Split Orig PREP DUP	0.037	
258350 Split PREP DUP	0.010	
258366 Orig	0.011	
258366 Dup	0.009	
258376 Orig	0.009	
258376 Dup	0.008	
258386 Orig	0.012	
258386 Dup	0.010	
258400 Split Orig PREP DUP	0.008	
258400 Split PREP DUP	0.006	
258400 Orig	0.009	
258400 Dup	0.007	
258410 Orig	0.009	
258410 Dup	0.009	
258420 Orig	0.006	
258420 Dup	< 0.005	
258435 Orig	< 0.005	
258435 Dup	< 0.005	
258445 Orig	0.020	
258445 Dup	0.014	
258450 Split Orig PREP DUP	< 0.005	
258450 Split PREP DUP	0.007	





Report No.: A20-15210-8-4Acid
Report Date: 22-Feb-21
Date Submitted: 25-Nov-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

200 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2021-02-03 22:52:51

REPORT A20-15210-8-4Acid

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258701	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258702	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258703	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258704	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.004
258705	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	0.005	0.015
258706	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258707	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258708	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258709	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258710	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258711	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258712	< 3	< 0.003	< 0.003	0.769	0.002	0.012	0.004	< 0.003	0.010
258713	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258714	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258715	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258716	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258717	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258718	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258719	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258720	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258721	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258722	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258723	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258724	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258725	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258726	< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258727	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258728	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258729	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258730	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258731	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258732	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258733	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258734	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258735	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258736	< 3	< 0.003	< 0.003	0.522	0.002	0.025	0.003	< 0.003	0.007
258737	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.004
258738	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258739	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258740	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258741	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258742	< 3	< 0.003	0.004	0.008	0.004	< 0.003	0.012	< 0.003	0.012
258743	< 3	< 0.003	0.004	0.007	0.003	< 0.003	0.010	< 0.003	0.012
258744	< 3	< 0.003	< 0.003	0.031	0.003	< 0.003	0.009	< 0.003	0.010
258745	< 3	< 0.003	0.004	0.003	0.004	< 0.003	0.011	< 0.003	0.013
258746	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258747	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258748	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258749	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258750	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258751	< 3	< 0.003	0.004	0.013	0.004	< 0.003	0.010	< 0.003	0.013
258752	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	0.005	< 0.003	0.007
258753	< 3	< 0.003	0.004	0.003	0.004	< 0.003	0.011	< 0.003	0.014
258754	< 3	< 0.003	< 0.003	0.070	< 0.001	< 0.003	0.005	< 0.003	0.008
258755	< 3	< 0.003	< 0.003	0.113	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258756	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258757	< 3	< 0.003	0.004	0.011	0.004	< 0.003	0.005	< 0.003	0.010
258758	< 3	< 0.003	0.003	0.002	0.005	< 0.003	0.011	< 0.003	0.014
258759	< 3	< 0.003	0.004	0.005	0.005	< 0.003	0.011	< 0.003	0.014
258760	< 3	< 0.003	< 0.003	0.605	0.004	< 0.003	< 0.003	< 0.003	0.015
258761	< 3	< 0.003	0.004	0.003	0.006	< 0.003	0.010	< 0.003	0.011
258762	< 3	< 0.003	0.004	0.012	0.004	< 0.003	0.010	< 0.003	0.011
258763	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258764	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258765	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258766	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258767	< 3	< 0.003	0.003	0.003	0.005	< 0.003	0.011	< 0.003	0.010
258768	< 3	< 0.003	< 0.003	0.233	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258769	< 3	< 0.003	< 0.003	0.033	0.003	< 0.003	0.003	< 0.003	0.004
258770	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258771	< 3	< 0.003	< 0.003	0.102	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258772	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258773	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258774	< 3	< 0.003	< 0.003	0.097	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258775	< 3	< 0.003	< 0.003	0.092	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258776	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258777	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258778	3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.007
258779	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258780	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.004
258781	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258782	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258783	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258784	4	< 0.003	< 0.003	1.15	0.002	0.048	0.005	0.005	0.010
258785	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.005
258786	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258787	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.004
258788	< 3	< 0.003	< 0.003	0.079	< 0.001	< 0.003	< 0.003	< 0.003	0.004
258789	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.005
258790	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	0.006
258791	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.006
258792	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.005
258793	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258794	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258795	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.007
258796	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258797	< 3	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	< 0.003	0.004
258798	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.004
258799	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258800	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
258801	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	< 0.003	0.002
258802	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.006
258803	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258804	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258805	< 3	< 0.003	0.004	0.013	0.006	< 0.003	0.005	< 0.003	0.011
258806	< 3	< 0.003	0.004	0.008	0.006	< 0.003	0.007	< 0.003	0.014
258807	< 3	< 0.003	0.004	0.014	0.006	< 0.003	0.009	< 0.003	0.014
258808	< 3	< 0.003	0.004	< 0.001	0.005	< 0.003	0.011	< 0.003	0.015
258809	< 3	< 0.003	0.004	0.010	0.006	< 0.003	0.004	< 0.003	0.012
258810	< 3	< 0.003	0.004	0.013	0.006	< 0.003	0.007	< 0.003	0.011
258811	< 3	< 0.003	0.004	0.010	0.006	< 0.003	0.004	< 0.003	0.010
258812	< 3	< 0.003	< 0.003	0.806	0.004	0.023	0.004	< 0.003	0.011
258813	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.001
258814	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.002
258815	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
258816	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
258817	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	0.001
258818	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.002
258819	< 3	< 0.003	0.004	0.026	0.006	< 0.003	0.004	< 0.003	0.020
258820	< 3	< 0.003	0.004	0.006	0.005	< 0.003	0.008	< 0.003	0.024
258821	< 3	< 0.003	0.004	0.008	0.008	< 0.003	0.007	< 0.003	0.015
258822	< 3	< 0.003	0.004	0.001	0.008	< 0.003	0.008	< 0.003	0.015
258823	< 3	< 0.003	0.003	0.048	0.002	< 0.003	< 0.003	< 0.003	0.002
258824	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258825	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258826	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258827	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258828	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258829	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258830	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258831	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258832	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258833	< 3	< 0.003	< 0.003	0.082	0.002	< 0.003	< 0.003	< 0.003	0.002
258834	< 3	< 0.003	< 0.003	0.052	0.001	< 0.003	< 0.003	< 0.003	0.002
258835	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.001
258836	< 3	< 0.003	< 0.003	0.556	0.003	0.035	0.003	< 0.003	0.007
258837	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
258838	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.001
258839	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	0.005	0.001
258840	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
258841	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
258842	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.004
258843	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
258844	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.003
258845	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.004
258846	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
258847	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.070
258848	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258849	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.002
258850	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
258851	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258852	< 3	< 0.003	< 0.003	0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
258853	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
258854	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.003
258855	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258856	< 3	< 0.003	< 0.003	0.122	0.003	< 0.003	< 0.003	< 0.003	0.006
258857	< 3	< 0.003	< 0.003	0.012	0.004	< 0.003	< 0.003	< 0.003	0.004
258858	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.001
258859	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.001
258860	< 3	< 0.003	< 0.003	0.627	0.006	0.011	< 0.003	0.004	0.016
258861	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258862	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258863	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258864	< 3	< 0.003	0.007	0.081	0.004	< 0.003	< 0.003	< 0.003	0.007
258865	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.004
258866	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258867	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258868	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258869	< 3	< 0.003	< 0.003	0.004	0.003	< 0.003	< 0.003	< 0.003	0.006
258870	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.004
258871	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.003
258872	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258873	< 3	< 0.003	< 0.003	0.039	0.001	< 0.003	< 0.003	< 0.003	0.001
258874	< 3	< 0.003	< 0.003	0.007	0.005	< 0.003	0.003	< 0.003	0.006
258875	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
258876	< 3	< 0.003	< 0.003	0.007	0.006	< 0.003	< 0.003	< 0.003	0.005
258877	< 3	< 0.003	< 0.003	0.010	0.008	< 0.003	< 0.003	< 0.003	0.005
258878	< 3	< 0.003	< 0.003	0.008	0.007	< 0.003	< 0.003	< 0.003	0.004
258879	< 3	< 0.003	< 0.003	0.003	0.003	< 0.003	0.003	< 0.003	0.004
258880	< 3	< 0.003	< 0.003	0.050	0.006	< 0.003	0.004	< 0.003	0.007
258881	< 3	< 0.003	< 0.003	0.045	0.001	< 0.003	< 0.003	< 0.003	< 0.001
258882	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.002
258883	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258884	4	< 0.003	< 0.003	1.10	0.003	0.050	0.005	0.006	0.010
258885	< 3	< 0.003	< 0.003	0.118	< 0.001	< 0.003	0.004	< 0.003	0.002
258886	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258887	< 3	< 0.003	0.004	0.029	0.008	< 0.003	0.019	< 0.003	0.007
258888	< 3	< 0.003	0.006	0.030	0.007	< 0.003	0.024	< 0.003	0.007
258889	< 3	< 0.003	0.005	0.003	0.005	< 0.003	0.043	< 0.003	0.007
258890	< 3	< 0.003	0.005	0.002	0.005	< 0.003	0.044	< 0.003	0.007
258891	< 3	< 0.003	0.013	< 0.001	0.001	< 0.003	0.095	< 0.003	0.014
258892	< 3	< 0.003	0.011	0.004	0.001	< 0.003	0.096	< 0.003	0.054
258893	< 3	< 0.003	0.012	0.023	0.006	< 0.003	0.048	< 0.003	0.011
258894	< 3	< 0.003	< 0.003	0.004	0.006	< 0.003	0.021	< 0.003	0.007
258895	< 3	< 0.003	0.003	0.001	0.005	< 0.003	0.022	< 0.003	0.007
258896	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258897	< 3	< 0.003	0.004	< 0.001	0.004	< 0.003	0.018	< 0.003	0.006
258898	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.017	< 0.003	0.005

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258899	< 3	< 0.003	0.005	< 0.001	0.005	< 0.003	0.018	< 0.003	0.006
258900	< 3	< 0.003	0.004	< 0.001	0.004	< 0.003	0.017	< 0.003	0.005

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	126		2.05	23.7			45.6		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.072	0.943			2.12		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.073	0.987			2.15		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.071	0.955			2.10		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.600		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.580		0.054	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.010		1.46	0.004	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.52	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	208	0.057	0.012	0.137				13.3	17.9
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	207	0.056	0.011	0.132				13.2	17.6
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	47	0.050		3.05		0.027		2.03	16.5
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.054		3.10		0.019		2.09	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	20		0.007	6.39				0.016	0.065
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.48				0.013	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	44		0.013	15.0				0.032	0.135
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.013	14.7				0.031	0.131
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.209				
NCS DC86303 Cert					0.210				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86303 Meas					0.219				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.77				
NCS DC86314 Cert					1.81				
CZN-4 Meas	52	0.258	0.010	0.419				0.184	54.1
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	53	0.260	0.009	0.410				0.180	55.8
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.91				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.83				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	52		0.323	7.81			11.3	0.078	0.211
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.316	7.83			11.2	0.079	0.203
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	215	0.007	0.032	23.8				0.705	3.07
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	211	0.008	0.032	23.3				0.712	3.04
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.155	0.006	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.150	0.005	< 0.003	0.037
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
258726 Orig	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258726 Dup	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258734 Orig	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258734 Dup	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258739 Orig	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258739 Dup	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258750 Split	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258761 Orig	< 3	< 0.003	0.004	0.004	0.005	< 0.003	0.010	< 0.003	0.011
258761 Dup	< 3	< 0.003	0.004	0.003	0.006	< 0.003	0.010	< 0.003	0.011
258784 Orig	4	< 0.003	< 0.003	1.14	0.002	0.048	0.004	0.006	0.010
258784 Dup	4	< 0.003	< 0.003	1.16	0.002	0.048	0.005	0.005	0.011
258792 Orig	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.005
258792 Dup	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.005
258800 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
258800 Split PREP DUP	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258801 Orig	< 3	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	< 0.003	0.002
258801 Dup	< 3	< 0.003	< 0.003	0.050	0.001	< 0.003	< 0.003	< 0.003	0.002
258825 Orig	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258825 Dup	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258838 Orig	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.001
258838 Dup	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.001
258850 Split Orig	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
258850 Split	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
258855 Orig	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258855 Dup	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258872 Orig	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258872 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258883 Orig	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258883 Dup	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258896 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258896 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258900 Split Orig PREP DUP	< 3	< 0.003	0.004	< 0.001	0.004	< 0.003	0.017	< 0.003	0.005
258900 Split PREP DUP	< 3	< 0.003	0.003	< 0.001	0.004	< 0.003	0.017	< 0.003	0.005
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-15210-Au  
 Report Date: 07-Jan-21  
 Date Submitted: 25-Nov-20  
 Your Reference: GOS-234

IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

ATTN: Alan Smith

## CERTIFICATE OF ANALYSIS

200 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2020-12-24 13:01:17
1A3-50-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-12-28 16:16:33
1A4 (100mesh)-Timmins	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2020-12-31 13:02:21

REPORT **A20-15210-Au**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
258701	0.124								
258702	0.453								
258703	0.168								
258704	0.179								
258705	0.042								
258706	0.042								
258707	0.046								
258708	0.045								
258709	0.032								
258710	0.023								
258711	0.116								
258712	0.491								
258713	0.173								
258714	0.265								
258715	0.103								
258716	0.076								
258717	0.085								
258718	0.209								
258719	0.104								
258720	0.244								
258721	0.421								
258722	0.122								
258723	0.347								
258724	< 0.005								
258725	0.153								
258726	0.134								
258727	0.165								
258728	0.913								
258729	0.105								
258730	0.042								
258731	0.062								
258732	0.090								
258733	0.101								
258734	0.068								
258735	0.128								
258736	0.659								
258737	0.036								
258738	0.067								
258739	0.119								
258740	0.122								
258741	> 5.000	6.36	3.18	5.72	6.13	5.72	53.16	656.56	709.70
258742	0.008								
258743	0.005								
258744	0.011								
258745	< 0.005								
258746	0.050								
258747	0.547								
258748	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
258749	0.131								
258750	0.089								
258751	0.006								
258752	0.031								
258753	< 0.005								
258754	0.053								
258755	0.160								
258756	0.097								
258757	0.014								
258758	< 0.005								
258759	< 0.005								
258760	0.498								
258761	< 0.005								
258762	0.008								
258763	0.151								
258764	0.078								
258765	0.111								
258766	0.106								
258767	< 0.005								
258768	0.251								
258769	0.079								
258770	0.082								
258771	0.019								
258772	< 0.005								
258773	0.160								
258774	0.247								
258775	0.332								
258776	0.121								
258777	0.365								
258778	0.148								
258779	0.153								
258780	0.185								
258781	0.249								
258782	0.091								
258783	0.078								
258784	1.505								
258785	0.356								
258786	0.225								
258787	0.142								
258788	0.769								
258789	0.299								
258790	0.388								
258791	0.261								
258792	0.054								
258793	0.186								
258794	0.425								
258795	0.231								
258796	< 0.005								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
258797	0.331								
258798	0.021								
258799	0.027								
258800	0.025								
258801	0.094								
258802	0.056								
258803	0.013								
258804	0.036								
258805	0.009								
258806	0.008								
258807	0.008								
258808	0.020								
258809	0.017								
258810	0.018								
258811	0.010								
258812	0.506								
258813	0.029								
258814	0.492								
258815	0.053								
258816	0.044								
258817	0.028								
258818	0.173								
258819	0.048								
258820	< 0.005								
258821	0.007								
258822	< 0.005								
258823	0.326								
258824	< 0.005								
258825	0.039								
258826	0.079								
258827	0.061								
258828	0.369								
258829	0.023								
258830	0.023								
258831	0.019								
258832	0.009								
258833	0.134								
258834	0.164								
258835	0.019								
258836	0.657								
258837	0.017								
258838	0.298								
258839	0.134								
258840	0.005								
258841	0.103								
258842	0.442								
258843	0.338								
258844	0.030								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
258845	0.072								
258846	0.016								
258847	0.406								
258848	< 0.005								
258849	0.197								
258850	1.378								
258851	0.034								
258852	0.026								
258853	0.055								
258854	0.055								
258855	0.045								
258856	2.378								
258857	0.153								
258858	0.034								
258859	0.048								
258860	0.499								
258861	0.028								
258862	0.015								
258863	0.352								
258864	0.401								
258865	0.140								
258866	0.017								
258867	0.132								
258868	0.070								
258869	0.090								
258870	0.020								
258871	0.028								
258872	< 0.005								
258873	0.188								
258874	0.248								
258875	0.025								
258876	0.014								
258877	0.014								
258878	0.005								
258879	0.018								
258880	0.321								
258881	0.155								
258882	0.073								
258883	0.588								
258884	1.493								
258885	0.685								
258886	0.671								
258887	0.049								
258888	0.035								
258889	0.066								
258890	0.032								
258891	0.005								
258892	0.056								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
258893	0.839								
258894	0.067								
258895	0.042								
258896	< 0.005								
258897	0.042								
258898	< 0.005								
258899	0.030								
258900	0.028								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 257 Meas		14.1	14.4	
OREAS 257 Cert		14.18	14.18	
Oreas 237 (fire Assay) Meas	2.284			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.213			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.212			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.297			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.261			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.292			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.265			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.289			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.224			
Oreas 237 (fire Assay) Cert	2.21			
OREAS 228b (Fire Assay) Meas		8.54	8.66	
OREAS 228b (Fire Assay) Cert		8.57	8.57	
Oreas E1336 (Fire Assay) Meas	0.526			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.525			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.507			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.516			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.525			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.508			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.526			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.518			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.513			
Oreas E1336 (Fire Assay) Cert	0.510			
258710 Orig	0.021			
258710 Dup	0.024			
258720 Orig	0.229			
258720 Dup	0.260			
258745 Orig	< 0.005			
258745 Dup	< 0.005			
258750 Split Orig PREP DUP	0.089			
258750 Split PREP DUP	0.097			
258754 Orig	0.055			
258754 Dup	0.051			
258764 Orig	0.079			
258764 Dup	0.077			
258779 Orig	0.168			
258779 Dup	0.138			
258789 Orig	0.310			
258789 Dup	0.288			
258799 Orig	0.026			
258799 Dup	0.029			
258800 Split Orig PREP DUP	0.025			
258800 Split PREP DUP	0.022			
258813 Orig	0.030			
258813 Dup	0.027			
258823 Orig	0.296			
258823 Dup	0.356			
258848 Orig	< 0.005			
258848 Dup	0.006			
258850 Split Orig PREP DUP	1.378			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
258850 Split PREP DUP	1.231			
258857 Orig	0.151			
258857 Dup	0.155			
258867 Orig	0.125			
258867 Dup	0.139			
258882 Orig	0.077			
258882 Dup	0.070			
258892 Orig	0.054			
258892 Dup	0.057			
258900 Split Orig PREP DUP	0.028			
258900 Split PREP DUP	0.009			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank			< 0.03	0.00000
Method Blank			< 0.03	0.00000
Method Blank	< 0.005			
Method Blank	< 0.005			



Report No.: A20-15598-8-4Acid
Report Date: 26-Feb-21
Date Submitted: 04-Dec-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

302 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2021-02-09 22:08:30

REPORT A20-15598-8-4Acid

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Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258901	< 3	< 0.003	0.003	< 0.001	0.005	< 0.003	0.016	< 0.003	0.006
258902	< 3	< 0.003	0.004	< 0.001	0.004	< 0.003	0.020	< 0.003	0.006
258903	< 3	< 0.003	0.005	< 0.001	0.003	< 0.003	0.018	< 0.003	0.005
258904	< 3	< 0.003	0.004	< 0.001	0.004	< 0.003	0.021	< 0.003	0.006
258905	< 3	< 0.003	0.004	< 0.001	0.004	< 0.003	0.018	< 0.003	0.006
258906	< 3	< 0.003	0.003	< 0.001	0.005	< 0.003	0.014	< 0.003	0.006
258907	< 3	< 0.003	0.003	< 0.001	0.004	< 0.003	0.013	< 0.003	0.005
258908	< 3	< 0.003	0.004	< 0.001	0.004	< 0.003	0.014	< 0.003	0.005
258909	< 3	< 0.003	< 0.003	0.002	0.004	< 0.003	0.011	< 0.003	0.005
258910	< 3	< 0.003	< 0.003	0.002	0.004	< 0.003	0.011	< 0.003	0.005
258911	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	0.009	< 0.003	0.005
258912	< 3	< 0.003	< 0.003	0.773	0.004	0.022	< 0.003	< 0.003	0.011
258913	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	0.009	< 0.003	0.005
258914	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.009	< 0.003	0.006
258915	< 3	< 0.003	0.003	0.005	0.002	< 0.003	0.010	< 0.003	0.006
258916	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258917	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258918	< 3	< 0.003	0.003	0.005	0.002	< 0.003	0.008	< 0.003	0.005
258919	< 3	< 0.003	0.003	0.013	0.001	< 0.003	0.008	< 0.003	0.005
258920	< 3	< 0.003	0.003	0.002	0.002	< 0.003	0.006	< 0.003	0.005
258921	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	0.005	< 0.003	0.007
258922	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	0.005	< 0.003	0.005
258923	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.005
258924	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258925	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	0.007	< 0.003	0.006
258926	< 3	< 0.003	0.003	0.005	0.001	< 0.003	0.010	< 0.003	0.006
258927	< 3	< 0.003	0.003	0.004	0.002	< 0.003	0.011	< 0.003	0.006
258928	< 3	< 0.003	0.004	0.004	0.001	< 0.003	0.012	< 0.003	0.006
258929	< 3	< 0.003	0.003	0.018	0.003	< 0.003	0.010	< 0.003	0.006
258930	< 3	< 0.003	0.004	0.011	0.003	< 0.003	0.009	< 0.003	0.006
258931	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	0.008	< 0.003	0.005
258932	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	0.012	< 0.003	0.007
258933	< 3	< 0.003	< 0.003	0.002	0.003	< 0.003	0.006	< 0.003	0.006
258934	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.005
258935	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	0.004	< 0.003	0.005
258936	< 3	< 0.003	< 0.003	0.518	0.003	0.034	< 0.003	< 0.003	0.007
258937	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	0.003	< 0.003	0.005
258938	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.004
258939	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	0.003	< 0.003	0.005
258940	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.005
258941	< 3	< 0.003	0.004	0.002	0.001	< 0.003	0.006	< 0.003	0.007
258942	< 3	< 0.003	0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.005
258943	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.003
258944	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.003
258945	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.003
258946	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.004
258947	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258948	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258949	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.003



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258950	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258951	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.004
258952	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.003
258953	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.003
258954	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.004
258955	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	0.004	< 0.003	0.003
258956	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	0.003	< 0.003	0.004
258957	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.004
258958	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.004
258959	< 3	< 0.003	< 0.003	0.028	0.003	< 0.003	0.004	< 0.003	0.005
258960	< 3	< 0.003	< 0.003	0.605	0.006	0.010	< 0.003	0.003	0.016
258961	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	0.003	< 0.003	0.004
258962	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	0.003	< 0.003	0.004
258963	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.004
258964	< 3	< 0.003	< 0.003	0.035	0.002	< 0.003	< 0.003	< 0.003	0.004
258965	< 3	< 0.003	< 0.003	0.023	0.002	< 0.003	0.003	< 0.003	0.004
258966	< 3	< 0.003	< 0.003	0.011	0.003	< 0.003	0.003	< 0.003	0.004
258967	< 3	< 0.003	< 0.003	0.059	0.002	< 0.003	< 0.003	< 0.003	0.006
258968	< 3	< 0.003	< 0.003	0.067	0.002	< 0.003	< 0.003	< 0.003	0.004
258969	< 3	< 0.003	< 0.003	0.048	0.002	< 0.003	< 0.003	< 0.003	0.004
258970	< 3	< 0.003	0.003	0.049	0.002	< 0.003	< 0.003	< 0.003	0.004
258971	< 3	< 0.003	< 0.003	0.018	0.002	< 0.003	0.003	< 0.003	0.004
258972	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258973	< 3	< 0.003	< 0.003	0.161	0.002	< 0.003	< 0.003	< 0.003	0.013
258974	< 3	< 0.003	< 0.003	0.050	0.001	< 0.003	0.004	< 0.003	0.006
258975	< 3	< 0.003	0.004	0.033	0.002	< 0.003	0.003	< 0.003	0.011
258976	< 3	< 0.003	0.004	0.006	0.002	< 0.003	< 0.003	< 0.003	0.007
258977	< 3	< 0.003	0.003	0.022	0.003	< 0.003	< 0.003	< 0.003	0.006
258978	< 3	< 0.003	< 0.003	0.020	0.003	< 0.003	< 0.003	< 0.003	0.005
258979	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	0.003
258980	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	< 0.003	< 0.003	0.004
258981	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.004
258982	< 3	< 0.003	< 0.003	0.019	0.002	< 0.003	< 0.003	< 0.003	0.004
258983	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.004
258984	3	< 0.003	< 0.003	1.08	0.003	0.051	0.003	0.005	0.010
258985	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.004
258986	< 3	< 0.003	< 0.003	0.027	0.001	< 0.003	< 0.003	< 0.003	0.004
258987	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.003
258988	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258989	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258990	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258991	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258992	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258993	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258994	< 3	< 0.003	0.003	0.017	0.005	< 0.003	< 0.003	< 0.003	0.008
258995	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258996	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258997	< 3	< 0.003	< 0.003	0.116	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258998	< 3	< 0.003	< 0.003	0.093	< 0.001	< 0.003	< 0.003	< 0.003	0.002
258999	< 3	< 0.003	< 0.003	0.226	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn	
Unit Symbol	ppm	%	%	%	%	%	%	%	%	
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001	
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	
259000	< 3	< 0.003	< 0.003	0.299	< 0.001	< 0.003	< 0.003	< 0.003	0.002	
259802	< 3	< 0.003	< 0.003	0.004	0.003	< 0.003	0.006	< 0.003	0.008	
259803	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	0.008	< 0.003	0.009	
259804	< 3	< 0.003	0.004	0.014	0.003	< 0.003	0.004	< 0.003	0.009	
259805	< 3	< 0.003	0.004	0.009	0.003	< 0.003	0.005	< 0.003	0.010	
259806	< 3	< 0.003	0.003	0.006	0.003	< 0.003	0.009	< 0.003	0.009	
259807	< 3	< 0.003	< 0.003	0.004	0.003	< 0.003	0.008	< 0.003	0.009	
259808	< 3	< 0.003	0.003	0.005	0.003	< 0.003	0.007	< 0.003	0.009	
259809	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	0.008	< 0.003	0.009	
259810	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	0.007	< 0.003	0.009	
259811	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	0.007	< 0.003	0.009	
259812	< 3	< 0.003	< 0.003	0.783	0.004	0.022	< 0.003	< 0.003	0.010	
259813	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.001	
259814	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.002	
259815	< 3	< 0.003	< 0.003	0.006	0.003	< 0.003	0.006	< 0.003	0.009	
259816	< 3	< 0.003	0.003	0.003	0.002	< 0.003	0.006	< 0.003	0.010	
259817	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	0.008	< 0.003	0.009	
259818	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	0.002	
259819	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	
259820	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.002	
259821	< 3	< 0.003	< 0.003	0.158	< 0.001	< 0.003	< 0.003	< 0.003	0.002	
259822	< 3	< 0.003	< 0.003	0.126	< 0.001	< 0.003	< 0.003	< 0.003	0.001	
259823	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002	
259824	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	
259825	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.001	
259826	< 3	< 0.003	< 0.003	0.058	< 0.001	< 0.003	< 0.003	< 0.003	0.002	
259827	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	
259828	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	
259829	< 3	< 0.003	< 0.003	0.026	0.002	< 0.003	0.008	< 0.003	0.004	
259830	< 3	< 0.003	< 0.003	0.029	0.002	< 0.003	0.007	< 0.003	0.003	
259831	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	0.001	
259832	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	0.002	
259833	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	
259834	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	
259835	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001	
259836	< 3	< 0.003	< 0.003	0.558	0.003	0.026	0.003	< 0.003	0.007	
259837	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	
259838	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	
259839	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	
259840	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	
259841	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	
259842	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	
259843	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001	
259844	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	
259845	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	
259846	< 3	< 0.003	0.005	< 0.001	0.005	< 0.003	0.043	< 0.003	0.010	
259847	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	0.004	< 0.003	0.002	
259848	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	
259849		7	< 0.003	< 0.003	1.32	0.002	0.009	0.008	< 0.003	0.005

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn	
Unit Symbol	ppm	%	%	%	%	%	%	%	%	
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001	
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	
259850		8	< 0.003	< 0.003	1.54	0.002	0.015	0.008	< 0.003	0.004
259851		< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259852		< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259853		< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259854		< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259855		< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259856		< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259857		< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259858		< 3	< 0.003	< 0.003	0.013	0.003	< 0.003	< 0.003	< 0.003	0.013
259859		< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259860		< 3	< 0.003	< 0.003	0.645	0.006	< 0.003	< 0.003	0.004	0.015
259861		< 3	< 0.003	0.005	0.012	0.004	< 0.003	0.013	< 0.003	0.008
259862		< 3	< 0.003	0.006	0.010	0.003	< 0.003	0.026	< 0.003	0.008
259863		< 3	< 0.003	0.007	0.005	0.003	< 0.003	0.027	< 0.003	0.008
259864		< 3	< 0.003	0.003	0.032	0.003	< 0.003	0.004	< 0.003	0.005
259865		< 3	< 0.003	0.006	0.008	0.005	< 0.003	0.022	< 0.003	0.009
259866		< 3	< 0.003	0.006	0.008	0.005	< 0.003	0.027	< 0.003	0.009
259867		< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259868		< 3	< 0.003	< 0.003	0.102	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259869		< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259870		< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259871		< 3	< 0.003	< 0.003	0.102	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259872		< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259873		< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259874		< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259875		< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259876		< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259877		< 3	< 0.003	< 0.003	0.001	0.008	< 0.003	0.007	< 0.003	0.006
259878		< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259879		< 3	< 0.003	0.004	< 0.001	0.006	< 0.003	0.011	< 0.003	0.011
259880		< 3	< 0.003	0.003	0.037	0.005	< 0.003	0.007	< 0.003	0.007
259881		< 3	< 0.003	0.004	0.072	0.006	< 0.003	0.008	< 0.003	0.008
259882		< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259883		< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259884		4	< 0.003	< 0.003	1.12	0.003	0.045	0.004	0.005	0.011
259885		< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	0.008	< 0.003	0.003
259886		< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259887		< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259888		< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259889		< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259890		< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259891		< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259892		< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259893		< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259894		< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259895		< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259896		< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259897		< 3	< 0.003	< 0.003	0.035	0.002	< 0.003	< 0.003	< 0.003	0.004
259898		< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.001
259899		< 3	< 0.003	< 0.003	0.060	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259900	< 3	< 0.003	< 0.003	0.246	0.002	< 0.003	< 0.003	< 0.003	0.001
259901	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	< 0.001
259902	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	0.001
259903	< 3	< 0.003	< 0.003	0.100	0.003	< 0.003	< 0.003	< 0.003	0.002
259904	< 3	< 0.003	< 0.003	0.229	0.003	< 0.003	< 0.003	< 0.003	0.003
259905	< 3	< 0.003	< 0.003	0.094	0.003	< 0.003	< 0.003	0.005	0.002
259906	< 3	< 0.003	< 0.003	0.044	0.002	< 0.003	< 0.003	< 0.003	0.001
259907	< 3	< 0.003	< 0.003	0.053	0.001	< 0.003	< 0.003	< 0.003	0.001
259908	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259909	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259910	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259911	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259912	< 3	< 0.003	< 0.003	0.813	0.004	0.015	0.004	< 0.003	0.011
259913	< 3	< 0.003	< 0.003	0.065	0.004	< 0.003	< 0.003	< 0.003	0.003
259914	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259915	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259916	< 3	< 0.003	< 0.003	0.131	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259917	< 3	< 0.003	< 0.003	0.173	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259918	< 3	< 0.003	< 0.003	0.079	0.001	< 0.003	< 0.003	< 0.003	< 0.001
259919	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.001
259920	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.001
259921	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	0.001
259922	< 3	< 0.003	< 0.003	0.026	0.002	< 0.003	< 0.003	< 0.003	0.001
259923	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.001
259924	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259925	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.001
259926	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
259927	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259928	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259929	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259930	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259931	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259932	< 3	< 0.003	0.004	0.011	0.004	< 0.003	< 0.003	< 0.003	0.008
259933	< 3	< 0.003	0.004	0.008	0.005	< 0.003	< 0.003	< 0.003	0.006
259934	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.002
259935	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.003
259936	< 3	< 0.003	< 0.003	0.508	0.003	0.035	0.004	< 0.003	0.007
259937	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259938	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259939	< 3	< 0.003	< 0.003	0.007	0.003	< 0.003	< 0.003	< 0.003	0.003
259940	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259941	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259942	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259943	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259944	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259945	< 3	< 0.003	< 0.003	0.069	0.001	< 0.003	< 0.003	< 0.003	0.004
259946	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259947	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259948	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.006

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259949	< 3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259950	< 3	< 0.003	< 0.003	0.087	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259951	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259952	< 3	< 0.003	< 0.003	0.069	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259953	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259954	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259955	< 3	< 0.003	0.003	0.030	0.006	< 0.003	0.003	< 0.003	0.006
259956	< 3	< 0.003	0.004	0.002	0.006	< 0.003	0.006	< 0.003	0.009
259957	< 3	< 0.003	< 0.003	0.064	0.002	< 0.003	< 0.003	< 0.003	0.004
259958	< 3	< 0.003	< 0.003	0.120	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259959	< 3	< 0.003	0.004	0.025	0.009	< 0.003	0.006	< 0.003	0.010
259960	< 3	< 0.003	< 0.003	0.607	0.006	0.011	< 0.003	< 0.003	0.016
259961	< 3	< 0.003	0.004	0.011	0.009	< 0.003	0.007	< 0.003	0.012
259962	< 3	< 0.003	0.005	0.014	0.007	< 0.003	0.003	< 0.003	0.005
259963	< 3	< 0.003	0.004	0.010	0.006	< 0.003	0.003	< 0.003	0.005
259964	< 3	< 0.003	0.004	0.006	0.009	< 0.003	0.006	< 0.003	0.009
259965	< 3	< 0.003	< 0.003	0.053	0.002	0.011	< 0.003	< 0.003	0.002
259966	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.002
259967	< 3	< 0.003	< 0.003	0.093	0.001	< 0.003	< 0.003	< 0.003	0.001
259968	< 3	< 0.003	< 0.003	0.110	0.001	< 0.003	< 0.003	< 0.003	0.001
259969	< 3	< 0.003	0.003	0.002	0.008	< 0.003	0.006	< 0.003	0.009
259970	< 3	< 0.003	0.004	0.002	0.008	< 0.003	0.007	< 0.003	0.008
259971	< 3	< 0.003	0.004	0.002	0.013	< 0.003	0.007	< 0.003	0.009
259972	< 3	< 0.003	0.004	< 0.001	0.008	< 0.003	0.007	< 0.003	0.007
259973	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259974	< 3	< 0.003	0.004	0.001	0.009	< 0.003	0.007	< 0.003	0.008
259975	< 3	< 0.003	0.004	0.002	0.008	< 0.003	0.006	< 0.003	0.007
259976	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259977	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259978	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259979	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259980	< 3	< 0.003	< 0.003	0.063	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259981	< 3	< 0.003	< 0.003	0.049	0.003	< 0.003	< 0.003	< 0.003	0.002
259982	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259983	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259984	5	< 0.003	< 0.003	1.09	0.003	0.044	0.005	0.005	0.011
259985	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259986	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259987	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259988	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259989	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259990	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259991	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259992	< 3	< 0.003	< 0.003	0.135	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259993	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259994	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259995	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259996	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
259997	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
259998	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
259999	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260000	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258488	< 3	< 0.003	< 0.003	0.091	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258489	< 3	< 0.003	< 0.003	0.086	0.001	< 0.003	< 0.003	< 0.003	0.003
258490	< 3	< 0.003	< 0.003	0.066	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	133		2.04	25.2			46.8		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	134		2.14	25.0			46.3		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	132		2.08	24.8			45.6		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.075	1.01			2.16		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.970			2.10		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.609		0.053	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.572		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.589		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.567		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.009		1.49	0.004	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.47	0.003	< 0.003	0.006
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.43	< 0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	208	0.059	0.011	0.137				13.3	18.0
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	218	0.058	0.012	0.141				13.5	18.2
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	210	0.056	0.011	0.133				13.6	17.7
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	216	0.056	0.010	0.133				13.5	18.1
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	48	0.051		3.05		0.029		2.07	16.4
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	47	0.051		2.92		0.018		2.04	16.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	49	0.052		3.00		0.028		2.12	16.7
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 97 (4 Acid) Meas	19		0.007	6.51				0.017	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.05				0.017	0.060
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.49				0.014	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.006	6.42				0.013	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	44		0.012	14.6				0.034	0.133
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.7				0.031	0.135
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.013	14.7				0.033	0.131
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.012	14.9				0.035	0.134
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.215				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.213				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.215				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.210				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.83				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.85				
NCS DC86314 Cert					1.81				
NCS DC86314					1.81				



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Meas									
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
CZN-4 Meas	49	0.264	0.009	0.417				0.187	55.9
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.254	0.010	0.422				0.187	53.6
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.249	0.010	0.401				0.185	55.7
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	52	0.253	0.009	0.416				0.187	55.3
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.97				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.96				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.80				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.91				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	53		0.305	7.82			11.3	0.085	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.319	8.01			10.9	0.078	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	50		0.314	7.63			10.7	0.077	0.203
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.322	7.74			11.1	0.085	0.205
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	205	0.008	0.030	22.6				0.752	2.98

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	203	0.007	0.032	22.8				0.714	3.04
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	204	0.007	0.032	22.5				0.719	2.99
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	213	0.007	0.031	23.6				0.722	3.05
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	4.13				0.011	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 352 4-Acid Meas	9	0.005		0.062				51.9	2.20
OREAS 352 4-Acid Cert	9	0.006		0.064				51.9	2.21
OREAS 352 4-Acid Meas	7	0.005		0.061				51.9	2.17
OREAS 352 4-Acid Cert	9	0.006		0.064				51.9	2.21
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.140	0.006	< 0.003	0.039
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.155	0.006	< 0.003	0.036
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.149	0.006	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.155	0.005	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
258913 Orig	< 3	< 0.003	0.003	< 0.001	0.002	< 0.003	0.010	< 0.003	0.005
258913 Dup	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	0.009	< 0.003	0.005
258926 Orig	< 3	< 0.003	0.003	0.005	0.001	< 0.003	0.010	< 0.003	0.005
258926 Dup	< 3	< 0.003	0.003	0.004	0.001	< 0.003	0.010	< 0.003	0.006
258934 Orig	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.006
258934 Dup	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.005
258950 Split PREP DUP	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.003
258959 Orig	< 3	< 0.003	< 0.003	0.028	0.003	< 0.003	0.004	< 0.003	0.005
258959 Dup	< 3	< 0.003	< 0.003	0.028	0.003	< 0.003	0.003	< 0.003	0.005
258967 Orig	< 3	< 0.003	< 0.003	0.058	0.002	< 0.003	< 0.003	< 0.003	0.006
258967 Dup	< 3	< 0.003	< 0.003	0.059	0.002	< 0.003	0.003	< 0.003	0.006
258992 Orig	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258992 Dup	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	0.004	< 0.003	< 0.001
259000 Split PREP DUP	< 3	< 0.003	< 0.003	0.299	< 0.001	< 0.003	< 0.003	< 0.003	0.003
259000 Orig	< 3	< 0.003	< 0.003	0.287	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259000 Dup	< 3	< 0.003	< 0.003	0.311	< 0.001	< 0.003	< 0.003	< 0.003	0.002
259826 Orig	< 3	< 0.003	< 0.003	0.058	0.002	< 0.003	< 0.003	< 0.003	0.001





Report No.: A20-15598-Au
Report Date: 04-Jan-21
Date Submitted: 04-Dec-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

302 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2-Timmins (ppm) | GOP AA-Au (Au - Fire Assay AA) | 2020-12-31 10:34:02

REPORT A20-15598-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

[Handwritten signature]

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
258901	0.005
258902	0.035
258903	0.008
258904	0.016
258905	0.009
258906	0.011
258907	0.013
258908	< 0.005
258909	1.473
258910	0.951
258911	0.025
258912	0.522
258913	0.011
258914	0.040
258915	0.036
258916	0.165
258917	0.061
258918	0.006
258919	0.012
258920	0.026
258921	0.006
258922	0.008
258923	0.006
258924	0.005
258925	0.034
258926	0.015
258927	0.011
258928	0.026
258929	0.032
258930	0.012
258931	0.009
258932	0.016
258933	0.008
258934	0.009
258935	0.016
258936	0.677
258937	0.007
258938	0.008
258939	0.010
258940	0.026
258941	0.008
258942	0.022
258943	0.018
258944	0.026
258945	0.012
258946	0.018
258947	0.011
258948	< 0.005
258949	0.007
258950	0.020
258951	0.028

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
258952	0.009
258953	0.146
258954	0.034
258955	0.008
258956	0.041
258957	0.036
258958	0.024
258959	1.172
258960	0.164
258961	0.192
258962	0.031
258963	0.113
258964	0.213
258965	0.510
258966	0.170
258967	0.251
258968	0.278
258969	0.414
258970	0.305
258971	0.119
258972	0.005
258973	0.858
258974	0.124
258975	0.075
258976	< 0.005
258977	0.044
258978	0.020
258979	0.032
258980	0.007
258981	0.012
258982	0.050
258983	0.051
258984	1.542
258985	0.055
258986	0.041
258987	0.021
258988	0.019
258989	0.062
258990	0.050
258991	0.166
258992	0.030
258993	0.026
258994	< 0.005
258995	0.165
258996	< 0.005
258997	0.189
258998	0.129
258999	0.454
259000	0.395
259802	0.023
259803	0.068

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
259804	0.014
259805	< 0.005
259806	0.008
259807	0.042
259808	0.050
259809	< 0.005
259810	< 0.005
259811	0.005
259812	0.500
259813	0.042
259814	0.056
259815	< 0.005
259816	< 0.005
259817	0.015
259818	0.057
259819	0.049
259820	0.142
259821	0.269
259822	0.181
259823	0.019
259824	< 0.005
259825	0.061
259826	0.097
259827	0.148
259828	0.012
259829	0.019
259830	0.017
259831	0.212
259832	0.133
259833	0.021
259834	0.014
259835	0.006
259836	0.682
259837	0.030
259838	0.026
259839	0.035
259840	0.019
259841	< 0.005
259842	0.009
259843	< 0.005
259844	< 0.005
259845	0.026
259846	< 0.005
259847	0.031
259848	< 0.005
259849	1.907
259850	2.025
259851	0.044
259852	0.068
259853	0.066
259854	0.030

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
259855	0.045
259856	0.057
259857	0.016
259858	0.014
259859	0.016
259860	0.177
259861	0.006
259862	< 0.005
259863	0.006
259864	0.030
259865	0.014
259866	0.013
259867	0.061
259868	0.150
259869	0.123
259870	0.097
259871	0.177
259872	< 0.005
259873	0.025
259874	0.017
259875	0.024
259876	0.148
259877	0.010
259878	0.047
259879	0.012
259880	0.045
259881	0.064
259882	0.076
259883	0.026
259884	1.536
259885	0.014
259886	0.039
259887	0.038
259888	0.058
259889	0.052
259890	0.051
259891	0.074
259892	0.031
259893	0.019
259894	0.015
259895	0.019
259896	< 0.005
259897	0.044
259898	0.025
259899	0.050
259900	0.154
259901	< 0.005
259902	0.018
259903	0.157
259904	0.145
259905	0.237



Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
259906	0.080
259907	0.059
259908	0.005
259909	0.028
259910	0.025
259911	0.057
259912	0.521
259913	0.100
259914	0.022
259915	0.164
259916	0.113
259917	0.204
259918	0.119
259919	0.038
259920	0.031
259921	0.026
259922	0.054
259923	< 0.005
259924	< 0.005
259925	0.121
259926	< 0.005
259927	0.017
259928	< 0.005
259929	< 0.005
259930	< 0.005
259931	0.006
259932	0.007
259933	0.007
259934	< 0.005
259935	0.009
259936	0.678
259937	< 0.005
259938	0.147
259939	< 0.005
259940	< 0.005
259941	0.005
259942	0.081
259943	0.105
259944	0.052
259945	0.061
259946	0.027
259947	0.085
259948	< 0.005
259949	0.169
259950	0.142
259951	0.018
259952	0.045
259953	< 0.005
259954	0.005
259955	0.015
259956	< 0.005

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
259957	0.072
259958	0.065
259959	0.026
259960	0.184
259961	0.023
259962	0.012
259963	0.011
259964	< 0.005
259965	0.233
259966	0.016
259967	0.012
259968	0.022
259969	< 0.005
259970	0.005
259971	< 0.005
259972	< 0.005
259973	0.006
259974	< 0.005
259975	0.009
259976	0.012
259977	0.072
259978	0.020
259979	0.009
259980	0.073
259981	0.050
259982	0.009
259983	< 0.005
259984	1.567
259985	0.083
259986	0.102
259987	0.020
259988	0.147
259989	0.046
259990	0.080
259991	0.118
259992	0.193
259993	0.034
259994	0.024
259995	0.057
259996	< 0.005
259997	0.062
259998	0.607
259999	1.147
260000	0.036
258488	0.069
258489	0.072
258490	0.063

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
Oreas 237 (fire Assay) Meas	2.286
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.292
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.233
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.185
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.104
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.243
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.152
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.247
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.201
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.245
Oreas 237 (fire Assay) Cert	2.21
Oreas E1336 (Fire Assay) Meas	0.516
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.519
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.509
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.528
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.510

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.526
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.517
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.516
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.495
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.522
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.526
Oreas E1336 (Fire Assay) Cert	0.510
258920 Orig	0.022
258920 Dup	0.030
258930 Orig	0.011
258930 Dup	0.013
258945 Orig	0.015
258945 Dup	0.009
258950 Split Orig PREP DUP	0.020
258950 Split PREP DUP	0.024
258954 Orig	0.024
258954 Dup	0.044
258964 Orig	0.232
258964 Dup	0.195
258979 Orig	0.029
258979 Dup	0.034
258989 Orig	0.066
258989 Dup	0.058
258999 Orig	0.449
258999 Dup	0.459
259000 Split Orig PREP DUP	0.395
259000 Split PREP DUP	0.416
259814 Orig	0.055
259814 Dup	0.057
259824 Orig	< 0.005
259824 Dup	0.006
259834 Orig	0.015

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
259834 Dup	0.014
259849 Orig	2.032
259849 Dup	1.781
259851 Split Orig PREP DUP	0.044
259851 Split PREP DUP	0.059
259858 Orig	0.014
259858 Dup	0.015
259883 Orig	0.029
259883 Dup	0.024
259893 Orig	0.019
259893 Dup	0.018
259901 Split Orig PREP DUP	< 0.005
259901 Split PREP DUP	0.009
259902 Orig	0.015
259902 Dup	0.021
259917 Orig	0.196
259917 Dup	0.212
259937 Orig	< 0.005
259937 Dup	0.018
259951 Split Orig PREP DUP	0.018
259951 Split PREP DUP	0.010
259951 Orig	0.021
259951 Dup	0.014
259971 Orig	< 0.005
259971 Dup	< 0.005
259986 Orig	0.101
259986 Dup	0.102
258488 Split Orig PREP DUP	0.069
258488 Split PREP DUP	0.075
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005



Report No.: A20-15608-8-4Acid
Report Date: 08-Mar-21
Date Submitted: 04-Dec-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

310 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2021-02-25 13:27:59

REPORT A20-15608-8-4Acid

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Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
258491	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258492	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258493	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258494	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258495	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258496	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
258497	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258498	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
258499	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.003
258500	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
261001	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
261002	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.004
261003	< 3	< 0.003	< 0.003	0.071	0.001	< 0.003	< 0.003	< 0.003	0.002
261004	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.003
261005	16	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	0.006	0.022
261006	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.011
261007	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.006
261008	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	0.005
261009	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261010	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
261011	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.002
261012	< 3	< 0.003	< 0.003	0.778	0.004	0.013	0.005	< 0.003	0.010
261013	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
261014	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.001
261015	< 3	< 0.003	< 0.003	0.050	0.002	< 0.003	< 0.003	< 0.003	0.003
261016	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261017	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.001
261018	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261019	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261020	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261021	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261022	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261023	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261024	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261025	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261026	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261027	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261028	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261029	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261030	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261031	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261032	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261033	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261034	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261035	< 3	< 0.003	< 0.003	0.022	0.002	< 0.003	< 0.003	< 0.003	0.002
261036	< 3	< 0.003	< 0.003	0.518	0.004	0.027	0.003	< 0.003	0.007
261037	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261038	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261039	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	0.005	0.005



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261040	< 3	< 0.003	< 0.003	0.091	0.001	< 0.003	< 0.003	0.005	0.031
261041	< 3	< 0.003	< 0.003	0.134	0.001	< 0.003	< 0.003	< 0.003	0.001
261042	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261043	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261044	3	< 0.003	< 0.003	0.107	0.001	< 0.003	< 0.003	< 0.003	0.002
261045	< 3	< 0.003	< 0.003	0.096	0.001	< 0.003	< 0.003	0.003	0.003
261046	< 3	< 0.003	< 0.003	0.073	0.001	< 0.003	< 0.003	< 0.003	0.002
261047	< 3	< 0.003	< 0.003	0.105	0.001	< 0.003	< 0.003	< 0.003	0.002
261048	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261049	3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261050	< 3	< 0.003	< 0.003	0.086	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261051	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261052	< 3	< 0.003	< 0.003	0.057	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261053	< 3	< 0.003	< 0.003	0.135	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261054	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261055	< 3	< 0.003	< 0.003	0.122	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261056	< 3	< 0.003	< 0.003	0.086	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261057	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261058	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261059	< 3	< 0.003	< 0.003	0.094	0.001	< 0.003	< 0.003	< 0.003	0.002
261060	< 3	< 0.003	< 0.003	0.591	0.006	< 0.003	< 0.003	< 0.003	0.016
261061	< 3	< 0.003	< 0.003	0.060	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261062	< 3	< 0.003	< 0.003	0.052	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261063	< 3	< 0.003	< 0.003	0.053	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261064	< 3	< 0.003	< 0.003	0.061	0.001	< 0.003	< 0.003	< 0.003	0.002
261065	< 3	< 0.003	< 0.003	0.044	0.001	< 0.003	< 0.003	< 0.003	0.002
261066	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.002
261067	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261068	< 3	< 0.003	< 0.003	0.123	0.001	< 0.003	< 0.003	< 0.003	0.001
261069	< 3	< 0.003	< 0.003	0.126	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261070	< 3	< 0.003	< 0.003	0.117	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261071	< 3	< 0.003	< 0.003	0.077	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261072	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261073	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261074	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261075	< 3	< 0.003	< 0.003	0.094	0.002	< 0.003	< 0.003	< 0.003	0.001
261076	< 3	< 0.003	< 0.003	0.071	0.001	< 0.003	< 0.003	< 0.003	0.001
261077	< 3	< 0.003	< 0.003	0.078	0.001	< 0.003	< 0.003	< 0.003	0.002
261078	< 3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	0.001
261079	< 3	< 0.003	< 0.003	0.055	0.001	< 0.003	< 0.003	< 0.003	0.001
261080	< 3	< 0.003	< 0.003	0.048	0.001	< 0.003	< 0.003	< 0.003	0.001
261081	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.001
261082	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	0.001
261083	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261084	4	< 0.003	< 0.003	1.13	0.003	0.041	0.005	0.007	0.010
261085	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.001
261086	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261087	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.001
261088	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261089	4	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261090	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261091	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
261092	3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261093	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.004
261094	< 3	< 0.003	< 0.003	0.102	0.002	< 0.003	< 0.003	< 0.003	0.004
261095	< 3	< 0.003	< 0.003	0.067	0.001	< 0.003	< 0.003	< 0.003	0.004
261096	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261097	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.003
261098	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.001
261099	3	< 0.003	< 0.003	0.042	0.002	< 0.003	< 0.003	< 0.003	0.002
261100	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.001
261101	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261102	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.001
261103	< 3	< 0.003	< 0.003	0.084	0.001	< 0.003	< 0.003	< 0.003	0.003
261104	< 3	< 0.003	< 0.003	0.059	0.001	< 0.003	< 0.003	< 0.003	0.006
261105	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	0.003
261106	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	0.003
261107	< 3	< 0.003	< 0.003	0.091	0.001	< 0.003	< 0.003	< 0.003	0.002
261108	< 3	< 0.003	< 0.003	0.092	0.001	< 0.003	< 0.003	< 0.003	0.001
261109	< 3	< 0.003	< 0.003	0.192	0.001	< 0.003	< 0.003	< 0.003	0.002
261110	< 3	< 0.003	< 0.003	0.087	0.001	< 0.003	< 0.003	< 0.003	0.002
261111	< 3	< 0.003	< 0.003	0.220	0.001	< 0.003	< 0.003	< 0.003	0.004
261112	< 3	< 0.003	< 0.003	0.784	0.004	0.023	0.004	< 0.003	0.012
261113	< 3	< 0.003	< 0.003	0.046	0.001	< 0.003	< 0.003	< 0.003	0.002
261114	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.004
261115	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261116	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261117	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261118	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261119	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261120	< 3	< 0.003	< 0.003	0.020	0.002	< 0.003	0.005	< 0.003	0.003
261121	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261122	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261123	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261124	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
261125	3	< 0.003	< 0.003	0.415	0.001	< 0.003	< 0.003	< 0.003	0.006
261126	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261127	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261128	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261129	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.023
261130	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.026
261131	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	0.003	0.025
261132	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261133	< 3	< 0.003	< 0.003	0.110	< 0.001	< 0.003	< 0.003	< 0.003	0.003
261134	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	0.007	0.002
261135	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.003
261136	< 3	< 0.003	< 0.003	0.513	0.003	0.033	0.003	< 0.003	0.007
261137	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.009
261138	< 3	< 0.003	< 0.003	0.080	0.001	< 0.003	< 0.003	0.005	0.052

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261139	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	0.005	0.026
261140	3	< 0.003	< 0.003	0.026	0.002	< 0.003	< 0.003	0.013	0.070
261141	< 3	< 0.003	< 0.003	0.040	0.001	< 0.003	< 0.003	< 0.003	0.005
261142	3	< 0.003	< 0.003	0.066	0.001	< 0.003	< 0.003	0.006	0.016
261143	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	0.009	0.225
261144	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.077
261145	< 3	< 0.003	< 0.003	0.065	0.001	< 0.003	< 0.003	0.009	0.047
261146	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.012
261147	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261148	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261149	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261150	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261151	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.002
261152	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.002
261153	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.005
261154	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.003
261155	< 3	< 0.003	< 0.003	0.079	0.001	< 0.003	< 0.003	< 0.003	0.004
261156	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.002
261157	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
261158	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
261159	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.001
261160	< 3	< 0.003	< 0.003	0.630	0.006	0.011	< 0.003	0.003	0.016
261161	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.003
261162	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.002
261163	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.003
261164	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.002
261165	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.004
261166	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.012
261167	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.038
261168	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.007
261169	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.003
261170	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.004
261171	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	< 0.003	0.037
261172	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261173	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	0.009	0.183
261174	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.016
261175	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	0.002
261176	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
261177	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.001
261178	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
261179	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.002
261180	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.002
261181	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.002
261182	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
261183	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.002
261184	4	< 0.003	< 0.003	1.11	0.003	0.051	0.005	0.006	0.011
261185	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.001
261186	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
261187	< 3	< 0.003	< 0.003	0.020	0.002	< 0.003	< 0.003	< 0.003	0.003
261188	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.006

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261189	< 3	< 0.003	< 0.003	0.014	0.005	< 0.003	0.003	< 0.003	0.005
261190	< 3	< 0.003	< 0.003	0.011	0.005	< 0.003	< 0.003	< 0.003	0.006
261191	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.002
261192	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.002
261193	< 3	< 0.003	< 0.003	0.066	0.002	< 0.003	< 0.003	< 0.003	0.018
261194	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.002
261195	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.004
261196	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261197	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.002
261198	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261199	< 3	< 0.003	< 0.003	0.059	0.002	< 0.003	< 0.003	< 0.003	0.003
261200	< 3	< 0.003	< 0.003	0.119	0.002	< 0.003	< 0.003	0.005	0.022
261201	< 3	< 0.003	< 0.003	0.014	0.003	< 0.003	< 0.003	0.008	0.025
261202	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	< 0.003	0.007	0.008
261203	4	< 0.003	< 0.003	0.285	0.002	< 0.003	< 0.003	0.004	0.007
261204	3	< 0.003	< 0.003	0.041	0.003	< 0.003	0.004	0.006	0.112
261205	3	< 0.003	< 0.003	0.279	0.002	< 0.003	< 0.003	0.129	0.418
261206	< 3	< 0.003	< 0.003	0.049	0.001	< 0.003	< 0.003	0.077	0.281
261207	< 3	< 0.003	< 0.003	0.059	0.002	< 0.003	< 0.003	< 0.003	0.004
261208	< 3	< 0.003	< 0.003	0.078	0.001	< 0.003	< 0.003	< 0.003	0.002
261209	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.002
261210	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261211	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261212	< 3	< 0.003	< 0.003	0.782	0.004	0.022	0.004	< 0.003	0.011
261213	< 3	< 0.003	< 0.003	0.027	0.001	< 0.003	< 0.003	0.006	0.020
261214	< 3	< 0.003	< 0.003	0.053	0.001	< 0.003	< 0.003	0.007	0.009
261215	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	0.008	0.020	0.026
261216	< 3	< 0.003	< 0.003	0.027	0.002	< 0.003	0.003	< 0.003	0.003
261217	< 3	< 0.003	< 0.003	0.023	0.003	< 0.003	< 0.003	< 0.003	0.004
261218	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.006
261219	< 3	< 0.003	< 0.003	0.063	0.001	< 0.003	< 0.003	< 0.003	0.004
261220	< 3	< 0.003	< 0.003	0.124	< 0.001	< 0.003	< 0.003	< 0.003	0.003
261221	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	0.003
261222	< 3	< 0.003	0.005	0.024	0.004	< 0.003	0.070	< 0.003	0.009
261223	< 3	< 0.003	0.007	0.020	0.002	< 0.003	0.101	< 0.003	0.008
261224	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261225	< 3	< 0.003	0.005	0.017	0.009	< 0.003	0.049	< 0.003	0.010
261226	< 3	< 0.003	0.004	0.004	0.008	< 0.003	0.022	< 0.003	0.010
261227	< 3	< 0.003	0.004	0.007	0.004	< 0.003	0.018	< 0.003	0.007
261228	< 3	< 0.003	0.003	0.020	0.005	< 0.003	0.014	< 0.003	0.006
261229	< 3	< 0.003	0.005	0.004	0.004	< 0.003	0.022	< 0.003	0.005
261230	< 3	< 0.003	0.004	0.006	0.004	< 0.003	0.022	< 0.003	0.006
261231	< 3	< 0.003	0.004	0.003	0.003	< 0.003	0.025	< 0.003	0.006
261232	< 3	< 0.003	0.004	0.065	0.004	< 0.003	0.017	< 0.003	0.007
261233	< 3	< 0.003	0.004	0.012	0.004	< 0.003	0.019	< 0.003	0.014
261234	< 3	< 0.003	0.004	0.006	0.004	< 0.003	0.020	< 0.003	0.007
261235	< 3	< 0.003	0.004	0.048	0.004	< 0.003	0.017	< 0.003	0.006
261236	< 3	< 0.003	< 0.003	0.521	0.004	0.031	0.003	< 0.003	0.007
261237	< 3	< 0.003	0.004	0.013	0.004	< 0.003	0.019	< 0.003	0.009

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261238	< 3	< 0.003	0.003	0.006	0.007	< 0.003	0.017	< 0.003	0.014
261239	< 3	< 0.003	< 0.003	0.007	0.005	< 0.003	0.009	< 0.003	0.015
261240	< 3	< 0.003	0.003	0.004	0.006	< 0.003	0.018	< 0.003	0.012
261241	< 3	< 0.003	0.005	0.001	0.009	< 0.003	0.014	< 0.003	0.012
261242	< 3	< 0.003	0.004	< 0.001	0.006	< 0.003	0.016	< 0.003	0.013
261243	< 3	< 0.003	< 0.003	0.034	0.009	< 0.003	0.013	< 0.003	0.009
261244	< 3	< 0.003	0.004	< 0.001	0.008	< 0.003	0.013	< 0.003	0.009
261245	< 3	< 0.003	0.005	0.010	0.007	< 0.003	0.013	< 0.003	0.009
261246	< 3	< 0.003	0.003	< 0.001	0.007	< 0.003	0.013	< 0.003	0.009
261247	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261248	< 3	< 0.003	0.004	0.004	0.006	< 0.003	0.011	< 0.003	0.008
261249	< 3	< 0.003	0.003	0.006	0.008	< 0.003	0.008	< 0.003	0.006
261250	< 3	< 0.003	0.003	0.008	0.008	< 0.003	0.008	< 0.003	0.007
261251	< 3	< 0.003	0.004	0.023	0.005	< 0.003	0.007	< 0.003	0.007
261252	< 3	< 0.003	0.005	0.199	0.004	< 0.003	0.005	0.003	0.016
261253	< 3	< 0.003	0.004	0.090	0.003	< 0.003	0.005	< 0.003	0.005
261254	< 3	< 0.003	0.003	0.004	0.002	< 0.003	0.005	< 0.003	0.005
261255	< 3	< 0.003	0.003	0.004	0.003	< 0.003	0.009	< 0.003	0.005
261256	< 3	< 0.003	0.003	0.005	0.002	< 0.003	0.006	< 0.003	0.004
261257	< 3	< 0.003	0.003	0.010	0.002	< 0.003	0.006	< 0.003	0.004
261258	< 3	< 0.003	0.004	0.021	0.002	< 0.003	0.007	< 0.003	0.005
261259	< 3	< 0.003	0.003	0.058	0.002	< 0.003	0.006	< 0.003	0.005
261260	< 3	< 0.003	< 0.003	0.637	0.006	0.010	< 0.003	< 0.003	0.016
261261	< 3	< 0.003	0.003	0.021	0.002	< 0.003	0.004	< 0.003	0.005
261262	< 3	< 0.003	0.004	0.015	0.002	< 0.003	< 0.003	< 0.003	0.006
261263	< 3	< 0.003	0.004	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.004
261264	< 3	< 0.003	0.004	0.005	0.001	< 0.003	0.006	< 0.003	0.005
261265	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	0.003	< 0.003	0.004
261266	< 3	< 0.003	0.004	0.012	0.001	< 0.003	< 0.003	< 0.003	0.004
261267	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.003
261268	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.003
261269	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.004
261270	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.003
261271	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	0.003	< 0.003	0.004
261272	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261273	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	0.004	< 0.003	0.004
261274	< 3	< 0.003	0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.004
261275	< 3	< 0.003	0.004	0.005	0.001	< 0.003	< 0.003	< 0.003	0.005
261276	< 3	< 0.003	0.004	0.004	0.001	< 0.003	< 0.003	< 0.003	0.004
261277	< 3	< 0.003	0.003	0.003	0.001	< 0.003	0.003	< 0.003	0.003
261278	< 3	< 0.003	0.003	0.003	0.001	< 0.003	0.003	< 0.003	0.004
261279	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.003
261280	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	0.004	< 0.003	0.003
261281	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.003
261282	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.003	< 0.003	0.003
261283	< 3	< 0.003	< 0.003	0.008	0.003	< 0.003	0.005	< 0.003	0.004
261284	4	< 0.003	< 0.003	1.12	0.003	0.048	0.005	0.006	0.010
261285	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.005	< 0.003	0.003
261286	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.005	< 0.003	0.004
261287	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.003	< 0.003	0.004

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261288	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.003	< 0.003	0.004
261289	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	0.004	< 0.003	0.004
261290	< 3	< 0.003	0.003	< 0.001	0.001	< 0.003	0.004	< 0.003	0.004
261291	< 3	< 0.003	0.003	< 0.001	0.002	< 0.003	0.003	< 0.003	0.005
261292	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	0.004	< 0.003	0.004
261293	< 3	< 0.003	< 0.003	0.001	0.003	< 0.003	0.004	< 0.003	0.004
261294	< 3	< 0.003	< 0.003	0.003	0.003	< 0.003	0.005	< 0.003	0.004
261295	< 3	< 0.003	0.003	0.001	0.003	< 0.003	0.004	< 0.003	0.004
261296	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261297	< 3	< 0.003	< 0.003	0.015	0.003	< 0.003	0.004	< 0.003	0.004
261298	< 3	< 0.003	< 0.003	0.004	0.003	< 0.003	0.004	< 0.003	0.004
261299	< 3	< 0.003	< 0.003	0.011	0.003	< 0.003	0.004	< 0.003	0.004
261300	< 3	< 0.003	< 0.003	0.008	0.003	< 0.003	0.004	< 0.003	0.004

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	127		2.04	24.3			45.6		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	126		1.99	24.1			45.4		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	129		2.09	24.8			46.1		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.074	0.988			2.13		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.074	0.997			2.22		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.074	1.000			2.15		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.608		0.054	< 0.003		0.006
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.569		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.603		0.052	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.009		1.43	< 0.003	< 0.003	0.009
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.011		1.47	0.004	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.43	< 0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	214	0.056	0.011	0.134				13.7	17.7
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	213	0.058	0.011	0.134				13.2	18.3
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	207	0.056	0.011	0.132				13.8	18.3
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	48	0.052		2.98		0.025		2.07	16.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	49	0.054		3.06		0.028		2.10	17.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.054		3.04		0.018		2.14	17.0
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	20		0.007	6.41				0.014	0.061
OREAS 97 (4 Acid) Meas	20		0.006	6.31				0.015	0.065

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Acid) Cert									
OREAS 97 (4 Acid) Meas	20		0.007	6.13				0.017	0.065
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.51				0.014	0.063
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	47		0.013	14.5				0.040	0.133
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	15.1				0.032	0.140
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.013	15.0				0.036	0.136
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.216				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.208				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.220				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.89				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
CZN-4 Meas	50	0.256	0.010	0.408				0.184	53.9
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	50	0.260	0.009	0.400				0.177	55.2
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.264	0.010	0.412				0.187	55.1
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.87				
Lithium					8				



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Tetraborate FX-LT 100 lot#220610B Cert									
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.16				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.14				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	53		0.315	7.60			11.1	0.083	0.196
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.322	7.72			11.5	0.086	0.213
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.320	7.61			11.1	0.080	0.203
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	211	0.007	0.032	23.4				0.709	2.93
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	215	0.007	0.031	23.4				0.696	3.10
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	211	0.007	0.033	23.6				0.724	3.09
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	3.93				0.012	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.94				0.012	0.046
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 352 4-Acid Meas	7	0.005		0.061				51.9	2.15
OREAS 352 4-Acid Cert	9	0.006		0.064				51.9	2.21
OREAS 352 4-Acid Meas	11	0.005		0.062				51.9	2.21
OREAS 352 4-Acid Cert	9.4	0.006		0.064				51.9	2.21
OREAS 352 4-Acid Meas	11	0.005		0.064				51.9	2.27
OREAS 352 4-Acid Cert	9.4	0.006		0.064				51.9	2.21
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.152	0.005	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520	< 3	< 0.003	< 0.003	0.004		0.145	0.006	< 0.003	0.038

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Meas									
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
261003 Orig	< 3	< 0.003	< 0.003	0.071	0.001	< 0.003	< 0.003	< 0.003	0.002
261003 Dup	< 3	< 0.003	< 0.003	0.071	0.001	< 0.003	< 0.003	< 0.003	0.002
261016 Orig	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261016 Dup	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261024 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261024 Dup	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261040 Split PREP DUP	4	< 0.003	< 0.003	0.090	< 0.001	< 0.003	< 0.003	0.004	0.031
261049 Orig	3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261049 Dup	3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261057 Orig	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261057 Dup	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261082 Orig	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	0.002
261082 Dup	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	0.001
261090 Split PREP DUP	3	< 0.003	< 0.003	0.039	0.001	< 0.003	< 0.003	< 0.003	0.001
261090 Orig	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261090 Dup	< 3	< 0.003	< 0.003	0.039	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261115 Orig	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261115 Dup	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261128 Orig	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261128 Dup	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261136 Orig	< 3	< 0.003	< 0.003	0.507	0.003	0.033	0.003	< 0.003	0.007
261136 Dup	< 3	< 0.003	< 0.003	0.519	0.004	0.034	0.004	< 0.003	0.007
261140 Split	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	0.014	0.066
261161 Orig	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.003
261161 Dup	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.003
261169 Orig	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.003
261169 Dup	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.003
261190 Split PREP DUP	< 3	< 0.003	< 0.003	0.010	0.005	< 0.003	0.005	< 0.003	0.006
261194 Orig	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.002
261194 Dup	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.002
261202 Orig	< 3	< 0.003	< 0.003	0.019	0.002	< 0.003	< 0.003	0.007	0.008
261202 Dup	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	0.006	0.008
261227 Orig	< 3	< 0.003	0.003	0.005	0.004	< 0.003	0.017	< 0.003	0.007
261227 Dup	< 3	< 0.003	0.004	0.009	0.004	< 0.003	0.019	< 0.003	0.008
261240 Split Orig PREP DUP	< 3	< 0.003	0.003	0.004	0.006	< 0.003	0.018	< 0.003	0.012
261240 Split PREP DUP	< 3	< 0.003	0.003	0.004	0.006	< 0.003	0.018	< 0.003	0.011
261240 Orig	< 3	< 0.003	0.003	0.004	0.006	< 0.003	0.017	< 0.003	0.012
261240 Dup	< 3	< 0.003	0.003	0.004	0.006	< 0.003	0.018	< 0.003	0.012
261248 Orig	< 3	< 0.003	0.004	0.004	0.006	< 0.003	0.010	< 0.003	0.008
261248 Dup	< 3	< 0.003	0.004	0.004	0.006	< 0.003	0.012	< 0.003	0.009
261273 Orig	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	0.004	< 0.003	0.004
261273 Dup	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	0.003	< 0.003	0.004
261281 Orig	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261281 Dup	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.005	< 0.003	0.003
261290 Split Orig PREP DUP	< 3	< 0.003	0.003	< 0.001	0.001	< 0.003	0.004	< 0.003	0.004
261290 Split PREP DUP	< 3	< 0.003	0.003	< 0.001	0.001	< 0.003	0.004	< 0.003	0.005
261297 Orig	< 3	< 0.003	< 0.003	0.015	0.003	< 0.003	0.004	< 0.003	0.005
261297 Dup	< 3	< 0.003	< 0.003	0.014	0.003	< 0.003	0.004	< 0.003	0.004
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



Report No.: A20-15608-Au
Report Date: 04-Jan-21
Date Submitted: 04-Dec-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

310 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Test Name, and Testing Date. Rows include 1A2-Timmins (ppm), 1A3-50-Timmins, and 1A4 (100mesh)-Timmins.

REPORT A20-15608-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Elitsa Hrischeva

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
258491	0.079								
258492	0.079								
258493	0.043								
258494	0.016								
258495	0.031								
258496	< 0.005								
258497	0.018								
258498	0.101								
258499	0.183								
258500	0.038								
261001	0.113								
261002	1.185								
261003	0.666								
261004	0.070								
261005	> 5.000	9.08	375	19.3	23.1	46.5	35.79	463.58	499.37
261006	0.140								
261007	0.534								
261008	0.268								
261009	0.073								
261010	0.273								
261011	0.089								
261012	0.527								
261013	0.048								
261014	0.437								
261015	0.573								
261016	0.168								
261017	0.067								
261018	0.027								
261019	0.051								
261020	0.060								
261021	0.184								
261022	0.065								
261023	0.022								
261024	< 0.005								
261025	0.035								
261026	0.053								
261027	0.033								
261028	0.024								
261029	0.013								
261030	2.006								
261031	0.099								
261032	0.164								
261033	0.248								
261034	0.206								
261035	0.076								
261036	0.657								
261037	0.074								
261038	0.191								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
261039	0.200								
261040	0.243								
261041	0.280								
261042	0.189								
261043	0.025								
261044	0.905								
261045	0.349								
261046	0.224								
261047	0.231								
261048	< 0.005								
261049	0.431								
261050	0.555								
261051	0.415								
261052	0.073								
261053	0.828								
261054	0.354								
261055	0.323								
261056	0.200								
261057	0.147								
261058	0.094								
261059	0.143								
261060	0.259								
261061	0.206								
261062	2.502								
261063	0.101								
261064	0.262								
261065	0.365								
261066	0.075								
261067	0.184								
261068	0.334								
261069	0.267								
261070	0.200								
261071	0.293								
261072	0.005								
261073	0.153								
261074	0.102								
261075	0.569								
261076	0.140								
261077	0.221								
261078	0.100								
261079	0.094								
261080	0.127								
261081	0.080								
261082	0.310								
261083	0.537								
261084	1.633								
261085	1.309								
261086	0.178								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
261087	0.101								
261088	0.015								
261089	0.117								
261090	0.133								
261091	0.051								
261092	0.115								
261093	< 0.005								
261094	0.191								
261095	0.209								
261096	< 0.005								
261097	0.116								
261098	0.099								
261099	1.246								
261100	0.044								
261101	0.095								
261102	0.036								
261103	0.315								
261104	0.111								
261105	0.086								
261106	0.128								
261107	0.152								
261108	0.184								
261109	0.463								
261110	0.198								
261111	0.317								
261112	0.460								
261113	0.122								
261114	0.101								
261115	0.271								
261116	0.200								
261117	0.054								
261118	0.110								
261119	0.058								
261120	0.093								
261121	0.078								
261122	2.677								
261123	0.029								
261124	0.005								
261125	0.298								
261126	0.052								
261127	0.162								
261128	0.059								
261129	0.031								
261130	0.032								
261131	0.077								
261132	0.143								
261133	0.083								
261134	0.027								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
261135	0.054								
261136	0.555								
261137	0.088								
261138	0.451								
261139	0.100								
261140	0.272								
261141	0.102								
261142	0.345								
261143	0.272								
261144	0.076								
261145	1.288								
261146	0.091								
261147	0.458								
261148	< 0.005								
261149	0.050								
261150	0.064								
261151	0.030								
261152	0.052								
261153	0.021								
261154	0.214								
261155	1.382								
261156	0.277								
261157	0.066								
261158	0.014								
261159	1.716								
261160	0.163								
261161	0.074								
261162	0.012								
261163	0.040								
261164	0.019								
261165	0.038								
261166	0.025								
261167	0.070								
261168	0.031								
261169	0.430								
261170	1.953								
261171	0.033								
261172	< 0.005								
261173	0.014								
261174	0.056								
261175	0.027								
261176	0.066								
261177	0.099								
261178	0.015								
261179	0.161								
261180	0.012								
261181	0.080								
261182	0.392								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
261183	0.034								
261184	1.469								
261185	0.064								
261186	0.122								
261187	0.328								
261188	0.049								
261189	0.161								
261190	0.025								
261191	< 0.005								
261192	0.028								
261193	0.307								
261194	0.012								
261195	0.007								
261196	< 0.005								
261197	0.039								
261198	0.032								
261199	0.072								
261200	0.372								
261201	0.016								
261202	0.064								
261203	4.011	3.86							
261204	2.649								
261205	0.880								
261206	0.092								
261207	0.117								
261208	0.232								
261209	0.198								
261210	0.085								
261211	0.076								
261212	0.485								
261213	1.178								
261214	0.796								
261215	0.195								
261216	0.018								
261217	0.060								
261218	0.185								
261219	0.185								
261220	0.405								
261221	0.188								
261222	> 5.000	6.03	5.41	3.29	2.93	3.26	33.26	461.85	495.11
261223	0.088								
261224	0.013								
261225	0.019								
261226	0.018								
261227	0.135								
261228	> 5.000	19.4	40.8	17.8	18.5	19.8	36.14	458.74	494.88
261229	0.062								
261230	0.034								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
261231	0.013								
261232	1.292								
261233	0.315								
261234	0.233								
261235	0.283								
261236	0.668								
261237	0.120								
261238	0.210								
261239	3.701	3.40							
261240	0.042								
261241	0.612								
261242	0.114								
261243	1.313								
261244	0.022								
261245	0.007								
261246	0.019								
261247	0.011								
261248	< 0.005								
261249	0.222								
261250	0.229								
261251	2.735								
261252	0.267								
261253	0.539								
261254	0.242								
261255	0.181								
261256	0.045								
261257	0.142								
261258	0.190								
261259	0.237								
261260	0.149								
261261	0.223								
261262	0.072								
261263	< 0.005								
261264	< 0.005								
261265	0.012								
261266	0.015								
261267	0.008								
261268	0.014								
261269	0.011								
261270	< 0.005								
261271	< 0.005								
261272	< 0.005								
261273	0.039								
261274	0.048								
261275	< 0.005								
261276	< 0.005								
261277	< 0.005								
261278	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
261279	0.021								
261280	0.032								
261281	0.010								
261282	< 0.005								
261283	0.068								
261284	1.540								
261285	0.019								
261286	0.024								
261287	0.013								
261288	0.054								
261289	0.054								
261290	0.092								
261291	0.157								
261292	0.028								
261293	0.027								
261294	0.133								
261295	0.056								
261296	< 0.005								
261297	0.207								
261298	0.185								
261299	0.201								
261300	0.097								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 257 Meas		14.2				14.1			
OREAS 257 Cert		14.18				14.18			
Oreas 237 (fire Assay) Meas	2.285								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.296								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.313								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.271								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.218								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.226								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.229								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.244								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.304								
Oreas 237 (fire Assay) Cert	2.21								
Oreas 237 (fire Assay) Meas	2.175								
Oreas 237 (fire Assay) Cert	2.21								
OREAS 228b (Fire Assay) Meas		8.52				8.48			
OREAS 228b (Fire Assay) Cert		8.57				8.57			
Oreas E1336 (Fire Assay) Meas	0.528								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.519								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.518								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Assay) Meas									
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.521								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.524								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.503								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.525								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.528								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.493								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.500								
Oreas E1336 (Fire Assay) Cert	0.510								
258500 Orig	0.046								
258500 Dup	0.030								
261005 Orig			375	19.3	23.1	46.5	35.79	463.58	499.37
261040 Split Orig PREP DUP	0.243								
261040 Split PREP DUP	0.191								
261054 Orig	0.339								
261054 Dup	0.368								
261069 Orig	0.267								
261069 Dup	0.268								
261079 Orig	0.105								
261079 Dup	0.083								
261090 Split Orig PREP DUP	0.133								
261090 Split PREP DUP	0.116								
261113 Orig	0.110								
261113 Dup	0.134								
261138 Orig	0.433								
261138 Dup	0.468								
261140 Split Orig	0.272								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
PREP DUP									
261140 Split PREP DUP	0.267								
261157 Orig	0.070								
261157 Dup	0.062								
261172 Orig	< 0.005								
261172 Dup	< 0.005								
261190 Split Orig PREP DUP	0.025								
261190 Split PREP DUP	0.016								
261191 Orig	< 0.005								
261191 Dup	< 0.005								
261206 Orig	0.087								
261206 Dup	0.097								
261216 Orig	0.017								
261216 Dup	0.018								
261222 Orig			5.41	3.29	2.93	3.26	33.26	461.85	495.11
261226 Orig	0.016								
261226 Dup	0.020								
261228 Orig			40.8	17.8	18.5	19.8	36.14	458.74	494.88
261240 Split Orig PREP DUP	0.042								
261240 Split PREP DUP	0.032								
261240 Orig	0.040								
261240 Dup	0.043								
261250 Orig	0.236								
261250 Dup	0.221								
261261 Orig	0.246								
261261 Dup	0.200								
261275 Orig	< 0.005								
261275 Dup	< 0.005								
261285 Orig	0.013								
261285 Dup	0.024								
261290 Split Orig PREP DUP	0.092								
261290 Split PREP DUP	0.079								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank		< 0.02							
Method Blank		< 0.02							
Method Blank						< 0.03			
Method Blank						< 0.03			



IAMGOLD Corporation  
2140 Regent Street Unit 10  
Sudbury Ontario P3E 5S8  
Canada

Report No.: A20-15890-8-4Acid  
Report Date: 08-Mar-21  
Date Submitted: 08-Dec-20  
Your Reference: GOS-234

ATTN: Alan Smith

### CERTIFICATE OF ANALYSIS

179 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
8-4 Acid Total Digestion	QOP Total Assay (Code 8-4 Acid Total Digestion Assays)	2021-02-22 19:20:12

REPORT **A20-15890-8-4Acid**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.  
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261301	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	0.006	< 0.003	0.005
261302	< 3	< 0.003	< 0.003	0.004	0.004	< 0.003	0.005	< 0.003	0.006
261303	< 3	< 0.003	0.004	0.013	0.003	< 0.003	0.007	< 0.003	0.007
261304	< 3	< 0.003	0.004	0.004	0.001	< 0.003	< 0.003	< 0.003	0.009
261305	< 3	< 0.003	0.004	0.009	0.001	< 0.003	< 0.003	< 0.003	0.007
261306	< 3	< 0.003	0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.007
261307	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.006
261308	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.005
261309	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.005
261310	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	0.003	< 0.003	0.005
261311	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.006
261312	< 3	< 0.003	< 0.003	0.755	0.004	0.016	0.005	< 0.003	0.011
261313	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	0.004	< 0.003	0.004
261314	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.005
261315	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	0.003	< 0.003	0.005
261316	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.005
261317	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.005
261318	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.004
261319	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.003
261320	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
261321	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
261322	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261323	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261324	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261325	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261326	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261327	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
261328	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
261329	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.001
261330	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
261331	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261332	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261333	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261334	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261335	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261336	< 3	< 0.003	< 0.003	0.507	0.004	0.029	0.004	< 0.003	0.007
261337	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261338	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261339	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
261340	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.003
261341	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261342	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
261343	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.003
261344	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261345	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261346	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261347	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	0.002
261348	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261349	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261350	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.001
261351	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261352	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261353	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261354	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261355	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261356	< 3	< 0.003	0.004	0.004	0.005	< 0.003	0.004	< 0.003	0.011
261357	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261358	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.003
261359	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
261360	< 3	< 0.003	< 0.003	0.631	0.006	0.005	< 0.003	< 0.003	0.016
261361	< 3	< 0.003	0.003	0.003	0.004	< 0.003	< 0.003	< 0.003	0.008
261362	< 3	< 0.003	< 0.003	0.005	0.004	< 0.003	0.004	< 0.003	0.009
261363	< 3	< 0.003	0.003	0.004	0.004	< 0.003	0.009	< 0.003	0.009
261364	< 3	< 0.003	< 0.003	0.009	0.005	< 0.003	0.005	< 0.003	0.008
261365	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.004
261366	< 3	< 0.003	< 0.003	0.011	0.003	< 0.003	< 0.003	< 0.003	0.007
261367	< 3	< 0.003	< 0.003	0.009	0.003	< 0.003	< 0.003	< 0.003	0.006
261368	< 3	< 0.003	< 0.003	0.018	0.002	< 0.003	< 0.003	< 0.003	0.006
261369	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261370	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261371	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
261372	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261373	< 3	< 0.003	< 0.003	0.013	0.006	< 0.003	< 0.003	< 0.003	0.007
261374	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.003
261375	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.003
261376	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261377	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261378	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.001
261379	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.001
261380	< 3	< 0.003	< 0.003	0.090	0.001	< 0.003	< 0.003	< 0.003	0.002
261381	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.001
261382	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
261383	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
261384	4	< 0.003	< 0.003	1.10	0.003	0.044	0.005	0.005	0.011
261385	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
261386	< 3	< 0.003	< 0.003	0.208	0.002	< 0.003	< 0.003	< 0.003	0.002
261387	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.001
261388	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
261389	< 3	< 0.003	< 0.003	0.106	0.002	< 0.003	< 0.003	< 0.003	0.003
261390	3	< 0.003	< 0.003	0.098	0.002	< 0.003	< 0.003	< 0.003	0.004
261391	< 3	< 0.003	< 0.003	0.073	0.001	< 0.003	< 0.003	< 0.003	0.002
261392	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
261393	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.001
261394	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.001
261395	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261396	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261397	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261398	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.002
261399	< 3	< 0.003	< 0.003	0.005	0.007	< 0.003	0.006	< 0.003	0.006

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261400	< 3	< 0.003	< 0.003	0.012	0.005	< 0.003	0.008	< 0.003	0.006
261401	< 3	< 0.003	0.003	0.006	0.003	< 0.003	0.010	< 0.003	0.007
261402	< 3	< 0.003	0.003	< 0.001	0.005	< 0.003	0.012	< 0.003	0.009
261403	< 3	< 0.003	0.004	0.003	0.002	< 0.003	0.011	< 0.003	0.009
261404	< 3	< 0.003	0.003	< 0.001	0.007	< 0.003	0.009	< 0.003	0.008
261405	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
261406	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	0.002
261407	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261408	< 3	< 0.003	< 0.003	0.013	0.002	< 0.003	< 0.003	< 0.003	0.004
261409	< 3	< 0.003	0.004	0.006	0.003	< 0.003	0.010	< 0.003	0.008
261410	< 3	< 0.003	0.003	0.006	0.003	< 0.003	0.009	< 0.003	0.007
261411	< 3	< 0.003	0.005	0.017	0.004	< 0.003	0.016	< 0.003	0.010
261412	< 3	< 0.003	< 0.003	0.793	0.004	0.017	0.004	< 0.003	0.011
261413	< 3	< 0.003	0.007	0.002	0.005	< 0.003	0.037	< 0.003	0.014
261414	< 3	< 0.003	0.003	0.013	0.003	< 0.003	0.016	< 0.003	0.011
261415	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.001
261416	< 3	< 0.003	0.003	0.004	0.006	< 0.003	0.020	< 0.003	0.011
261417	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261418	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261419	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261420	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261421	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261422	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261423	< 3	< 0.003	0.004	< 0.001	0.011	< 0.003	0.017	< 0.003	0.009
261424	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261425	< 3	< 0.003	0.005	< 0.001	0.013	< 0.003	0.013	< 0.003	0.011
261426	< 3	< 0.003	< 0.003	0.011	0.003	< 0.003	< 0.003	< 0.003	0.002
261427	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261428	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.001
261429	< 3	< 0.003	0.004	< 0.001	0.010	< 0.003	0.011	< 0.003	0.010
261430	< 3	< 0.003	0.004	0.001	0.010	< 0.003	0.009	< 0.003	0.009
261431	< 3	< 0.003	< 0.003	0.042	0.003	< 0.003	0.004	< 0.003	0.004
261432	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261433	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261434	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261435	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261436	< 3	< 0.003	< 0.003	0.520	0.004	0.030	0.004	< 0.003	0.007
261437	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261438	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261439	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261440	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261441	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261442	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261443	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261444	< 3	< 0.003	< 0.003	0.045	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261445	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261446	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261447	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261448	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261449	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261450	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261451	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261452	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261453	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261454	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261455	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261456	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261457	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261458	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261459	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261460	< 3	< 0.003	< 0.003	0.633	0.005	0.007	< 0.003	0.003	0.015
261461	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261462	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261463	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261464	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261465	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261466	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261467	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261468	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261469	< 3	< 0.003	0.004	0.021	0.004	< 0.003	0.003	< 0.003	0.010
261470	< 3	< 0.003	0.004	0.018	0.004	< 0.003	0.004	< 0.003	0.010
261471	< 3	< 0.003	< 0.003	0.010	0.004	< 0.003	0.005	< 0.003	0.011
261472	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261473	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261474	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261475	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261476	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261477	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261478	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261479	< 3	< 0.003	< 0.003	0.031	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	133		2.04	25.2			46.8		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	129		2.09	24.1			46.8		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	128		2.12	24.0			45.6		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	127		2.04	24.6			45.8		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.074	0.975			2.11		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.074	0.981			2.14		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.609		0.053	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.597		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.578		0.055	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.574		0.049	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.010		1.46	0.004	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.011		1.46	< 0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.48	< 0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	208	0.059	0.011	0.137				13.3	18.0
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	209	0.058	0.012	0.132				13.6	17.7
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	211	0.057	0.010	0.134				13.8	18.1
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	208	0.056	0.011	0.127				13.4	17.6
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	47	0.053		3.03		0.027		2.08	16.2
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.053		3.01		0.022		2.10	16.4
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
MP-1b Meas	47	0.050		2.91		0.020		2.08	16.3
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	19		0.007	6.51				0.017	0.061
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.48				0.013	0.060
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	44		0.012	14.6				0.034	0.133
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.7				0.032	0.132
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.012	14.6				0.038	0.131
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.012	14.7				0.034	0.132
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.215				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.206				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.216				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.216				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.83				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.89				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.88				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.85				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86314 Cert					1.81				
CZN-4 Meas	49	0.264	0.009	0.417				0.187	55.9
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.258	0.009	0.402				0.180	56.8
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.260	0.010	0.413				0.180	55.9
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	49	0.263	0.010	0.406				0.185	54.4
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.97				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.04				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.06				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.87				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	53		0.305	7.82			11.3	0.085	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.329	7.89			11.5	0.081	0.208
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	56		0.332	7.97			11.2	0.084	0.206
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	56		0.312	7.99			11.0	0.081	0.204
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	205	0.008	0.030	22.6				0.752	2.98
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	210	0.007	0.033	23.2				0.716	2.95
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	212	0.007	0.033	23.4				0.719	3.04
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
CCU-1e Meas	207	0.007	0.032	23.6				0.720	3.03
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	4.13				0.011	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.83				0.012	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.004	3.88				0.009	0.043
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	12		0.005	3.77				0.010	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 352 4-Acid Meas	10	0.005		0.064				51.9	2.26
OREAS 352 4-Acid Cert	9.4	0.006		0.064				51.9	2.21
OREAS 352 4-Acid Meas	9	0.005		0.062				51.8	2.20
OREAS 352 4-Acid Cert	9	0.006		0.064				51.9	2.21
OREAS 352 4-Acid Meas	13	0.005		0.060				51.9	2.18
OREAS 352 4-Acid Cert	9.4	0.006		0.064				51.9	2.21
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.140	0.006	< 0.003	0.039
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.152	0.006	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.155	0.006	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.151	0.006	< 0.003	0.038
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
261313 Orig	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	0.004	< 0.003	0.004
261313 Dup	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	0.004	< 0.003	0.005
261326 Orig	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261326 Dup	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261334 Orig	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261334 Dup	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261359 Orig	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
261359 Dup	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.001
261367 Orig	< 3	< 0.003	< 0.003	0.009	0.003	< 0.003	< 0.003	< 0.003	0.006







Report No.: A20-15890-Au
Report Date: 18-Jan-21
Date Submitted: 08-Dec-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

179 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Test Name, and Testing Date. Rows include 1A2-Timmins (ppm) and 1A3-50-Timmins.

REPORT A20-15890-Au

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
261301	0.203	
261302	0.185	
261303	0.108	
261304	< 0.005	
261305	0.008	
261306	0.026	
261307	0.019	
261308	0.029	
261309	0.015	
261310	0.016	
261311	< 0.005	
261312	0.518	
261313	0.016	
261314	0.039	
261315	0.032	
261316	0.024	
261317	0.020	
261318	0.113	
261319	0.011	
261320	0.026	
261321	0.022	
261322	0.041	
261323	0.022	
261324	< 0.005	
261325	< 0.005	
261326	< 0.005	
261327	0.013	
261328	0.080	
261329	0.037	
261330	0.026	
261331	0.434	
261332	0.025	
261333	0.069	
261334	0.144	
261335	0.068	
261336	0.666	
261337	0.029	
261338	0.009	
261339	0.013	
261340	0.052	
261341	0.083	
261342	0.030	
261343	0.055	
261344	0.072	
261345	0.022	
261346	0.036	
261347	0.125	
261348	< 0.005	
261349	0.032	
261350	0.041	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
261351	0.011	
261352	0.010	
261353	0.009	
261354	0.009	
261355	0.089	
261356	< 0.005	
261357	0.250	
261358	0.006	
261359	0.020	
261360	0.179	
261361	< 0.005	
261362	0.006	
261363	0.006	
261364	0.009	
261365	0.017	
261366	0.022	
261367	0.021	
261368	0.046	
261369	0.028	
261370	0.017	
261371	0.033	
261372	< 0.005	
261373	0.015	
261374	0.031	
261375	0.013	
261376	< 0.005	
261377	0.017	
261378	0.258	
261379	0.032	
261380	0.119	
261381	0.025	
261382	0.014	
261383	0.127	
261384	1.524	
261385	0.046	
261386	0.264	
261387	0.046	
261388	0.189	
261389	0.125	
261390	3.001	2.97
261391	0.822	
261392	0.010	
261393	< 0.005	
261394	0.013	
261395	0.053	
261396	< 0.005	
261397	0.051	
261398	0.152	
261399	< 0.005	
261400	0.005	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
261401	< 0.005	
261402	< 0.005	
261403	< 0.005	
261404	0.006	
261405	< 0.005	
261406	0.042	
261407	0.027	
261408	0.019	
261409	0.006	
261410	0.006	
261411	0.016	
261412	0.507	
261413	< 0.005	
261414	0.012	
261415	0.060	
261416	0.010	
261417	0.132	
261418	0.067	
261419	0.216	
261420	0.080	
261421	0.080	
261422	0.079	
261423	0.007	
261424	< 0.005	
261425	0.024	
261426	0.085	
261427	0.024	
261428	0.020	
261429	0.011	
261430	0.066	
261431	0.145	
261432	3.706	3.32
261433	0.127	
261434	0.141	
261435	0.040	
261436	0.681	
261437	0.089	
261438	0.013	
261439	< 0.005	
261440	0.083	
261441	0.065	
261442	0.056	
261443	0.025	
261444	0.052	
261445	< 0.005	
261446	< 0.005	
261447	< 0.005	
261448	< 0.005	
261449	< 0.005	
261450	< 0.005	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
261451	0.011	
261452	< 0.005	
261453	0.006	
261454	0.019	
261455	0.022	
261456	0.014	
261457	0.027	
261458	0.030	
261459	0.007	
261460	0.182	
261461	< 0.005	
261462	0.029	
261463	0.028	
261464	< 0.005	
261465	< 0.005	
261466	0.017	
261467	0.011	
261468	< 0.005	
261469	0.044	
261470	0.058	
261471	0.011	
261472	< 0.005	
261473	0.014	
261474	0.037	
261475	0.079	
261476	0.080	
261477	0.068	
261478	0.021	
261479	0.068	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
OREAS 257 Meas		14.3
OREAS 257 Cert		14.18
OREAS 257 Meas		14.2
OREAS 257 Cert		14.18
Oreas 237 (fire Assay) Meas	2.159	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.307	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.257	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.252	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.140	
Oreas 237 (fire Assay) Cert	2.21	
Oreas 237 (fire Assay) Meas	2.274	
Oreas 237 (fire Assay) Cert	2.21	
OREAS 228b (Fire Assay) Meas		8.73
OREAS 228b (Fire Assay) Cert		8.57
OREAS 228b (Fire Assay) Meas		8.55
OREAS 228b (Fire Assay) Cert		8.57
Oreas E1336 (Fire Assay) Meas	0.508	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.499	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.518	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.519	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.500	
Oreas E1336 (Fire Assay) Cert	0.510	
Oreas E1336 (Fire Assay) Meas	0.526	

Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
Assay) Meas		
Oreas E1336 (Fire Assay) Cert	0.510	
261310 Orig	0.018	
261310 Dup	0.014	
261320 Orig	0.026	
261320 Dup	0.026	
261330 Orig	0.019	
261330 Dup	0.033	
261345 Orig	0.024	
261345 Dup	0.020	
261350 Split Orig PREP DUP	0.041	
261350 Split PREP DUP	0.050	
261354 Orig	0.010	
261354 Dup	0.008	
261364 Orig	0.009	
261364 Dup	0.008	
261379 Orig	0.034	
261379 Dup	0.030	
261389 Orig	0.114	
261389 Dup	0.136	
261399 Orig	< 0.005	
261399 Dup	< 0.005	
261400 Split Orig PREP DUP	0.005	
261400 Split PREP DUP	< 0.005	
261413 Orig	< 0.005	
261413 Dup	< 0.005	
261423 Orig	0.005	
261423 Dup	0.010	
261448 Orig	< 0.005	
261448 Dup	0.006	
261450 Split Orig PREP DUP	< 0.005	
261450 Split PREP DUP	< 0.005	
261457 Orig	0.028	
261457 Dup	0.027	
261467 Orig	0.008	
261467 Dup	0.014	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	



Analyte Symbol	Au	Au
Unit Symbol	ppm	g/tonne
Lower Limit	0.005	0.02
Method Code	FA-AA	FA- GRA
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank		< 0.02



IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

Report No.: A20-15892-8-4Acid  
 Report Date: 16-Mar-21  
 Date Submitted: 08-Dec-20  
 Your Reference: 234-GOS

ATTN: Alan Smith

## CERTIFICATE OF ANALYSIS

200 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
8-4 Acid Total Digestion	QOP Total Assay (Code 8-4 Acid Total Digestion Assays)	2021-02-22 19:20:12

REPORT **A20-15892-8-4Acid**

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Notes:

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.  
 41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5  
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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261501	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261502	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261503	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261504	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261505	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261506	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261507	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261508	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261509	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261510	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261511	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261512	< 3	< 0.003	< 0.003	0.789	0.004	0.019	0.005	< 0.003	0.010
261513	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261514	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261515	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261516	< 3	< 0.003	< 0.003	0.092	0.001	< 0.003	< 0.003	< 0.003	0.004
261517	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261518	< 3	< 0.003	< 0.003	0.052	0.001	< 0.003	< 0.003	< 0.003	0.002
261519	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261520	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261521	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261522	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	< 0.001
261523	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261524	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	0.004	< 0.003	< 0.001
261525	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261526	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261527	< 3	< 0.003	< 0.003	0.291	0.002	< 0.003	< 0.003	< 0.003	0.004
261528	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261529	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261530	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261531	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261532	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261533	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261534	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261535	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261536	< 3	< 0.003	< 0.003	0.537	0.003	0.030	0.003	< 0.003	0.007
261537	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261538	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261539	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.002
261540	< 3	< 0.003	< 0.003	0.071	< 0.001	< 0.003	< 0.003	< 0.003	0.003
261541	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261542	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261543	< 3	< 0.003	< 0.003	0.133	< 0.001	< 0.003	< 0.003	< 0.003	0.003
261544	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261545	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261546	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261547	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261548	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261549	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261550	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
261551	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.001
261552	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
261553	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.001
261554	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
261555	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
261556	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
261557	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.004
261558	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.005
261559	< 3	< 0.003	< 0.003	0.026	0.002	< 0.003	< 0.003	< 0.003	0.004
261560	< 3	< 0.003	< 0.003	0.624	0.006	0.010	< 0.003	< 0.003	0.016
261561	< 3	< 0.003	< 0.003	0.033	0.002	< 0.003	< 0.003	< 0.003	0.005
261562	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.003
261563	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.004
261564	< 3	< 0.003	< 0.003	0.037	0.001	< 0.003	< 0.003	< 0.003	0.002
261565	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.002
261566	< 3	< 0.003	< 0.003	0.056	0.001	< 0.003	< 0.003	< 0.003	0.004
261567	< 3	< 0.003	0.004	0.134	0.002	< 0.003	0.003	< 0.003	0.005
261568	< 3	< 0.003	0.004	0.092	0.004	< 0.003	0.003	< 0.003	0.005
261569	< 3	< 0.003	0.005	0.003	0.006	< 0.003	0.012	< 0.003	0.007
261570	< 3	< 0.003	0.005	0.004	0.007	< 0.003	0.012	< 0.003	0.007
261571	< 3	< 0.003	0.005	0.005	0.006	< 0.003	0.014	< 0.003	0.006
261572	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261573	< 3	< 0.003	0.004	0.002	0.003	< 0.003	0.007	< 0.003	0.005
261574	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.011	< 0.003	0.005
261575	< 3	< 0.003	0.005	< 0.001	0.002	< 0.003	0.016	< 0.003	0.005
261576	< 3	< 0.003	0.005	0.001	0.002	< 0.003	0.019	< 0.003	0.006
261577	< 3	< 0.003	0.005	< 0.001	0.002	< 0.003	0.020	< 0.003	0.007
261578	< 3	< 0.003	0.005	0.001	0.002	< 0.003	0.020	< 0.003	0.005
261579	< 3	< 0.003	0.005	0.002	0.003	< 0.003	0.020	< 0.003	0.005
261580	< 3	< 0.003	0.005	0.022	0.003	< 0.003	0.021	< 0.003	0.005
261581	< 3	< 0.003	0.005	< 0.001	0.003	< 0.003	0.023	< 0.003	0.006
261582	< 3	< 0.003	0.005	0.001	0.003	< 0.003	0.027	< 0.003	0.005
261583	< 3	< 0.003	0.005	< 0.001	0.003	< 0.003	0.029	< 0.003	0.005
261584	4	< 0.003	< 0.003	1.10	0.003	0.050	0.004	0.005	0.011
261585	< 3	< 0.003	0.005	0.032	0.003	< 0.003	0.030	< 0.003	0.005
261586	< 3	< 0.003	0.005	0.037	0.003	< 0.003	0.032	< 0.003	0.005
261587	< 3	< 0.003	0.006	0.002	0.003	< 0.003	0.042	< 0.003	0.006
261588	< 3	< 0.003	0.006	0.008	0.003	< 0.003	0.043	< 0.003	0.009
261589	< 3	< 0.003	0.012	0.060	< 0.001	< 0.003	0.096	< 0.003	0.010
261590	< 3	< 0.003	0.014	0.068	< 0.001	< 0.003	0.092	< 0.003	0.010
261591	< 3	< 0.003	0.009	0.002	< 0.001	< 0.003	0.090	< 0.003	0.010
261592	< 3	< 0.003	0.011	0.014	< 0.001	< 0.003	0.111	< 0.003	0.008
261593	< 3	< 0.003	0.011	0.003	< 0.001	< 0.003	0.111	< 0.003	0.007
261594	< 3	< 0.003	0.012	< 0.001	< 0.001	< 0.003	0.114	< 0.003	0.007
261595	< 3	< 0.003	0.012	< 0.001	< 0.001	< 0.003	0.118	< 0.003	0.007
261596	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261597	< 3	< 0.003	0.010	< 0.001	< 0.001	< 0.003	0.108	< 0.003	0.007
261598	< 3	< 0.003	0.010	< 0.001	< 0.001	< 0.003	0.115	< 0.003	0.006
261599	< 3	< 0.003	0.014	< 0.001	0.001	< 0.003	0.087	< 0.003	0.008

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261600	< 3	< 0.003	0.011	0.004	< 0.001	< 0.003	0.104	< 0.003	0.006
261601	< 3	< 0.003	0.011	0.004	< 0.001	< 0.003	0.095	< 0.003	0.008
261602	< 3	< 0.003	0.009	0.055	0.002	0.005	0.061	< 0.003	0.008
261603	< 3	< 0.003	0.003	< 0.001	0.004	< 0.003	0.014	< 0.003	0.009
261604	< 3	< 0.003	0.004	0.002	0.004	0.008	0.010	< 0.003	0.009
261605	< 3	< 0.003	< 0.003	0.007	0.004	< 0.003	0.012	< 0.003	0.009
261606	< 3	< 0.003	0.004	0.003	0.003	< 0.003	0.018	< 0.003	0.008
261607	< 3	< 0.003	0.003	0.001	0.003	< 0.003	0.019	< 0.003	0.007
261608	< 3	< 0.003	0.003	0.004	0.002	< 0.003	0.019	< 0.003	0.006
261609	< 3	< 0.003	0.003	0.002	0.003	< 0.003	0.016	< 0.003	0.007
261610	< 3	< 0.003	0.003	0.001	0.004	< 0.003	0.017	< 0.003	0.007
261611	< 3	< 0.003	0.005	< 0.001	0.003	< 0.003	0.018	< 0.003	0.005
261612	< 3	< 0.003	< 0.003	0.773	0.004	0.021	0.004	< 0.003	0.011
261613	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.018	< 0.003	0.005
261614	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.017	< 0.003	0.005
261615	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.012	< 0.003	0.005
261616	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.014	< 0.003	0.004
261617	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.013	< 0.003	0.005
261618	< 3	< 0.003	0.004	< 0.001	0.003	< 0.003	0.012	< 0.003	0.004
261619	< 3	< 0.003	0.004	0.002	0.003	< 0.003	0.012	< 0.003	0.004
261620	< 3	< 0.003	0.005	< 0.001	0.002	< 0.003	0.011	< 0.003	0.005
261621	< 3	< 0.003	0.003	0.002	0.002	< 0.003	0.011	< 0.003	0.004
261622	< 3	< 0.003	0.004	0.002	0.002	< 0.003	0.009	< 0.003	0.004
261623	< 3	< 0.003	0.004	0.003	0.001	< 0.003	0.007	< 0.003	0.004
261624	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261625	< 3	< 0.003	0.003	< 0.001	0.001	< 0.003	0.007	< 0.003	0.004
261626	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	0.006	< 0.003	0.005
261627	< 3	< 0.003	0.003	< 0.001	0.002	< 0.003	0.006	< 0.003	0.005
261628	< 3	< 0.003	0.003	< 0.001	0.001	< 0.003	0.005	< 0.003	0.004
261629	< 3	< 0.003	0.003	< 0.001	0.001	< 0.003	0.005	< 0.003	0.004
261630	< 3	< 0.003	0.003	< 0.001	0.001	< 0.003	0.005	< 0.003	0.003
261631	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.008	< 0.003	0.005
261632	< 3	< 0.003	0.003	< 0.001	0.001	< 0.003	0.006	< 0.003	0.005
261633	< 3	< 0.003	0.003	< 0.001	0.002	< 0.003	0.005	< 0.003	0.004
261634	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.004	< 0.003	0.004
261635	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.004	< 0.003	0.004
261636	< 3	< 0.003	< 0.003	0.511	0.004	0.033	0.004	< 0.003	0.007
261637	< 3	< 0.003	0.003	0.005	0.002	< 0.003	0.004	< 0.003	0.005
261638	< 3	< 0.003	0.003	0.019	0.002	< 0.003	0.004	< 0.003	0.005
261639	< 3	< 0.003	0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.004
261640	< 3	< 0.003	0.004	0.003	0.002	< 0.003	< 0.003	< 0.003	0.004
261641	< 3	< 0.003	0.004	0.005	0.002	< 0.003	0.006	< 0.003	0.005
261642	< 3	< 0.003	0.004	0.005	0.002	< 0.003	0.008	< 0.003	0.005
261643	< 3	< 0.003	0.004	0.009	0.003	< 0.003	< 0.003	< 0.003	0.004
261644	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.003
261645	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.004
261646	< 3	< 0.003	< 0.003	0.001	0.003	< 0.003	0.003	< 0.003	0.004
261647	< 3	< 0.003	< 0.003	0.006	0.003	< 0.003	0.004	< 0.003	0.004
261648	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261649	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.004
261650	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.004
261651	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	0.004	< 0.003	0.004
261652	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.004	< 0.003	0.004
261653	< 3	< 0.003	0.003	0.003	0.002	< 0.003	0.003	< 0.003	0.004
261654	< 3	< 0.003	0.003	0.244	0.003	< 0.003	0.003	< 0.003	0.007
261655	< 3	< 0.003	0.004	0.490	0.004	< 0.003	0.004	< 0.003	0.008
261656	< 3	< 0.003	0.003	0.032	0.004	< 0.003	0.003	< 0.003	0.005
261657	< 3	< 0.003	< 0.003	0.041	0.004	< 0.003	0.003	< 0.003	0.005
261658	< 3	< 0.003	< 0.003	0.070	0.004	< 0.003	0.005	< 0.003	0.005
261659	< 3	< 0.003	< 0.003	0.020	0.003	0.003	0.004	< 0.003	0.004
261660	< 3	< 0.003	< 0.003	0.645	0.006	0.011	< 0.003	0.004	0.016
261661	< 3	< 0.003	< 0.003	0.082	0.004	< 0.003	0.004	< 0.003	0.005
261662	< 3	< 0.003	0.003	0.217	0.004	< 0.003	0.005	< 0.003	0.006
261663	< 3	< 0.003	0.004	0.448	0.005	< 0.003	0.005	< 0.003	0.009
261664	< 3	< 0.003	0.003	0.204	0.005	< 0.003	0.005	< 0.003	0.006
261665	< 3	< 0.003	0.004	0.309	0.004	< 0.003	0.006	< 0.003	0.008
261666	< 3	< 0.003	0.003	0.173	0.004	< 0.003	0.005	< 0.003	0.008
261667	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261668	< 3	< 0.003	0.007	0.017	0.001	0.004	0.005	< 0.003	0.007
261669	< 3	< 0.003	0.006	0.053	0.001	< 0.003	< 0.003	< 0.003	0.006
261670	< 3	< 0.003	0.006	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.006
261671	< 3	< 0.003	0.004	0.039	0.001	< 0.003	< 0.003	< 0.003	0.006
261672	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261673	< 3	< 0.003	0.004	0.096	0.001	< 0.003	< 0.003	< 0.003	0.005
261674	< 3	< 0.003	0.003	0.079	0.001	< 0.003	< 0.003	< 0.003	0.005
261675	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.004
261676	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	0.004	< 0.003	0.004
261677	< 3	< 0.003	< 0.003	0.002	0.006	< 0.003	0.003	< 0.003	0.007
261678	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.004
261679	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	0.004
261680	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.004
261681	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.004
261682	< 3	< 0.003	< 0.003	0.006	0.002	< 0.003	< 0.003	< 0.003	0.004
261683	< 3	< 0.003	< 0.003	0.007	0.003	< 0.003	< 0.003	< 0.003	0.005
261684	4	< 0.003	< 0.003	1.11	0.003	0.044	0.005	0.006	0.010
261685	< 3	< 0.003	< 0.003	0.009	0.004	0.003	< 0.003	< 0.003	0.004
261686	< 3	< 0.003	< 0.003	0.018	0.002	< 0.003	< 0.003	< 0.003	0.002
261687	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261688	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261689	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261690	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261691	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261692	< 3	< 0.003	< 0.003	0.039	< 0.001	< 0.003	< 0.003	< 0.003	0.003
261693	< 3	< 0.003	< 0.003	0.064	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261694	< 3	< 0.003	< 0.003	0.062	< 0.001	0.004	< 0.003	< 0.003	0.001
261695	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.001
261696	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261697	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.001
261698	< 3	< 0.003	< 0.003	0.032	< 0.001	< 0.003	< 0.003	< 0.003	0.001

**Results**

**Activation Laboratories Ltd.**

**Report: A20-15892**

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261699	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.003
261700	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Mo	Ni	Pb	Zn	Li
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.003	0.003	0.001	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	133		2.06	25.4		46.8			
PTM-1a Cert	135		2.05	24.96		47.44			
PTM-1a Meas	133		2.04	25.2		46.8			
PTM-1a Cert	135		2.05	24.96		47.44			
PTM-1a Meas	129		2.09	24.1		46.8			
PTM-1a Cert	135		2.05	24.96		47.44			
PTM-1a Meas	128		2.12	24.0		45.6			
PTM-1a Cert	135		2.05	24.96		47.44			
PTM-1a Meas	127		2.04	24.6		45.8			
PTM-1a Cert	135		2.05	24.96		47.44			
OREAS 14P Meas			0.073	0.997		2.17			
OREAS 14P Cert			0.0750	0.997		2.10			
OREAS 14P Meas			0.074	0.975		2.11			
OREAS 14P Cert			0.0750	0.997		2.10			
OREAS 14P Meas			0.074	0.981		2.14			
OREAS 14P Cert			0.0750	0.997		2.10			
HV-2 Meas				0.602	0.048	< 0.003		0.005	
HV-2 Cert				0.570	0.0480			0.00560	
HV-2 Meas				0.609	0.053	< 0.003		0.005	
HV-2 Cert				0.570	0.0480			0.00560	
HV-2 Meas				0.597	0.049	< 0.003		0.005	
HV-2 Cert				0.570	0.0480			0.00560	
HV-2 Meas				0.578	0.055	< 0.003		0.005	
HV-2 Cert				0.570	0.0480			0.00560	
HV-2 Meas				0.574	0.049	< 0.003		0.005	
HV-2 Cert				0.570	0.0480			0.00560	
GBW 07238 (NCS DC 70006) Meas				0.009	1.47	0.004	< 0.003	0.007	
GBW 07238 (NCS DC 70006) Cert				0.00936	1.51	0.00178	0.00187	0.00655	
GBW 07238 (NCS DC 70006) Meas				0.010	1.46	0.004	< 0.003	0.008	
GBW 07238 (NCS DC 70006) Cert				0.00936	1.51	0.00178	0.00187	0.00655	
GBW 07238 (NCS DC 70006) Meas				0.011	1.46	< 0.003	< 0.003	0.008	
GBW 07238 (NCS DC 70006) Cert				0.00936	1.51	0.00178	0.00187	0.00655	
GBW 07238 (NCS DC 70006) Meas				0.010	1.48	< 0.003	< 0.003	0.008	
GBW 07238 (NCS DC 70006) Cert				0.00936	1.51	0.00178	0.00187	0.00655	
OREAS 134b (4 ACID) Meas	215	0.058	0.011	0.138			13.3	17.6	
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135			13.4	18.0	
OREAS 134b (4 ACID) Meas	208	0.059	0.011	0.137			13.3	18.0	
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135			13.4	18.0	



Analyte Symbol	Ag	Cd	Co	Cu	Mo	Ni	Pb	Zn	Li
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.003	0.003	0.001	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 134b (4 ACID) Meas	209	0.058	0.012	0.132			13.6	17.7	
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135			13.4	18.0	
OREAS 134b (4 ACID) Meas	211	0.057	0.010	0.134			13.8	18.1	
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135			13.4	18.0	
OREAS 134b (4 ACID) Meas	208	0.056	0.011	0.127			13.4	17.6	
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135			13.4	18.0	
MP-1b Meas	48	0.053		3.16	0.028		2.10	16.4	
MP-1b Cert	47	0.0527		3.07	0.029		2.09	16.7	
MP-1b Meas	47	0.053		3.03	0.027		2.08	16.2	
MP-1b Cert	47	0.0527		3.07	0.029		2.09	16.7	
MP-1b Meas	48	0.053		3.01	0.022		2.10	16.4	
MP-1b Cert	47	0.0527		3.07	0.029		2.09	16.7	
MP-1b Meas	47	0.050		2.91	0.020		2.08	16.3	
MP-1b Cert	47	0.0527		3.07	0.029		2.09	16.7	
OREAS 97 (4 Acid) Meas	19		0.007	6.30			0.017	0.064	
OREAS 97 (4 Acid) Cert	20		0.006	6.31			0.015	0.065	
OREAS 97 (4 Acid) Meas	19		0.007	6.51			0.017	0.061	
OREAS 97 (4 Acid) Cert	20		0.006	6.31			0.015	0.065	
OREAS 97 (4 Acid) Meas	19		0.007	6.48			0.013	0.060	
OREAS 97 (4 Acid) Cert	20		0.006	6.31			0.015	0.065	
OREAS 98 (4 Acid) Meas	45		0.012	15.0			0.035	0.136	
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8			0.035	0.136	
OREAS 98 (4 Acid) Meas	44		0.012	14.6			0.034	0.133	
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8			0.035	0.136	
OREAS 98 (4 Acid) Meas	45		0.013	14.7			0.032	0.132	
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8			0.035	0.136	
OREAS 98 (4 Acid) Meas	45		0.012	14.6			0.038	0.131	
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8			0.035	0.136	
OREAS 98 (4 Acid) Meas	44		0.012	14.7			0.034	0.132	
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8			0.035	0.136	
NCS DC86303 Meas									0.211
NCS DC86303 Cert									0.210

Analyte Symbol	Ag	Cd	Co	Cu	Mo	Ni	Pb	Zn	Li
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.003	0.003	0.001	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86303 Meas									0.215
NCS DC86303 Cert									0.210
NCS DC86303 Meas									0.206
NCS DC86303 Cert									0.210
NCS DC86303 Meas									0.216
NCS DC86303 Cert									0.210
NCS DC86303 Meas									0.216
NCS DC86303 Cert									0.210
NCS DC86314 Meas									1.81
NCS DC86314 Cert									1.81
NCS DC86314 Meas									1.83
NCS DC86314 Cert									1.81
NCS DC86314 Meas									1.89
NCS DC86314 Cert									1.81
NCS DC86314 Meas									1.88
NCS DC86314 Cert									1.81
NCS DC86314 Meas									1.85
NCS DC86314 Cert									1.81
CZN-4 Meas	50	0.257	0.009	0.411			0.180	56.6	
CZN-4 Cert	51	0.2604	0.009	0.403			0.1861	55.07	
CZN-4 Meas	49	0.264	0.009	0.417			0.187	55.9	
CZN-4 Cert	51	0.2604	0.009	0.403			0.1861	55.07	
CZN-4 Meas	50	0.258	0.009	0.402			0.180	56.8	
CZN-4 Cert	51	0.2604	0.009	0.403			0.1861	55.07	
CZN-4 Meas	51	0.260	0.010	0.413			0.180	55.9	
CZN-4 Cert	51	0.2604	0.009	0.403			0.1861	55.07	
CZN-4 Meas	49	0.263	0.010	0.406			0.185	54.4	
CZN-4 Cert	51	0.2604	0.0094	0.403			0.1861	55.07	
Lithium Tetraborate FX-LT 100 lot#220610B Meas									8.09
Lithium Tetraborate FX-LT 100 lot#220610B Cert									8
Lithium Tetraborate FX-LT									7.97

Analyte Symbol	Ag	Cd	Co	Cu	Mo	Ni	Pb	Zn	Li
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.003	0.003	0.001	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
100 lot#220610B Meas									
Lithium Tetraborate FX-LT 100 lot#220610B Cert									8
Lithium Tetraborate FX-LT 100 lot#220610B Meas									8.04
Lithium Tetraborate FX-LT 100 lot#220610B Cert									8
Lithium Tetraborate FX-LT 100 lot#220610B Meas									8.06
Lithium Tetraborate FX-LT 100 lot#220610B Cert									8
Lithium Tetraborate FX-LT 100 lot#220610B Meas									7.87
Lithium Tetraborate FX-LT 100 lot#220610B Cert									8
PTC-1b Meas	51		0.319	7.78		11.6	0.085	0.214	
PTC-1b Cert	53		0.325	7.97		11.29	0.080	0.2083	
PTC-1b Meas	53		0.305	7.82		11.3	0.085	0.206	
PTC-1b Cert	53		0.325	7.97		11.29	0.080	0.2083	
PTC-1b Meas	53		0.329	7.89		11.5	0.081	0.208	
PTC-1b Cert	53		0.325	7.97		11.29	0.080	0.2083	
PTC-1b Meas	56		0.332	7.97		11.2	0.084	0.206	
PTC-1b Cert	53		0.325	7.97		11.29	0.080	0.2083	
PTC-1b Meas	56		0.312	7.99		11.0	0.081	0.204	
PTC-1b Cert	53		0.325	7.97		11.29	0.080	0.2083	
CCU-1e Meas	206	0.007	0.031	23.7			0.722	3.06	
CCU-1e Cert	205	0.00742	0.0301	22.9			0.703	3.02	
CCU-1e Meas	205	0.008	0.030	22.6			0.752	2.98	
CCU-1e Cert	205	0.00742	0.0301	22.9			0.703	3.02	
CCU-1e Meas	210	0.007	0.033	23.2			0.716	2.95	
CCU-1e Cert	205	0.00742	0.0301	22.9			0.703	3.02	
CCU-1e Meas	212	0.007	0.033	23.4			0.719	3.04	
CCU-1e Cert	205	0.00742	0.0301	22.9			0.703	3.02	
CCU-1e Meas	207	0.007	0.032	23.6			0.720	3.03	
CCU-1e Cert	205	0.00742	0.0301	22.9			0.703	3.02	
OREAS 96 (4 Acid) Meas	11		0.005	4.10			0.017	0.045	
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93			0.0101	0.0457	
OREAS 96 (4 Acid) Meas	11		0.005	4.13			0.011	0.045	

Analyte Symbol	Ag	Cd	Co	Cu	Mo	Ni	Pb	Zn	Li
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.003	0.003	0.001	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93			0.0101	0.0457	
OREAS 96 (4 Acid) Meas	11		0.005	3.83			0.012	0.044	
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93			0.0101	0.0457	
OREAS 96 (4 Acid) Meas	11		0.004	3.88			0.009	0.043	
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93			0.0101	0.0457	
OREAS 96 (4 Acid) Meas	12		0.005	3.77			0.010	0.044	
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93			0.0101	0.0457	
OREAS 352 (4-Acid) Meas	9	0.005		0.067			51.9	2.28	
OREAS 352 (4-Acid) Cert	9	0.006		0.064			51.9	2.21	
OREAS 352 (4-Acid) Meas	10	0.005		0.064			51.9	2.26	
OREAS 352 (4-Acid) Cert	9.4	0.006		0.064			51.9	2.21	
OREAS 352 (4-Acid) Meas	9	0.005		0.062			51.8	2.20	
OREAS 352 (4-Acid) Cert	9	0.006		0.064			51.9	2.21	
OREAS 352 (4-Acid) Meas	13	0.005		0.060			51.9	2.18	
OREAS 352 (4-Acid) Cert	9.4	0.006		0.064			51.9	2.21	
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.006	0.156	0.007	< 0.003	0.040	
NCS DC73520 Cert	0.1	0.00005	0.001	0.005	0.150	0.005	0.001	0.036	
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005	0.140	0.006	< 0.003	0.039	
NCS DC73520 Cert	0.1	0.00005	0.001	0.005	0.150	0.005	0.001	0.036	
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005	0.152	0.006	< 0.003	0.038	
NCS DC73520 Cert	0.1	0.00005	0.001	0.005	0.150	0.005	0.001	0.036	
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005	0.155	0.006	< 0.003	0.038	
NCS DC73520 Cert	0.1	0.00005	0.001	0.005	0.150	0.005	0.001	0.036	
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005	0.151	0.006	< 0.003	0.038	
NCS DC73520 Cert	0.1	0.00005	0.001	0.005	0.150	0.005	0.001	0.036	
261525 Orig	< 3	< 0.003	< 0.003	0.006	< 0.003	< 0.003	< 0.003	0.001	< 0.001
261525 Dup	< 3	< 0.003	< 0.003	0.007	< 0.003	< 0.003	< 0.003	0.001	< 0.001
261533 Orig	< 3	< 0.003	< 0.003	0.002	< 0.003	< 0.003	< 0.003	0.001	< 0.001
261533 Dup	< 3	< 0.003	< 0.003	0.002	< 0.003	< 0.003	< 0.003	0.002	< 0.001
261550 Split PREP DUP	< 3	< 0.003	< 0.003	0.011	< 0.003	< 0.003	< 0.003	0.001	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Mo	Ni	Pb	Zn	Li
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.003	0.003	0.003	0.001	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261558 Orig	< 3	< 0.003	< 0.003	0.004	< 0.003	< 0.003	< 0.003	0.005	0.002
261558 Dup	< 3	< 0.003	0.003	0.004	< 0.003	< 0.003	< 0.003	0.006	0.002
261571 Orig	< 3	< 0.003	0.005	0.005	< 0.003	0.013	< 0.003	0.006	0.006
261571 Dup	< 3	< 0.003	0.005	0.005	< 0.003	0.014	< 0.003	0.005	0.006
261579 Orig	< 3	< 0.003	0.005	0.001	< 0.003	0.020	< 0.003	0.005	0.003
261579 Dup	< 3	< 0.003	0.005	0.003	< 0.003	0.020	< 0.003	0.005	0.003
261600 Split PREP DUP	< 3	< 0.003	0.010	0.005	< 0.003	0.100	< 0.003	0.006	< 0.001
261604 Orig	< 3	< 0.003	0.004	0.002	0.007	0.011	< 0.003	0.009	0.004
261604 Dup	< 3	< 0.003	0.004	0.002	0.010	0.010	< 0.003	0.008	0.004
261612 Orig	< 3	< 0.003	< 0.003	0.766	0.021	0.004	< 0.003	0.011	0.004
261612 Dup	< 3	< 0.003	< 0.003	0.779	0.021	0.004	< 0.003	0.011	0.004
261637 Orig	< 3	< 0.003	0.003	0.005	< 0.003	0.004	< 0.003	0.005	0.002
261637 Dup	< 3	< 0.003	0.003	0.005	< 0.003	0.004	< 0.003	0.005	0.001
261645 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.004	0.002
261645 Dup	< 3	< 0.003	< 0.003	0.001	< 0.003	< 0.003	< 0.003	0.004	0.002
261650 Split PREP DUP	< 3	< 0.003	< 0.003	< 0.001	0.003	0.004	< 0.003	0.004	0.002
261670 Orig	< 3	< 0.003	0.006	0.044	< 0.003	< 0.003	< 0.003	0.006	< 0.001
261670 Dup	< 3	< 0.003	0.006	0.043	< 0.003	< 0.003	< 0.003	0.006	< 0.001
261683 Orig	< 3	< 0.003	< 0.003	0.007	< 0.003	< 0.003	< 0.003	0.004	0.004
261683 Dup	< 3	< 0.003	< 0.003	0.007	< 0.003	< 0.003	< 0.003	0.005	0.003
261700 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.009	< 0.003	< 0.003	< 0.003	0.001	< 0.001
261700 Split PREP DUP	< 3	< 0.003	< 0.003	0.008	< 0.003	< 0.003	< 0.003	0.002	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	< 0.001
Method Blank	< 3	< 0.003	< 0.003	0.002	< 0.003	0.004	< 0.003	< 0.001	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	< 0.003	< 0.001	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001	< 0.001



Report No.: A20-15892-Au
Report Date: 26-Jan-21
Date Submitted: 08-Dec-20
Your Reference: 234-GOS

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

200 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
Row 1: 1A4 (100mesh)-Tbay | QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)

REPORT A20-15892-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Report No.: A20-15892-Au  
Report Date: 26-Jan-21  
Date Submitted: 08-Dec-20  
Your Reference: 234-GOS

IAMGOLD Corporation  
2140 Regent Street Unit 10  
Sudbury Ontario P3E 5S8  
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

200 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2021-01-19 08:36:19
1A3-50-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-01-20 14:54:24

REPORT A20-15892-Au

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:



Emmanuel Esemé, Ph.D.  
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
261501	0.076								
261502	0.038								
261503	0.057								
261504	0.148								
261505	0.024								
261506	0.384								
261507	0.080								
261508	0.031								
261509	0.061								
261510	0.038								
261511	0.058								
261512	0.475								
261513	0.151								
261514	0.040								
261515	2.095								
261516	0.035								
261517	0.020								
261518	0.371								
261519	1.815								
261520	0.161								
261521	0.027								
261522	0.035								
261523	0.013								
261524	0.007								
261525	0.337								
261526	0.035								
261527	1.441								
261528	0.013								
261529	0.019								
261530	0.507								
261531	1.203								
261532	0.013								
261533	0.022								
261534	0.066								
261535	0.079								
261536	0.669								
261537	0.156								
261538	0.434								
261539	0.180								
261540	0.068								
261541	0.062								
261542	0.376								
261543	0.138								
261544	0.028								
261545	0.014								
261546	0.044								
261547	0.024								
261548	0.006								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
261549	0.057								
261550	0.028								
261551	> 5.000	8.94	8.10	14.3	13.4	13.4	41.61	446.20	487.81
261552	0.127								
261553	0.037								
261554	0.019								
261555	0.022								
261556	0.016								
261557	0.026								
261558	0.013								
261559	> 5.000	7.95	149	14.0	11.9	23.7	38.60	451.03	489.63
261560	0.184								
261561	0.318								
261562	0.024								
261563	0.110								
261564	0.118								
261565	0.141								
261566	0.168								
261567	1.053								
261568	1.332								
261569	0.010								
261570	0.006								
261571	0.018								
261572	< 0.005								
261573	0.097								
261574	0.028								
261575	0.011								
261576	0.009								
261577	0.007								
261578	0.006								
261579	0.036								
261580	0.043								
261581	0.005								
261582	< 0.005								
261583	0.005								
261584	1.534								
261585	0.015								
261586	0.226								
261587	0.006								
261588	0.010								
261589	> 5.000	8.48	8.56	11.0	11.9	11.3	36.11	459.86	495.97
261590	> 5.000	12.1	31.6	11.6	12.0	13.4	40.74	455.52	496.26
261591	0.107								
261592	0.301								
261593	0.029								
261594	0.010								
261595	0.013								
261596	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
261597	0.009								
261598	0.010								
261599	0.087								
261600	0.082								
261601	0.110								
261602	0.111								
261603	0.374								
261604	0.656								
261605	0.335								
261606	0.015								
261607	0.009								
261608	0.759								
261609	0.527								
261610	0.029								
261611	< 0.005								
261612	0.512								
261613	< 0.005								
261614	0.006								
261615	< 0.005								
261616	< 0.005								
261617	< 0.005								
261618	0.009								
261619	0.043								
261620	0.060								
261621	< 0.005								
261622	< 0.005								
261623	0.005								
261624	< 0.005								
261625	< 0.005								
261626	< 0.005								
261627	< 0.005								
261628	< 0.005								
261629	0.005								
261630	0.006								
261631	< 0.005								
261632	< 0.005								
261633	< 0.005								
261634	< 0.005								
261635	< 0.005								
261636	0.647								
261637	0.007								
261638	0.021								
261639	0.005								
261640	0.005								
261641	< 0.005								
261642	< 0.005								
261643	0.049								
261644	0.009								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
261645	0.014								
261646	0.019								
261647	0.049								
261648	< 0.005								
261649	0.012								
261650	0.013								
261651	0.065								
261652	0.007								
261653	0.009								
261654	0.313								
261655	1.384								
261656	0.068								
261657	0.087								
261658	0.145								
261659	0.147								
261660	0.170								
261661	0.113								
261662	0.350								
261663	2.132								
261664	0.365								
261665	1.245								
261666	> 5.000	58.1	109	48.2	42.0	50.0	37.49	453.37	490.86
261667	0.009								
261668	0.014								
261669	0.682								
261670	0.022								
261671	0.108								
261672	< 0.005								
261673	0.116								
261674	0.091								
261675	0.029								
261676	< 0.005								
261677	< 0.005								
261678	0.007								
261679	0.011								
261680	0.017								
261681	0.009								
261682	0.006								
261683	0.005								
261684	1.495								
261685	0.025								
261686	0.029								
261687	0.016								
261688	0.136								
261689	0.026								
261690	0.017								
261691	0.056								
261692	0.039								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
261693	0.078								
261694	0.052								
261695	0.017								
261696	< 0.005								
261697	0.021								
261698	0.040								
261699	0.031								
261700	0.013								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 257 Meas		14.2	14.3	
OREAS 257 Cert		14.18	14.18	
Oreas 237 (fire Assay) Meas	2.236			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.147			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.260			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.189			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.243			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.290			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.210			
Oreas 237 (fire Assay) Cert	2.21			
Oreas 237 (fire Assay) Meas	2.186			
Oreas 237 (fire Assay) Cert	2.21			
OREAS 228b (Fire Assay) Meas		8.67	8.48	
OREAS 228b (Fire Assay) Cert		8.57	8.57	
Oreas E1336 (Fire Assay) Meas	0.516			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.499			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.502			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.496			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.523			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.512			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.494			
Oreas E1336 (Fire Assay) Cert	0.510			
Oreas E1336 (Fire Assay) Meas	0.518			
Oreas E1336 (Fire Assay) Cert	0.510			
261520 Orig	0.156			
261520 Dup	0.166			
261530 Orig	0.490			
261530 Dup	0.525			
261545 Orig	0.012			
261545 Dup	0.016			
261550 Split Orig PREP DUP	0.028			
261550 Split PREP DUP	0.022			
261554 Orig	0.018			
261554 Dup	0.020			
261589 Orig	> 5.000		11.3	495.97
261589 Dup	> 5.000			
261599 Orig	0.084			
261599 Dup	0.091			
261600 Split Orig PREP DUP	0.082			
261600 Split PREP DUP	0.089			
261613 Orig	< 0.005			
261613 Dup	< 0.005			
261623 Orig	0.005			
261623 Dup	0.005			
261633 Orig	< 0.005			
261633 Dup	0.006			
261648 Orig	< 0.005			
261648 Dup	< 0.005			
261650 Split Orig PREP DUP	0.013			
261650 Split PREP DUP	0.008			
261657 Orig	0.094			
261657 Dup	0.079			
261667 Orig	0.009			
261667 Dup	0.009			
261685 Orig	0.024			
261685 Dup	0.027			
261692 Orig	0.038			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g
Lower Limit	0.005	0.02	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
261692 Dup	0.040			
261700 Split Orig PREP DUP	0.013			
261700 Split PREP DUP	0.018			
Method Blank	< 0.005			
Method Blank	0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank		< 0.02		
Method Blank		< 0.02		
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank	< 0.005			
Method Blank			< 0.03	
Method Blank			< 0.03	



Report No.: A20-15895-8-4Acid
Report Date: 01-Mar-21
Date Submitted: 10-Dec-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

288 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2021-02-17 18:20:38

REPORT A20-15895-8-4Acid

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261701	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.003
261702	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.003
261703	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.002
261704	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
261705	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261706	< 3	< 0.003	< 0.003	0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
261707	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.003
261708	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
261709	< 3	< 0.003	< 0.003	0.046	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261710	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261711	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261712	< 3	< 0.003	< 0.003	0.788	0.004	0.018	0.004	< 0.003	0.011
261713	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261714	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261715	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261716	< 3	< 0.003	< 0.003	0.047	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261717	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261718	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261719	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261720	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261721	< 3	< 0.003	< 0.003	0.028	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261722	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261723	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261724	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261725	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261726	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261727	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261728	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261729	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261730	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261731	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261732	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261733	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261734	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261735	< 3	< 0.003	< 0.003	0.062	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261736	< 3	< 0.003	< 0.003	0.517	0.004	0.031	0.003	< 0.003	0.007
261737	< 3	< 0.003	< 0.003	0.070	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261738	< 3	< 0.003	< 0.003	0.059	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261739	< 3	< 0.003	< 0.003	0.043	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261740	< 3	< 0.003	< 0.003	0.088	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261741	< 3	< 0.003	< 0.003	0.102	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261742	< 3	< 0.003	< 0.003	0.144	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261743	< 3	< 0.003	< 0.003	0.151	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261744	< 3	< 0.003	< 0.003	0.099	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261745	< 3	< 0.003	< 0.003	0.085	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261746	< 3	< 0.003	0.003	0.013	0.007	< 0.003	0.003	< 0.003	0.006
261747	< 3	< 0.003	< 0.003	0.146	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261748	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261749	< 3	< 0.003	< 0.003	0.172	< 0.001	< 0.003	0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261750	< 3	< 0.003	< 0.003	0.154	< 0.001	< 0.003	0.003	< 0.003	< 0.001
261751	< 3	< 0.003	< 0.003	0.053	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261752	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261753	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261754	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261755	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261756	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261757	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261758	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261759	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261760	< 3	< 0.003	< 0.003	0.608	0.006	0.007	< 0.003	< 0.003	0.015
261761	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261762	< 3	< 0.003	< 0.003	0.035	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261763	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261764	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261765	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261766	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261767	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261768	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261769	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261770	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261771	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261772	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261773	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261774	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261775	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261776	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261777	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261778	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261779	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261780	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261781	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261782	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261783	< 3	< 0.003	< 0.003	0.066	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261784	4	< 0.003	< 0.003	1.07	0.003	0.050	0.005	0.006	0.010
261785	< 3	< 0.003	< 0.003	0.165	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261786	< 3	< 0.003	< 0.003	0.267	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261787	< 3	< 0.003	< 0.003	0.066	0.002	< 0.003	< 0.003	< 0.003	0.002
261788	< 3	< 0.003	< 0.003	0.088	0.004	< 0.003	< 0.003	< 0.003	0.004
261789	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261790	< 3	< 0.003	< 0.003	0.073	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261791	< 3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261792	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261793	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261794	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261795	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261796	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261797	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261798	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261799	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261800	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261801	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
261802	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261803	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
261804	< 3	< 0.003	< 0.003	0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
261805	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
261806	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
261807	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.002
261808	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.002
261809	< 3	< 0.003	< 0.003	0.038	0.002	< 0.003	< 0.003	< 0.003	0.002
261810	< 3	< 0.003	< 0.003	0.031	0.002	< 0.003	< 0.003	< 0.003	0.002
261811	< 3	< 0.003	< 0.003	0.059	0.002	< 0.003	< 0.003	< 0.003	0.002
261812	< 3	< 0.003	< 0.003	0.774	0.004	0.022	0.005	< 0.003	0.011
261813	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.002
261814	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261815	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.002
261816	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
261817	< 3	< 0.003	< 0.003	0.026	0.002	< 0.003	< 0.003	< 0.003	0.002
261818	< 3	< 0.003	< 0.003	0.023	0.001	< 0.003	< 0.003	< 0.003	0.002
261819	< 3	< 0.003	< 0.003	0.094	0.001	< 0.003	< 0.003	< 0.003	0.002
261820	< 3	< 0.003	< 0.003	0.230	0.003	< 0.003	< 0.003	< 0.003	0.002
261821	< 3	< 0.003	< 0.003	0.130	0.006	< 0.003	< 0.003	< 0.003	0.004
261822	< 3	< 0.003	0.005	0.018	0.010	< 0.003	0.007	< 0.003	0.008
261823	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261824	< 3	< 0.003	0.005	< 0.001	0.010	< 0.003	0.009	< 0.003	0.009
261825	< 3	< 0.003	0.004	< 0.001	0.007	< 0.003	0.008	< 0.003	0.007
261826	< 3	< 0.003	0.003	< 0.001	0.008	< 0.003	0.008	< 0.003	0.008
261827	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261828	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261829	< 3	< 0.003	< 0.003	0.095	0.002	< 0.003	< 0.003	< 0.003	0.002
261830	< 3	< 0.003	< 0.003	0.106	0.002	< 0.003	< 0.003	< 0.003	0.003
261831	< 3	< 0.003	0.004	0.002	0.008	< 0.003	0.005	< 0.003	0.009
261832	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
261833	< 3	< 0.003	0.004	0.006	0.002	< 0.003	0.006	< 0.003	0.008
261834	< 3	< 0.003	0.004	0.006	0.001	< 0.003	0.009	< 0.003	0.010
261835	< 3	< 0.003	0.003	0.002	0.006	< 0.003	0.008	< 0.003	0.008
261836	< 3	< 0.003	< 0.003	0.532	0.003	0.034	0.004	< 0.003	0.008
261837	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261838	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261839	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261840	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261841	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261842	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261843	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261844	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261845	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261846	< 3	< 0.003	< 0.003	0.016	0.004	< 0.003	< 0.003	< 0.003	0.003
261847	< 3	< 0.003	< 0.003	< 0.001	0.004	< 0.003	< 0.003	< 0.003	0.004
261848	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261849	< 3	< 0.003	< 0.003	< 0.001	0.006	< 0.003	< 0.003	< 0.003	0.005
261850	< 3	< 0.003	< 0.003	< 0.001	0.006	< 0.003	< 0.003	< 0.003	0.005
261851	< 3	< 0.003	< 0.003	0.005	0.003	< 0.003	0.003	< 0.003	0.005
261852	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
261853	< 3	< 0.003	< 0.003	0.019	0.002	< 0.003	< 0.003	< 0.003	0.003
261854	< 3	< 0.003	0.003	< 0.001	0.008	< 0.003	0.007	< 0.003	0.008
261855	< 3	< 0.003	0.003	0.002	0.004	< 0.003	0.006	< 0.003	0.007
261856	< 3	< 0.003	< 0.003	< 0.001	0.006	< 0.003	0.008	< 0.003	0.006
261857	< 3	< 0.003	0.004	< 0.001	0.007	< 0.003	0.008	< 0.003	0.007
261858	< 3	< 0.003	0.003	< 0.001	0.007	< 0.003	0.009	< 0.003	0.009
261859	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.002
261860	< 3	< 0.003	< 0.003	0.601	0.006	0.011	< 0.003	< 0.003	0.017
261861	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.002
261862	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
261863	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261864	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261865	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	0.008	< 0.003	0.003
261866	< 3	< 0.003	0.004	0.001	0.009	< 0.003	0.018	< 0.003	0.006
261867	< 3	< 0.003	0.004	0.005	0.008	< 0.003	0.026	< 0.003	0.005
261868	< 3	< 0.003	0.007	0.002	0.008	< 0.003	0.060	< 0.003	0.006
261869	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261870	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261871	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	0.005	< 0.003	0.002
261872	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261873	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.002
261874	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.002
261875	< 3	< 0.003	0.004	< 0.001	0.010	< 0.003	0.008	< 0.003	0.005
261876	< 3	< 0.003	0.005	0.001	0.011	< 0.003	0.012	< 0.003	0.007
261877	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
261878	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.001
261879	< 3	< 0.003	0.005	0.005	0.009	< 0.003	0.011	< 0.003	0.007
261880	< 3	< 0.003	0.005	< 0.001	0.012	< 0.003	0.021	< 0.003	0.007
261881	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261882	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261883	< 3	< 0.003	< 0.003	0.001	0.001	< 0.003	0.003	< 0.003	0.003
261884	4	< 0.003	< 0.003	1.11	0.003	0.052	0.005	0.005	0.012
261885	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261886	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
261887	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
261888	< 3	< 0.003	0.005	< 0.001	0.010	< 0.003	0.021	< 0.003	0.007
261889	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261890	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261891	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261892	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261893	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261894	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
261895	< 3	< 0.003	< 0.003	0.010	0.002	< 0.003	< 0.003	< 0.003	0.003
261896	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261897	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261898	< 3	< 0.003	< 0.003	0.013	< 0.001	0.005	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261899	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261900	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261901	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261902	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261903	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261904	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261905	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261906	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	0.007	< 0.003	0.002
261907	< 3	< 0.003	< 0.003	0.033	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261908	< 3	< 0.003	< 0.003	0.025	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261909	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261910	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261911	< 3	< 0.003	< 0.003	0.083	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261912	< 3	< 0.003	< 0.003	0.749	0.004	0.022	0.004	< 0.003	0.011
261913	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261914	< 3	< 0.003	0.004	0.004	0.005	< 0.003	0.004	< 0.003	0.007
261915	< 3	< 0.003	< 0.003	0.004	0.004	< 0.003	< 0.003	< 0.003	0.006
261916	< 3	< 0.003	0.004	0.001	0.007	< 0.003	< 0.003	< 0.003	0.006
261917	< 3	< 0.003	< 0.003	0.041	0.002	0.013	< 0.003	< 0.003	0.002
261918	< 3	< 0.003	< 0.003	0.095	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261919	< 3	< 0.003	0.003	2.16	0.001	< 0.003	0.006	< 0.003	0.002
261920	< 3	< 0.003	< 0.003	0.003	0.003	< 0.003	< 0.003	< 0.003	0.002
261921	< 3	< 0.003	< 0.003	0.040	0.002	< 0.003	< 0.003	< 0.003	0.002
261922	< 3	< 0.003	< 0.003	0.086	0.002	< 0.003	< 0.003	< 0.003	0.002
261923	< 3	< 0.003	< 0.003	0.126	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261924	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261925	< 3	< 0.003	< 0.003	0.239	0.001	< 0.003	< 0.003	< 0.003	0.002
261926	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	0.002
261927	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	0.002
261928	< 3	< 0.003	< 0.003	0.027	0.001	< 0.003	< 0.003	< 0.003	0.002
261929	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.002
261930	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
261931	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.002
261932	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.002
261933	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
261934	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.001
261935	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.002
261936	< 3	< 0.003	< 0.003	0.520	0.003	0.034	0.003	< 0.003	0.007
261937	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
261938	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261939	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261940	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261941	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261942	< 3	< 0.003	< 0.003	0.020	0.002	< 0.003	< 0.003	< 0.003	0.003
261943	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261944	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261945	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
261946	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261947	< 3	< 0.003	< 0.003	0.146	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
261948	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261949	< 3	< 0.003	< 0.003	0.054	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261950	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261951	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261952	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261953	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261954	< 3	< 0.003	< 0.003	0.159	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261955	< 3	< 0.003	< 0.003	0.313	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261956	< 3	< 0.003	< 0.003	0.154	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261957	< 3	< 0.003	< 0.003	0.191	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261958	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261959	< 3	< 0.003	< 0.003	0.082	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261960	< 3	< 0.003	< 0.003	0.639	0.006	0.011	< 0.003	< 0.003	0.016
261961	< 3	< 0.003	< 0.003	0.100	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261962	< 3	< 0.003	< 0.003	0.163	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261963	< 3	< 0.003	< 0.003	0.266	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261964	< 3	< 0.003	< 0.003	0.542	< 0.001	< 0.003	0.003	< 0.003	0.001
261965	< 3	< 0.003	< 0.003	0.253	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261966	< 3	< 0.003	< 0.003	0.042	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261967	< 3	< 0.003	< 0.003	0.044	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261968	< 3	< 0.003	< 0.003	0.020	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261969	< 3	< 0.003	< 0.003	0.017	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261970	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261971	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.003
261972	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
261973	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261974	< 3	< 0.003	< 0.003	0.135	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261975	< 3	< 0.003	< 0.003	0.065	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261976	< 3	< 0.003	< 0.003	0.038	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261977	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261978	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261979	< 3	< 0.003	< 0.003	0.049	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261980	< 3	< 0.003	< 0.003	0.106	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261981	< 3	< 0.003	< 0.003	0.075	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261982	< 3	< 0.003	< 0.003	0.048	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261983	< 3	< 0.003	< 0.003	0.056	< 0.001	< 0.003	< 0.003	< 0.003	0.005
261984	4	< 0.003	< 0.003	1.09	0.003	0.051	0.005	0.005	0.010
261985	< 3	< 0.003	< 0.003	0.478	< 0.001	< 0.003	< 0.003	< 0.003	0.003
261986	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261987	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261988	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	129		2.02	24.3			45.8		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	130		2.05	24.0			47.2		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	129		2.06	23.9			46.3		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	132		2.03	24.4			46.3		
PTM-1a Cert	135		2.05	24.96			47.44		
OREAS 14P Meas			0.072	0.976			2.10		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.978			2.12		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.072	0.954			2.08		
OREAS 14P Cert			0.0750	0.997			2.10		
OREAS 14P Meas			0.070	0.966			2.12		
OREAS 14P Cert			0.0750	0.997			2.10		
HV-2 Meas				0.559		0.048	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.553		0.049	< 0.003		0.006
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.579		0.048	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.567		0.053	< 0.003		0.004
HV-2 Cert				0.570		0.0480			0.00560
GBW 07238 (NCS DC 70006) Meas				0.009		1.43	0.003	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.45	0.005	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.45	0.004	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.008		1.45	0.003	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
OREAS 134b (4 ACID) Meas	211	0.057	0.011	0.129				12.1	17.8
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	209	0.057	0.011	0.130				13.5	17.7
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	210	0.057	0.011	0.131				13.1	17.5

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	211	0.056	0.011	0.132				13.3	17.8
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
MP-1b Meas	47	0.051		2.86		0.027		2.07	16.5
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.054		3.01		0.027		2.12	16.9
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.053		2.98		0.027		2.05	16.3
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	48	0.052		2.94		0.023		2.07	16.6
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
OREAS 97 (4 Acid) Meas	20		0.007	6.36				0.014	0.063
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.04				0.017	0.060
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	20		0.007	6.09				0.016	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	19		0.007	6.15				0.016	0.059
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 98 (4 Acid) Meas	45		0.013	14.1				0.034	0.136
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	15.3				0.033	0.134
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.8				0.033	0.132
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45		0.013	14.7				0.033	0.130
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
NCS DC86303 Meas					0.219				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.210				
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.210				



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
NCS DC86303 Cert					0.210				
NCS DC86303 Meas					0.218				
NCS DC86303 Cert					0.210				
NCS DC86314 Meas					1.92				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.81				
NCS DC86314 Cert					1.81				
NCS DC86314 Meas					1.84				
NCS DC86314 Cert					1.81				
CZN-4 Meas	50	0.257	0.011	0.393				0.183	53.7
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	51	0.259	0.010	0.410				0.184	54.7
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	50	0.259	0.010	0.393				0.183	55.1
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.255	0.010	0.404				0.184	54.3
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.89				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					8.12				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.88				
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
Lithium Tetraborate FX-LT 100 lot#220610B Meas					7.81				

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Lithium Tetraborate FX-LT 100 lot#220610B Cert					8				
PTC-1b Meas	51		0.311	7.64			11.1	0.080	0.203
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.325	7.69			11.6	0.082	0.211
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	54		0.325	7.79			11.2	0.081	0.202
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.317	7.86			11.1	0.080	0.200
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
CCU-1e Meas	206	0.007	0.031	21.9				0.721	3.05
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	202	0.007	0.031	23.2				0.709	2.96
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	207	0.008	0.032	23.6				0.714	3.07
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	200	0.007	0.031	22.0				0.708	2.88
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
OREAS 96 (4 Acid) Meas	11		0.005	3.87				0.012	0.046
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.75				0.009	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	12		0.006	3.77				0.012	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.82				0.010	0.043
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 352 4-Acid Meas	13	0.005		0.063				51.9	2.18
OREAS 352 4-Acid Cert	9.4	0.006		0.064				51.9	2.21
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.152	0.006	< 0.003	0.039
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.154	0.007	< 0.003	0.039
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.005		0.152	0.007	< 0.003	0.037
NCS DC73520 Cert	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036
NCS DC73520 Meas	< 3	< 0.003	< 0.003	0.004		0.147	0.006	< 0.003	0.037
NCS DC73520	0.1	0.00005	0.001	0.005		0.150	0.005	0.001	0.036

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Cert									
261703 Orig	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.001
261703 Dup	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.002
261726 Orig	< 3	< 0.003	< 0.003	0.021	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261726 Dup	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261734 Orig	< 3	< 0.003	< 0.003	0.029	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261734 Dup	< 3	< 0.003	< 0.003	0.030	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261750 Split	< 3	< 0.003	< 0.003	0.148	< 0.001	< 0.003	0.003	< 0.003	0.001
261759 Orig	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261759 Dup	< 3	< 0.003	< 0.003	0.068	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261767 Orig	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261767 Dup	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261792 Orig	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261792 Dup	< 3	< 0.003	< 0.003	0.011	< 0.001	0.004	< 0.003	< 0.003	< 0.001
261800 Split PREP DUP	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261800 Orig	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261800 Dup	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261810 Orig	< 3	< 0.003	< 0.003	0.032	0.002	< 0.003	< 0.003	< 0.003	0.002
261810 Dup	< 3	< 0.003	< 0.003	0.031	0.002	< 0.003	< 0.003	< 0.003	0.002
261838 Orig	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261838 Dup	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261846 Orig	< 3	< 0.003	< 0.003	0.017	0.004	< 0.003	< 0.003	< 0.003	0.003
261846 Dup	< 3	< 0.003	< 0.003	0.016	0.004	< 0.003	< 0.003	< 0.003	0.003
261850 Split	< 3	< 0.003	< 0.003	0.006	0.006	< 0.003	< 0.003	< 0.003	0.005
261871 Orig	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	0.006	< 0.003	0.002
261871 Dup	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	0.004	< 0.003	0.002
261879 Orig	< 3	< 0.003	0.005	0.005	0.009	< 0.003	0.012	< 0.003	0.008
261879 Dup	< 3	< 0.003	0.005	0.005	0.009	< 0.003	0.011	< 0.003	0.007
261900 Split PREP DUP	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261904 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261904 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261912 Orig	< 3	< 0.003	< 0.003	0.754	0.004	0.022	0.004	< 0.003	0.011
261912 Dup	< 3	< 0.003	< 0.003	0.744	0.004	0.022	0.004	< 0.003	0.011
261923 Orig	< 3	< 0.003	< 0.003	0.123	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261923 Dup	< 3	< 0.003	< 0.003	0.128	0.001	< 0.003	< 0.003	< 0.003	0.002
261950 Split Orig	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261950 Split	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261950 Orig	< 3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261950 Dup	< 3	< 0.003	< 0.003	0.052	< 0.001	< 0.003	< 0.003	< 0.003	0.001
261958 Orig	< 3	< 0.003	< 0.003	0.081	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261958 Dup	< 3	< 0.003	< 0.003	0.080	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261976 Orig	< 3	< 0.003	< 0.003	0.040	< 0.001	< 0.003	< 0.003	< 0.003	0.002
261976 Dup	< 3	< 0.003	< 0.003	0.036	< 0.001	< 0.003	< 0.003	< 0.003	0.002
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



IAMGOLD Corporation  
 2140 Regent Street Unit 10  
 Sudbury Ontario P3E 5S8  
 Canada

Report No.: A20-15895-Au  
 Report Date: 08-Jan-21  
 Date Submitted: 10-Dec-20  
 Your Reference: GOS-234

ATTN: Alan Smith

## CERTIFICATE OF ANALYSIS

288 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (ppm)	QOP AA-Au (Au - Fire Assay AA)	2021-01-04 12:33:53

REPORT **A20-15895-Au**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

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Elitsa Hrischeva, Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
261701	0.010
261702	0.041
261703	0.005
261704	0.021
261705	0.007
261706	0.007
261707	0.011
261708	0.029
261709	0.031
261710	0.045
261711	0.038
261712	0.494
261713	0.036
261714	0.023
261715	0.024
261716	0.038
261717	0.011
261718	0.011
261719	0.015
261720	0.014
261721	0.015
261722	0.016
261723	0.014
261724	0.007
261725	0.014
261726	0.021
261727	0.023
261728	0.034
261729	0.058
261730	0.025
261731	0.028
261732	0.030
261733	0.028
261734	0.012
261735	0.024
261736	0.487
261737	0.034
261738	0.028
261739	0.035
261740	0.055
261741	0.065
261742	0.048
261743	0.042
261744	0.112
261745	0.206
261746	0.013
261747	0.151
261748	< 0.005
261749	0.153
261750	0.103
261751	0.050

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
261752	0.011
261753	< 0.005
261754	< 0.005
261755	0.015
261756	0.008
261757	0.049
261758	0.027
261759	0.051
261760	0.225
261761	0.005
261762	0.032
261763	0.020
261764	< 0.005
261765	< 0.005
261766	< 0.005
261767	< 0.005
261768	0.015
261769	0.015
261770	0.006
261771	< 0.005
261772	< 0.005
261773	< 0.005
261774	0.009
261775	0.017
261776	0.015
261777	0.028
261778	0.023
261779	0.024
261780	0.006
261781	0.032
261782	0.072
261783	0.055
261784	1.565
261785	0.301
261786	0.101
261787	0.176
261788	1.117
261789	0.145
261790	0.111
261791	0.091
261792	0.024
261793	0.015
261794	0.010
261795	0.006
261796	< 0.005
261797	0.005
261798	0.012
261799	< 0.005
261800	< 0.005
261801	< 0.005
261802	0.005

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
261803	< 0.005
261804	0.007
261805	0.018
261806	0.023
261807	0.047
261808	0.047
261809	0.055
261810	0.039
261811	0.084
261812	0.488
261813	0.035
261814	0.028
261815	0.046
261816	0.039
261817	0.073
261818	0.040
261819	0.197
261820	0.399
261821	0.282
261822	0.032
261823	< 0.005
261824	0.009
261825	0.005
261826	0.018
261827	0.047
261828	0.260
261829	0.368
261830	0.359
261831	2.991
261832	0.055
261833	0.010
261834	< 0.005
261835	< 0.005
261836	0.667
261837	< 0.005
261838	0.009
261839	0.030
261840	0.006
261841	< 0.005
261842	< 0.005
261843	< 0.005
261844	0.021
261845	0.015
261846	0.064
261847	0.021
261848	< 0.005
261849	0.039
261850	0.023
261851	< 0.005
261852	0.017
261853	0.070



Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
261854	< 0.005
261855	< 0.005
261856	< 0.005
261857	< 0.005
261858	< 0.005
261859	< 0.005
261860	0.223
261861	0.008
261862	< 0.005
261863	< 0.005
261864	< 0.005
261865	< 0.005
261866	< 0.005
261867	< 0.005
261868	< 0.005
261869	0.012
261870	0.007
261871	0.009
261872	< 0.005
261873	0.013
261874	0.010
261875	0.006
261876	0.028
261877	0.007
261878	0.008
261879	0.008
261880	< 0.005
261881	0.010
261882	0.010
261883	0.005
261884	1.502
261885	< 0.005
261886	< 0.005
261887	0.006
261888	< 0.005
261889	< 0.005
261890	0.005
261891	< 0.005
261892	0.021
261893	0.027
261894	0.011
261895	0.009
261896	< 0.005
261897	0.016
261898	0.016
261899	0.017
261900	< 0.005
261901	0.011
261902	0.013
261903	0.008
261904	< 0.005

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
261905	0.008
261906	0.045
261907	0.061
261908	0.065
261909	0.017
261910	0.013
261911	0.128
261912	0.497
261913	0.090
261914	0.009
261915	0.015
261916	0.024
261917	0.236
261918	0.152
261919	0.762
261920	0.022
261921	0.071
261922	0.160
261923	0.193
261924	< 0.005
261925	0.220
261926	0.041
261927	0.103
261928	0.094
261929	0.076
261930	0.025
261931	0.054
261932	0.094
261933	0.011
261934	0.071
261935	0.009
261936	0.632
261937	0.021
261938	0.048
261939	0.026
261940	0.018
261941	0.036
261942	0.038
261943	0.010
261944	0.008
261945	0.015
261946	0.081
261947	0.172
261948	0.006
261949	0.038
261950	0.059
261951	0.029
261952	0.014
261953	0.032
261954	0.124
261955	0.246

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
261956	0.220
261957	0.215
261958	0.124
261959	0.159
261960	0.221
261961	0.192
261962	0.467
261963	0.576
261964	1.014
261965	0.512
261966	1.304
261967	0.286
261968	0.102
261969	0.014
261970	0.013
261971	< 0.005
261972	< 0.005
261973	0.015
261974	0.462
261975	0.061
261976	0.034
261977	0.092
261978	< 0.005
261979	0.120
261980	0.154
261981	0.238
261982	0.301
261983	0.288
261984	1.508
261985	0.654
261986	2.287
261987	0.006
261988	0.012

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
Oreas 237 (fire Assay) Meas	2.125
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.246
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.286
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.291
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.229
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.302
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.284
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.199
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.228
Oreas 237 (fire Assay) Cert	2.21
Oreas 237 (fire Assay) Meas	2.211
Oreas 237 (fire Assay) Cert	2.21
Oreas E1336 (Fire Assay) Meas	0.498
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.501
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.523
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.523
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.510

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.516
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.515
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.519
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.514
Oreas E1336 (Fire Assay) Cert	0.510
Oreas E1336 (Fire Assay) Meas	0.520
Oreas E1336 (Fire Assay) Cert	0.510
261710 Orig	0.046
261710 Dup	0.044
261720 Orig	0.012
261720 Dup	0.016
261730 Orig	0.025
261730 Dup	0.026
261745 Orig	0.241
261745 Dup	0.172
261750 Split Orig PREP DUP	0.103
261750 Split PREP DUP	0.107
261754 Orig	< 0.005
261754 Dup	0.007
261764 Orig	< 0.005
261764 Dup	< 0.005
261779 Orig	0.015
261779 Dup	0.033
261789 Orig	0.123
261789 Dup	0.166
261799 Orig	0.005
261799 Dup	< 0.005
261800 Split Orig PREP DUP	< 0.005
261800 Split PREP DUP	< 0.005
261813 Orig	0.036
261813 Dup	0.035
261823 Orig	< 0.005
261823 Dup	< 0.005
261833 Orig	0.006
261833 Dup	0.014
261848 Orig	0.011



Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
Method Blank	< 0.005



Report No.: A20-16218-8-4Acid
Report Date: 05-Apr-21
Date Submitted: 17-Dec-20
Your Reference: GOS-234

IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

493 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-4 Acid Total Digestion-Kamloops, QOP Total Assay (Code 8-4 Acid Total Digestion Assays), 2021-02-24 21:28:34

REPORT A20-16218-8-4Acid

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Notes:

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
9989 Dallas Drive, Kamloops, British Columbia, Canada, V2C 6T4
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E-MAIL Kamloops@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



## Results

## Activation Laboratories Ltd.

Report: A20-16218

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260501	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	0.004	< 0.003	0.002
260502	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260503	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260504	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260505	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260506	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260507	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260508	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260509	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260510	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260511	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260512	< 3	< 0.003	< 0.003	0.821	0.004	0.025	0.004	< 0.003	0.012
260513	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260514	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.003
260515	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260516	3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260517	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260518	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
260519	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.002
260520	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260521	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260522	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.002
260523	< 3	< 0.003	< 0.003	0.029	0.002	0.128	< 0.003	< 0.003	0.002
260524	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260525	< 3	< 0.003	< 0.003	0.271	0.002	< 0.003	< 0.003	< 0.003	0.013
260526	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260527	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
260528	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260529	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
260530	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
260531	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
260532	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
260533	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260534	< 3	< 0.003	< 0.003	0.031	0.001	< 0.003	< 0.003	< 0.003	0.002
260535	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260536	< 3	< 0.003	< 0.003	0.508	0.004	0.036	< 0.003	< 0.003	0.007
260537	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260538	< 3	< 0.003	< 0.003	0.027	0.001	< 0.003	< 0.003	< 0.003	0.003
260539	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260540	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
260541	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
260542	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
260543	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260544	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260545	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
260546	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.002
260547	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.002
260548	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260549	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260550	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260551	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.004
260552	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.003
260553	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260554	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260555	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.006
260556	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260557	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260558	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260559	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260560	< 3	< 0.003	< 0.003	0.587	0.006	0.012	< 0.003	< 0.003	0.016
260561	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260562	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260563	< 3	< 0.003	< 0.003	0.038	0.001	< 0.003	< 0.003	< 0.003	0.001
260564	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260565	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260566	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260567	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
260568	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260569	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260570	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260571	< 3	< 0.003	< 0.003	0.018	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260572	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260573	4	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
260574	< 3	< 0.003	< 0.003	0.019	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260575	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
260576	< 3	< 0.003	< 0.003	0.016	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260577	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260578	3	< 0.003	< 0.003	0.041	0.002	< 0.003	< 0.003	< 0.003	0.001
260579	< 3	< 0.003	< 0.003	0.026	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260580	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.005
260581	< 3	< 0.003	< 0.003	< 0.001	0.006	< 0.003	< 0.003	< 0.003	0.001
260582	< 3	< 0.003	< 0.003	0.129	0.003	< 0.003	< 0.003	< 0.003	0.001
260583	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.004
260584	3	< 0.003	< 0.003	1.05	0.003	0.052	0.004	0.004	0.010
260585	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	0.003
260586	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260587	< 3	< 0.003	< 0.003	0.025	0.001	< 0.003	< 0.003	< 0.003	0.002
260588	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.001
260589	< 3	< 0.003	< 0.003	0.061	0.001	< 0.003	< 0.003	< 0.003	0.002
260590	< 3	< 0.003	< 0.003	0.051	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260591	< 3	< 0.003	< 0.003	0.120	0.001	< 0.003	< 0.003	< 0.003	0.003
260592	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
260593	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.003
260594	< 3	< 0.003	< 0.003	0.036	0.001	< 0.003	< 0.003	< 0.003	0.002
260595	< 3	< 0.003	< 0.003	0.092	0.001	< 0.003	< 0.003	< 0.003	0.002
260596	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260597	< 3	< 0.003	< 0.003	0.059	0.001	< 0.003	< 0.003	< 0.003	0.002
260598	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	0.003
260599	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260600	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.002
260601	< 3	< 0.003	< 0.003	0.018	0.001	< 0.003	< 0.003	< 0.003	0.002
260602	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.002
260603	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
260604	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.001
260605	< 3	< 0.003	< 0.003	0.060	0.002	< 0.003	< 0.003	< 0.003	0.002
260606	< 3	< 0.003	< 0.003	0.044	0.002	< 0.003	< 0.003	< 0.003	0.003
260607	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
260608	< 3	< 0.003	< 0.003	0.044	0.001	< 0.003	< 0.003	< 0.003	0.003
260609	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.001
260610	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	0.002
260611	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.002
260612	< 3	< 0.003	< 0.003	0.795	0.004	0.024	0.003	< 0.003	0.012
260613	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.003
260614	5	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.001
260615	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.001
260616	< 3	< 0.003	< 0.003	0.009	0.002	< 0.003	< 0.003	< 0.003	0.002
260617	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.001
260618	< 3	< 0.003	< 0.003	0.005	0.003	< 0.003	< 0.003	< 0.003	0.009
260619	< 3	< 0.003	< 0.003	0.009	0.003	< 0.003	< 0.003	< 0.003	0.012
260620	< 3	< 0.003	< 0.003	0.034	0.001	< 0.003	< 0.003	< 0.003	0.003
260621	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.002
260622	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.002
260623	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.002
260624	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260625	< 3	< 0.003	< 0.003	0.028	0.001	< 0.003	< 0.003	< 0.003	0.001
260626	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.001
260627	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	0.002
260628	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
260629	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.001
260630	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.001
260631	< 3	< 0.003	< 0.003		0.001	< 0.003	< 0.003	< 0.003	< 0.001
260632	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.001
260633	< 3	< 0.003	< 0.003	0.011	0.001	0.015	< 0.003	< 0.003	0.002
260634	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.001
260635	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.001
260636	< 3	< 0.003	< 0.003	0.540	0.004	0.037	0.006	< 0.003	0.008
260637	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260638	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260639	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.001
260640	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
260641	< 3	< 0.003	< 0.003	0.248	0.003	< 0.003	< 0.003	< 0.003	0.007
260642	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.001
260643	< 3	< 0.003	< 0.003	0.095	0.001	< 0.003	< 0.003	< 0.003	0.002
260644	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.004
260645	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
260646	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.001
260647	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.001
260648	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260649	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.001
260650	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.001
260651	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260652	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
260653	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.003
260654	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.001
260655	< 3	< 0.003	< 0.003	0.035	0.001	< 0.003	< 0.003	< 0.003	0.004
260656	< 3	< 0.003	< 0.003	0.050	0.002	< 0.003	< 0.003	< 0.003	0.005
260657	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.003
260658	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.006
260659	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
260660	< 3	< 0.003	< 0.003	0.607	0.006	0.012	< 0.003	< 0.003	0.016
260661	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.002
260662	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
260663	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260664	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
260665	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
260666	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
260667	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260668	3	< 0.003	< 0.003	0.050	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260669	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.003
260670	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
260671	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.004
260672	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260673	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.005
260674	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.005
260675	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.016
260676	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260677	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.003
260678	< 3	< 0.003	< 0.003	0.022	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260679	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260680	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.002
260681	< 3	< 0.003	< 0.003	0.052	0.002	< 0.003	< 0.003	< 0.003	0.002
260682	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
260683	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
260684	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260685	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.002
260686	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.002
260687	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.002
260688	< 3	< 0.003	< 0.003	0.025	0.002	< 0.003	< 0.003	< 0.003	0.003
260689	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.003
260690	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260691	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.001
260692	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.002
260693	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
260694	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
260695	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.002
260696	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260697	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.004
260698	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260699	< 3	< 0.003	< 0.003	0.027	0.001	< 0.003	< 0.003	< 0.003	0.003
260700	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
260701	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
260702	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
260703	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.002
260704	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260705	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.003
260706	< 3	< 0.003	< 0.003	0.029	0.002	< 0.003	< 0.003	< 0.003	0.003
260707	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.003
260708	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	0.004
260709	< 3	< 0.003	< 0.003	0.004	0.003	< 0.003	< 0.003	< 0.003	0.003
260710	< 3	< 0.003	< 0.003	0.004	0.003	< 0.003	< 0.003	< 0.003	0.003
260711	< 3	< 0.003	< 0.003	0.016	0.005	< 0.003	0.003	< 0.003	0.005
260712	< 3	< 0.003	< 0.003	0.791	0.004	0.021	0.004	< 0.003	0.011
260713	< 3	< 0.003	< 0.003	0.025	0.005	< 0.003	< 0.003	< 0.003	0.003
260714	< 3	< 0.003	< 0.003	0.009	0.003	< 0.003	< 0.003	< 0.003	0.003
260715	< 3	< 0.003	< 0.003	0.007	0.002	< 0.003	< 0.003	< 0.003	0.002
260716	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.006
260717	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
260718	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.003
260719	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.003
260720	< 3	< 0.003	< 0.003	0.023	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260721	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260722	< 3	< 0.003	< 0.003	0.010	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260723	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
260724	< 3	< 0.003	< 0.003	0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260725	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	0.004	< 0.003	0.005
260726	4	< 0.003	< 0.003	0.081	0.001	< 0.003	< 0.003	< 0.003	0.004
260727	< 3	< 0.003	< 0.003	0.191	0.007	< 0.003	0.021	< 0.003	0.014
260728	3	< 0.003	< 0.003	0.038	0.001	< 0.003	< 0.003	< 0.003	0.003
260729	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.002
260730	< 3	< 0.003	< 0.003	0.035	0.002	< 0.003	< 0.003	< 0.003	0.002
260731	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.003
260732	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.003
260733	< 3	< 0.003	< 0.003	0.018	0.002	< 0.003	< 0.003	< 0.003	0.002
260734	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
260735	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.002
260736	< 3	< 0.003	< 0.003	0.531	0.003	0.034	0.003	< 0.003	0.007
260737	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.002
260738	< 3	< 0.003	< 0.003	0.024	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260739	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260740	< 3	< 0.003	< 0.003	0.004	0.004	< 0.003	0.011	< 0.003	0.009
260741	< 3	< 0.003	0.003	0.003	0.004	< 0.003	0.019	< 0.003	0.010
260742	< 3	< 0.003	< 0.003	0.004	0.005	< 0.003	0.014	< 0.003	0.012
260743	< 3	< 0.003	< 0.003	0.002	0.007	< 0.003	0.008	< 0.003	0.014
260744	< 3	< 0.003	< 0.003	< 0.001	0.005	< 0.003	0.008	< 0.003	0.012
260745	< 3	< 0.003	< 0.003	0.001	0.006	< 0.003	0.009	< 0.003	0.012
260746	< 3	< 0.003	0.004	0.008	0.003	< 0.003	0.022	< 0.003	0.010
260747	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.020	< 0.003	0.007

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260748	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260749	< 3	< 0.003	0.004	0.002	0.003	< 0.003	0.019	< 0.003	0.008
260750	< 3	< 0.003	0.004	0.002	0.003	< 0.003	0.019	< 0.003	0.008
260751	< 3	< 0.003	0.004	0.015	0.004	< 0.003	0.017	< 0.003	0.012
260752	< 3	< 0.003	0.004	0.010	0.003	< 0.003	0.019	< 0.003	0.015
260753	< 3	< 0.003	0.004	0.008	0.004	< 0.003	0.017	< 0.003	0.016
260754	< 3	< 0.003	0.003	0.012	0.003	< 0.003	0.015	< 0.003	0.010
260755	< 3	< 0.003	0.004	0.023	0.003	< 0.003	0.016	< 0.003	0.013
260756	< 3	< 0.003	0.004	0.016	0.004	< 0.003	0.013	< 0.003	0.012
260757	< 3	< 0.003	< 0.003	0.005	0.004	0.038	0.010	< 0.003	0.013
260758	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260759	< 3	< 0.003	0.003	0.028	0.003	< 0.003	0.012	< 0.003	0.021
260760	< 3	< 0.003	< 0.003	0.609	0.005	0.009	< 0.003	< 0.003	0.016
260761	< 3	< 0.003	< 0.003	0.003	0.004	< 0.003	0.011	< 0.003	0.022
260762	< 3	< 0.003	0.004	< 0.001	0.004	< 0.003	0.012	< 0.003	0.017
260763	< 3	< 0.003	< 0.003	0.016	0.004	0.004	0.010	< 0.003	0.008
260764	< 3	< 0.003	< 0.003	0.019	0.002	< 0.003	< 0.003	< 0.003	0.004
260765	< 3	< 0.003	0.004	0.006	0.002	< 0.003	0.009	< 0.003	0.007
260766	< 3	< 0.003	0.004	0.004	0.002	< 0.003	0.008	< 0.003	0.007
260767	< 3	< 0.003	< 0.003	0.005	0.004	0.009	0.005	< 0.003	0.006
260768	< 3	< 0.003	0.004	0.007	0.004	< 0.003	0.006	< 0.003	0.007
260769	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.007	< 0.003	0.006
260770	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.007	< 0.003	0.006
260771	< 3	< 0.003	0.004	< 0.001	0.002	< 0.003	0.006	< 0.003	0.007
260772	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260773	< 3	< 0.003	0.003	< 0.001	0.002	< 0.003	0.006	< 0.003	0.007
260774	< 3	< 0.003	0.003	0.004	0.002	< 0.003	0.006	< 0.003	0.006
260775	< 3	< 0.003	0.003	0.002	0.002	< 0.003	0.005	< 0.003	0.005
260776	< 3	< 0.003	0.004	0.002	0.002	< 0.003	0.005	< 0.003	0.005
260777	< 3	< 0.003	0.003	0.002	0.001	< 0.003	0.005	< 0.003	0.006
260778	< 3	< 0.003	0.006	0.008	0.001	< 0.003	0.004	< 0.003	0.007
260779	< 3	< 0.003	0.006	0.010	0.001	< 0.003	0.006	< 0.003	0.007
260780	< 3	< 0.003	0.005	0.010	0.001	< 0.003	0.008	< 0.003	0.008
260781	< 3	< 0.003	0.004	0.013	0.001	< 0.003	0.006	< 0.003	0.006
260782	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.003
260783	< 3	< 0.003	< 0.003	0.149	0.001	< 0.003	< 0.003	< 0.003	0.004
260784	4	< 0.003	< 0.003	1.13	0.003	0.052	0.005	0.005	0.011
260785	< 3	< 0.003	0.004	0.005	0.001	< 0.003	0.006	< 0.003	0.006
260786	< 3	< 0.003	0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.005
260787	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	0.003	< 0.003	0.005
260788	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	0.004	< 0.003	0.005
260789	< 3	< 0.003	< 0.003	0.017	0.002	< 0.003	0.004	< 0.003	0.007
260790	< 3	< 0.003	0.003	0.024	0.002	< 0.003	0.005	< 0.003	0.005
260791	< 3	< 0.003	0.003	0.082	0.002	< 0.003	0.004	< 0.003	0.007
260792	< 3	< 0.003	< 0.003	0.023	0.002	< 0.003	0.004	< 0.003	0.005
260793	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	0.005	< 0.003	0.006
260794	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	0.004	< 0.003	0.005
260795	< 3	< 0.003	0.003	0.004	0.002	< 0.003	0.005	< 0.003	0.005
260796	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260797	< 3	< 0.003	< 0.003	0.006	0.003	< 0.003	0.004	< 0.003	0.004

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260798	< 3	< 0.003	0.003	< 0.001	0.003	< 0.003	0.005	< 0.003	0.004
260799	< 3	< 0.003	0.003	< 0.001	0.003	< 0.003	0.005	< 0.003	0.003
260800	< 3	< 0.003	0.003	< 0.001	0.003	< 0.003	0.004	< 0.003	0.004
260801	< 3	< 0.003	0.003	< 0.001	0.005	< 0.003	0.005	< 0.003	0.004
260802	< 3	< 0.003	0.003	< 0.001	0.003	< 0.003	0.005	< 0.003	0.004
260803	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	0.006	< 0.003	0.004
260804	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	0.005	< 0.003	0.004
260805	< 3	< 0.003	0.003	0.008	0.002	< 0.003	0.005	< 0.003	0.003
260806	< 3	< 0.003	0.004	0.001	0.002	< 0.003	0.004	< 0.003	0.004
260807	< 3	< 0.003	0.004	0.003	0.003	< 0.003	0.005	< 0.003	0.005
260808	< 3	< 0.003	0.004	0.003	0.003	< 0.003	0.005	< 0.003	0.005
260809	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	0.004	< 0.003	0.004
260810	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	0.004	< 0.003	0.004
260811	< 3	< 0.003	0.003	0.002	0.003	< 0.003	0.004	< 0.003	0.005
260812	< 3	< 0.003	< 0.003	0.728	0.004	0.021	0.004	< 0.003	0.010
260813	< 3	< 0.003	0.003	0.004	0.003	< 0.003	0.005	< 0.003	0.005
260814	< 3	< 0.003	0.005	0.024	0.007	< 0.003	0.006	< 0.003	0.006
260815	< 3	< 0.003	0.005	0.010	0.007	< 0.003	0.006	< 0.003	0.006
260816	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260817	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260818	< 3	< 0.003	< 0.003	0.064	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260819	< 3	< 0.003	< 0.003	0.030	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260820	< 3	< 0.003	< 0.003	0.041	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260821	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260822	< 3	< 0.003	< 0.003	0.111	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260823	< 3	< 0.003	< 0.003	0.050	0.003	< 0.003	< 0.003	< 0.003	0.002
260824	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260825	< 3	< 0.003	0.003	0.075	0.005	< 0.003	0.006	< 0.003	0.004
260826	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	0.002
260827	< 3	< 0.003	< 0.003	0.061	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260828	6	< 0.003	< 0.003	0.115	0.001	< 0.003	< 0.003	< 0.003	0.001
260829	< 3	< 0.003	< 0.003	0.096	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260830	< 3	< 0.003	< 0.003	0.108	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260831	< 3	< 0.003	< 0.003	0.157	0.002	< 0.003	< 0.003	< 0.003	0.003
260832	< 3	< 0.003	< 0.003	0.166	0.002	< 0.003	< 0.003	< 0.003	0.002
260833	< 3	< 0.003	0.004	0.210	0.004	< 0.003	< 0.003	< 0.003	0.004
260834	< 3	< 0.003	0.003	0.205	0.002	< 0.003	< 0.003	< 0.003	0.004
260835	< 3	< 0.003	0.003	0.212	0.002	< 0.003	< 0.003	< 0.003	0.005
260836	< 3	< 0.003	0.003	0.512	0.004	0.033	0.003	< 0.003	0.006
260837	< 3	< 0.003	< 0.003	0.130	0.001	< 0.003	< 0.003	< 0.003	0.003
260838	< 3	< 0.003	< 0.003	0.153	0.002	< 0.003	< 0.003	< 0.003	0.004
260839	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260840	< 3	< 0.003	0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.004
260841	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.004
260842	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	0.003
260843	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.003
260844	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	0.003
260845	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.003
260846	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.003

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260847	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
260848	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260849	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.001
260850	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.001
260851	< 3	< 0.003	< 0.003	0.146	< 0.001	< 0.003	< 0.003	< 0.003	0.006
260852	< 3	< 0.003	< 0.003	0.200	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260853	< 3	< 0.003	< 0.003	0.132	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260854	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260855	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.001
260856	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260857	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	0.001
260858	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.002
260859	< 3	< 0.003	< 0.003	0.026	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260860	< 3	< 0.003	< 0.003	0.609	0.006	0.012	< 0.003	< 0.003	0.015
260861	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.001
260862	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260863	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260864	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	< 0.001
260865	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260866	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260867	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260868	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260869	< 3	< 0.003	< 0.003	0.214	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260870	< 3	< 0.003	< 0.003	0.043	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260871	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260872	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260873	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260874	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260875	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260876	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260877	< 3	< 0.003	< 0.003	0.078	0.001	< 0.003	< 0.003	< 0.003	0.001
260878	< 3	< 0.003	< 0.003	0.068	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260879	< 3	< 0.003	< 0.003	0.101	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260880	< 3	< 0.003	< 0.003	0.057	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260881	< 3	< 0.003	< 0.003	0.058	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260882	< 3	< 0.003	< 0.003	0.130	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260883	< 3	< 0.003	< 0.003	0.029	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260884	4	< 0.003	< 0.003	1.09	0.003	0.052	0.005	0.006	0.010
260885	< 3	< 0.003	< 0.003	0.007	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260886	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260887	< 3	< 0.003	< 0.003	0.012	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260888	< 3	< 0.003	< 0.003	0.013	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260889	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.001
260890	< 3	< 0.003	< 0.003	0.024	0.001	< 0.003	< 0.003	< 0.003	0.001
260891	< 3	< 0.003	< 0.003	0.041	0.001	< 0.003	< 0.003	< 0.003	0.001
260892	< 3	< 0.003	< 0.003	0.114	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260893	< 3	< 0.003	< 0.003	0.063	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260894	< 3	< 0.003	< 0.003	0.093	0.001	< 0.003	< 0.003	< 0.003	0.002
260895	< 3	< 0.003	< 0.003	0.014	0.002	< 0.003	< 0.003	< 0.003	0.002
260896	< 3	< 0.003	< 0.003	0.001	0.001	< 0.003	< 0.003	< 0.003	< 0.001



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260897	< 3	< 0.003	< 0.003	0.005	0.003	< 0.003	0.003	< 0.003	0.001
260898	< 3	< 0.003	< 0.003	0.064	0.001	< 0.003	< 0.003	< 0.003	0.001
260899	< 3	< 0.003	0.004	0.024	0.010	< 0.003	0.016	< 0.003	0.007
260900	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	< 0.001
260901	< 3	< 0.003	< 0.003	0.036	0.002	< 0.003	< 0.003	< 0.003	0.001
260902	< 3	< 0.003	< 0.003	0.008	0.002	< 0.003	< 0.003	< 0.003	< 0.001
260903	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	< 0.001
260904	< 3	< 0.003	< 0.003	0.028	0.002	< 0.003	< 0.003	< 0.003	< 0.001
260905	< 3	< 0.003	< 0.003	0.021	0.002	< 0.003	< 0.003	< 0.003	< 0.001
260906	< 3	< 0.003	< 0.003	0.008	0.003	< 0.003	< 0.003	< 0.003	0.001
260907	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.001
260908	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	< 0.001
260909	< 3	< 0.003	< 0.003	0.034	0.004	< 0.003	< 0.003	< 0.003	0.003
260910	< 3	< 0.003	< 0.003	0.031	0.004	< 0.003	< 0.003	< 0.003	0.003
260911	< 3	< 0.003	< 0.003	0.015	0.003	< 0.003	< 0.003	< 0.003	0.002
260912	< 3	< 0.003	< 0.003	0.792	0.004	0.025	0.004	< 0.003	0.011
260913	< 3	< 0.003	< 0.003	0.023	0.002	< 0.003	< 0.003	< 0.003	0.001
260914	< 3	< 0.003	< 0.003	0.004	0.004	< 0.003	< 0.003	< 0.003	0.003
260915	< 3	< 0.003	< 0.003	0.024	0.002	< 0.003	< 0.003	< 0.003	0.003
260916	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.001
260917	< 3	< 0.003	< 0.003	0.050	0.002	< 0.003	< 0.003	< 0.003	< 0.001
260918	< 3	< 0.003	< 0.003	0.004	0.002	< 0.003	< 0.003	< 0.003	0.001
260919	< 3	< 0.003	< 0.003	0.018	0.002	< 0.003	< 0.003	< 0.003	0.002
260920	< 3	< 0.003	< 0.003	0.012	0.002	< 0.003	< 0.003	< 0.003	< 0.001
260921	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260922	< 3	< 0.003	< 0.003	0.043	0.002	0.005	< 0.003	< 0.003	0.001
260923	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	0.002
260924	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260925	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
260926	< 3	< 0.003	0.004	< 0.001	0.008	< 0.003	0.004	< 0.003	0.006
260927	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.003
260928	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
260929	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
260930	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
260931	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	< 0.003	< 0.003	0.002
260932	< 3	< 0.003	< 0.003	0.027	0.002	< 0.003	< 0.003	< 0.003	0.001
260933	< 3	< 0.003	< 0.003	0.022	0.001	< 0.003	< 0.003	< 0.003	0.001
260934	< 3	< 0.003	< 0.003	0.001	0.004	< 0.003	0.007	< 0.003	0.004
260935	< 3	< 0.003	< 0.003	0.005	0.002	< 0.003	< 0.003	< 0.003	0.002
260936	< 3	< 0.003	0.003	0.533	0.004	0.035	0.003	< 0.003	0.007
260937	< 3	< 0.003	< 0.003	0.002	0.002	< 0.003	< 0.003	< 0.003	0.001
260938	< 3	< 0.003	< 0.003	< 0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
260939	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.002
260940	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260941	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.001
260942	< 3	< 0.003	< 0.003	< 0.001	0.001	< 0.003	< 0.003	< 0.003	0.001
260943	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260944	< 3	< 0.003	0.005	< 0.001	0.006	< 0.003	< 0.003	< 0.003	0.007
260945	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
260946	< 3	< 0.003	< 0.003	0.008	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260947	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260948	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260949	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260950	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260951	< 3	< 0.003	< 0.003	0.004	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260952	< 3	< 0.003	< 0.003	0.014	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260953	< 3	< 0.003	< 0.003	0.015	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260954	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260955	< 3	< 0.003	< 0.003	0.027	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260956	< 3	< 0.003	0.004	0.002	0.004	< 0.003	0.005	< 0.003	0.010
260957	< 3	< 0.003	0.003	0.002	0.003	< 0.003	0.007	< 0.003	0.007
260958	< 3	< 0.003	0.004	< 0.001	0.007	< 0.003	0.009	< 0.003	0.011
260959	< 3	< 0.003	0.004	0.003	0.005	< 0.003	0.005	< 0.003	0.009
260960	< 3	< 0.003	< 0.003	0.602	0.006	0.009	< 0.003	< 0.003	0.015
260961	< 3	< 0.003	< 0.003	0.012	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260962	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260963	< 3	< 0.003	< 0.003	0.011	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260964	< 3	< 0.003	< 0.003	0.009	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260965	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260966	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260967	< 3	< 0.003	< 0.003	0.007	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260968	< 3	< 0.003	< 0.003	0.021	0.003	< 0.003	< 0.003	< 0.003	0.005
260969	< 3	< 0.003	< 0.003	0.015	0.002	< 0.003	< 0.003	< 0.003	0.001
260970	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	0.002
260971	< 3	< 0.003	< 0.003	0.043	0.002	< 0.003	< 0.003	< 0.003	0.003
260972	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
260973	< 3	< 0.003	< 0.003	0.034	0.003	< 0.003	< 0.003	< 0.003	0.004
260974	< 3	< 0.003	< 0.003	0.034	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260975	< 3	< 0.003	< 0.003	0.252	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260976	< 3	< 0.003	0.006	< 0.001	0.006	< 0.003	0.039	< 0.003	0.012
260977	< 3	< 0.003	0.005	0.001	0.012	< 0.003	0.020	< 0.003	0.009
260978	< 3	< 0.003	0.003	0.003	0.007	< 0.003	0.004	< 0.003	0.005
260979	< 3	< 0.003	0.004	0.004	0.005	< 0.003	0.009	< 0.003	0.008
260980	< 3	< 0.003	0.005	0.003	0.007	< 0.003	0.009	< 0.003	0.008
260981	< 3	< 0.003	< 0.003	0.078	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260982	< 3	< 0.003	< 0.003	0.002	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260983	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260984	4	< 0.003	< 0.003	1.08	0.003	0.051	0.005	0.005	0.010
260985	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260986	< 3	< 0.003	0.006	0.014	0.004	< 0.003	0.008	< 0.003	0.009
260987	< 3	< 0.003	0.006	0.004	0.008	< 0.003	0.019	< 0.003	0.010
260988	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	0.002
260989	< 3	< 0.003	< 0.003	0.003	0.001	< 0.003	< 0.003	< 0.003	0.001
260990	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.001
260991	< 3	< 0.003	< 0.003	0.003	0.002	< 0.003	< 0.003	< 0.003	0.002
260992	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
260993	5	< 0.003	< 0.003	0.001	0.001	< 0.003	< 0.003	< 0.003	0.001

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PTM-1a Meas	132		2.04	24.3			46.8		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	129		2.08				45.4		
PTM-1a Cert	135		2.05				47.44		
PTM-1a Meas	125		2.09	24.9			47.7		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	136		2.00	24.6			47.1		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	128		2.07	25.6			46.0		
PTM-1a Cert	135		2.05	24.96			47.44		
PTM-1a Meas	133			24.0					
PTM-1a Cert	135			24.96					
PTM-1a Meas				24.4					
PTM-1a Cert				24.96					
HV-2 Meas				0.592		0.050	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas						0.050	< 0.003		0.004
HV-2 Cert						0.0480			0.00560
HV-2 Meas				0.558		0.055	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.588		0.049	< 0.003		0.006
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.587		0.052	< 0.003		0.005
HV-2 Cert				0.570		0.0480			0.00560
HV-2 Meas				0.617					
HV-2 Cert				0.570					
HV-2 Meas				0.525					
HV-2 Cert				0.570					
GBW 07238 (NCS DC 70006) Meas				0.010		1.46	0.005	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas						1.44	0.004	< 0.003	0.007
GBW 07238 (NCS DC 70006) Cert						1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010		1.46	0.004	< 0.003	0.006
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.011		1.44	0.008	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.009		1.50	0.004	< 0.003	0.009
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.011		1.44	0.004	< 0.003	0.008
GBW 07238 (NCS DC 70006) Cert				0.00936		1.51	0.00178	0.00187	0.00655
GBW 07238 (NCS DC 70006) Meas				0.010					

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
DC 70006) Meas									
GBW 07238 (NCS DC 70006) Cert				0.00936					
GBW 07238 (NCS DC 70006) Meas				0.009					
GBW 07238 (NCS DC 70006) Cert				0.00936					
OREAS 134b (4 ACID) Meas	207	0.056	0.011	0.137				13.4	17.4
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	198	0.057	0.012					13.3	17.4
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107					13.4	18.0
OREAS 134b (4 ACID) Meas	204	0.059	0.012	0.122				13.0	18.0
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	222	0.059	0.012	0.130				13.4	18.2
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	221	0.057	0.010	0.136				13.2	17.8
OREAS 134b (4 ACID) Cert	209	0.0561	0.0107	0.135				13.4	18.0
OREAS 134b (4 ACID) Meas	221			0.140					
OREAS 134b (4 ACID) Cert	209			0.135					
OREAS 134b (4 ACID) Meas				0.133					
OREAS 134b (4 ACID) Cert				0.135					
MP-1b Meas	48	0.054		3.01		0.028		2.05	16.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	51	0.054				0.027		2.09	16.3
MP-1b Cert	47	0.0527				0.029		2.09	16.7
MP-1b Meas	46	0.055		3.07		0.029		2.09	17.1
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	49	0.053		2.96		0.027		2.13	16.5
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	50	0.051		3.08		0.029		2.05	16.4
MP-1b Cert	47	0.0527		3.07		0.029		2.09	16.7
MP-1b Meas	49			3.10					
MP-1b Cert	47			3.07					
MP-1b Meas				2.94					
MP-1b Cert				3.07					
OREAS 97 (4 Acid) Meas	19		0.007	6.56				0.018	0.062
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	20		0.007					0.015	0.056

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
OREAS 97 (4 Acid) Cert	20		0.006					0.015	0.065
OREAS 97 (4 Acid) Meas	20		0.008	6.40				0.019	0.063
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	20		0.007	5.99				0.019	0.060
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	18		0.005	6.59				0.016	0.060
OREAS 97 (4 Acid) Cert	20		0.006	6.31				0.015	0.065
OREAS 97 (4 Acid) Meas	18			6.26					
OREAS 97 (4 Acid) Cert	20			6.31					
OREAS 97 (4 Acid) Meas				6.30					
OREAS 97 (4 Acid) Cert				6.31					
OREAS 98 (4 Acid) Meas	44		0.012	14.6				0.030	0.131
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	51		0.013					0.030	0.131
OREAS 98 (4 Acid) Cert	45.1		0.012					0.035	0.136
OREAS 98 (4 Acid) Meas	46		0.014	14.7				0.034	0.134
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	47		0.012	14.1				0.034	0.133
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	44		0.011	15.2				0.031	0.131
OREAS 98 (4 Acid) Cert	45.1		0.012	14.8				0.035	0.136
OREAS 98 (4 Acid) Meas	45			14.9					
OREAS 98 (4 Acid) Cert	45.1			14.8					
OREAS 98 (4 Acid) Meas				14.4					
OREAS 98 (4 Acid) Cert				14.8					
CZN-4 Meas	51	0.266	0.011	0.419				0.185	57.0
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	53	0.262	0.010					0.184	53.7
CZN-4 Cert	51	0.2604	0.009					0.1861	55.07
CZN-4 Meas	51	0.260	0.011	0.407				0.182	54.2
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
CZN-4 Meas	51	0.258	0.011	0.407				0.180	55.5
CZN-4 Cert	51	0.2604	0.0094	0.403				0.1861	55.07
CZN-4 Meas	51	0.252	0.009	0.403				0.176	57.8
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	51	0.256	0.010	0.398				0.183	54.5
CZN-4 Cert	51	0.2604	0.009	0.403				0.1861	55.07
CZN-4 Meas	52			0.388					
CZN-4 Cert	51			0.403					
CZN-4 Meas				0.408					
CZN-4 Cert				0.403					
PTC-1b Meas	55		0.330	8.16			11.8	0.085	0.213
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	51		0.314				11.1	0.076	0.209
PTC-1b Cert	53		0.325				11.29	0.080	0.2083
PTC-1b Meas	53		0.315	7.72			11.0	0.079	0.207
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	52		0.311	7.79			10.8	0.080	0.196
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	53		0.312	7.72			10.5	0.080	0.195
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	50		0.338	7.55			11.4	0.087	0.215
PTC-1b Cert	53		0.325	7.97			11.29	0.080	0.2083
PTC-1b Meas	59			7.60					
PTC-1b Cert	53			7.97					
PTC-1b Meas				8.39					
PTC-1b Cert				7.97					
CCU-1e Meas	202	0.008	0.032	23.1				0.704	3.03
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	200	0.008	0.033					0.714	3.02
CCU-1e Cert	205	0.00742	0.0301					0.703	3.02
CCU-1e Meas	196	0.008	0.034	22.9				0.708	3.03
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	204	0.008	0.031	23.1				0.701	2.92
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	202	0.007	0.030	23.2				0.677	2.95
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	210	0.008	0.030	22.3				0.673	3.04
CCU-1e Cert	205	0.00742	0.0301	22.9				0.703	3.02
CCU-1e Meas	203			22.6					
CCU-1e Cert	205			22.9					
CCU-1e Meas				22.5					
CCU-1e Cert				22.9					
OREAS 96 (4 Acid) Meas	11		0.005	3.95				0.012	0.045
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	12		0.006					0.013	0.043
OREAS 96 (4 Acid) Cert	11.5		0.00499					0.0101	0.0457
OREAS 96 (4 Acid) Meas	15		0.006	3.89				0.012	0.045

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Acid) Meas									
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11		0.005	3.86				0.015	0.046
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	10		0.004	3.97				0.009	0.044
OREAS 96 (4 Acid) Cert	11.5		0.00499	3.93				0.0101	0.0457
OREAS 96 (4 Acid) Meas	11			3.97					
OREAS 96 (4 Acid) Cert	11.5			3.93					
OREAS 96 (4 Acid) Meas				3.74					
OREAS 96 (4 Acid) Cert				3.93					
260513 Orig	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260513 Dup	< 3	< 0.003	< 0.003	0.002	0.001	< 0.003	< 0.003	< 0.003	0.004
260527 Orig	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.002
260527 Dup	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
260550 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260550 Split PREP DUP	< 3	< 0.003	< 0.003	0.005	< 0.001	< 0.003	< 0.003	< 0.003	0.003
260552 Orig	< 3	< 0.003	< 0.003	0.006	0.001	< 0.003	< 0.003	< 0.003	0.003
260552 Dup	< 3	< 0.003	< 0.003	0.005	0.001	< 0.003	< 0.003	< 0.003	0.003
260566 Orig	< 3	< 0.003	< 0.003	0.006	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260566 Dup	< 3	< 0.003	< 0.003	0.008	0.003	< 0.003	0.004	< 0.003	0.001
260592 Orig	< 3	< 0.003	< 0.003	0.010	0.001	< 0.003	< 0.003	< 0.003	0.002
260592 Dup	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.002
260600 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.032	0.001	< 0.003	< 0.003	< 0.003	0.002
260600 Split PREP DUP	< 3	< 0.003	< 0.003	0.033	0.001	< 0.003	< 0.003	< 0.003	0.003
260606 Orig	< 3	< 0.003	< 0.003	0.044	0.002	< 0.003	< 0.003	< 0.003	0.002
260606 Dup	< 3	< 0.003	< 0.003	0.045	0.002	< 0.003	< 0.003	< 0.003	0.003
260631 Orig	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260631 Dup	4	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.001
260646 Orig	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.001
260646 Dup	< 3	< 0.003	< 0.003	0.017	0.001	< 0.003	< 0.003	< 0.003	0.002
260650 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	0.001
260650 Split PREP DUP	< 3	< 0.003	< 0.003	0.011	0.001	< 0.003	< 0.003	< 0.003	0.001
260666 Orig	< 3	< 0.003	< 0.003	0.008	0.001	< 0.003	< 0.003	< 0.003	0.002
260666 Dup	< 3	< 0.003	< 0.003	0.009	0.001	< 0.003	< 0.003	< 0.003	0.001
260681 Orig	< 3	< 0.003	< 0.003	0.052	0.002	< 0.003	< 0.003	< 0.003	0.001
260681 Dup	< 3	< 0.003	< 0.003	0.051	0.002	< 0.003	< 0.003	< 0.003	0.002
260700 Split Orig PREP DUP	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002
260700 Split	< 3	< 0.003	< 0.003	0.004	0.001	< 0.003	< 0.003	< 0.003	0.002

Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
PREP DUP									
260703 Orig	< 3	< 0.003	< 0.003	0.014	0.001	< 0.003	< 0.003	< 0.003	0.002
260703 Dup	< 3	< 0.003	< 0.003	0.013	0.001	< 0.003	< 0.003	< 0.003	0.002
260717 Orig	< 3	< 0.003	< 0.003		0.001	< 0.003	< 0.003	< 0.003	0.002
260717 Dup	< 3	< 0.003	< 0.003		0.001	< 0.003	< 0.003	< 0.003	0.002
260744 Orig	< 3	< 0.003	< 0.003	< 0.001	0.005	< 0.003	0.008	< 0.003	0.012
260744 Dup	< 3	< 0.003	< 0.003	< 0.001	0.005	< 0.003	0.009	< 0.003	0.012
260750 Split Orig	< 3	< 0.003	0.004	0.002	0.003	< 0.003	0.019	< 0.003	0.008
PREP DUP									
260750 Split	< 3	< 0.003	0.004	0.002	0.003	< 0.003	0.019	< 0.003	0.008
PREP DUP									
260757 Orig		< 0.003	< 0.003	0.004	0.004	0.036	0.010	< 0.003	0.013
260757 Dup		< 0.003	< 0.003	0.005	0.004	0.040	0.010	< 0.003	0.013
260783 Orig	< 3	< 0.003	< 0.003	0.143	0.001	< 0.003	< 0.003	< 0.003	0.004
260783 Dup	< 3	< 0.003	< 0.003	0.154	0.001	< 0.003	< 0.003	< 0.003	0.004
260800 Split Orig	< 3	< 0.003	0.003	< 0.001	0.003	< 0.003	0.004	< 0.003	0.004
PREP DUP									
260800 Split	< 3	< 0.003	< 0.003	< 0.001	0.003	< 0.003	0.005	< 0.003	0.004
PREP DUP									
260807 Orig	< 3	< 0.003	0.004	0.003	0.003	< 0.003	0.004	< 0.003	0.005
260807 Dup	< 3	< 0.003	0.004	0.003	0.003	< 0.003	0.005	< 0.003	0.004
260821 Orig	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260821 Dup	< 3	< 0.003	< 0.003	0.042	0.001	< 0.003	< 0.003	< 0.003	0.001
260847 Orig	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
260847 Dup	< 3	< 0.003	< 0.003	0.015	0.001	< 0.003	< 0.003	< 0.003	0.002
260850 Split Orig	< 3	< 0.003	< 0.003	0.019	0.001	< 0.003	< 0.003	< 0.003	0.001
PREP DUP									
260850 Split	< 3	< 0.003	< 0.003	0.016	0.001	< 0.003	< 0.003	< 0.003	0.002
PREP DUP									
260860 Orig	< 3	< 0.003	< 0.003	0.599	0.006	0.012	< 0.003	< 0.003	0.015
260860 Dup	< 3	< 0.003	< 0.003	0.620	0.006	0.012	< 0.003	0.003	0.016
260886 Orig	< 3	< 0.003	< 0.003	0.021	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260886 Dup	< 3	< 0.003	< 0.003	0.020	0.001	< 0.003	< 0.003	< 0.003	< 0.001
260900 Split Orig	< 3	< 0.003	< 0.003	0.016	0.002	< 0.003	< 0.003	< 0.003	< 0.001
PREP DUP									
260900 Split	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	< 0.001
PREP DUP									
260900 Split	< 3	< 0.003	< 0.003	0.011	0.002	< 0.003	< 0.003	< 0.003	< 0.001
PREP DUP									
260925 Orig	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
260925 Dup	< 3	< 0.003	< 0.003	0.001	0.002	< 0.003	< 0.003	< 0.003	0.002
260940 Orig	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260940 Dup	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001
260950 Split Orig	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.001
PREP DUP									
260950 Split	< 3	< 0.003	< 0.003	0.003	< 0.001	< 0.003	< 0.003	< 0.003	0.002
PREP DUP									
260960 Orig	< 3	< 0.003	< 0.003	0.601	0.006	0.009	< 0.003	0.003	0.015
260960 Dup	< 3	< 0.003	< 0.003	0.603	0.006	0.009	< 0.003	< 0.003	0.015
260975 Orig	< 3	< 0.003	< 0.003	0.252	< 0.001	< 0.003	< 0.003	< 0.003	0.002
260975 Dup	< 3	< 0.003	< 0.003	0.251	< 0.001	< 0.003	< 0.003	< 0.003	0.002
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	0.001



Analyte Symbol	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Zn
Unit Symbol	ppm	%	%	%	%	%	%	%	%
Lower Limit	3	0.003	0.003	0.001	0.001	0.003	0.003	0.003	0.001
Method Code	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S	4Acid ICPOE S
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	14	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	8	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	6	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001
Method Blank	< 3								
Method Blank				< 0.001					
Method Blank	< 3	< 0.003	< 0.003	< 0.001	< 0.001	< 0.003	< 0.003	< 0.003	< 0.001



IAMGOLD Corporation
2140 Regent Street Unit 10
Sudbury Ontario P3E 5S8
Canada

Report No.: A20-16218-Au
Report Date: 03-Feb-21
Date Submitted: 17-Dec-20
Your Reference: GOS-234

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

493 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package requested, Test description, and Testing Date. Rows include 1A2-Kamloops (ppm), 1A3-50-Kamloops, 1A4 (100mesh)-Kamloops, and Sieve Report-Kamloops Internal.

REPORT A20-16218-Au

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260501	0.111								
260502	0.054								
260503	0.062								
260504	0.082								
260505	0.017								
260506	0.005								
260507	0.027								
260508	0.060								
260509	< 0.005								
260510	0.061								
260511	< 0.005								
260512	0.480								
260513	0.008								
260514	0.017								
260515	0.018								
260516	0.023								
260517	< 0.005								
260518	< 0.005								
260519	0.307								
260520	0.059								
260521	0.013								
260522	0.033								
260523	0.071								
260524	< 0.005								
260525	> 5.000	7.56	131	9.27	8.21	18.0	37.55	456.00	493.55
260526	< 0.005								
260527	0.011								
260528	0.013								
260529	0.020								
260530	0.030								
260531	0.017								
260532	0.017								
260533	0.067								
260534	0.081								
260535	0.024								
260536	0.665								
260537	0.073								
260538	0.260								
260539	0.236								
260540	0.113								
260541	0.223								
260542	0.090								
260543	0.042								
260544	0.067								
260545	0.098								
260546	0.037								
260547	0.086								
260548	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260549	0.006								
260550	0.011								
260551	0.032								
260552	0.011								
260553	0.022								
260554	0.008								
260555	< 0.005								
260556	0.100								
260557	0.014								
260558	0.036								
260559	0.107								
260560	0.179								
260561	0.047								
260562	0.060								
260563	0.728								
260564	0.069								
260565	0.034								
260566	0.050								
260567	0.257								
260568	0.232								
260569	0.088								
260570	0.078								
260571	0.087								
260572	< 0.005								
260573	0.108								
260574	0.099								
260575	0.094								
260576	0.480								
260577	0.023								
260578	0.073								
260579	0.186								
260580	0.052								
260581	< 0.005								
260582	0.300								
260583	0.335								
260584	1.524								
260585	0.336								
260586	0.057								
260587	0.315								
260588	0.490								
260589	2.514								
260590	1.335								
260591	0.338								
260592	0.065								
260593	0.093								
260594	0.192								
260595	0.290								
260596	< 0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260597	0.302								
260598	0.329								
260599	0.134								
260600	0.148								
260601	0.186								
260602	0.087								
260603	1.607								
260604	0.266								
260605	0.174								
260606	2.305								
260607	0.188								
260608	0.092								
260609	0.142								
260610	0.096								
260611	0.136								
260612	0.477								
260613	0.036								
260614	0.076								
260615	0.099								
260616	0.018								
260617	0.068								
260618	0.010								
260619	< 0.005								
260620	0.189								
260621	0.264								
260622	0.117								
260623	0.153								
260624	< 0.005								
260625	0.221								
260626	0.028								
260627	0.033								
260628	0.018								
260629	0.052								
260630	0.037								
260631	0.324								
260632	0.087								
260633	3.229	3.28							
260634	< 0.005								
260635	0.046								
260636	0.642								
260637	0.030								
260638	0.098								
260639	3.559	3.40							
260640	0.078								
260641	2.940								
260642	0.035								
260643	0.128								
260644	0.169								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260645	0.065								
260646	0.076								
260647	0.359								
260648	< 0.005								
260649	0.019								
260650	0.032								
260651	0.058								
260652	0.029								
260653	0.046								
260654	0.068								
260655	0.054								
260656	0.026								
260657	0.007								
260658	0.035								
260659	0.007								
260660	0.176								
260661	0.012								
260662	< 0.005								
260663	< 0.005								
260664	0.011								
260665	< 0.005								
260666	0.097								
260667	0.005								
260668	0.795								
260669	0.025								
260670	0.103								
260671	0.017								
260672	< 0.005								
260673	0.008								
260674	0.059								
260675	0.014								
260676	0.136								
260677	0.009								
260678	0.202								
260679	0.063								
260680	0.133								
260681	0.255								
260682	0.166								
260683	0.027								
260684	< 0.005								
260685	0.018								
260686	0.008								
260687	0.045								
260688	0.088								
260689	0.022								
260690	0.044								
260691	< 0.005								
260692	0.106								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260693	0.048								
260694	0.013								
260695	< 0.005								
260696	< 0.005								
260697	0.033								
260698	0.017								
260699	0.042								
260700	0.008								
260701	0.006								
260702	0.016								
260703	0.048								
260704	0.005								
260705	0.012								
260706	0.042								
260707	0.033								
260708	0.027								
260709	0.496								
260710	0.007								
260711	0.038								
260712	0.472								
260713	0.010								
260714	0.077								
260715	0.018								
260716	0.262								
260717	0.023								
260718	0.164								
260719	0.167								
260720	0.596								
260721	0.137								
260722	0.196								
260723	0.075								
260724	< 0.005								
260725	0.022								
260726	0.087								
260727	0.246								
260728	0.093								
260729	0.037								
260730	0.084								
260731	0.080								
260732	0.033								
260733	0.178								
260734	0.090								
260735	0.024								
260736	0.644								
260737	0.018								
260738	0.164								
260739	0.060								
260740	> 5.000	11.8	15.6	12.6	10.2	11.7	36.74	442.00	478.74

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260741	3.474	2.95							
260742	2.876								
260743	0.049								
260744	< 0.005								
260745	< 0.005								
260746	0.020								
260747	< 0.005								
260748	< 0.005								
260749	< 0.005								
260750	< 0.005								
260751	0.722								
260752	0.248								
260753	1.713								
260754	1.020								
260755	0.240								
260756	0.321								
260757	> 5.000	22.2	162	16.1	18.3	29.1	38.91	436.00	474.91
260758	0.009								
260759	0.530								
260760	0.176								
260761	0.134								
260762	0.021								
260763	3.473	3.44							
260764	0.341								
260765	0.011								
260766	< 0.005								
260767	3.045	2.91							
260768	0.007								
260769	0.008								
260770	0.013								
260771	< 0.005								
260772	< 0.005								
260773	0.232								
260774	0.131								
260775	0.077								
260776	0.015								
260777	0.027								
260778	0.006								
260779	0.021								
260780	0.084								
260781	0.018								
260782	0.073								
260783	1.633								
260784	1.511								
260785	0.142								
260786	0.143								
260787	0.027								
260788	0.230								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260789	0.442								
260790	0.583								
260791	1.326								
260792	> 5.000	5.28	9.82	3.82	4.32	4.55	38.61	416.00	454.61
260793	0.261								
260794	0.492								
260795	0.376								
260796	< 0.005								
260797	0.346								
260798	0.029								
260799	0.064								
260800	0.092								
260801	0.333								
260802	0.097								
260803	0.025								
260804	0.025								
260805	0.061								
260806	0.483								
260807	0.115								
260808	0.049								
260809	0.902								
260810	1.108								
260811	0.375								
260812	0.482								
260813	0.909								
260814	0.467								
260815	0.921								
260816	1.075								
260817	1.017								
260818	0.618								
260819	1.339								
260820	1.992								
260821	1.634								
260822	0.720								
260823	1.724								
260824	< 0.005								
260825	1.500								
260826	1.146								
260827	0.518								
260828	0.397								
260829	0.293								
260830	0.339								
260831	0.938								
260832	1.362								
260833	2.522								
260834	1.190								
260835	1.919								
260836	0.665								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260837	3.545	3.76							
260838	0.648								
260839	0.025								
260840	< 0.005								
260841	< 0.005								
260842	0.130								
260843	0.081								
260844	0.376								
260845	0.124								
260846	0.200								
260847	0.315								
260848	< 0.005								
260849	0.076								
260850	0.112								
260851	0.257								
260852	0.584								
260853	0.356								
260854	0.030								
260855	0.032								
260856	0.158								
260857	0.019								
260858	0.033								
260859	0.059								
260860	0.174								
260861	0.016								
260862	0.028								
260863	0.025								
260864	0.032								
260865	0.055								
260866	0.005								
260867	0.025								
260868	0.133								
260869	0.073								
260870	0.090								
260871	0.053								
260872	< 0.005								
260873	0.018								
260874	0.079								
260875	0.025								
260876	0.007								
260877	0.029								
260878	0.239								
260879	0.202								
260880	0.127								
260881	0.149								
260882	0.429								
260883	0.048								
260884	1.462								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260885	0.034								
260886	0.123								
260887	0.051								
260888	0.027								
260889	0.049								
260890	0.041								
260891	0.102								
260892	0.219								
260893	0.053								
260894	0.172								
260895	0.059								
260896	< 0.005								
260897	0.017								
260898	0.009								
260899	0.084								
260900	0.081								
260901	0.295								
260902	0.050								
260903	0.019								
260904	0.029								
260905	0.029								
260906	0.152								
260907	< 0.005								
260908	0.684								
260909	0.149								
260910	0.076								
260911	0.041								
260912	0.490								
260913	0.010								
260914	0.020								
260915	0.016								
260916	0.006								
260917	0.095								
260918	0.020								
260919	0.082								
260920	0.026								
260921	0.011								
260922	0.407								
260923	0.025								
260924	< 0.005								
260925	0.013								
260926	0.007								
260927	0.007								
260928	< 0.005								
260929	0.005								
260930	0.017								
260931	0.026								
260932	0.112								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260933	0.035								
260934	0.007								
260935	0.011								
260936	0.657								
260937	0.046								
260938	0.045								
260939	0.022								
260940	0.016								
260941	0.013								
260942	0.039								
260943	0.005								
260944	0.015								
260945	< 0.005								
260946	0.294								
260947	0.157								
260948	< 0.005								
260949	0.006								
260950	0.018								
260951	0.005								
260952	0.101								
260953	0.040								
260954	0.018								
260955	4.530	4.63							
260956	0.007								
260957	< 0.005								
260958	< 0.005								
260959	< 0.005								
260960	0.171								
260961	0.027								
260962	0.025								
260963	0.036								
260964	< 0.005								
260965	< 0.005								
260966	0.006								
260967	0.031								
260968	< 0.005								
260969	0.777								
260970	0.013								
260971	0.055								
260972	< 0.005								
260973	0.051								
260974	0.087								
260975	0.110								
260976	< 0.005								
260977	0.013								
260978	0.040								
260979	0.006								
260980	0.025								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260981	0.141								
260982	< 0.005								
260983	< 0.005								
260984	1.470								
260985	0.008								
260986	0.016								
260987	0.006								
260988	0.024								
260989	0.007								
260990	0.012								
260991	0.009								
260992	0.014								
260993	0.005								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 257 Meas		14.1				13.8			
OREAS 257 Cert		14.18				14.18			
OREAS 257 Meas		14.1							
OREAS 257 Cert		14.18							
OREAS 256 (Fire Assay) Meas		7.76				7.60			
OREAS 256 (Fire Assay) Cert		7.66				7.66			
OREAS 256 (Fire Assay) Meas		7.71							
OREAS 256 (Fire Assay) Cert		7.66							
OREAS 239 (Fire Assay) Meas	3.462								
OREAS 239 (Fire Assay) Cert	3.55								
OREAS 239 (Fire Assay) Meas	3.682								
OREAS 239 (Fire Assay) Cert	3.55								
OREAS 239 (Fire Assay) Meas	3.568								
OREAS 239 (Fire Assay) Cert	3.55								
OREAS 239 (Fire Assay) Meas	3.561								
OREAS 239 (Fire Assay) Cert	3.55								
OREAS 239 (Fire Assay) Meas	3.646								
OREAS 239 (Fire Assay) Cert	3.55								
OREAS 239 (Fire Assay) Meas	3.631								
OREAS 239 (Fire Assay) Cert	3.55								
OREAS 239 (Fire Assay) Meas	3.618								
OREAS 239 (Fire Assay) Cert	3.55								
OREAS 239 (Fire Assay) Meas	3.664								
OREAS 239 (Fire Assay) Cert	3.55								
OREAS 239 (Fire Assay) Meas	3.668								
OREAS 239 (Fire Assay) Cert	3.55								
OREAS 239 (Fire Assay) Meas	3.517								
OREAS 239 (Fire Assay) Cert	3.55								
OREAS 239 (Fire Assay) Meas	3.431								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 239 (Fire Assay) Cert	3.55								
OREAS 239 (Fire Assay) Meas	3.513								
OREAS 239 (Fire Assay) Cert	3.55								
OREAS 239 (Fire Assay) Meas	3.538								
OREAS 239 (Fire Assay) Cert	3.55								
OREAS 239 (Fire Assay) Meas	3.641								
OREAS 239 (Fire Assay) Cert	3.55								
OREAS 239 (Fire Assay) Meas	3.536								
OREAS 239 (Fire Assay) Cert	3.55								
Oreas E1336 (Fire Assay) Meas	0.517								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.503								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.516								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.506								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.516								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.513								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.507								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.509								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.515								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.511								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Assay) Meas									
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.529								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.513								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.515								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.504								
Oreas E1336 (Fire Assay) Cert	0.510								
Oreas E1336 (Fire Assay) Meas	0.521								
Oreas E1336 (Fire Assay) Cert	0.510								
260508 Orig	0.047								
260508 Dup	0.074								
260516 Orig	0.023								
260516 Dup	0.022								
260525 Orig			131	9.27	8.21	18.0	37.55	456.00	493.55
260532 Orig	0.009								
260532 Dup	0.025								
260543 Orig	0.043								
260543 Dup	0.040								
260550 Split Orig PREP DUP	0.011								
260550 Split PREP DUP	0.012								
260550 Split PREP DUP	0.012								
260566 Orig	0.056								
260566 Dup	0.043								
260577 Orig	0.031								
260577 Dup	0.015								
260585 Orig	0.322								
260585 Dup	0.351								
260600 Split Orig PREP DUP	0.148								
260600 Split PREP DUP	0.204								
260600 Split PREP DUP	0.204								
260611 Orig	0.131								
260611 Dup	0.141								



Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260619 Orig	0.005								
260619 Dup	< 0.005								
260635 Orig	0.045								
260635 Dup	0.046								
260646 Orig	0.089								
260646 Dup	0.063								
260650 Split Orig PREP DUP	0.032								
260650 Split PREP DUP	0.048								
260653 Orig	0.041								
260653 Dup	0.051								
260669 Orig	0.023								
260669 Dup	0.026								
260680 Orig	0.126								
260680 Dup	0.140								
260688 Orig	0.079								
260688 Dup	0.097								
260700 Split Orig PREP DUP	0.008								
260700 Split PREP DUP	0.011								
260703 Orig	0.048								
260714 Orig	0.090								
260714 Dup	0.064								
260722 Orig	0.190								
260722 Dup	0.201								
260738 Orig	0.168								
260738 Dup	0.161								
260740 Orig			15.6	12.6	10.2	11.7	36.74	442.00	478.74
260749 Orig	< 0.005								
260749 Dup	< 0.005								
260750 Split Orig PREP DUP	< 0.005								
260750 Split PREP DUP	< 0.005								
260756 Orig	0.321								
260757 Orig			162	16.1	18.3	29.1	38.91	436.00	474.91
260772 Orig	< 0.005								
260772 Dup	< 0.005								
260783 Orig	1.618								
260783 Dup	1.648								
260791 Orig	1.266								
260791 Dup	1.386								
260792 Orig			9.82	3.82	4.32	4.55	38.61	416.00	454.61
260800 Split Orig PREP DUP	0.092								
260800 Split PREP DUP	0.064								
260806 Orig	0.444								

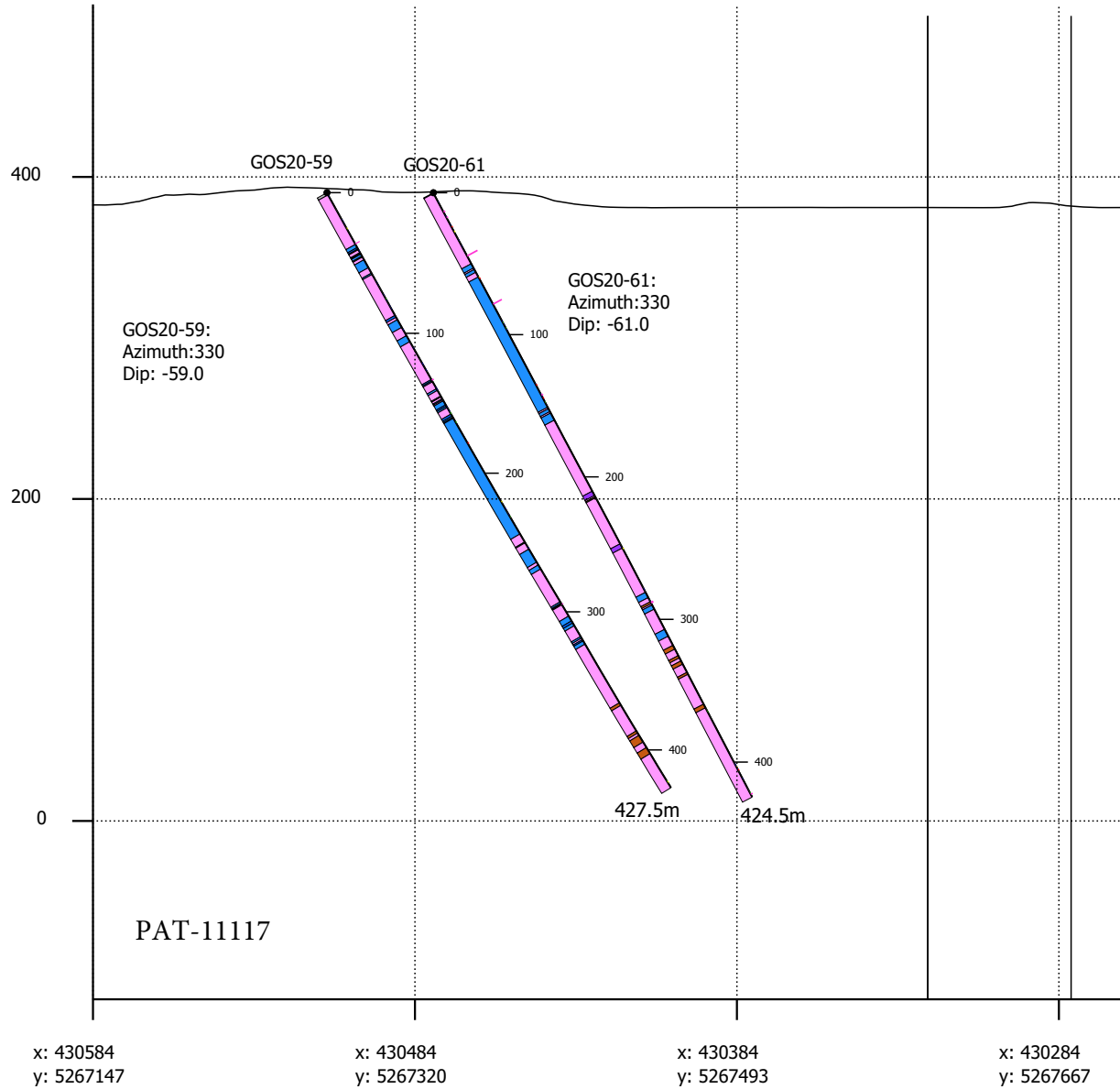
Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	0.005	0.02	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
260806 Dup	0.521								
260817 Orig	1.063								
260817 Dup	0.971								
260825 Orig	1.392								
260825 Dup	1.607								
260841 Orig	< 0.005								
260841 Dup	< 0.005								
260850 Split Orig PREP DUP	0.112								
260850 Split PREP DUP	0.096								
260851 Orig	0.260								
260851 Dup	0.253								
260859 Orig	0.047								
260859 Dup	0.071								
260875 Orig	0.029								
260875 Dup	0.021								
260886 Orig	0.123								
260894 Orig	0.183								
260894 Dup	0.162								
260900 Split Orig PREP DUP	0.081								
260900 Split PREP DUP	0.105								
260909 Orig	0.149								
260920 Orig	0.029								
260920 Dup	0.024								
260928 Orig	< 0.005								
260928 Dup	< 0.005								
260944 Orig	0.016								
260944 Dup	0.013								
260950 Split Orig PREP DUP	0.018								
260950 Split PREP DUP	0.008								
260954 Orig	0.019								
260954 Dup	0.016								
260962 Orig	0.016								
260962 Dup	0.034								
260978 Orig	0.041								
260978 Dup	0.039								
260989 Orig	0.007								
260989 Dup	0.007								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								
Method Blank	< 0.005								



Appendix C:  
Drill Plan Map

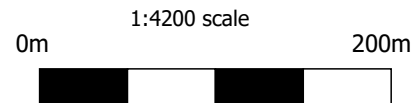
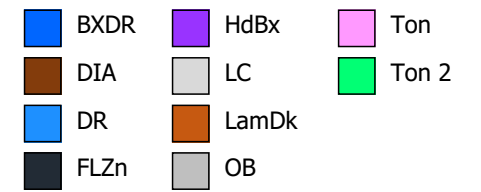
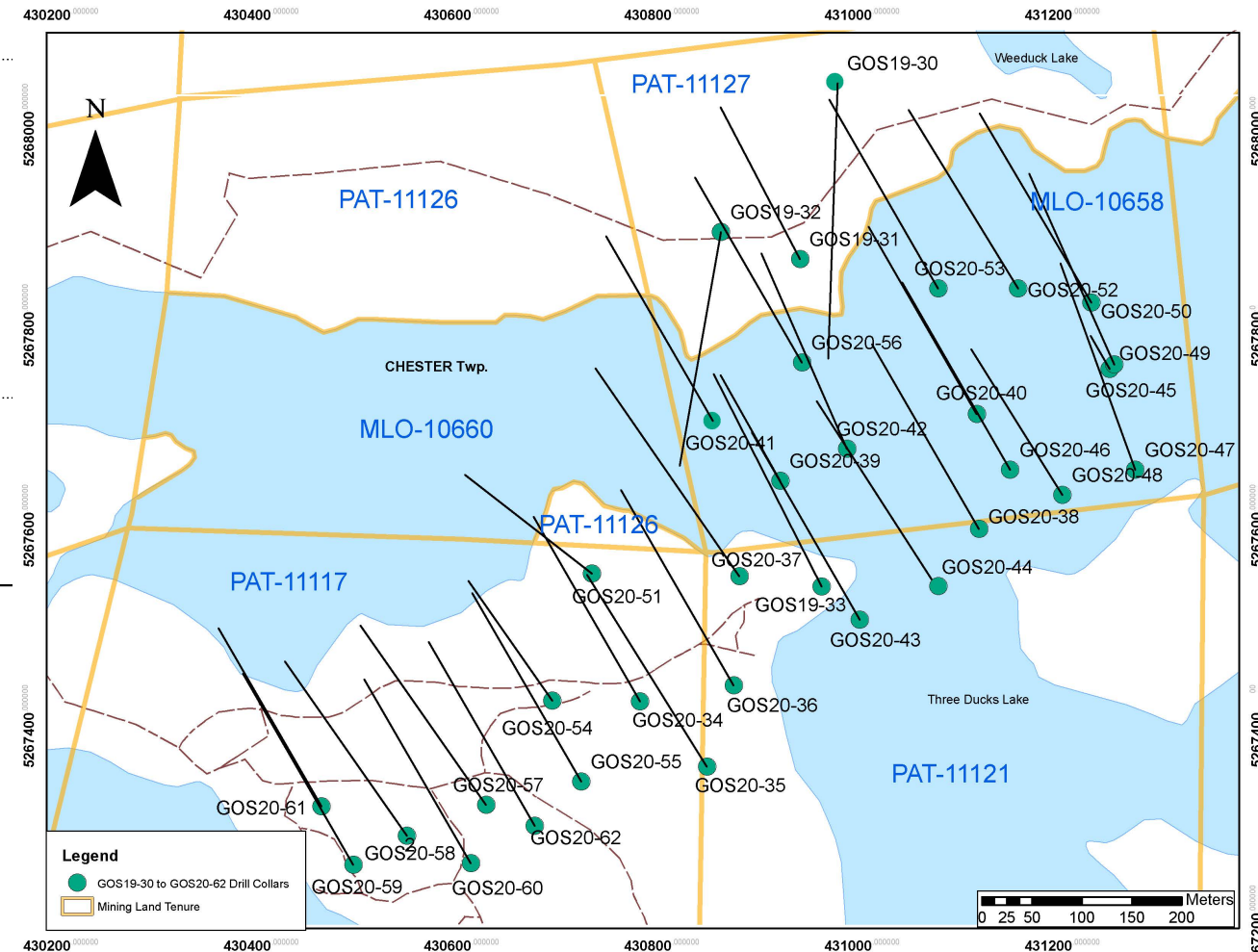


Appendix D:  
Vertical Sections

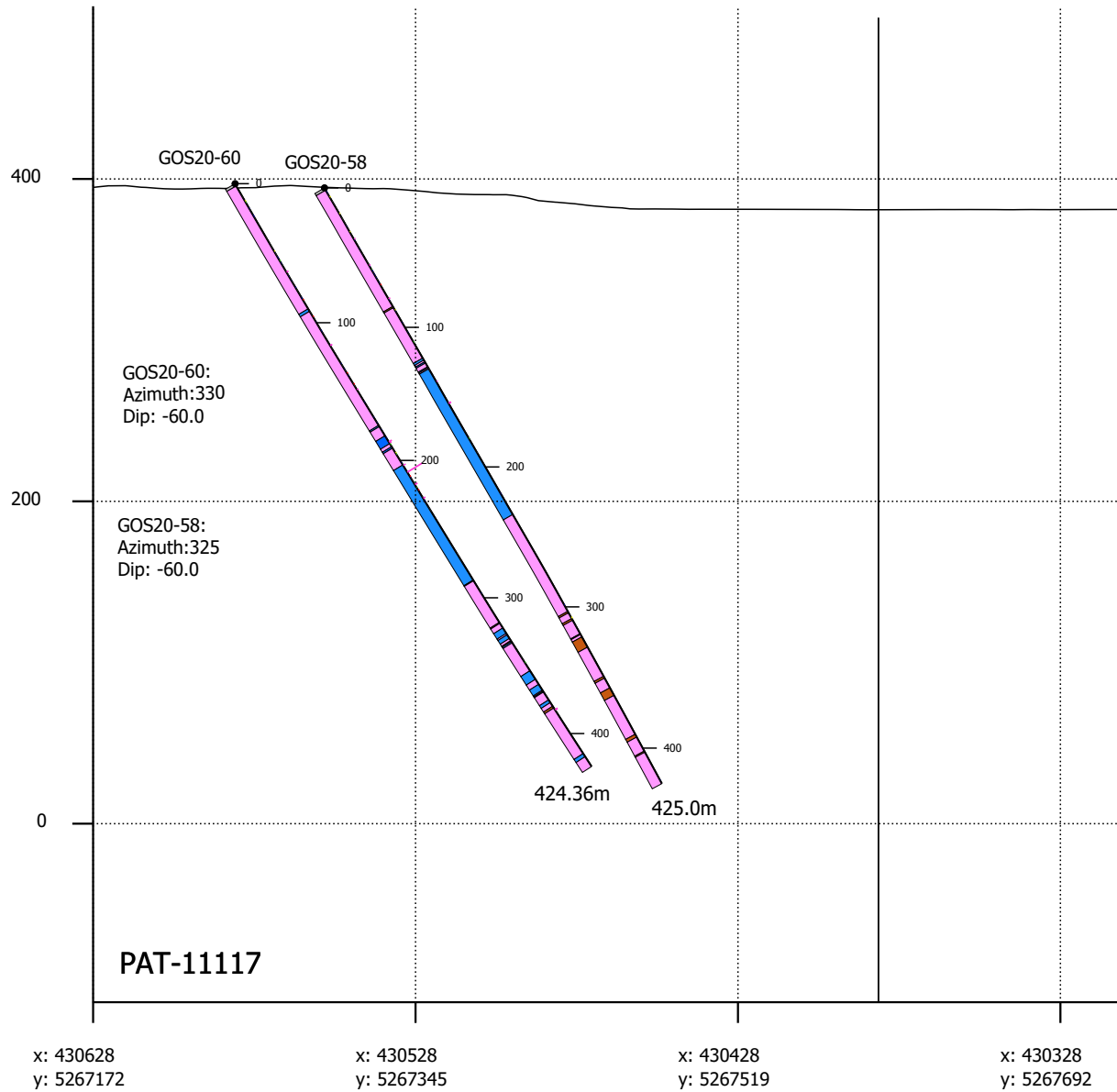
**A****Section GOS20-59 & GOS20-61****Location** (Looking South-westerly)

A: 430584, 5267147

B: 430071, 5268036

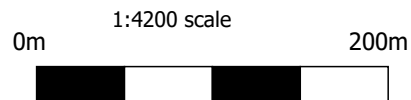
**B****Legend****Lithology****Au Assay Histograms (ppm)**

**A Section GOS20-58, GOS20-60**



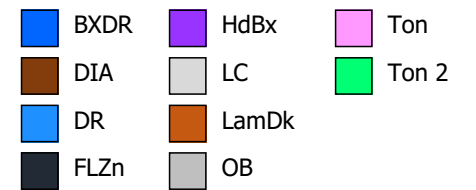
**Location (Looking South-westerly)**

A: 430628, 5267172  
B: 430115, 5268061

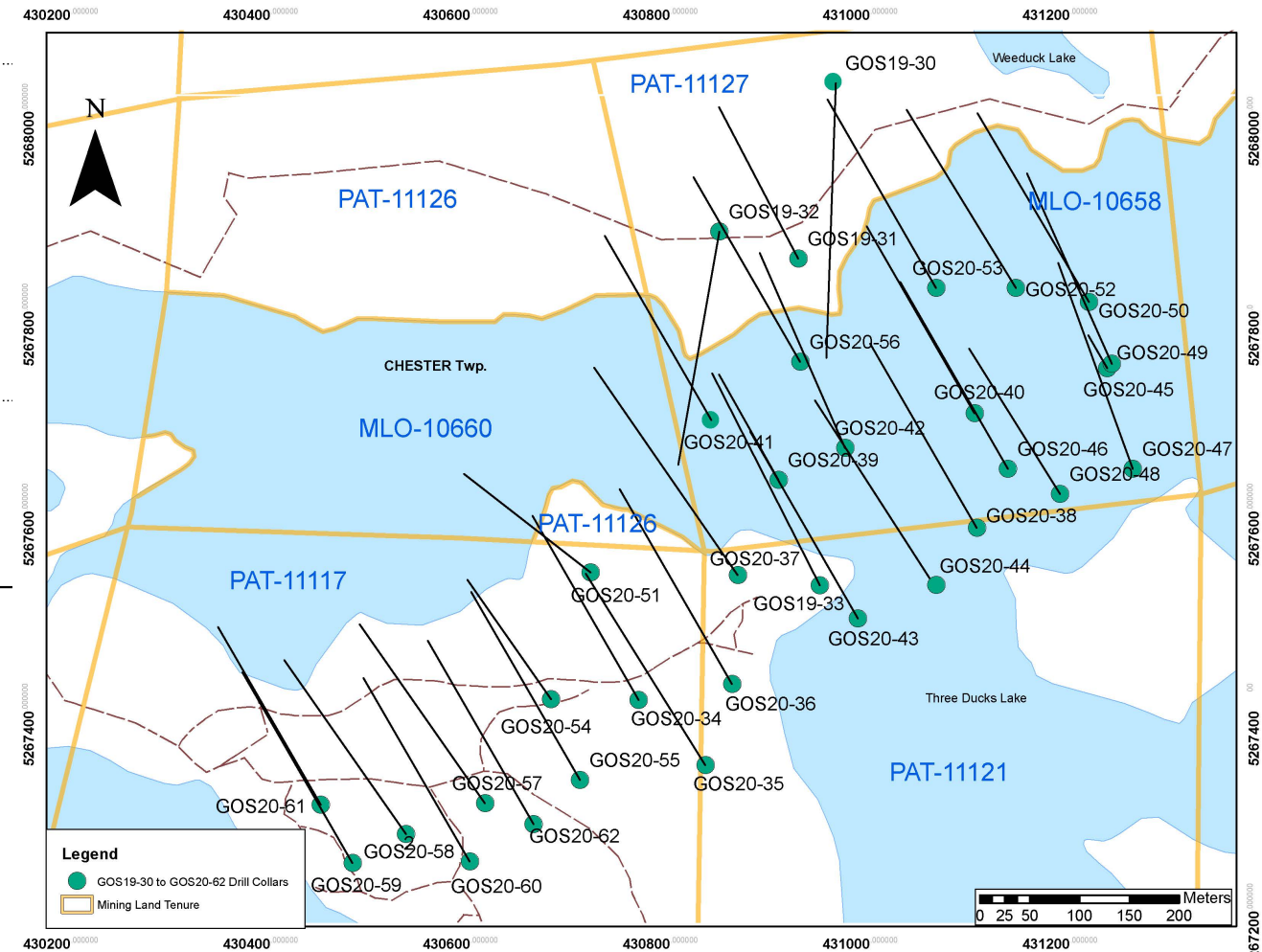


**B Legend**

**Lithology**

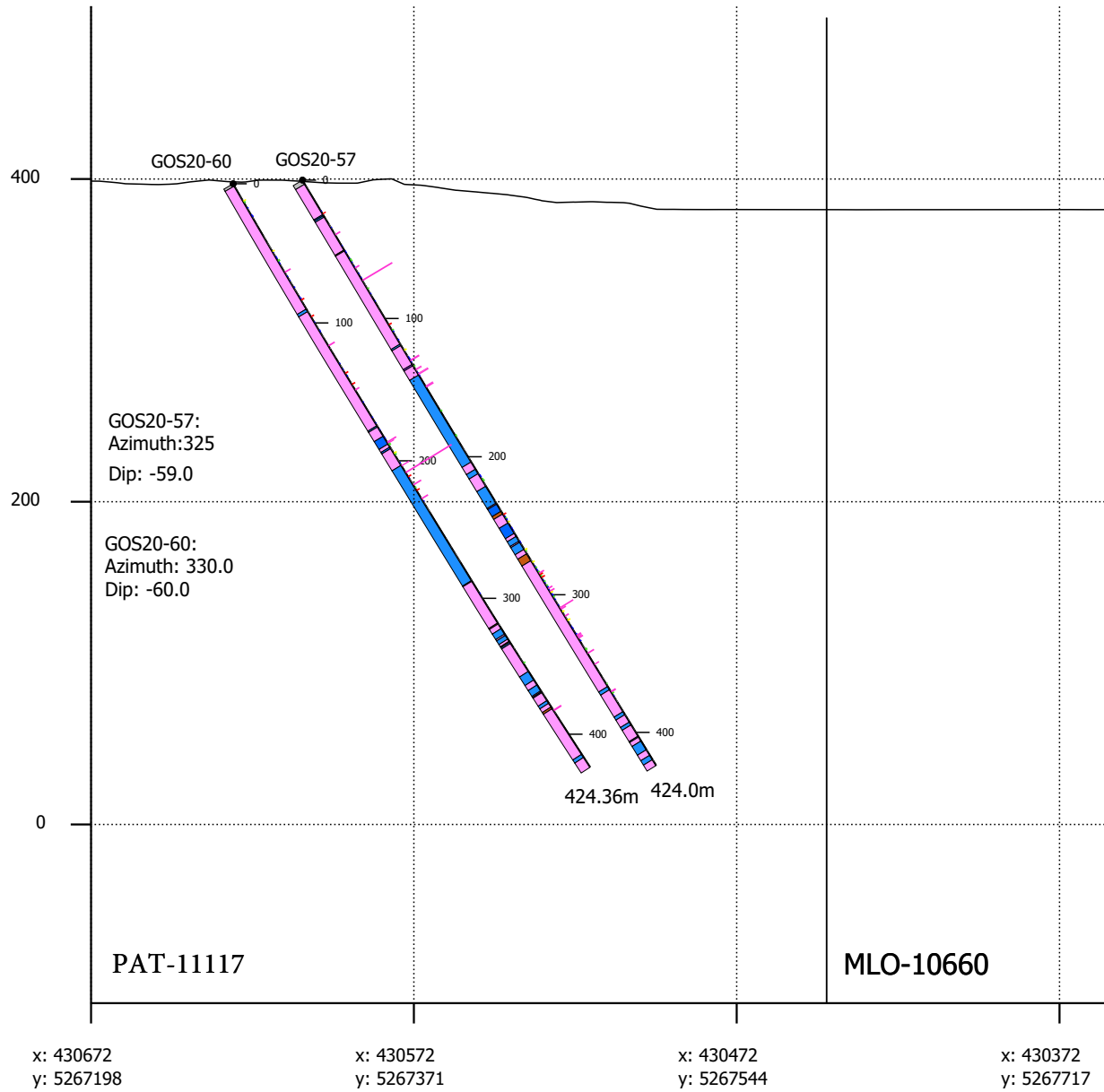


**Au Assay Histograms (ppm)**



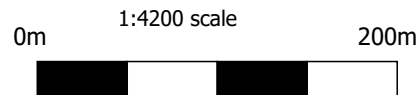


**A** Section GOS20-57, GOS20-60



**Location** (Looking South-westerly)

A: 430672, 5267198  
B: 430158, 5268086

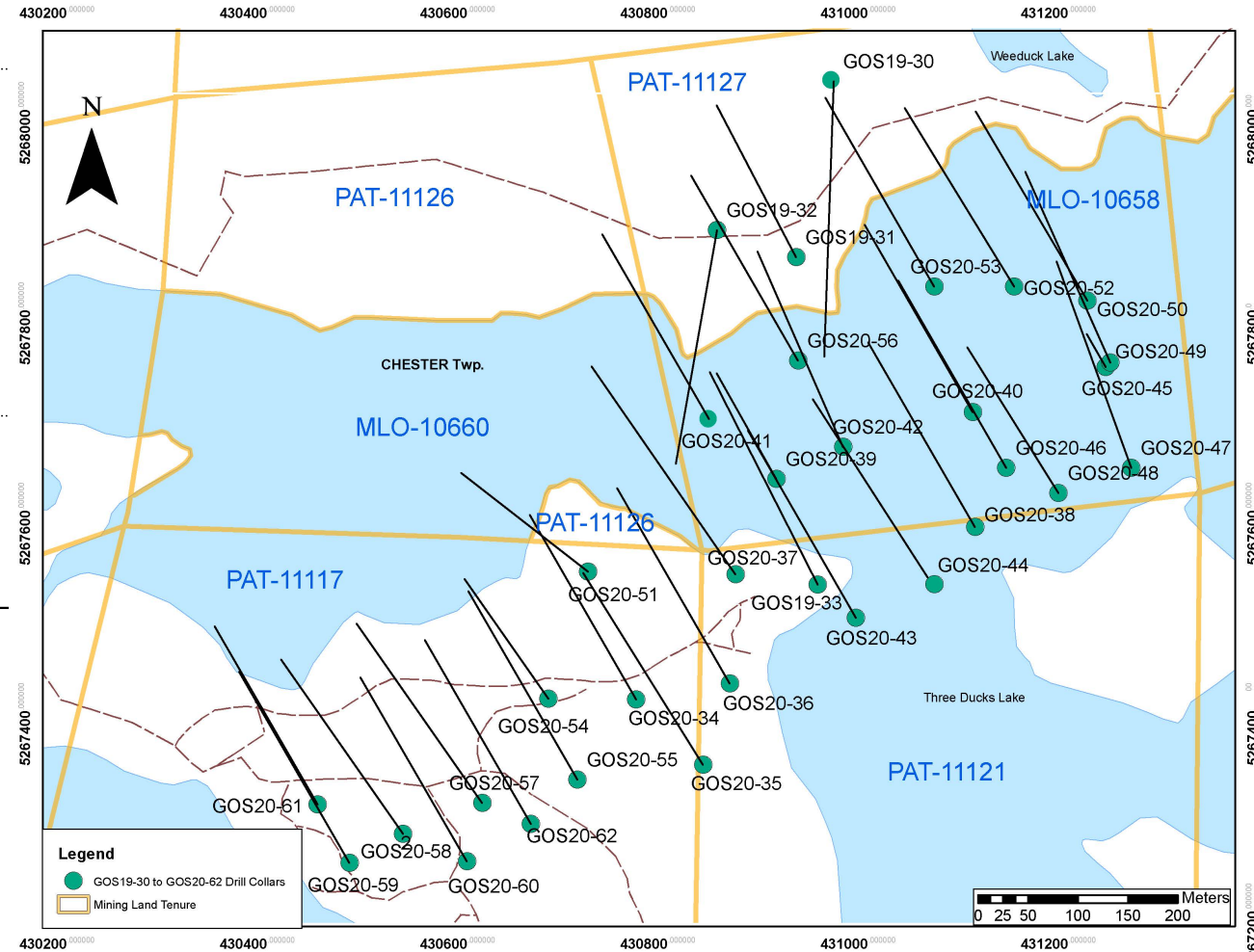


**B** Legend

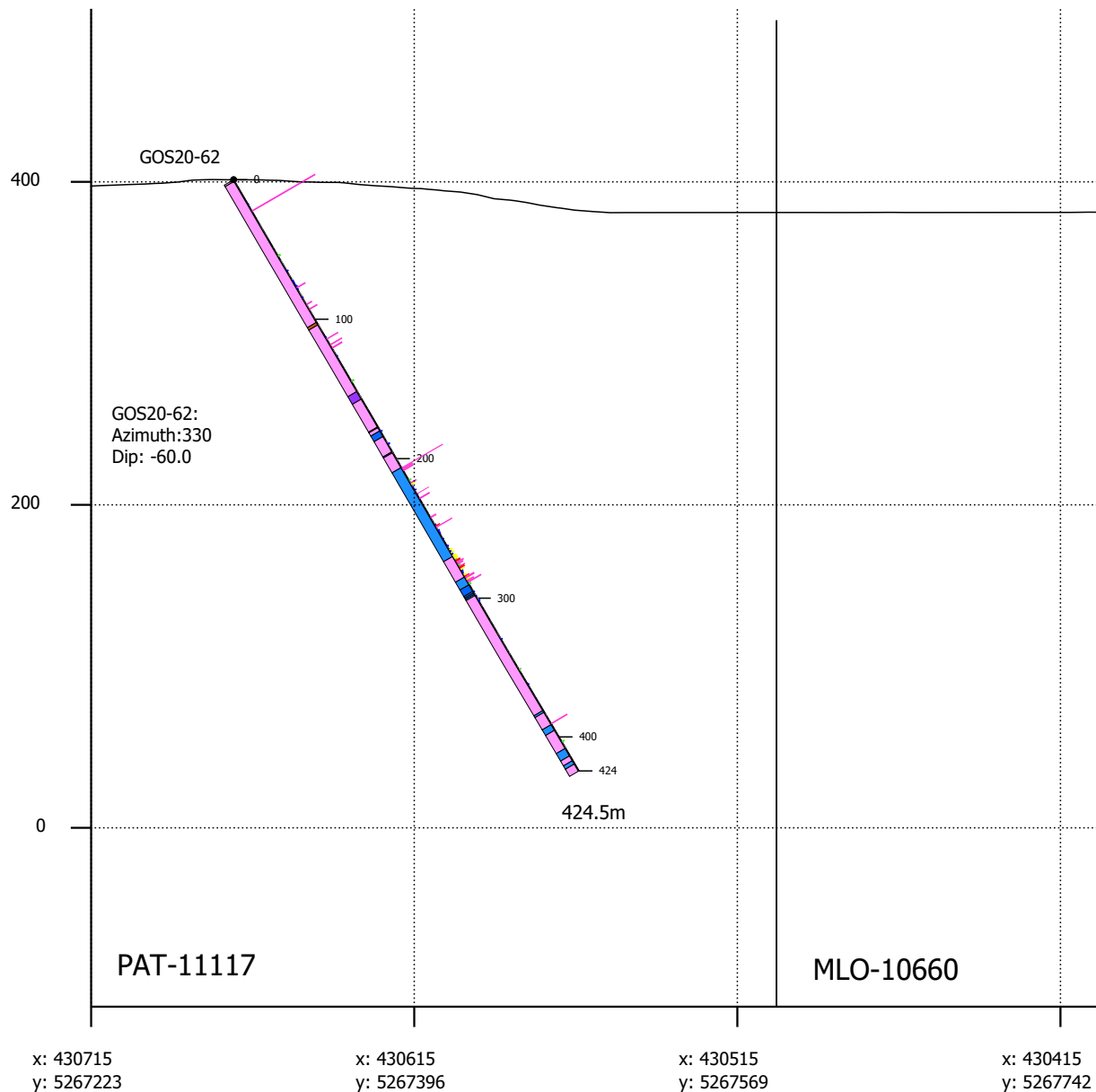
**Lithology**



**Au Assay Histograms (ppm)**



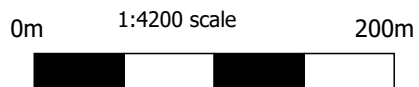
**A Section GOS20-62**



x: 430715 y: 5267223      x: 430615 y: 5267396      x: 430515 y: 5267569      x: 430415 y: 5267742

**Location (Looking South-westerly)**

A: 430715, 5267223  
 B: 430202, 5268111

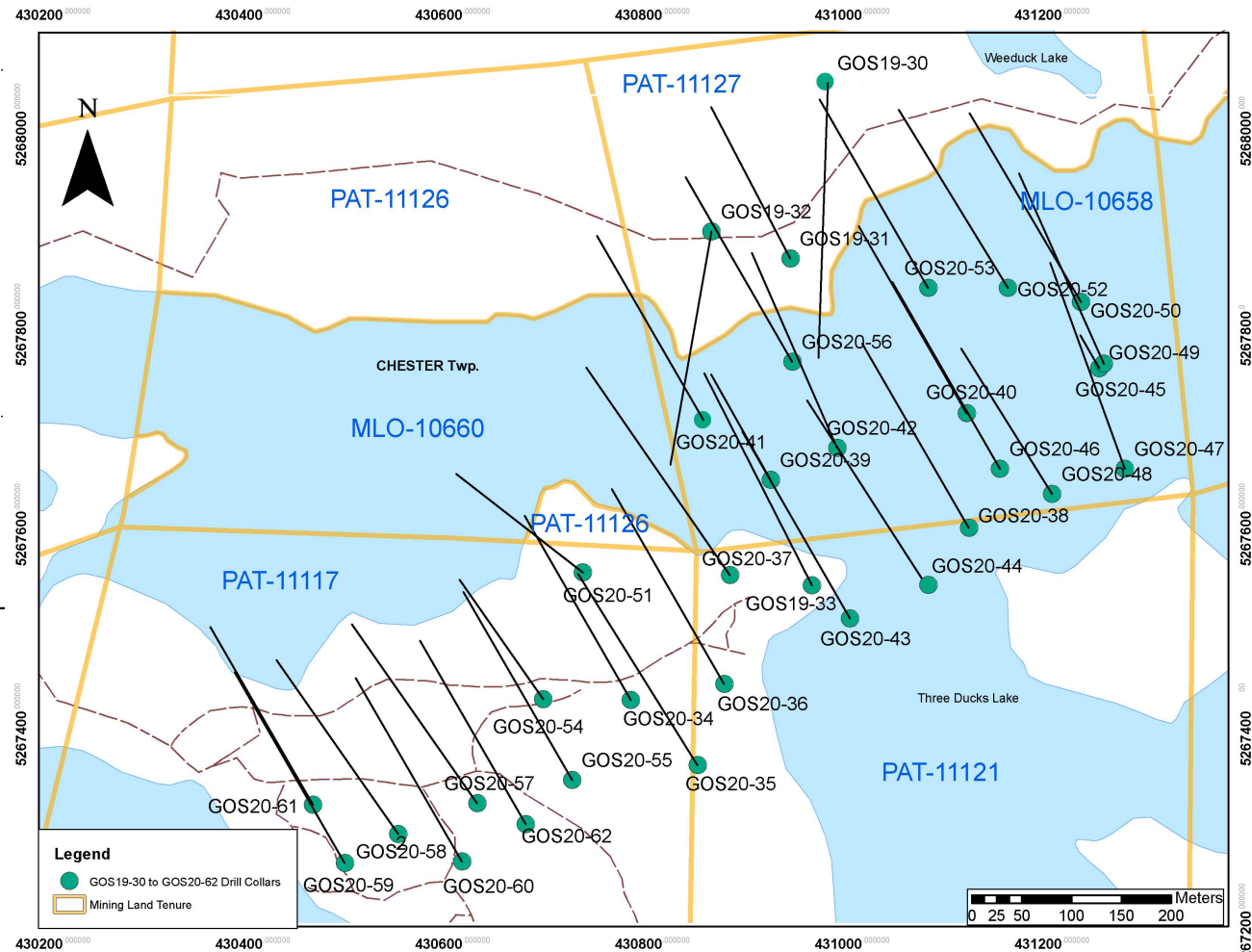
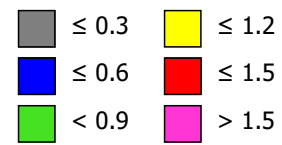


**B Legend**

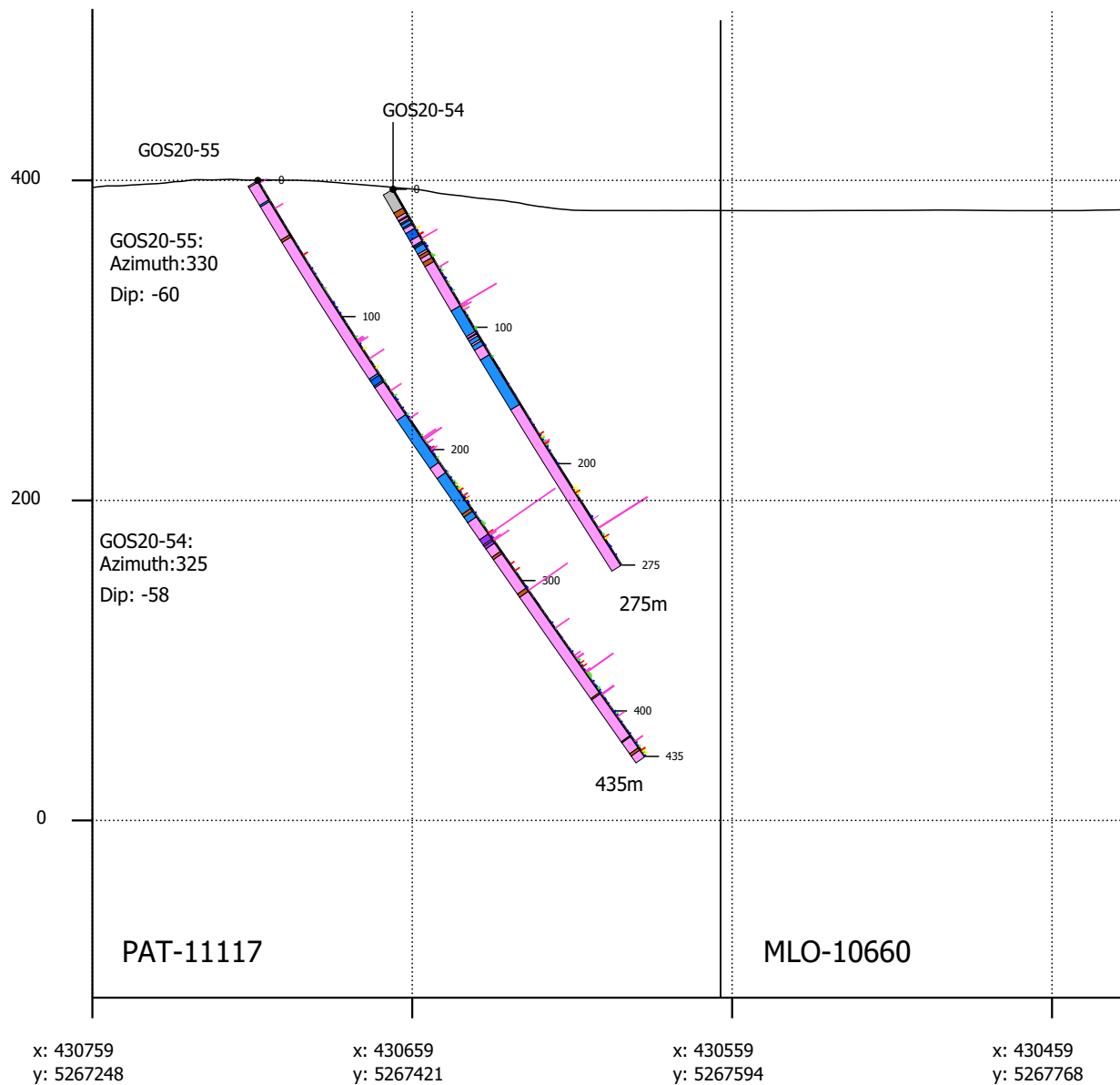
**Lithology**



**Au Assay Histograms (ppm)**

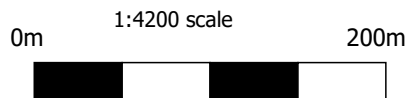


### A Section GOS20-54, GOS20-55



### Location (Looking South-westerly)

A: 430759, 5267248  
B: 430246, 5268137

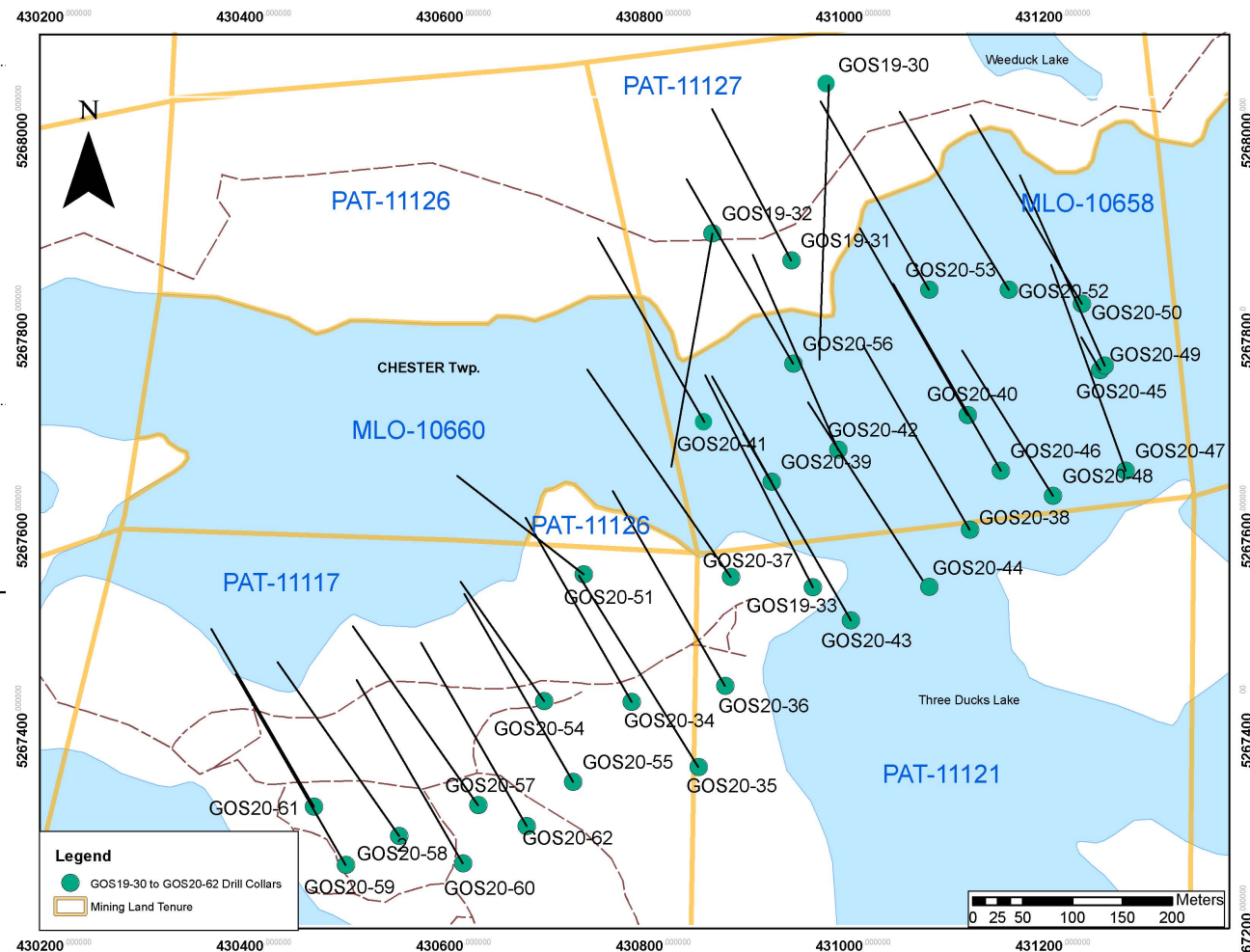


### B Legend

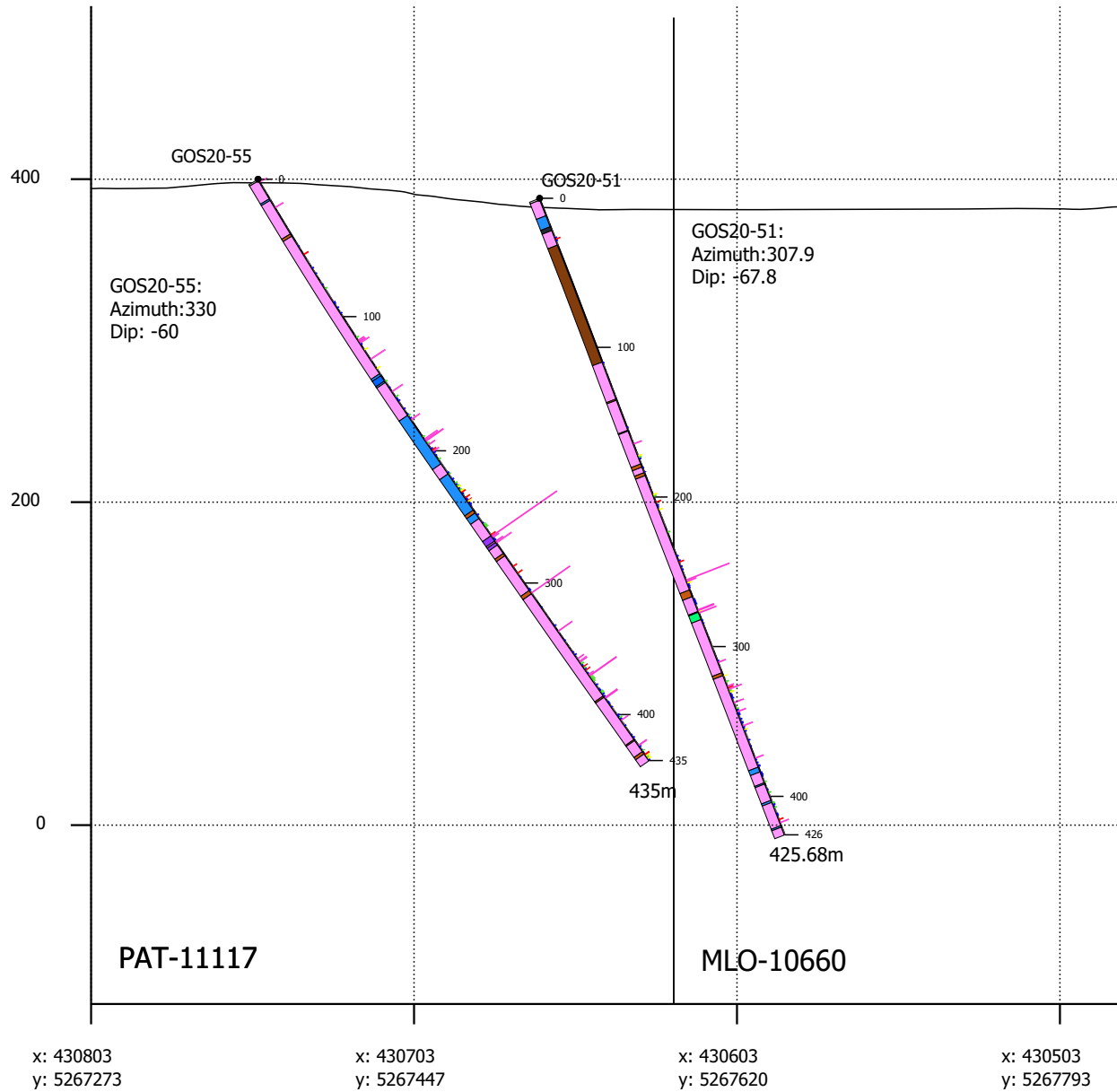
#### Lithology



#### Au Assay Histograms (ppm)

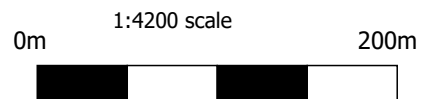


**A**  
Section GOS20-51, GOS20-55



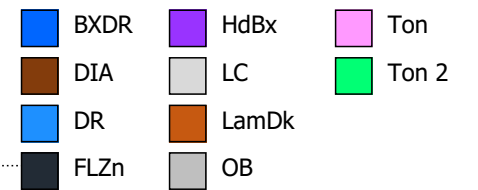
**Location (Looking South-westerly)**

A: 430803, 5267273  
B: 430290, 5268162

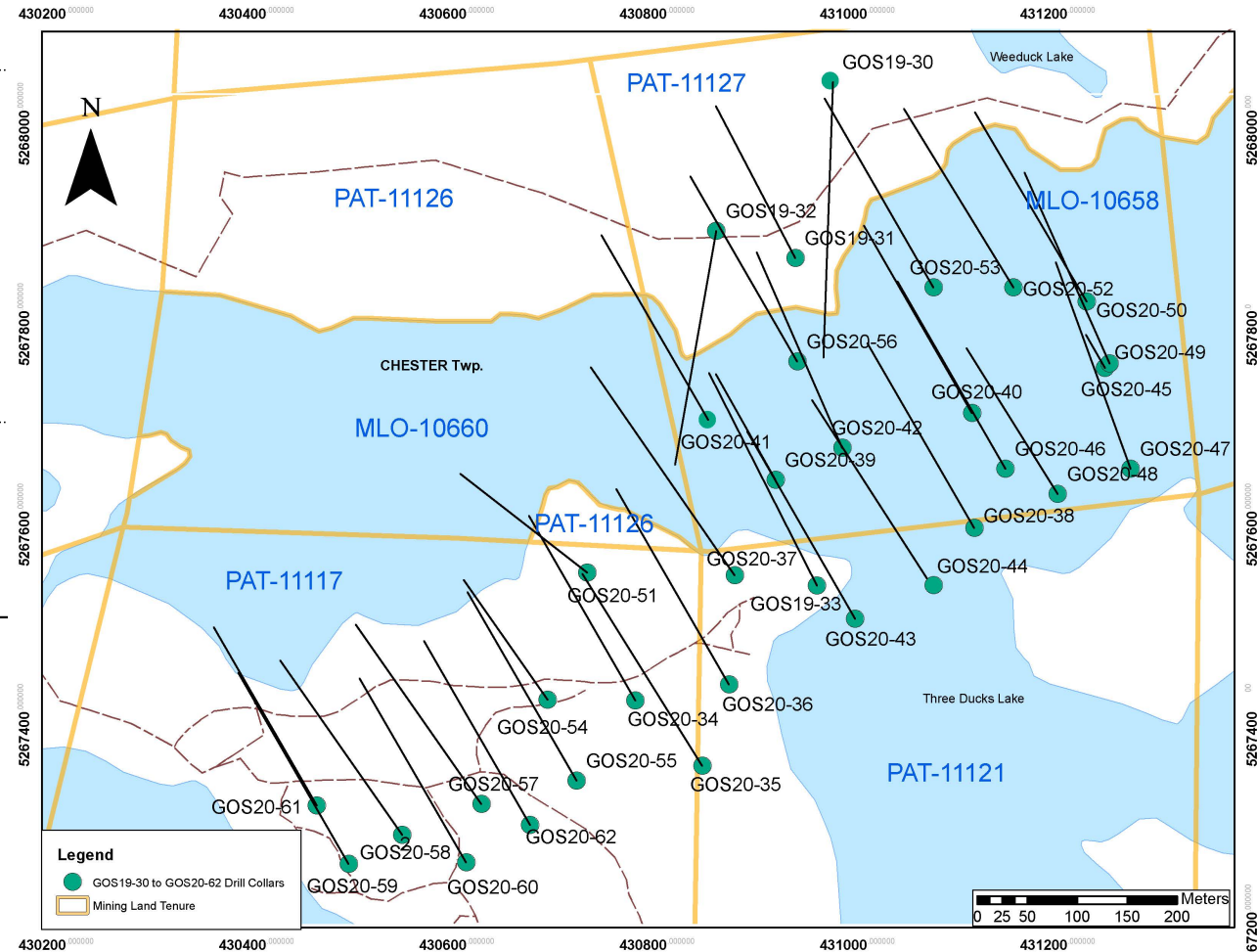


**B**  
Legend

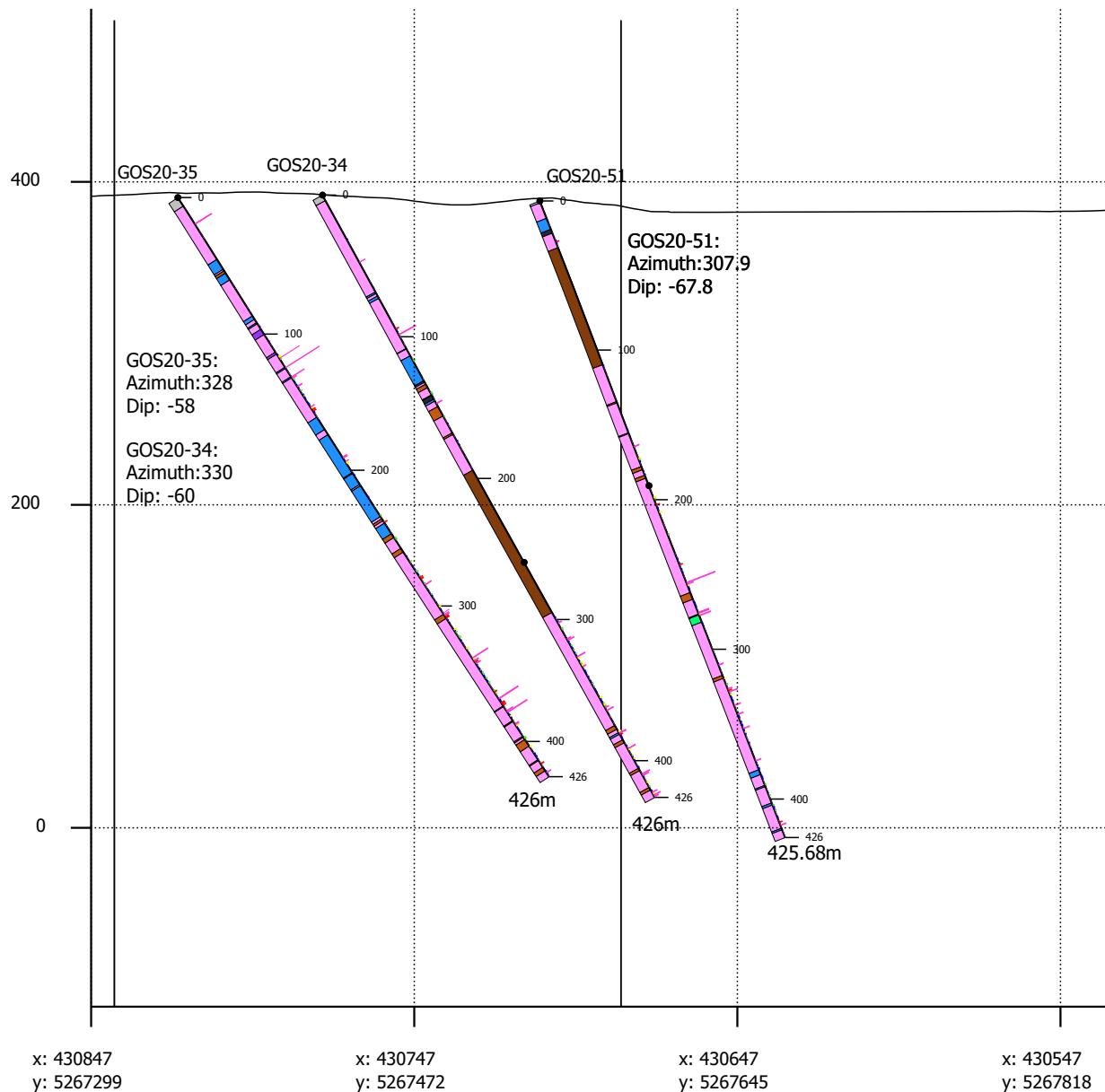
**Lithology**



**Au Assay Histograms (ppm)**



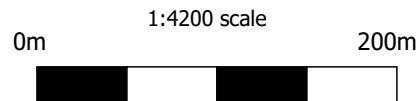
**A Section GOS20-34, GOS20-35, GOS20-51**



x: 430847 y: 5267299      x: 430747 y: 5267472      x: 430647 y: 5267645      x: 430547 y: 5267818

**Location (Looking South-westerly)**

A: 430847, 5267299  
 B: 430334, 5268187

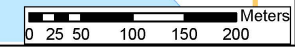
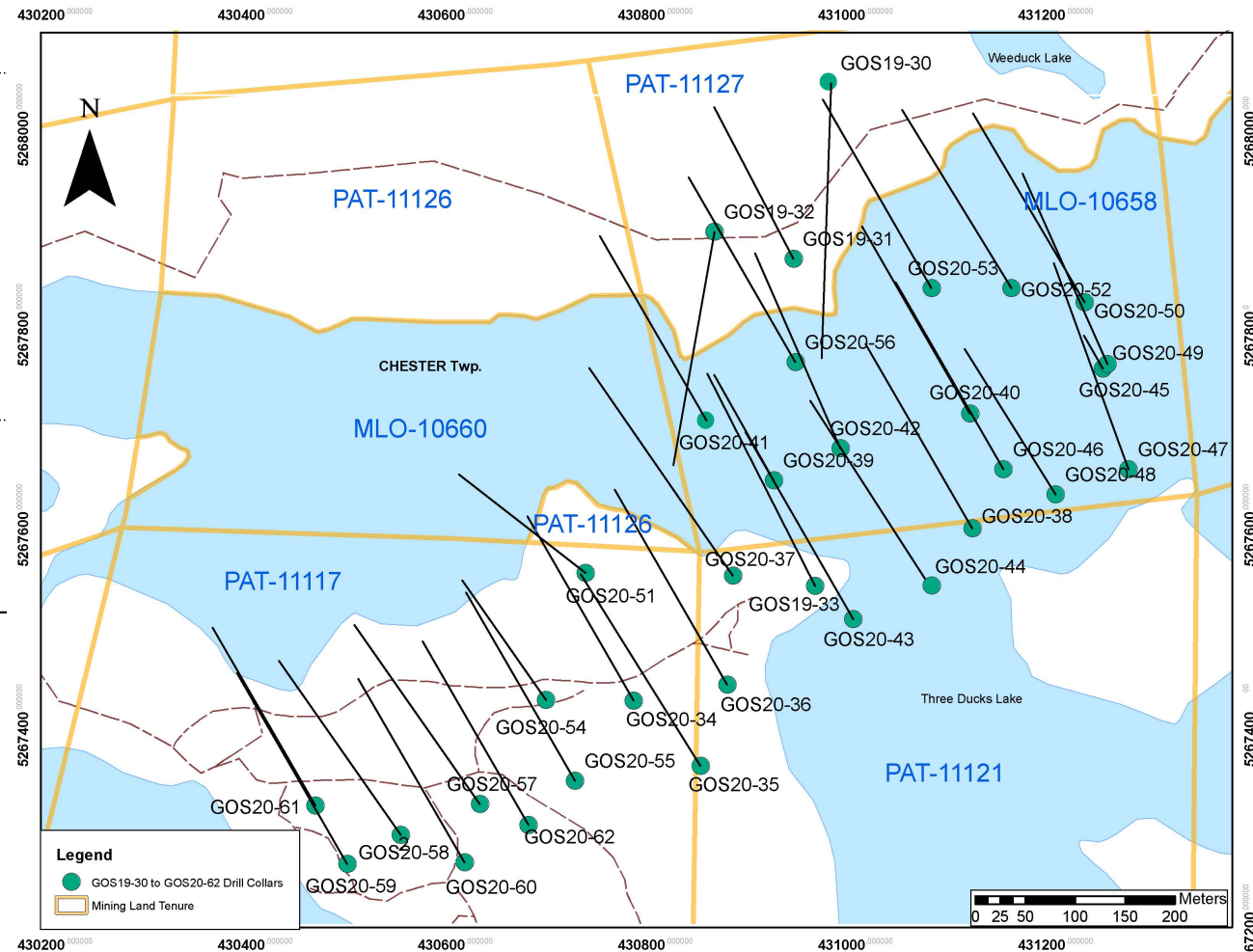


**B Legend**

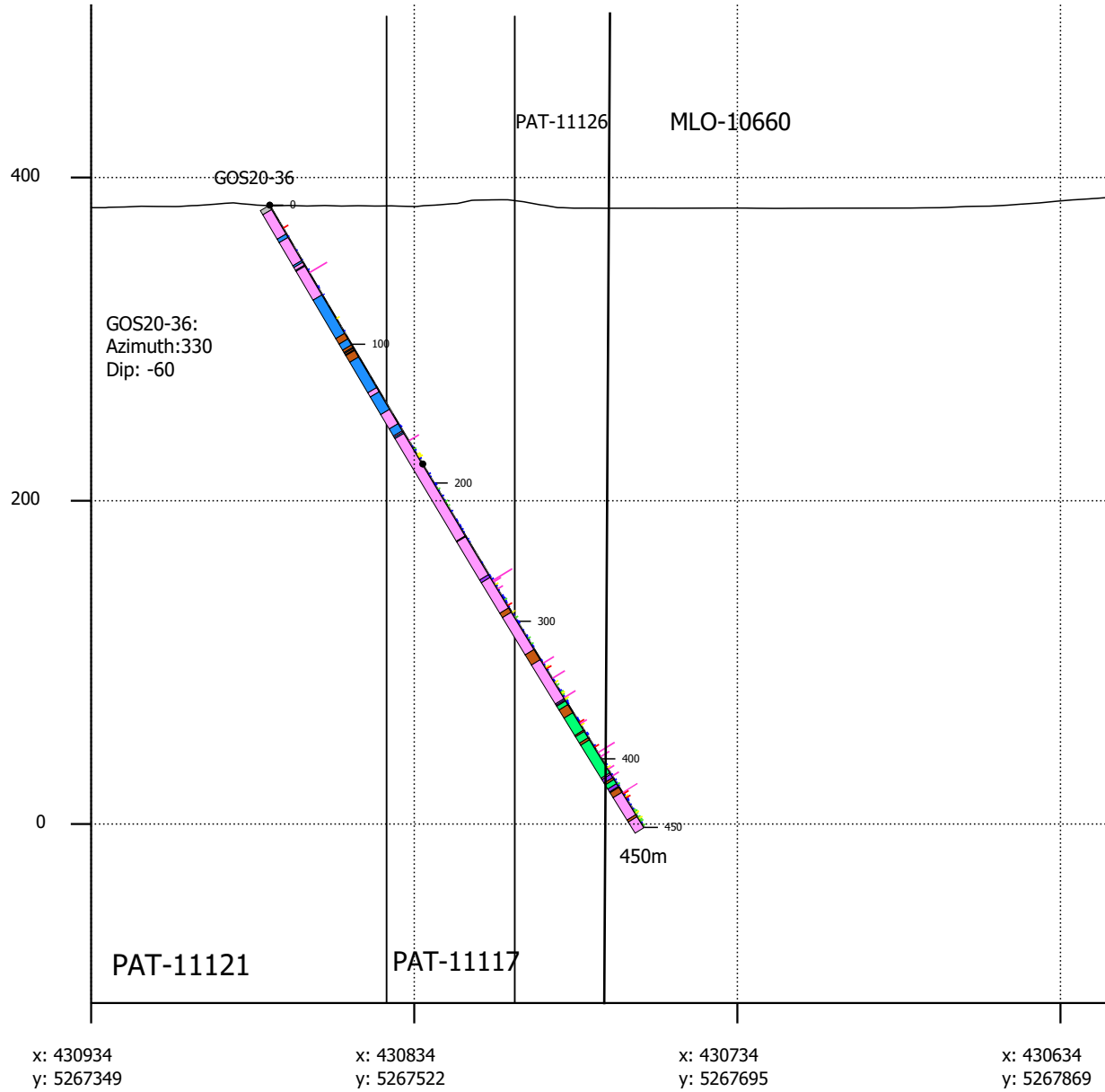
**Lithology**



**Au Assay Histograms (ppm)**

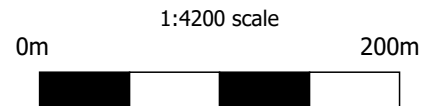


**A Section GOS21-36**



**Location** (Looking South-westerly)

A: 430934, 5267349  
B: 430421, 5268238

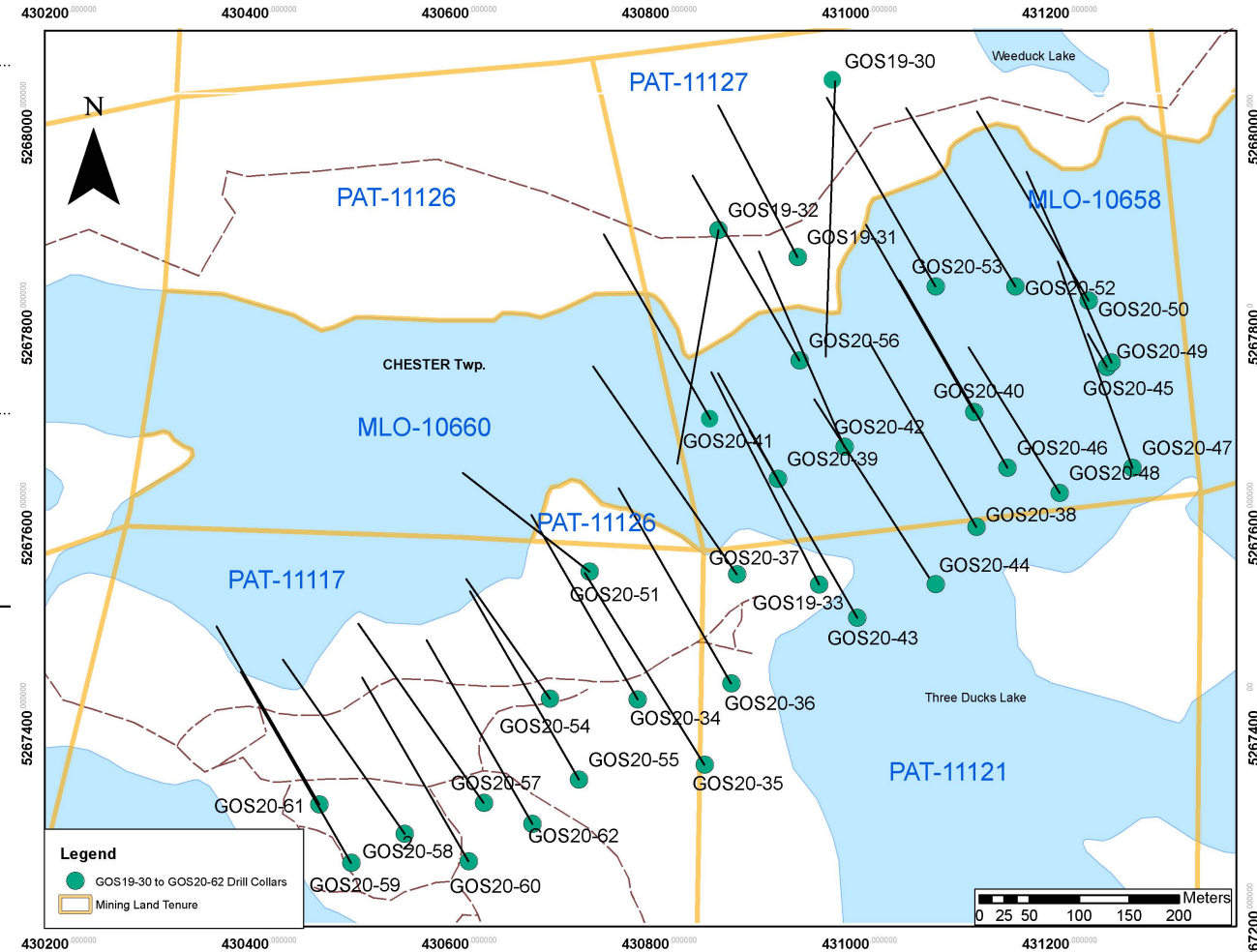


**B Legend**

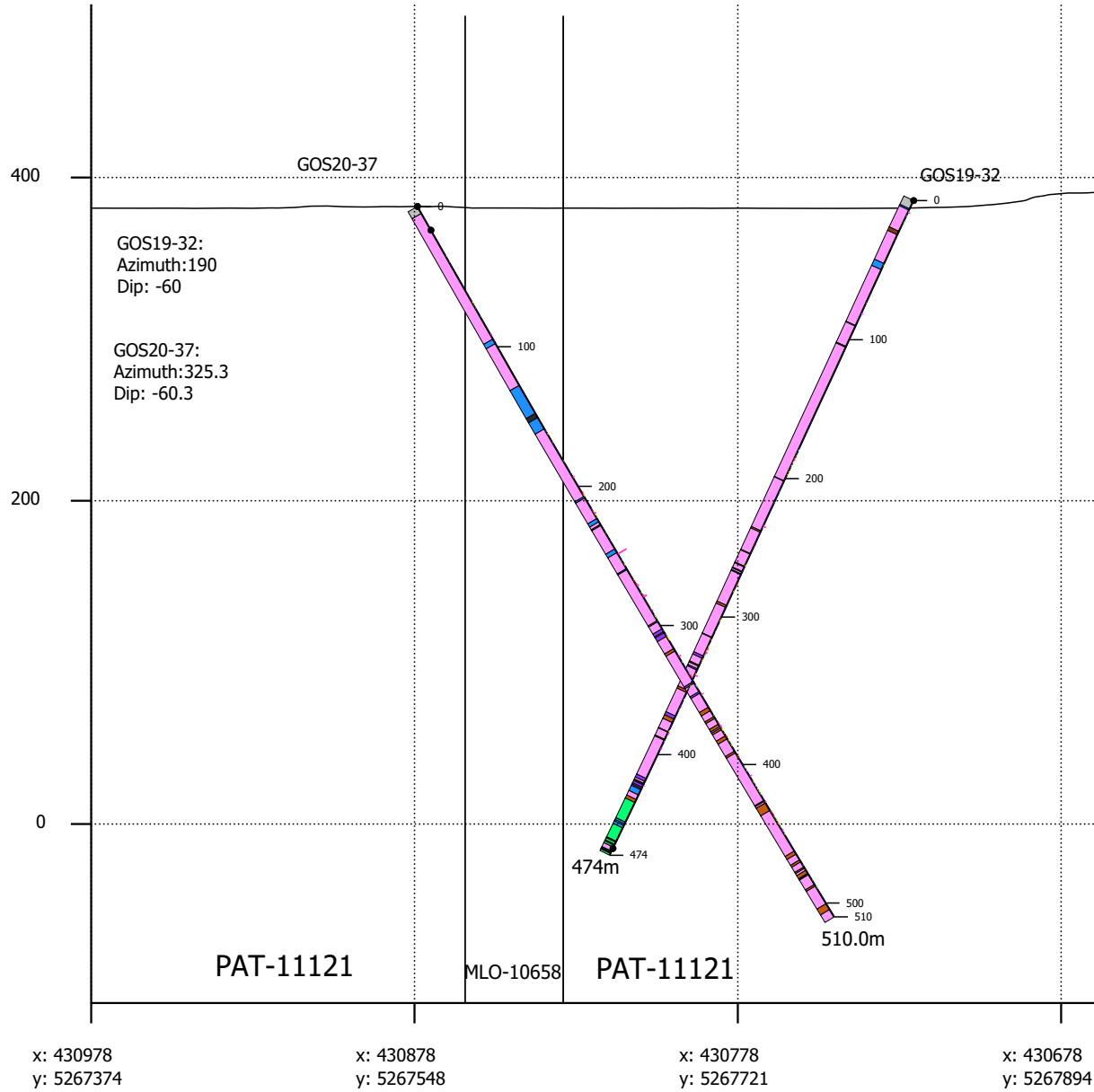
**Lithology**



**Au Assays Histograms (ppm)**

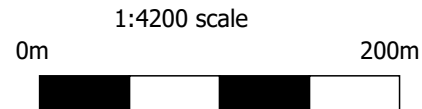


**A** Section GOS19-32, GOS20-37



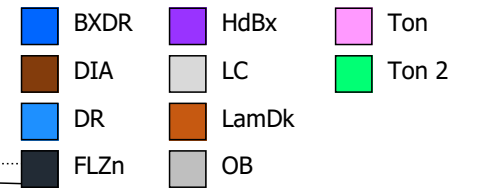
**Location** (Looking South-westerly)

A: 430978, 5267374  
B: 430465, 5268263

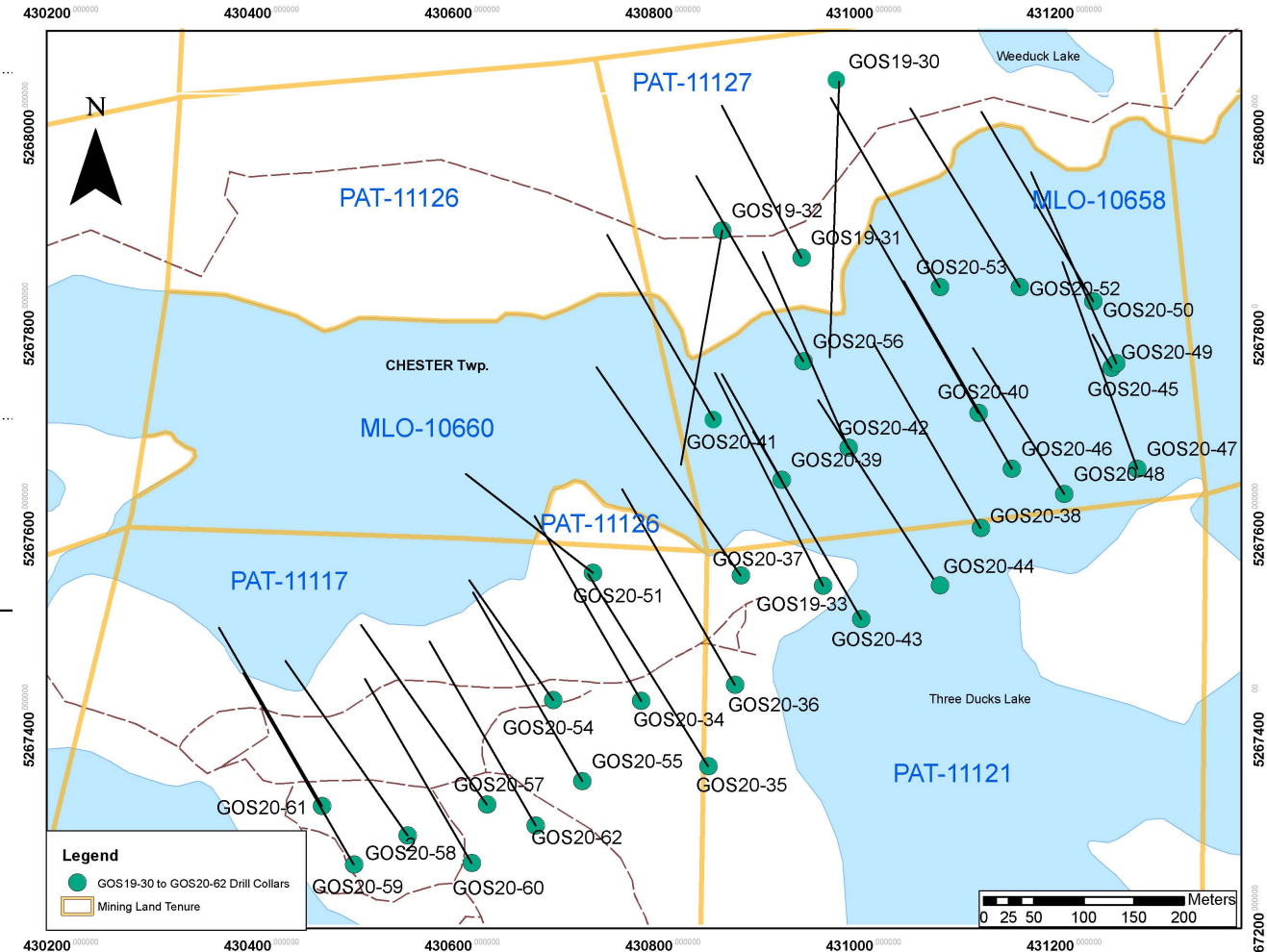


**B** Legend

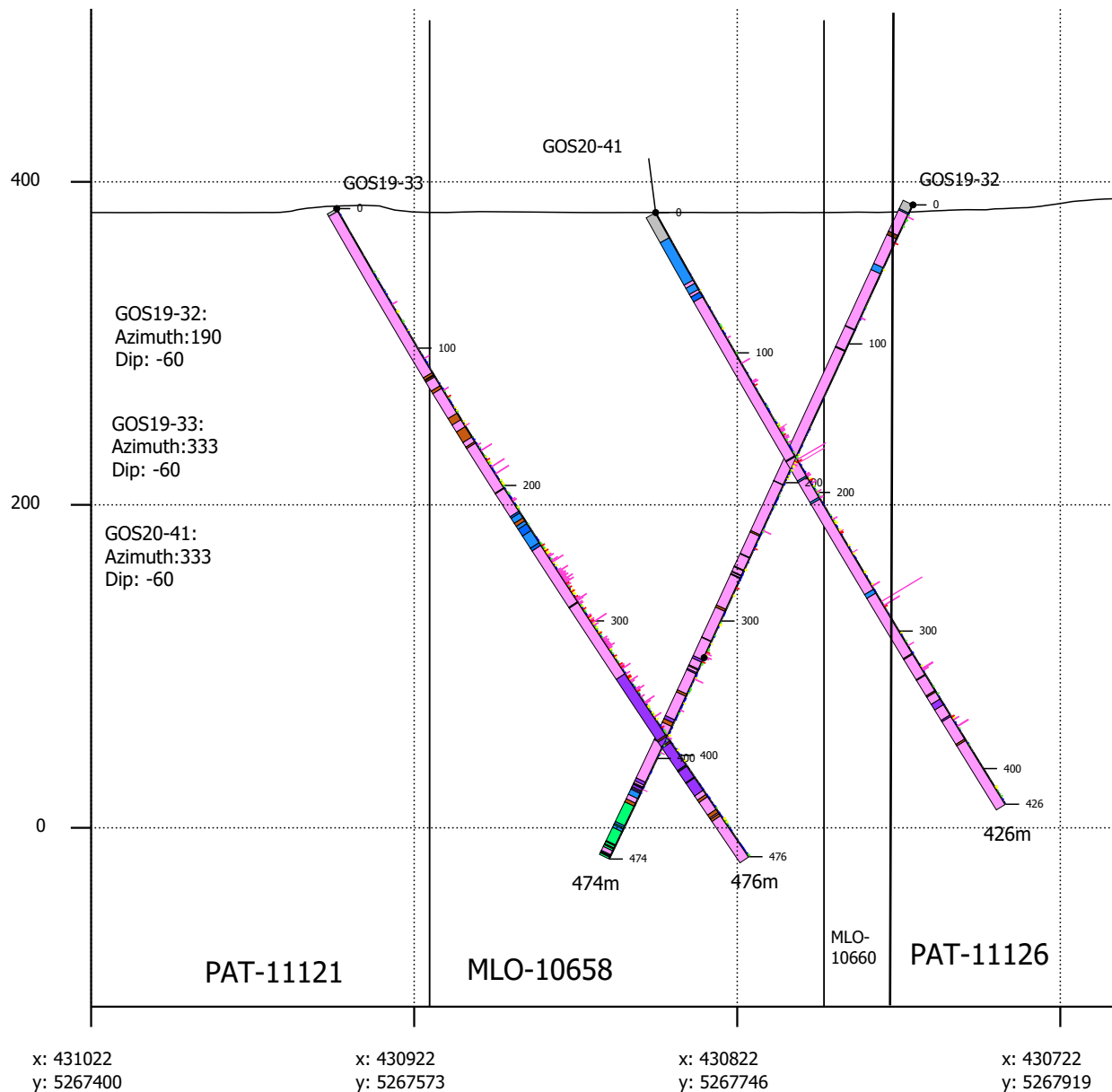
**Lithology**



**Au Assay Histograms (ppm)**

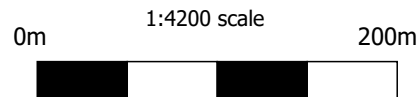


**A Section GOS19-32, GOS19-33, GOS20-41**



**Location (Looking South-westerly)**

A: 431022, 5267400  
B: 430509, 5268288

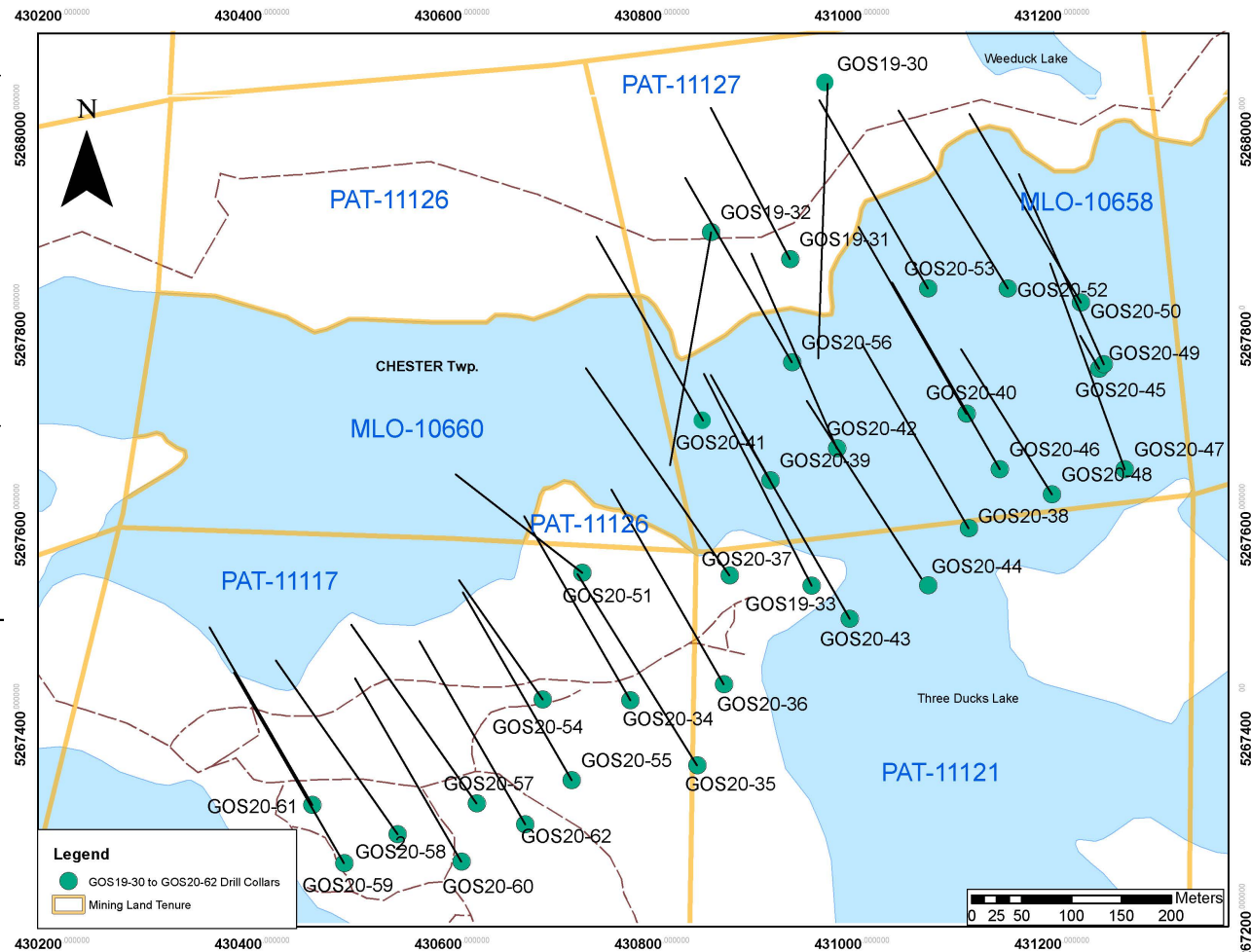


**B Legend**

**Lithology**

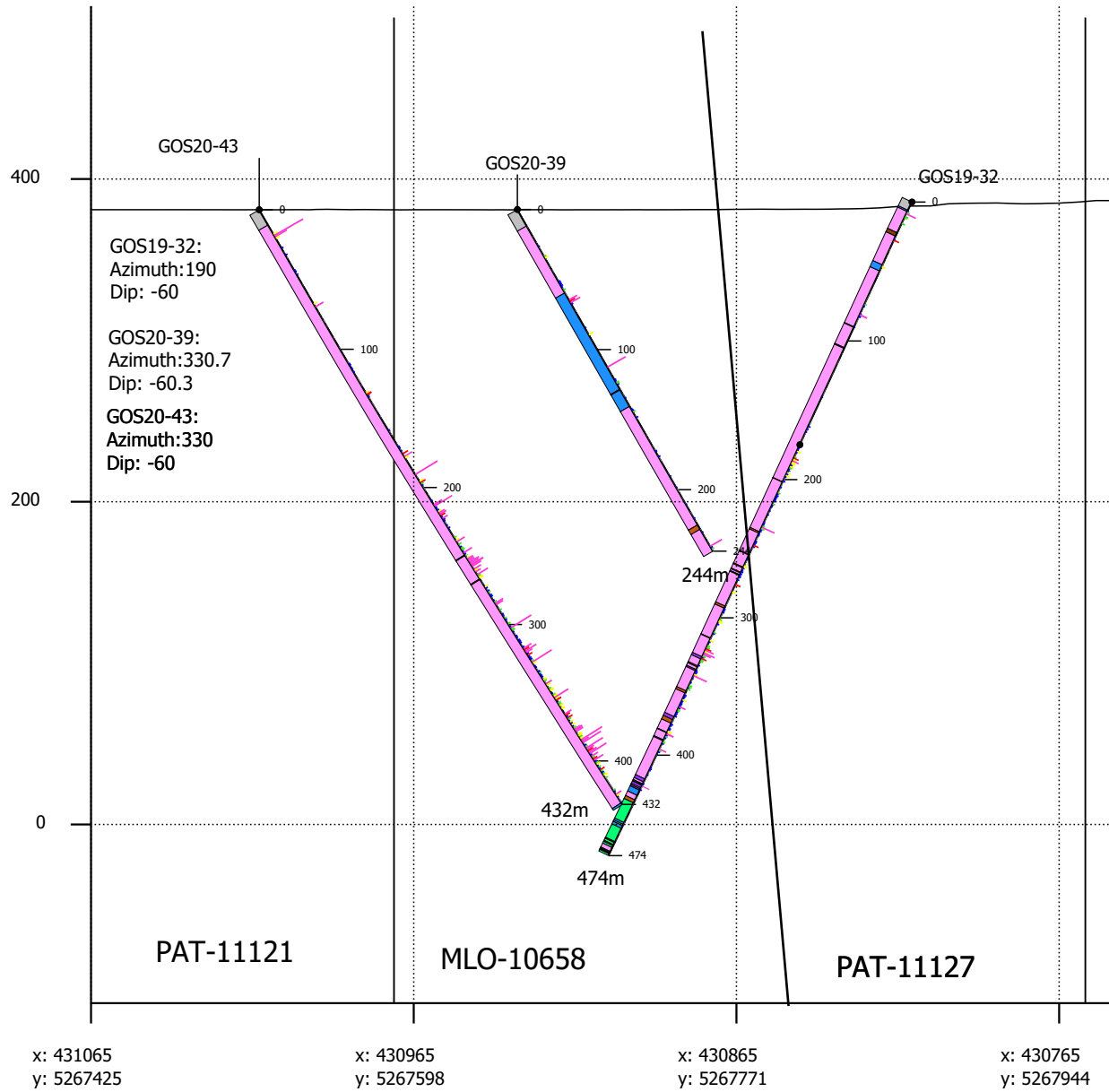


**Au Assay Histograms (ppm)**



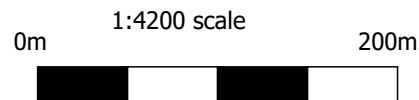


**A Section GOS19-32, GOS20-39, GOS20-43**



**Location** (Looking South-westerly)

A: 431065, 5267425  
B: 430552, 5268314

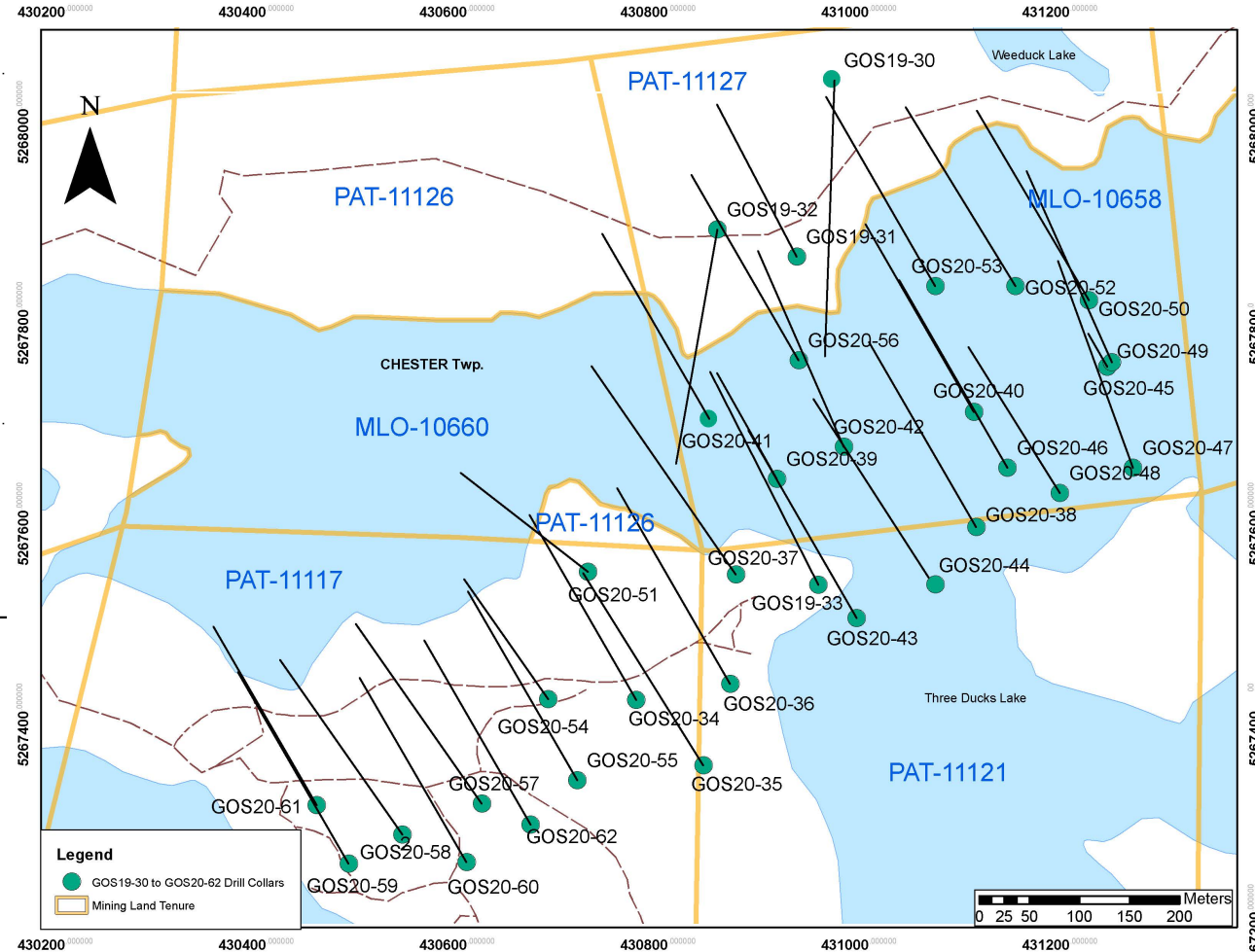


**B Legend**

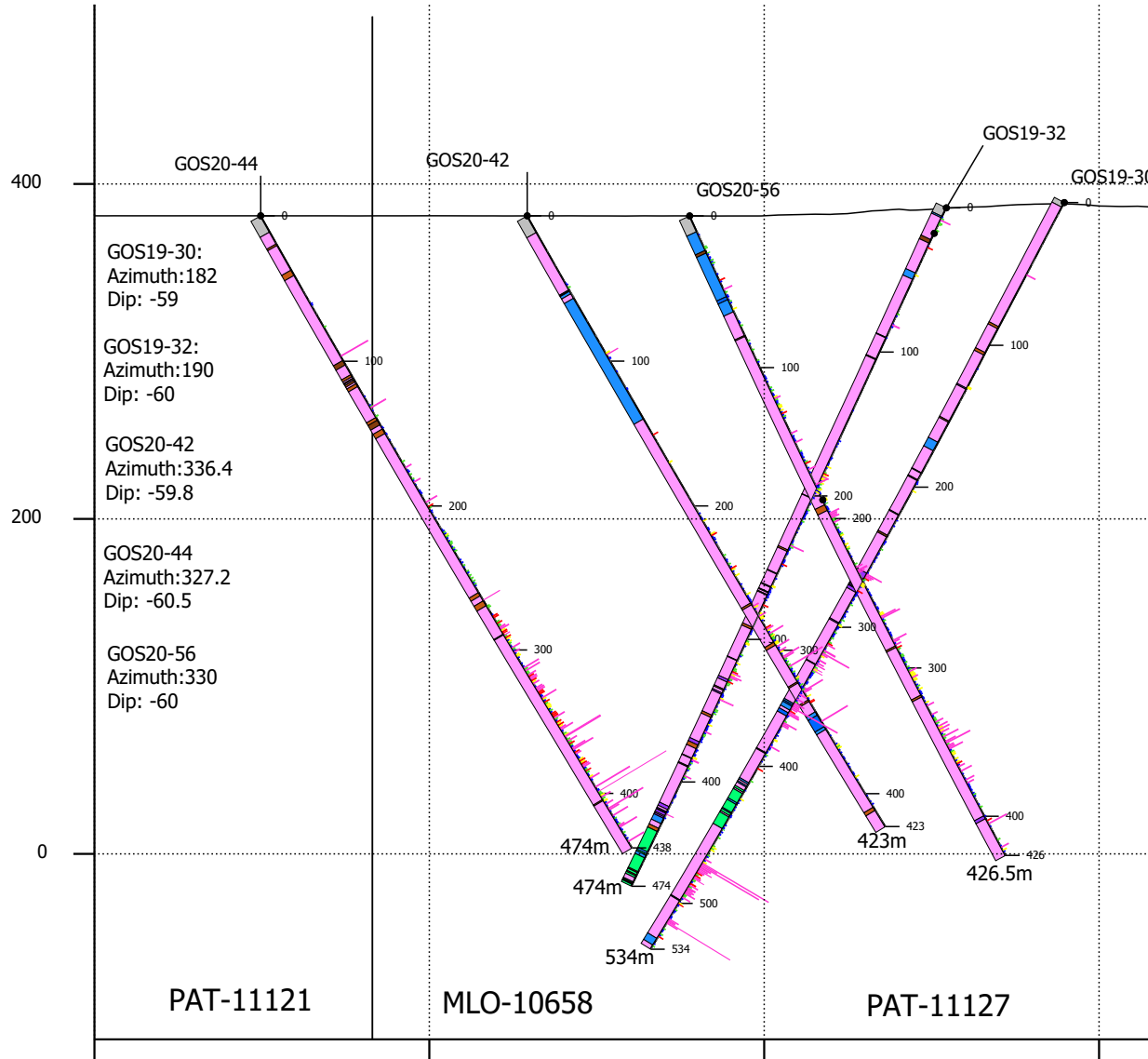
**Lithology**



**Au Assay Histogram (ppm)**

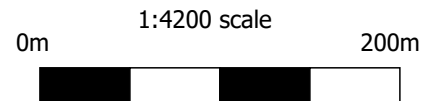


**A Section GOS19-30, GOS19-32, GOS20-42, GOS20-44, GOS20-56**



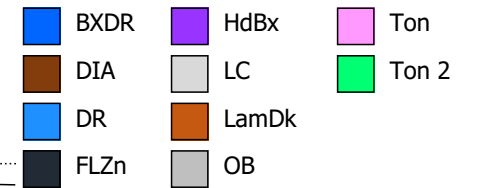
**Location (Looking South-Westerly)**

A: 431109, 5267450  
 B: 430596, 5268339

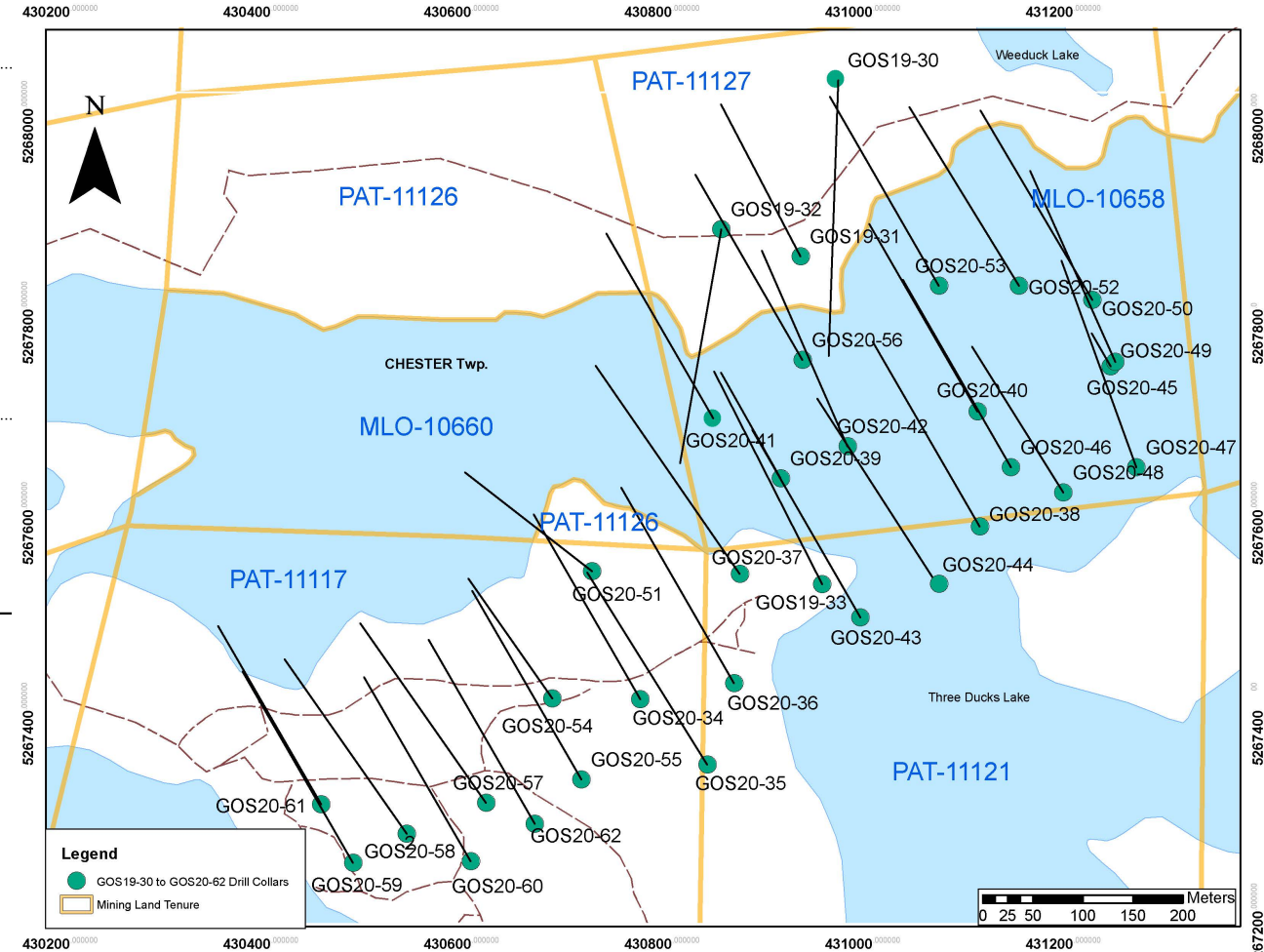


**B Legend**

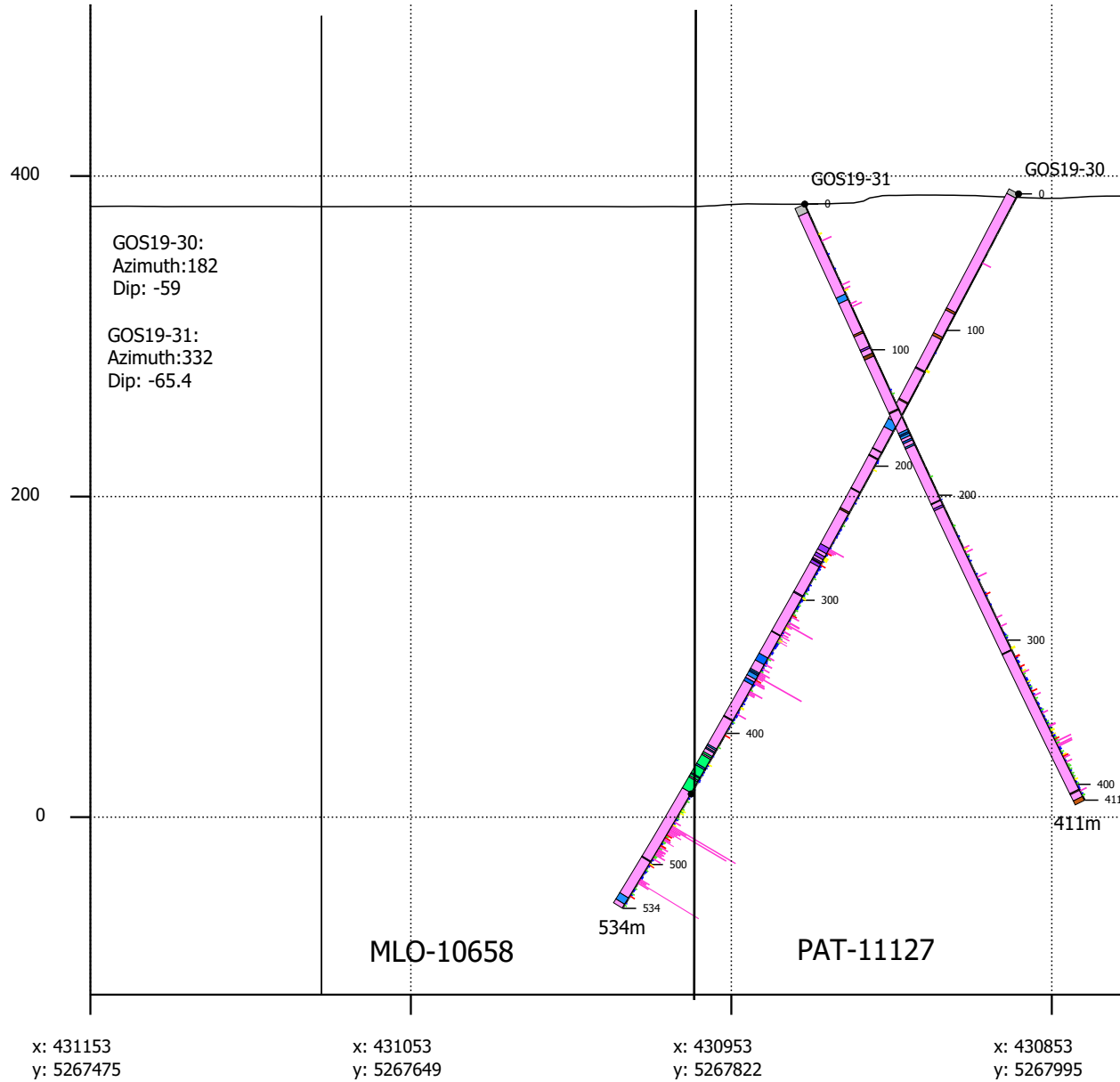
**Lithology**



**Au Assay Histogram (ppm)**

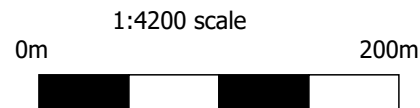


**A Section GOS19-30, GOS19-31**

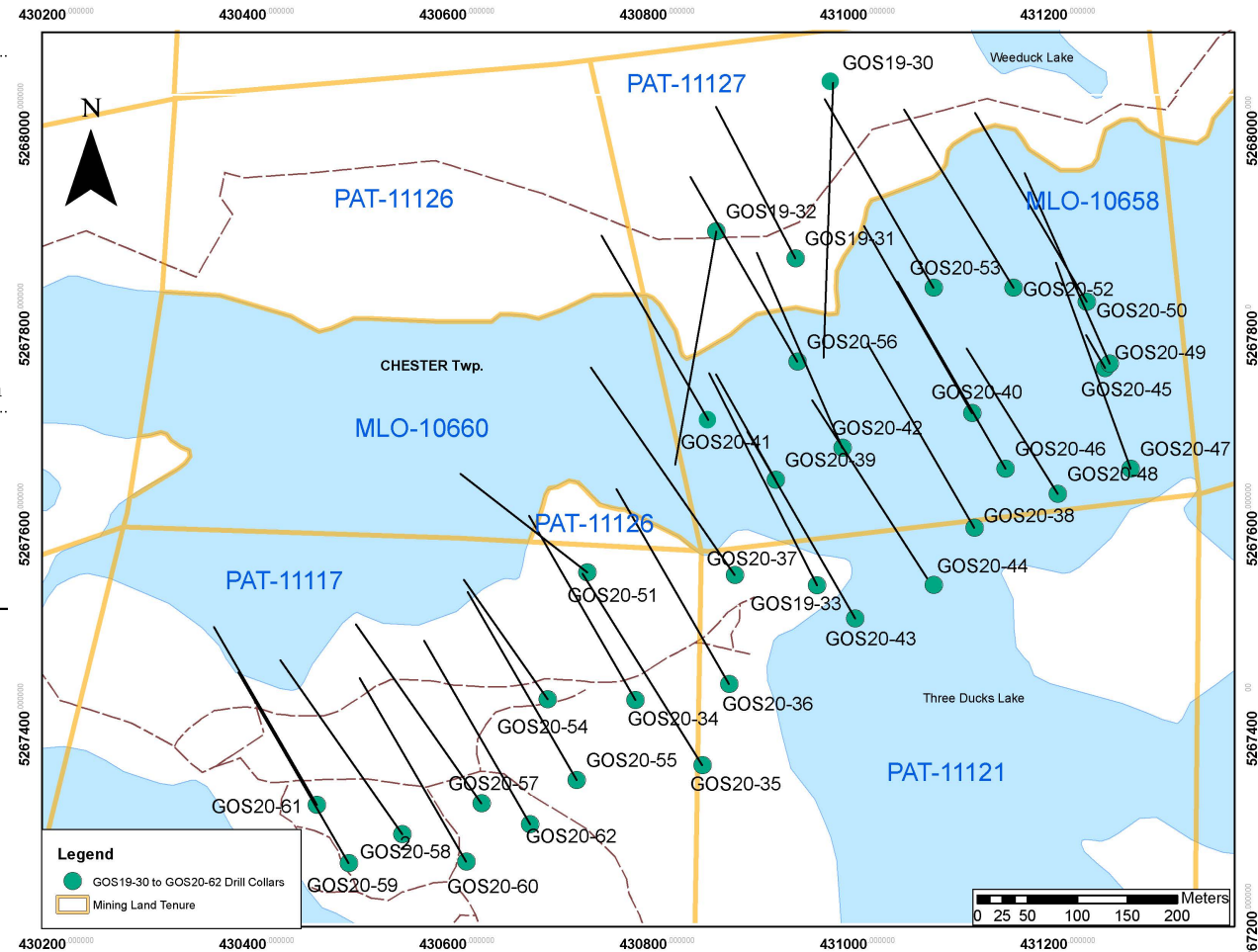
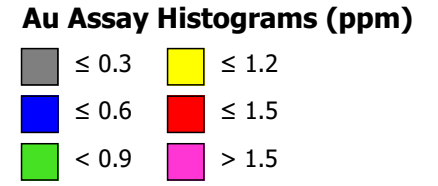
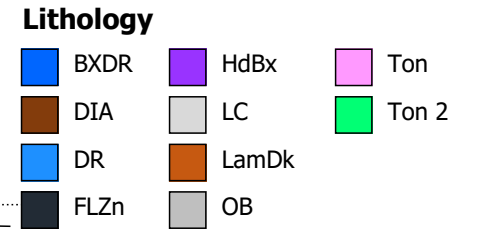


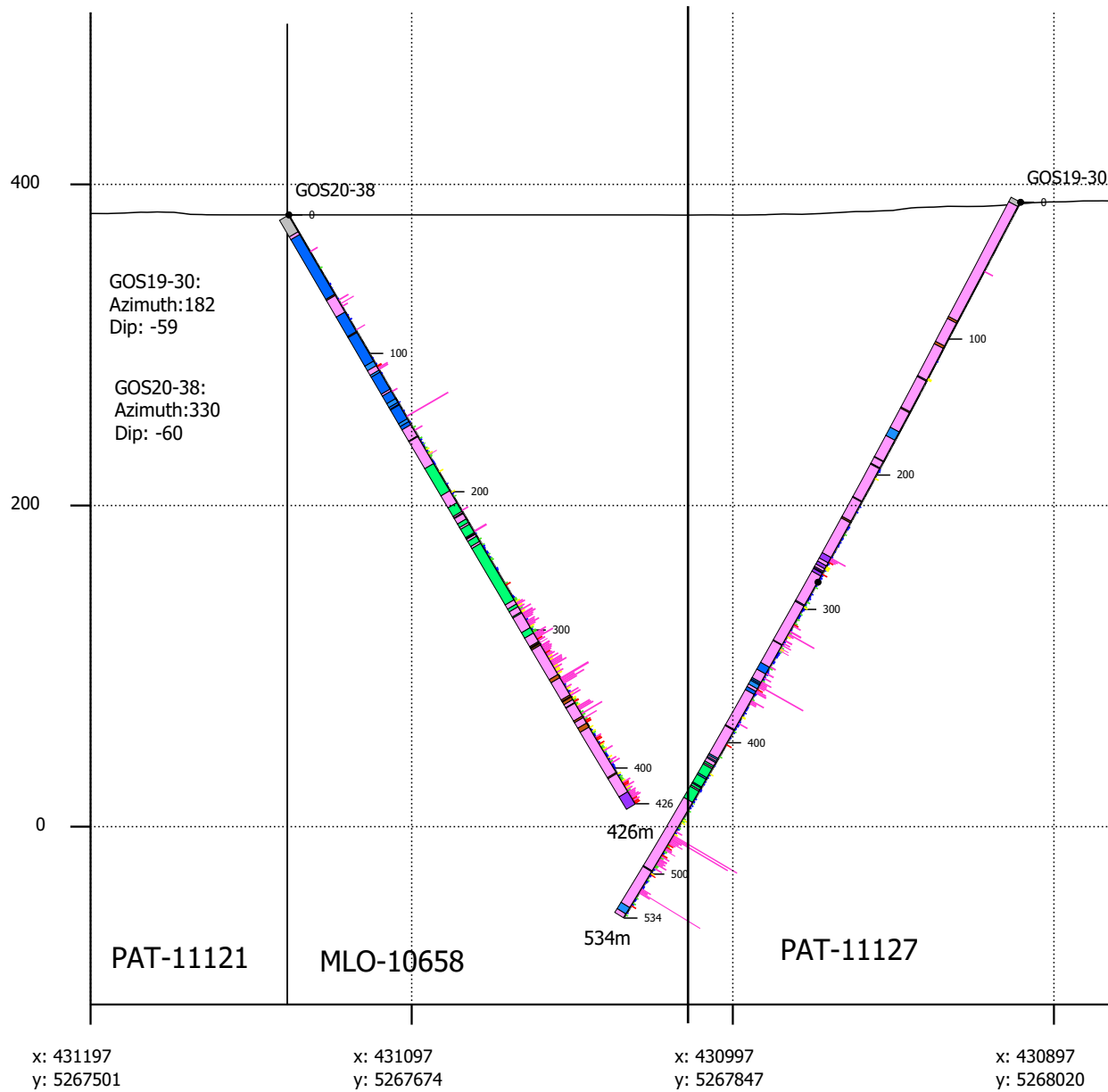
**Location** (Looking South-westerly)

A: 431153, 5267475  
B: 430640, 5268364

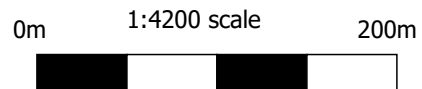
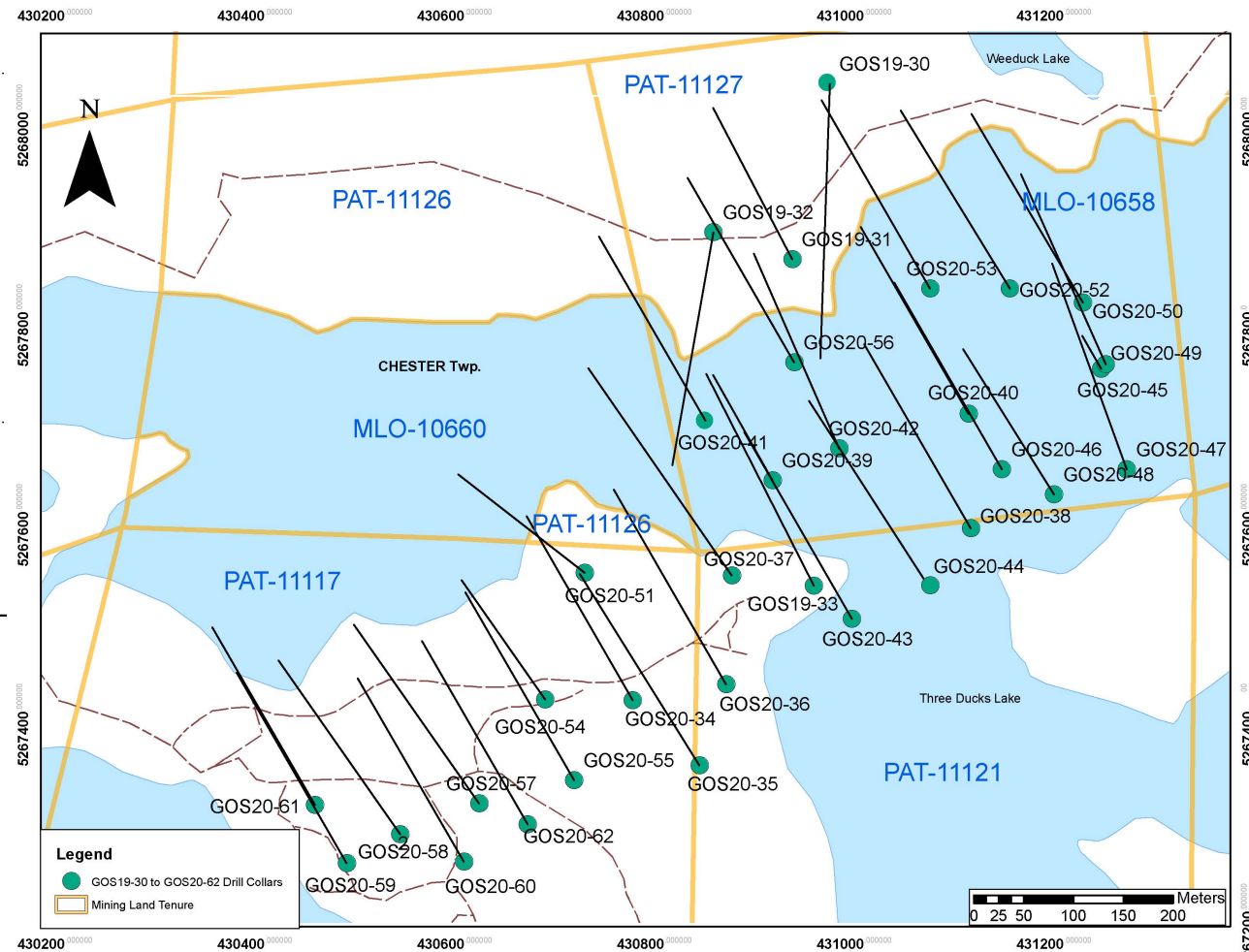


**B Legend**

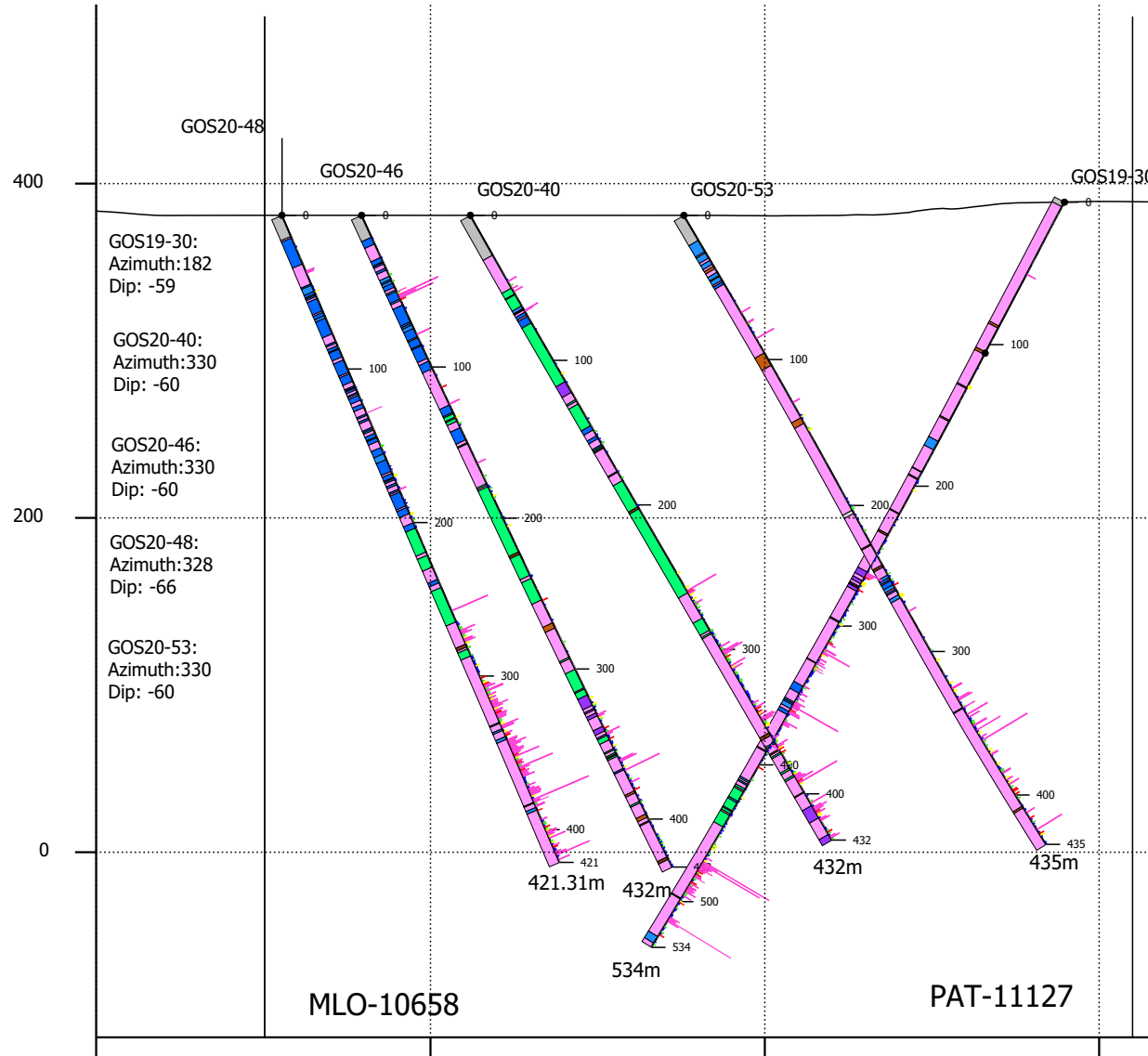


**A****Section GOS19-30 & GOS20-38****Location** (Looking South-westerly)

A: 431197, 5267501  
 B: 430684, 5268389

**B****Legend****Lithology****Au Assay Histograms (ppm)**

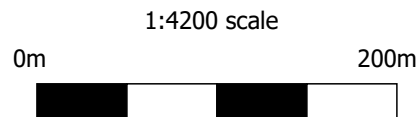
**A** Section GOS19-30, GOS20-40, GOS20-46, GOS20-48, GOS20-53



x: 431240 y: 5267526      x: 431140 y: 5267699      x: 431040 y: 5267872      x: 430940 y: 5268046

**Location** (Looking South-westerly)

A: 431240, 5267526  
 B: 430727, 5268415

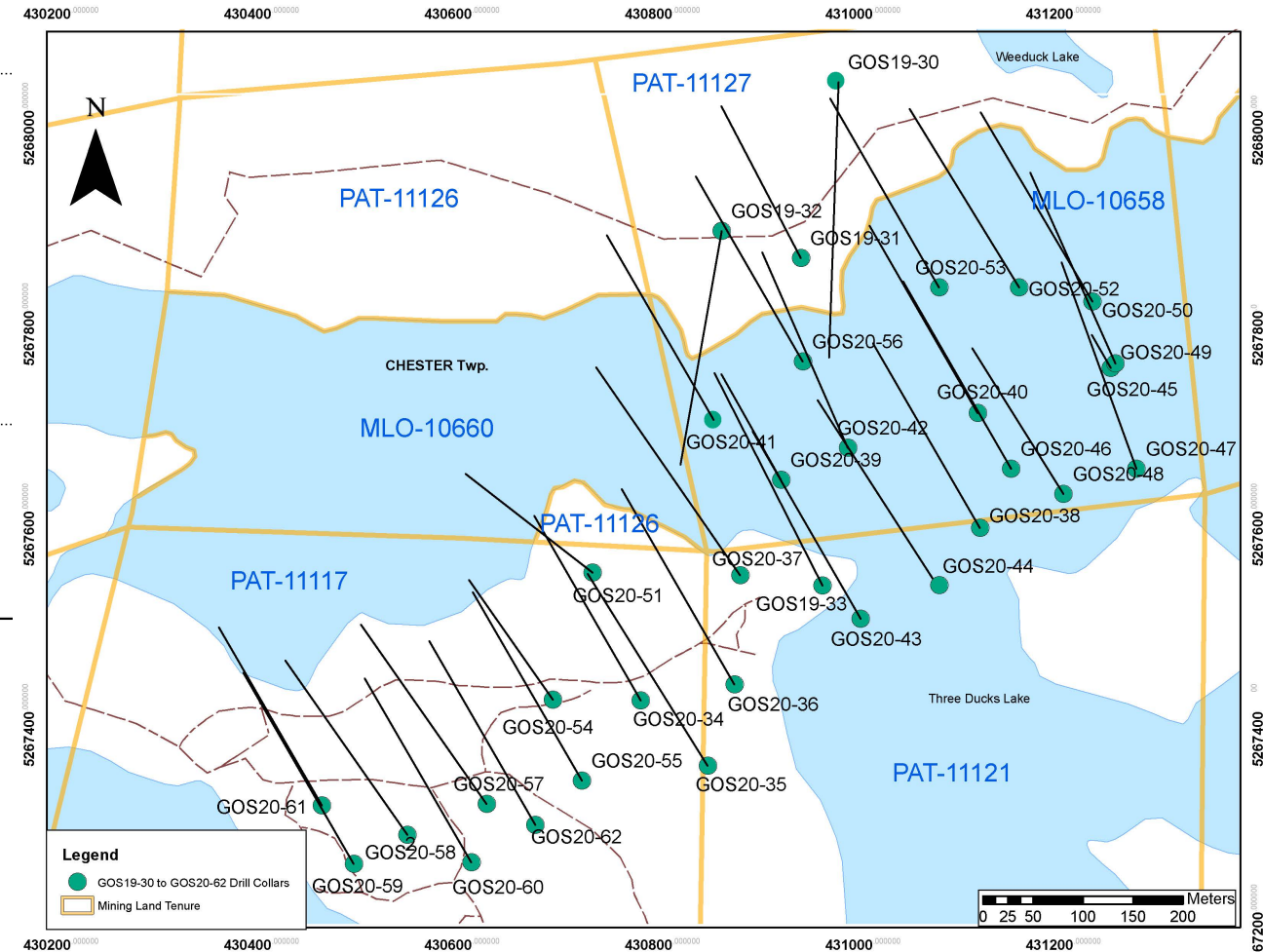


**B** Legend

**Lithology**

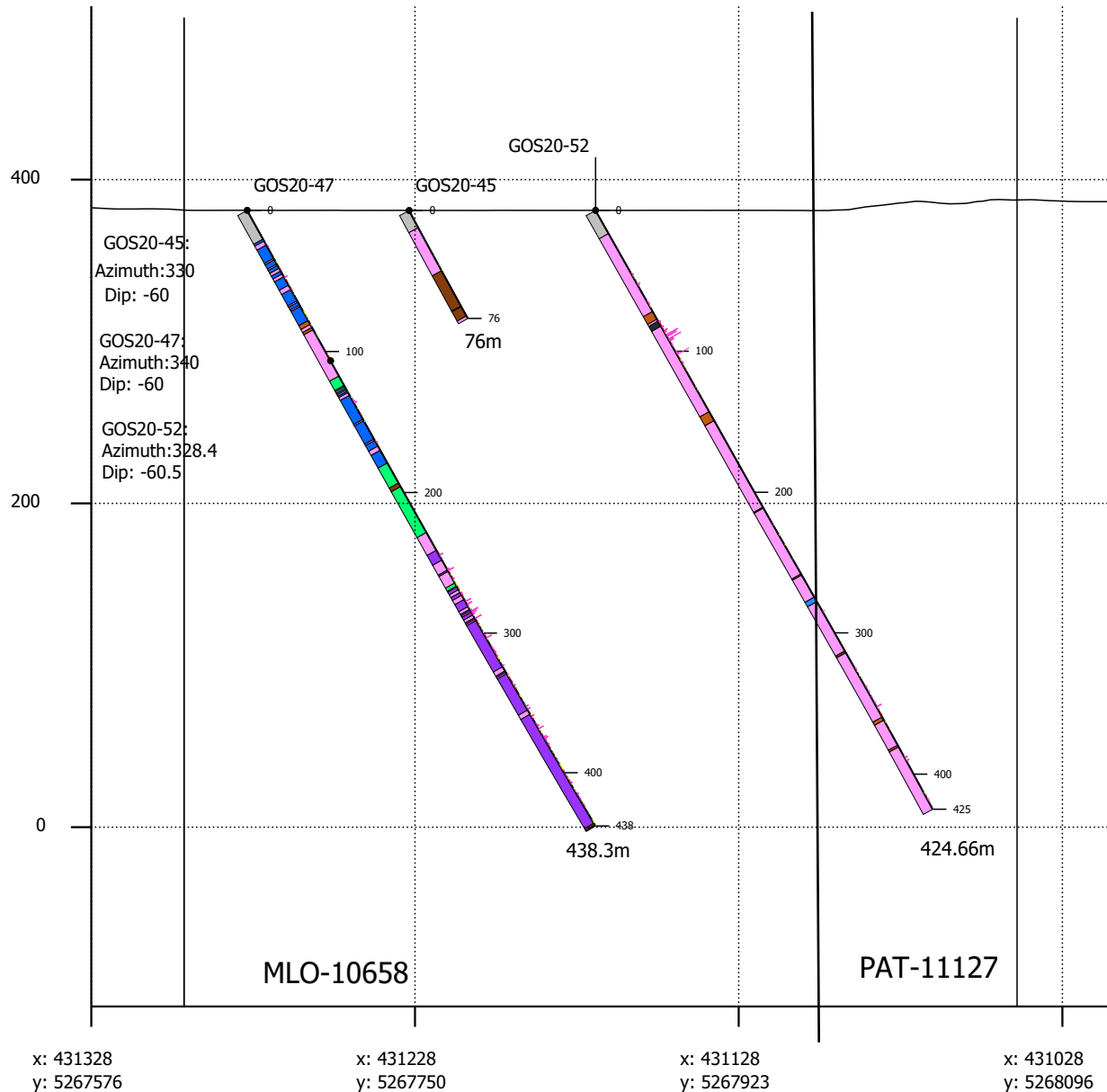


**Au Assay Histograms**



**A**

**Section GOS20-45, GOS20-47, GOS20-52**



**Location (Looking South-westerly)**

A: 431328, 5267576  
 B: 430815, 5268465

Scale: 1:4,200



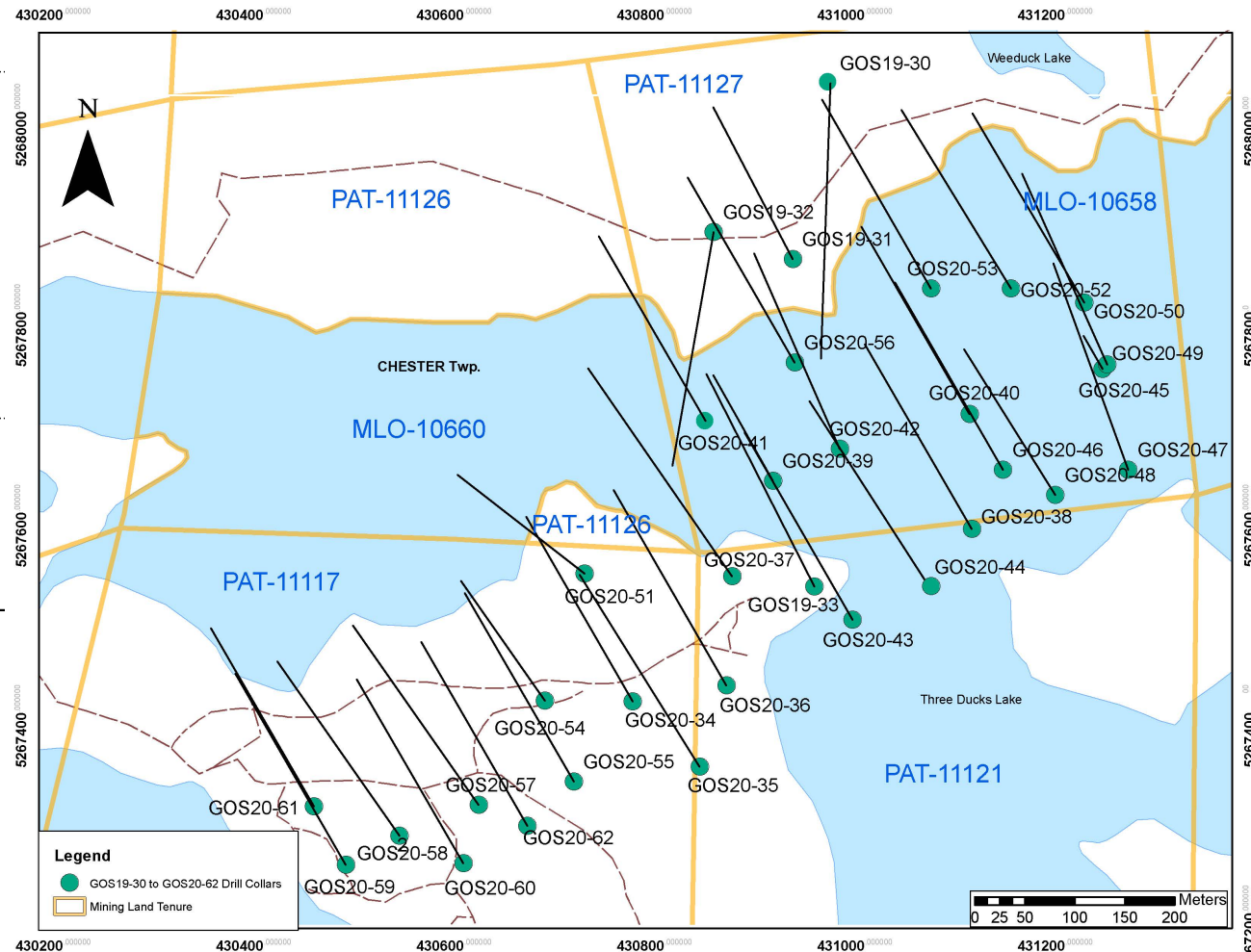
**B**

**Legend**

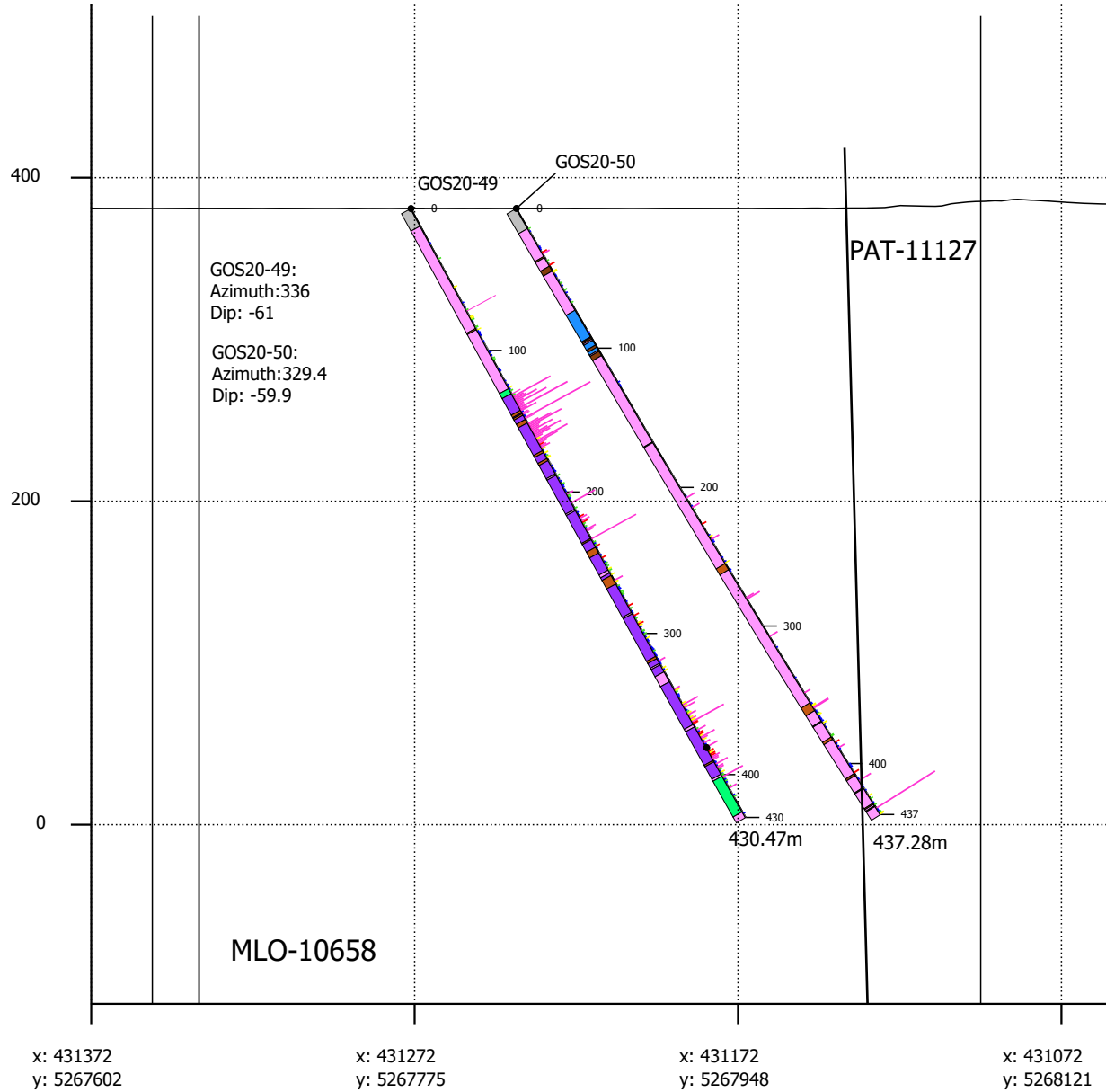
**Lithology**



**Au Assay Histograms**



**A Section GOS20-49, GOS20-50**



**Location** (Looking South-Westerly)

A: 431372, 5267602  
B: 430859, 5268490

Scale: 1:4,200

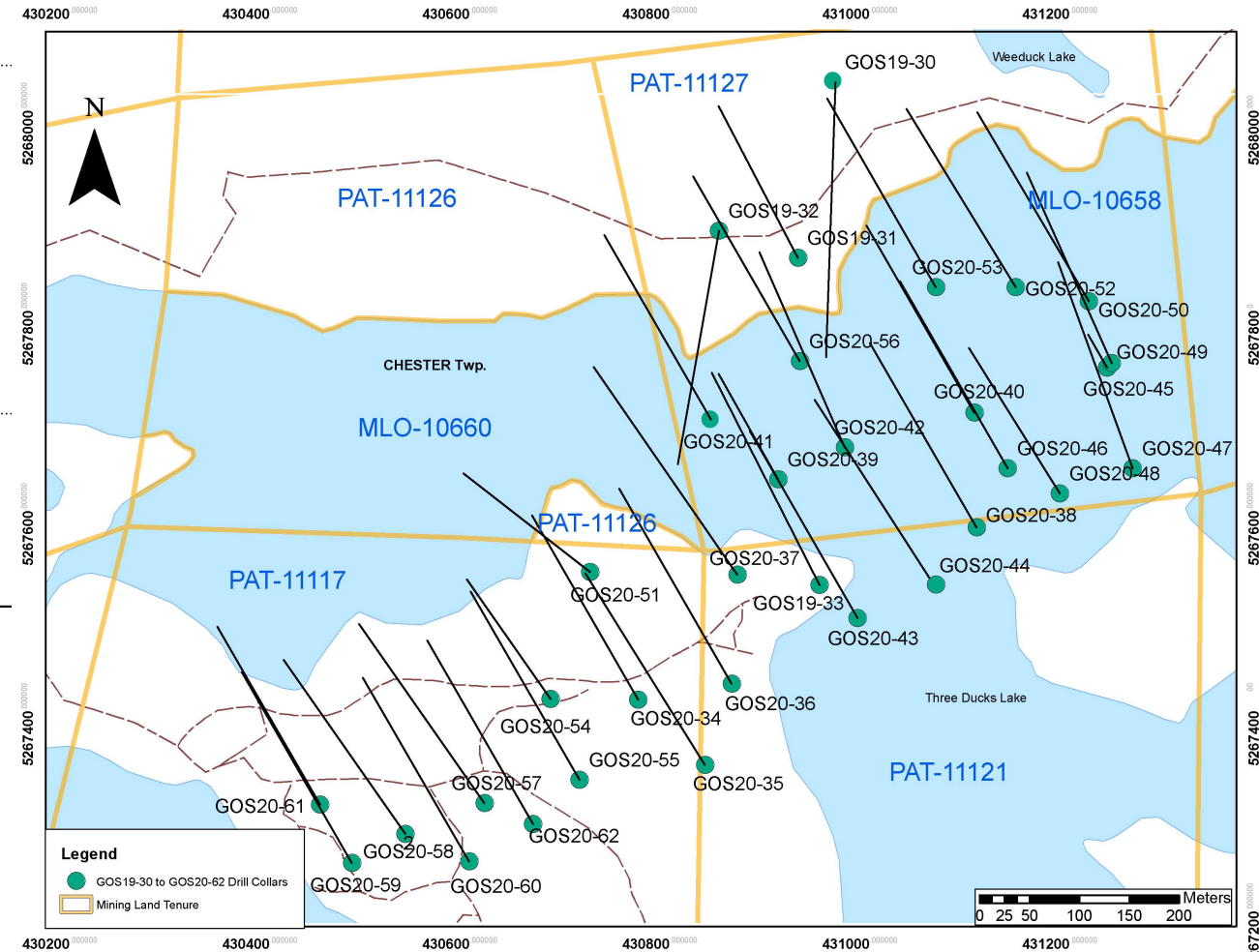


**B Legend**

**Lithology**



**Au Assay Histograms (ppm)**



Appendix E:  
QA/QC Charts



Hole_ID	QC_Sample	QC_Type	AU_FINAL	UCL	Difference
GOS19-30	1082024	Blank	0.005	0.015	0.010
GOS19-30	1082048	Blank	0.005	0.015	0.010
GOS19-30	1082072	Blank	0.005	0.015	0.010
GOS19-30	1082096	Blank	0.006	0.015	0.009
GOS19-30	1082124	Blank	0.005	0.015	0.010
GOS19-30	1082148	Blank	0.005	0.015	0.010
GOS19-30	811572	Blank	0.005	0.015	0.010
GOS19-30	811596	Blank	0.005	0.015	0.010
GOS19-30	811624	Blank	0.005	0.015	0.010
GOS19-30	811648	Blank	0.005	0.015	0.010
GOS19-30	811672	Blank	0.005	0.015	0.010
GOS19-30	811696	Blank	0.005	0.015	0.010
GOS19-30	811724	Blank	0.005	0.015	0.010
GOS19-30	811748	Blank	0.005	0.015	0.010
GOS19-30	811772	Blank	0.005	0.015	0.010
GOS19-30	811796	Blank	0.005	0.015	0.010
GOS19-30	811824	Blank	0.005	0.015	0.010
GOS19-30	811848	Blank	0.005	0.015	0.010
GOS19-30	811872	Blank	0.010	0.015	0.005
GOS19-30	811896	Blank	0.005	0.015	0.010
GOS19-30	811924	Blank	0.005	0.015	0.010
GOS19-30	811948	Blank	0.005	0.015	0.010
GOS19-30	811972	Blank	0.005	0.015	0.010
GOS19-30	811996	Blank	0.005	0.015	0.010
GOS19-31	810524	Blank	0.005	0.015	0.010
GOS19-31	810548	Blank	0.005	0.015	0.010
GOS19-31	810562	Blank	0.010	0.015	0.005
GOS19-31	810572	Blank	0.005	0.015	0.010
GOS19-31	810596	Blank	0.005	0.015	0.010
GOS19-31	810624	Blank	0.005	0.015	0.010
GOS19-31	810648	Blank	0.005	0.015	0.010
GOS19-31	810672	Blank	0.005	0.015	0.010
GOS19-31	810696	Blank	0.005	0.015	0.010
GOS19-31	810724	Blank	0.007	0.015	0.008
GOS19-31	810748	Blank	0.005	0.015	0.010
GOS19-31	810772	Blank	0.005	0.015	0.010
GOS19-31	810796	Blank	0.005	0.015	0.010
GOS19-31	810824	Blank	0.005	0.015	0.010
GOS19-31	810848	Blank	0.005	0.015	0.010
GOS19-31	810855	Blank	0.005	0.015	0.010
GOS19-31	810859	Blank	0.005	0.015	0.010
GOS19-31	810872	Blank	0.005	0.015	0.010
GOS19-31	810896	Blank	0.005	0.015	0.010
GOS19-31	810924	Blank	0.006	0.015	0.009
GOS19-31	810948	Blank	0.005	0.015	0.010
GOS19-31	810963	Blank	0.009	0.015	0.006
GOS19-32	1082172	Blank	0.005	0.015	0.010
GOS19-32	1082196	Blank	0.006	0.015	0.009
GOS19-32	1082224	Blank	0.005	0.015	0.010
GOS19-32	1082248	Blank	0.005	0.015	0.010
GOS19-32	1082272	Blank	0.005	0.015	0.010
GOS19-32	1082296	Blank	0.005	0.015	0.010
GOS19-32	1082324	Blank	0.005	0.015	0.010
GOS19-32	1082348	Blank	0.005	0.015	0.010
GOS19-32	1082372	Blank	0.005	0.015	0.010

GOS19-32	1082396	Blank	0.005	0.015	0.010
GOS19-32	1082424	Blank	0.005	0.015	0.010
GOS19-32	1082448	Blank	0.005	0.015	0.010
GOS19-32	1082472	Blank	0.005	0.015	0.010
GOS19-32	1082496	Blank	0.005	0.015	0.010
GOS19-32	1082524	Blank	0.005	0.015	0.010
GOS19-32	1082548	Blank	0.005	0.015	0.010
GOS19-32	1082572	Blank	0.005	0.015	0.010
GOS19-32	1082596	Blank	0.005	0.015	0.010
GOS19-32	1082624	Blank	0.005	0.015	0.010
GOS19-32	1082638	Blank	0.005	0.015	0.010
GOS19-32	1082648	Blank	0.005	0.015	0.010
GOS19-32	1082672	Blank	0.005	0.015	0.010
GOS19-32	1082696	Blank	0.005	0.015	0.010
GOS19-33	1083524	Blank	0.005	0.015	0.010
GOS19-33	1083548	Blank	0.005	0.015	0.010
GOS19-33	1083572	Blank	0.005	0.015	0.010
GOS19-33	1083584	Blank	0.005	0.015	0.010
GOS19-33	1083596	Blank	0.005	0.015	0.010
GOS19-33	1083624	Blank	0.005	0.015	0.010
GOS19-33	1083648	Blank	0.005	0.015	0.010
GOS19-33	1083672	Blank	0.005	0.015	0.010
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GOS19-33	1083772	Blank	0.005	0.015	0.010
GOS19-33	1083796	Blank	0.005	0.015	0.010
GOS19-33	1083824	Blank	0.005	0.015	0.010
GOS19-33	1083848	Blank	0.005	0.015	0.010
GOS19-33	1083872	Blank	0.005	0.015	0.010
GOS19-33	1083896	Blank	0.005	0.015	0.010
GOS19-33	1083924	Blank	0.005	0.015	0.010
GOS19-33	1083948	Blank	0.006	0.015	0.009
GOS19-33	1083972	Blank	0.005	0.015	0.010
GOS19-33	1083996	Blank	0.005	0.015	0.010
GOS19-33	1084024	Blank	0.005	0.015	0.010
GOS19-33	1084048	Blank	0.006	0.015	0.009
GOS20-34	455072	Blank	0.005	0.015	0.010
GOS20-34	455096	Blank	0.005	0.015	0.010
GOS20-34	455114	Blank	0.005	0.015	0.010
GOS20-34	455124	Blank	0.005	0.015	0.010
GOS20-34	455148	Blank	0.006	0.015	0.009
GOS20-34	858272	Blank	0.005	0.015	0.010
GOS20-34	858275	Blank	0.005	0.015	0.010
GOS20-34	858296	Blank	0.005	0.015	0.010
GOS20-34	858324	Blank	0.005	0.015	0.010
GOS20-34	858348	Blank	0.005	0.015	0.010
GOS20-34	858372	Blank	0.005	0.015	0.010
GOS20-34	858396	Blank	0.005	0.015	0.010
GOS20-34	858424	Blank	0.005	0.015	0.010
GOS20-34	858448	Blank	0.005	0.015	0.010
GOS20-34	858472	Blank	0.005	0.015	0.010
GOS20-34	858496	Blank	0.005	0.015	0.010
GOS20-35	1075017	Blank	0.005	0.015	0.010
GOS20-35	1075024	Blank	0.005	0.015	0.010

GOS20-35	1075048	Blank	0.005	0.015	0.010
GOS20-35	1075072	Blank	0.005	0.015	0.010
GOS20-35	1075096	Blank	0.005	0.015	0.010
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GOS20-35	1075124	Blank	0.005	0.015	0.010
GOS20-35	1075148	Blank	0.005	0.015	0.010
GOS20-35	1075172	Blank	0.011	0.015	0.004
GOS20-35	1075196	Blank	0.005	0.015	0.010
GOS20-35	1075224	Blank	0.005	0.015	0.010
GOS20-35	1075248	Blank	0.005	0.015	0.010
GOS20-35	1075272	Blank	0.005	0.015	0.010
GOS20-35	1075296	Blank	0.005	0.015	0.010
GOS20-35	1075324	Blank	0.005	0.015	0.010
GOS20-35	1075348	Blank	0.005	0.015	0.010
GOS20-35	1075372	Blank	0.005	0.015	0.010
GOS20-35	1075396	Blank	0.005	0.015	0.010
GOS20-35	1075424	Blank	0.005	0.015	0.010
GOS20-35	1075448	Blank	0.005	0.015	0.010
GOS20-36	1079024	Blank	0.005	0.015	0.010
GOS20-36	1079048	Blank	0.005	0.015	0.010
GOS20-36	1079072	Blank	0.005	0.015	0.010
GOS20-36	1079096	Blank	0.005	0.015	0.010
GOS20-36	1079124	Blank	0.005	0.015	0.010
GOS20-36	1079148	Blank	0.005	0.015	0.010
GOS20-36	1079172	Blank	0.005	0.015	0.010
GOS20-36	1079196	Blank	0.005	0.015	0.010
GOS20-36	1079224	Blank	0.006	0.015	0.009
GOS20-36	1079248	Blank	0.005	0.015	0.010
GOS20-36	1079272	Blank	0.005	0.015	0.010
GOS20-36	1079296	Blank	0.005	0.015	0.010
GOS20-36	1079324	Blank	0.005	0.015	0.010
GOS20-36	1079348	Blank	0.005	0.015	0.010
GOS20-36	1079372	Blank	0.005	0.015	0.010
GOS20-36	1079396	Blank	0.005	0.015	0.010
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GOS20-36	1079448	Blank	0.007	0.015	0.008
GOS20-36	1079472	Blank	0.005	0.015	0.010
GOS20-36	1079496	Blank	0.005	0.015	0.010
GOS20-37	1080024	Blank	0.005	0.015	0.010
GOS20-37	1080048	Blank	0.005	0.015	0.010
GOS20-37	1080072	Blank	0.005	0.015	0.010
GOS20-37	1080091	Blank	0.005	0.015	0.010
GOS20-37	1080096	Blank	0.005	0.015	0.010
GOS20-37	1080124	Blank	0.005	0.015	0.010
GOS20-37	455172	Blank	0.005	0.015	0.010
GOS20-37	455196	Blank	0.005	0.015	0.010
GOS20-37	455224	Blank	0.006	0.015	0.009
GOS20-37	455248	Blank	0.005	0.015	0.010
GOS20-37	455272	Blank	0.009	0.015	0.006
GOS20-37	455296	Blank	0.005	0.015	0.010
GOS20-37	455324	Blank	0.005	0.015	0.010
GOS20-37	455348	Blank	0.007	0.015	0.008
GOS20-37	455372	Blank	0.006	0.015	0.009
GOS20-37	455396	Blank	0.005	0.015	0.010
GOS20-37	455424	Blank	0.005	0.015	0.010
GOS20-37	455436	Blank	0.007	0.015	0.008

GOS20-37	455448	Blank	0.005	0.015	0.010
GOS20-37	455472	Blank	0.006	0.015	0.009
GOS20-37	455483	Blank	0.013	0.015	0.002
GOS20-37	455496	Blank	0.005	0.015	0.010
GOS20-37	842272	Blank	0.012	0.015	0.003
GOS20-37	842292	Blank	0.005	0.015	0.010
GOS20-37	842296	Blank	0.005	0.015	0.010
GOS20-37	842324	Blank	0.005	0.015	0.010
GOS20-37	842348	Blank	0.005	0.015	0.010
GOS20-38	1077024	Blank	0.005	0.015	0.010
GOS20-38	1077048	Blank	0.005	0.015	0.010
GOS20-38	1077072	Blank	0.005	0.015	0.010
GOS20-38	1077096	Blank	0.005	0.015	0.010
GOS20-38	1077124	Blank	0.005	0.015	0.010
GOS20-38	1077148	Blank	0.005	0.015	0.010
GOS20-38	1077172	Blank	0.005	0.015	0.010
GOS20-38	1077179	Blank	0.005	0.015	0.010
GOS20-38	1077196	Blank	0.005	0.015	0.010
GOS20-38	1077224	Blank	0.005	0.015	0.010
GOS20-38	1077248	Blank	0.005	0.015	0.010
GOS20-38	1077272	Blank	0.005	0.015	0.010
GOS20-38	1077296	Blank	0.005	0.015	0.010
GOS20-38	1077324	Blank	0.007	0.015	0.008
GOS20-38	1077348	Blank	0.006	0.015	0.009
GOS20-38	1077372	Blank	0.007	0.015	0.008
GOS20-38	1077396	Blank	0.014	0.015	0.001
GOS20-38	1077424	Blank	0.008	0.015	0.007
GOS20-38	1077448	Blank	0.018	0.015	-0.003
GOS20-38	1077472	Blank	0.010	0.015	0.005
GOS20-39	1075524	Blank	0.005	0.015	0.010
GOS20-39	1075548	Blank	0.005	0.015	0.010
GOS20-39	1075572	Blank	0.005	0.015	0.010
GOS20-39	1075596	Blank	0.005	0.015	0.010
GOS20-39	1075624	Blank	0.005	0.015	0.010
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GOS20-39	1075672	Blank	0.005	0.015	0.010
GOS20-39	1075696	Blank	0.005	0.015	0.010
GOS20-39	1075724	Blank	0.005	0.015	0.010
GOS20-39	1075748	Blank	0.005	0.015	0.010
GOS20-40	1079524	Blank	0.005	0.015	0.010
GOS20-40	1079548	Blank	0.005	0.015	0.010
GOS20-40	1079572	Blank	0.005	0.015	0.010
GOS20-40	1079596	Blank	0.005	0.015	0.010
GOS20-40	1079624	Blank	0.005	0.015	0.010
GOS20-40	1079648	Blank	0.005	0.015	0.010
GOS20-40	1079672	Blank	0.005	0.015	0.010
GOS20-40	1079696	Blank	0.005	0.015	0.010
GOS20-40	1079724	Blank	0.005	0.015	0.010
GOS20-40	1079748	Blank	0.005	0.015	0.010
GOS20-40	1079772	Blank	0.005	0.015	0.010
GOS20-40	1079796	Blank	0.005	0.015	0.010
GOS20-40	1079824	Blank	0.005	0.015	0.010
GOS20-40	1079848	Blank	0.005	0.015	0.010
GOS20-40	1079872	Blank	0.010	0.015	0.005
GOS20-40	1079896	Blank	0.005	0.015	0.010
GOS20-40	1079924	Blank	0.005	0.015	0.010

GOS20-40	1079948	Blank	0.005	0.015	0.010
GOS20-40	1079972	Blank	0.005	0.015	0.010
GOS20-41	1078024	Blank	0.005	0.015	0.010
GOS20-41	1078048	Blank	0.005	0.015	0.010
GOS20-41	1078072	Blank	0.005	0.015	0.010
GOS20-41	1078096	Blank	0.005	0.015	0.010
GOS20-41	1078112	Blank	0.005	0.015	0.010
GOS20-41	1078118	Blank	0.005	0.015	0.010
GOS20-41	1078124	Blank	0.005	0.015	0.010
GOS20-41	1078148	Blank	0.005	0.015	0.010
GOS20-41	1078172	Blank	0.005	0.015	0.010
GOS20-41	1078196	Blank	0.005	0.015	0.010
GOS20-41	1078224	Blank	0.006	0.015	0.009
GOS20-41	1078246	Blank	0.005	0.015	0.010
GOS20-41	1078248	Blank	0.005	0.015	0.010
GOS20-41	1078272	Blank	0.005	0.015	0.010
GOS20-41	1078296	Blank	0.005	0.015	0.010
GOS20-41	1078303	Blank	0.007	0.015	0.008
GOS20-41	1078312	Blank	0.009	0.015	0.006
GOS20-41	1078320	Blank	0.008	0.015	0.007
GOS20-41	1078324	Blank	0.006	0.015	0.009
GOS20-41	1078348	Blank	0.005	0.015	0.010
GOS20-41	1078368	Blank	0.005	0.015	0.010
GOS20-41	1078372	Blank	0.005	0.015	0.010
GOS20-41	1078396	Blank	0.005	0.015	0.010
GOS20-41	1078424	Blank	0.005	0.015	0.010
GOS20-41	1078448	Blank	0.005	0.015	0.010
GOS20-41	1078472	Blank	0.005	0.015	0.010
GOS20-41	1078496	Blank	0.005	0.015	0.010
GOS20-42	1083024	Blank	0.005	0.015	0.010
GOS20-42	1083048	Blank	0.009	0.015	0.006
GOS20-42	1083072	Blank	0.005	0.015	0.010
GOS20-42	1083084	Blank	0.126	0.015	-0.111
GOS20-42	1083096	Blank	0.007	0.015	0.008
GOS20-42	1083124	Blank	0.005	0.015	0.010
GOS20-42	1083148	Blank	0.005	0.015	0.010
GOS20-42	1083172	Blank	0.017	0.015	-0.002
GOS20-42	1083196	Blank	0.591	0.015	-0.576
GOS20-42	1083224	Blank	0.005	0.015	0.010
GOS20-42	1083248	Blank	0.005	0.015	0.010
GOS20-42	1083272	Blank	0.005	0.015	0.010
GOS20-42	1083296	Blank	0.006	0.015	0.009
GOS20-42	1083324	Blank	0.006	0.015	0.009
GOS20-42	1083348	Blank	0.006	0.015	0.009
GOS20-42	1083372	Blank	0.007	0.015	0.008
GOS20-42	1083396	Blank	0.005	0.015	0.010
GOS20-42	1083424	Blank	0.005	0.015	0.010
GOS20-43	1075772	Blank	0.005	0.015	0.010
GOS20-43	1075796	Blank	0.005	0.015	0.010
GOS20-43	1075824	Blank	0.005	0.015	0.010
GOS20-43	1075834	Blank	0.005	0.015	0.010
GOS20-43	1075848	Blank	0.005	0.015	0.010
GOS20-43	1075872	Blank	0.005	0.015	0.010
GOS20-43	1075896	Blank	0.005	0.015	0.010
GOS20-43	1075924	Blank	0.005	0.015	0.010
GOS20-43	1075948	Blank	0.005	0.015	0.010

GOS20-43	1075971	Blank	0.005	0.015	0.010
GOS20-43	1075996	Blank	0.005	0.015	0.010
GOS20-43	1076024	Blank	0.005	0.015	0.010
GOS20-43	1076048	Blank	0.005	0.015	0.010
GOS20-43	1076064	Blank	0.005	0.015	0.010
GOS20-43	1076072	Blank	0.005	0.015	0.010
GOS20-43	1076096	Blank	0.005	0.015	0.010
GOS20-43	1076124	Blank	0.005	0.015	0.010
GOS20-43	1076148	Blank	0.005	0.015	0.010
GOS20-43	1076172	Blank	0.005	0.015	0.010
GOS20-43	1076196	Blank	0.005	0.015	0.010
GOS20-43	1076202	Blank	0.005	0.015	0.010
GOS20-43	1076224	Blank	0.005	0.015	0.010
GOS20-43	1076248	Blank	0.005	0.015	0.010
GOS20-44	1084524	Blank	0.005	0.015	0.010
GOS20-44	1084548	Blank	0.005	0.015	0.010
GOS20-44	1084572	Blank	0.005	0.015	0.010
GOS20-44	1084596	Blank	0.005	0.015	0.010
GOS20-44	1084624	Blank	0.005	0.015	0.010
GOS20-44	1084639	Blank	0.005	0.015	0.010
GOS20-44	1084648	Blank	0.005	0.015	0.010
GOS20-44	1084672	Blank	0.005	0.015	0.010
GOS20-44	1084696	Blank	0.005	0.015	0.010
GOS20-44	1084724	Blank	0.005	0.015	0.010
GOS20-44	1084748	Blank	0.005	0.015	0.010
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GOS20-44	1084848	Blank	0.005	0.015	0.010
GOS20-44	1084872	Blank	0.005	0.015	0.010
GOS20-44	1084896	Blank	0.005	0.015	0.010
GOS20-44	1084924	Blank	0.005	0.015	0.010
GOS20-44	1084944	Blank	0.005	0.015	0.010
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GOS20-44	1084972	Blank	0.005	0.015	0.010
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GOS20-46	255528	Blank	0.005	0.015	0.010
GOS20-46	255548	Blank	0.005	0.015	0.010
GOS20-46	255552	Blank	0.005	0.015	0.010
GOS20-46	255572	Blank	0.005	0.015	0.010
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GOS20-46	255624	Blank	0.005	0.015	0.010
GOS20-46	255648	Blank	0.005	0.015	0.010
GOS20-46	255672	Blank	0.005	0.015	0.010
GOS20-46	255688	Blank	0.005	0.015	0.010
GOS20-46	255696	Blank	0.005	0.015	0.010
GOS20-46	255724	Blank	0.005	0.015	0.010
GOS20-46	255748	Blank	0.005	0.015	0.010
GOS20-46	255772	Blank	0.005	0.015	0.010
GOS20-46	255796	Blank	0.005	0.015	0.010
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GOS20-46	255848	Blank	0.005	0.015	0.010
GOS20-46	255872	Blank	0.005	0.015	0.010
GOS20-46	255896	Blank	0.005	0.015	0.010

GOS20-46	255924	Blank	0.005	0.015	0.010
GOS20-46	255948	Blank	0.005	0.015	0.010
GOS20-46	255972	Blank	0.006	0.015	0.009
GOS20-47	255024	Blank	0.005	0.015	0.010
GOS20-47	255034	Blank	0.005	0.015	0.010
GOS20-47	255048	Blank	0.005	0.015	0.010
GOS20-47	255072	Blank	0.005	0.015	0.010
GOS20-47	255096	Blank	0.005	0.015	0.010
GOS20-47	255124	Blank	0.005	0.015	0.010
GOS20-47	255148	Blank	0.005	0.015	0.010
GOS20-47	255172	Blank	0.005	0.015	0.010
GOS20-47	255196	Blank	0.005	0.015	0.010
GOS20-47	255224	Blank	0.005	0.015	0.010
GOS20-47	255248	Blank	0.005	0.015	0.010
GOS20-47	255272	Blank	0.005	0.015	0.010
GOS20-47	255296	Blank	0.005	0.015	0.010
GOS20-47	255324	Blank	0.005	0.015	0.010
GOS20-47	255348	Blank	0.005	0.015	0.010
GOS20-47	255372	Blank	0.005	0.015	0.010
GOS20-47	255396	Blank	0.008	0.015	0.007
GOS20-47	255424	Blank	0.005	0.015	0.010
GOS20-47	255448	Blank	0.005	0.015	0.010
GOS20-47	255472	Blank	0.005	0.015	0.010
GOS20-47	255481	Blank	0.005	0.015	0.010
GOS20-48	256024	Blank	0.005	0.015	0.010
GOS20-48	256048	Blank	0.005	0.015	0.010
GOS20-48	256072	Blank	0.005	0.015	0.010
GOS20-48	256096	Blank	0.008	0.015	0.007
GOS20-48	256124	Blank	0.005	0.015	0.010
GOS20-48	256148	Blank	0.005	0.015	0.010
GOS20-48	256172	Blank	0.005	0.015	0.010
GOS20-48	256196	Blank	0.005	0.015	0.010
GOS20-48	256217	Blank	0.005	0.015	0.010
GOS20-48	256224	Blank	0.005	0.015	0.010
GOS20-48	256248	Blank	0.005	0.015	0.010
GOS20-48	256272	Blank	0.005	0.015	0.010
GOS20-48	256296	Blank	0.005	0.015	0.010
GOS20-48	256324	Blank	0.005	0.015	0.010
GOS20-48	256348	Blank	0.005	0.015	0.010
GOS20-48	256372	Blank	0.005	0.015	0.010
GOS20-48	256396	Blank	0.005	0.015	0.010
GOS20-48	256401	Blank	0.005	0.015	0.010
GOS20-48	256424	Blank	0.005	0.015	0.010
GOS20-48	256448	Blank	0.011	0.015	0.004
GOS20-49	254848	Blank	0.008	0.015	0.007
GOS20-49	254524	Blank	0.005	0.015	0.010
GOS20-49	254548	Blank	0.005	0.015	0.010
GOS20-49	254572	Blank	0.005	0.015	0.010
GOS20-49	254596	Blank	0.005	0.015	0.010
GOS20-49	254624	Blank	0.005	0.015	0.010
GOS20-49	254648	Blank	0.005	0.015	0.010
GOS20-49	254672	Blank	0.005	0.015	0.010
GOS20-49	254696	Blank	0.005	0.015	0.010
GOS20-49	254724	Blank	0.005	0.015	0.010
GOS20-49	254748	Blank	0.007	0.015	0.008
GOS20-49	254772	Blank	0.005	0.015	0.010

GOS20-49	254796	Blank	0.005	0.015	0.010
GOS20-49	254824	Blank	0.007	0.015	0.008
GOS20-49	254872	Blank	0.005	0.015	0.010
GOS20-49	254896	Blank	0.007	0.015	0.008
GOS20-49	254924	Blank	0.005	0.015	0.010
GOS20-49	254948	Blank	0.005	0.015	0.010
GOS20-49	255496	Blank	0.005	0.015	0.010
GOS20-50	1081524	Blank	0.005	0.015	0.010
GOS20-50	1081548	Blank	0.005	0.015	0.010
GOS20-50	1081572	Blank	0.005	0.015	0.010
GOS20-50	1081596	Blank	0.005	0.015	0.010
GOS20-50	1081624	Blank	0.005	0.015	0.010
GOS20-50	1081648	Blank	0.005	0.015	0.010
GOS20-50	1081672	Blank	0.005	0.015	0.010
GOS20-50	1081696	Blank	0.005	0.015	0.010
GOS20-50	1081724	Blank	0.005	0.015	0.010
GOS20-50	1081748	Blank	0.005	0.015	0.010
GOS20-50	1081772	Blank	0.005	0.015	0.010
GOS20-50	1081796	Blank	0.005	0.015	0.010
GOS20-50	1081824	Blank	0.005	0.015	0.010
GOS20-50	1081839	Blank	0.005	0.015	0.010
GOS20-50	1081848	Blank	0.005	0.015	0.010
GOS20-50	1081872	Blank	0.005	0.015	0.010
GOS20-50	1081896	Blank	0.005	0.015	0.010
GOS20-50	1083462	Blank	0.005	0.015	0.010
GOS20-50	1083472	Blank	0.005	0.015	0.010
GOS20-50	1083496	Blank	0.005	0.015	0.010
GOS20-50	256472	Blank	0.005	0.015	0.010
GOS20-50	256496	Blank	0.005	0.015	0.010
GOS20-51	254972	Blank	0.005	0.015	0.010
GOS20-51	254996	Blank	0.007	0.015	0.008
GOS20-51	256524	Blank	0.005	0.015	0.010
GOS20-51	256548	Blank	0.005	0.015	0.010
GOS20-51	256572	Blank	0.005	0.015	0.010
GOS20-51	256596	Blank	0.005	0.015	0.010
GOS20-51	256624	Blank	0.005	0.015	0.010
GOS20-51	256648	Blank	0.005	0.015	0.010
GOS20-51	256672	Blank	0.005	0.015	0.010
GOS20-51	256696	Blank	0.016	0.015	-0.001
GOS20-51	256724	Blank	0.005	0.015	0.010
GOS20-51	256748	Blank	0.005	0.015	0.010
GOS20-51	256772	Blank	0.005	0.015	0.010
GOS20-51	256787	Blank	0.005	0.015	0.010
GOS20-51	256796	Blank	0.005	0.015	0.010
GOS20-51	256824	Blank	0.005	0.015	0.010
GOS20-51	256848	Blank	0.005	0.015	0.010
GOS20-52	260024	Blank	0.005	0.015	0.010
GOS20-52	260048	Blank	0.005	0.015	0.010
GOS20-52	260067	Blank	0.005	0.015	0.010
GOS20-52	260072	Blank	0.009	0.015	0.006
GOS20-52	260074	Blank	0.005	0.015	0.010
GOS20-52	260076	Blank	0.006	0.015	0.009
GOS20-52	260078	Blank	0.012	0.015	0.003
GOS20-52	260080	Blank	0.005	0.015	0.010
GOS20-52	260084	Blank	0.008	0.015	0.007
GOS20-52	260095	Blank	0.005	0.015	0.010



GOS20-52	260096	Blank	0.005	0.015	0.010
GOS20-52	260098	Blank	0.007	0.015	0.008
GOS20-52	260100	Blank	0.005	0.015	0.010
GOS20-52	260124	Blank	0.005	0.015	0.010
GOS20-52	260148	Blank	0.005	0.015	0.010
GOS20-52	260172	Blank	0.005	0.015	0.010
GOS20-52	260196	Blank	0.005	0.015	0.010
GOS20-52	260224	Blank	0.005	0.015	0.010
GOS20-52	260248	Blank	0.005	0.015	0.010
GOS20-52	260263	Blank	0.005	0.015	0.010
GOS20-52	260272	Blank	0.005	0.015	0.010
GOS20-52	260296	Blank	0.005	0.015	0.010
GOS20-52	260324	Blank	0.005	0.015	0.010
GOS20-52	260348	Blank	0.005	0.015	0.010
GOS20-52	260372	Blank	0.005	0.015	0.010
GOS20-52	260383	Blank	0.005	0.015	0.010
GOS20-52	260396	Blank	0.005	0.015	0.010
GOS20-52	260424	Blank	0.005	0.015	0.010
GOS20-52	260448	Blank	0.005	0.015	0.010
GOS20-52	260458	Blank	0.005	0.015	0.010
GOS20-53	256872	Blank	0.005	0.015	0.010
GOS20-53	256896	Blank	0.005	0.015	0.010
GOS20-53	256924	Blank	0.005	0.015	0.010
GOS20-53	256948	Blank	0.005	0.015	0.010
GOS20-53	256972	Blank	0.005	0.015	0.010
GOS20-53	256996	Blank	0.005	0.015	0.010
GOS20-53	258524	Blank	0.005	0.015	0.010
GOS20-53	258548	Blank	0.005	0.015	0.010
GOS20-53	258557	Blank	0.316	0.015	-0.301
GOS20-53	258567	Blank	0.010	0.015	0.005
GOS20-53	258572	Blank	0.005	0.015	0.010
GOS20-53	258582	Blank	0.005	0.015	0.010
GOS20-53	258586	Blank	0.005	0.015	0.010
GOS20-53	258596	Blank	0.005	0.015	0.010
GOS20-53	258604	Blank	0.005	0.015	0.010
GOS20-53	258607	Blank	0.005	0.015	0.010
GOS20-53	258609	Blank	0.005	0.015	0.010
GOS20-53	258615	Blank	0.005	0.015	0.010
GOS20-53	258624	Blank	0.005	0.015	0.010
GOS20-53	258648	Blank	0.005	0.015	0.010
GOS20-53	260472	Blank	0.005	0.015	0.010
GOS20-53	260496	Blank	0.005	0.015	0.010
GOS20-53	1076372	Blank	0.005	0.015	0.010
GOS20-53	1076396	Blank	0.005	0.015	0.010
GOS20-53	1076424	Blank	0.005	0.015	0.010
GOS20-53	1076448	Blank	0.005	0.015	0.010
GOS20-53	1076472	Blank	0.005	0.015	0.010
GOS20-53	1076496	Blank	0.005	0.015	0.010
GOS20-54	259524	Blank	0.005	0.015	0.010
GOS20-54	259548	Blank	0.005	0.015	0.010
GOS20-54	259572	Blank	0.005	0.015	0.010
GOS20-54	259596	Blank	0.005	0.015	0.010
GOS20-54	259624	Blank	0.005	0.015	0.010
GOS20-54	259648	Blank	0.005	0.015	0.010
GOS20-54	259672	Blank	0.005	0.015	0.010
GOS20-54	259696	Blank	0.006	0.015	0.009

GOS20-54	259724	Blank	0.005	0.015	0.010
GOS20-54	259748	Blank	0.005	0.015	0.010
GOS20-54	259769	Blank	0.005	0.015	0.010
GOS20-54	259779	Blank	0.013	0.015	0.002
GOS20-54	259796	Blank	0.005	0.015	0.010
GOS20-55	257004	Blank	0.012	0.015	0.003
GOS20-55	257024	Blank	0.005	0.015	0.010
GOS20-55	257048	Blank	0.005	0.015	0.010
GOS20-55	257072	Blank	0.005	0.015	0.010
GOS20-55	257096	Blank	0.005	0.015	0.010
GOS20-55	257124	Blank	0.005	0.015	0.010
GOS20-55	257148	Blank	0.005	0.015	0.010
GOS20-55	257172	Blank	0.005	0.015	0.010
GOS20-55	257196	Blank	0.005	0.015	0.010
GOS20-55	257219	Blank	0.005	0.015	0.010
GOS20-55	257223	Blank	0.005	0.015	0.010
GOS20-55	257248	Blank	0.005	0.015	0.010
GOS20-55	257272	Blank	0.005	0.015	0.010
GOS20-55	257296	Blank	0.005	0.015	0.010
GOS20-55	257324	Blank	0.005	0.015	0.010
GOS20-55	257348	Blank	0.005	0.015	0.010
GOS20-55	257372	Blank	0.005	0.015	0.010
GOS20-55	257386	Blank	0.005	0.015	0.010
GOS20-55	257388	Blank	0.005	0.015	0.010
GOS20-55	257395	Blank	0.005	0.015	0.010
GOS20-55	257424	Blank	0.005	0.015	0.010
GOS20-55	257448	Blank	0.005	0.015	0.010
GOS20-55	257472	Blank	0.005	0.015	0.010
GOS20-55	257496	Blank	0.005	0.015	0.010
GOS20-56	259024	Blank	0.005	0.015	0.010
GOS20-56	259048	Blank	0.005	0.015	0.010
GOS20-56	259072	Blank	0.005	0.015	0.010
GOS20-56	259096	Blank	0.005	0.015	0.010
GOS20-56	259124	Blank	0.005	0.015	0.010
GOS20-56	259148	Blank	0.005	0.015	0.010
GOS20-56	259172	Blank	0.005	0.015	0.010
GOS20-56	259196	Blank	0.005	0.015	0.010
GOS20-56	259224	Blank	0.005	0.015	0.010
GOS20-56	259248	Blank	0.005	0.015	0.010
GOS20-56	259272	Blank	0.005	0.015	0.010
GOS20-56	259296	Blank	0.005	0.015	0.010
GOS20-56	259324	Blank	0.005	0.015	0.010
GOS20-56	259348	Blank	0.005	0.015	0.010
GOS20-56	259372	Blank	0.005	0.015	0.010
GOS20-56	259396	Blank	0.005	0.015	0.010
GOS20-56	259400	Blank	0.005	0.015	0.010
GOS20-56	259424	Blank	0.005	0.015	0.010
GOS20-56	259448	Blank	0.005	0.015	0.010
GOS20-56	259456	Blank	0.005	0.015	0.010
GOS20-56	259458	Blank	0.005	0.015	0.010
GOS20-56	259472	Blank	0.005	0.015	0.010
GOS20-57	257524	Blank	0.005	0.015	0.010
GOS20-57	257548	Blank	0.005	0.015	0.010
GOS20-57	257572	Blank	0.005	0.015	0.010
GOS20-57	257596	Blank	0.005	0.015	0.010
GOS20-57	257624	Blank	0.005	0.015	0.010

GOS20-57	257643	Blank	0.005	0.015	0.010
GOS20-57	257648	Blank	0.005	0.015	0.010
GOS20-57	257672	Blank	0.005	0.015	0.010
GOS20-57	257686	Blank	0.005	0.015	0.010
GOS20-57	257696	Blank	0.005	0.015	0.010
GOS20-57	257724	Blank	0.006	0.015	0.009
GOS20-57	257748	Blank	0.005	0.015	0.010
GOS20-57	257768	Blank	0.008	0.015	0.007
GOS20-57	257772	Blank	0.005	0.015	0.010
GOS20-57	257796	Blank	0.005	0.015	0.010
GOS20-57	257824	Blank	0.005	0.015	0.010
GOS20-57	257840	Blank	0.005	0.015	0.010
GOS20-57	257848	Blank	0.005	0.015	0.010
GOS20-57	257872	Blank	0.005	0.015	0.010
GOS20-57	257896	Blank	0.005	0.015	0.010
GOS20-57	257924	Blank	0.005	0.015	0.010
GOS20-57	257948	Blank	0.005	0.015	0.010
GOS20-58	258024	Blank	0.005	0.015	0.010
GOS20-58	258048	Blank	0.005	0.015	0.010
GOS20-58	258072	Blank	0.005	0.015	0.010
GOS20-58	258096	Blank	0.005	0.015	0.010
GOS20-58	258124	Blank	0.005	0.015	0.010
GOS20-58	258148	Blank	0.005	0.015	0.010
GOS20-58	258172	Blank	0.005	0.015	0.010
GOS20-58	258196	Blank	0.005	0.015	0.010
GOS20-58	258224	Blank	0.005	0.015	0.010
GOS20-58	258248	Blank	0.005	0.015	0.010
GOS20-58	258272	Blank	0.006	0.015	0.009
GOS20-58	258296	Blank	0.005	0.015	0.010
GOS20-58	258324	Blank	0.005	0.015	0.010
GOS20-58	258348	Blank	0.005	0.015	0.010
GOS20-58	258372	Blank	0.005	0.015	0.010
GOS20-58	258396	Blank	0.005	0.015	0.010
GOS20-58	258424	Blank	0.005	0.015	0.010
GOS20-58	258448	Blank	0.005	0.015	0.010
GOS20-58	258472	Blank	0.005	0.015	0.010
GOS20-59	258724	Blank	0.005	0.015	0.010
GOS20-59	258748	Blank	0.005	0.015	0.010
GOS20-59	258772	Blank	0.005	0.015	0.010
GOS20-59	258796	Blank	0.005	0.015	0.010
GOS20-59	258824	Blank	0.005	0.015	0.010
GOS20-59	258848	Blank	0.005	0.015	0.010
GOS20-59	258872	Blank	0.005	0.015	0.010
GOS20-59	258896	Blank	0.005	0.015	0.010
GOS20-59	258924	Blank	0.005	0.015	0.010
GOS20-59	258948	Blank	0.005	0.015	0.010
GOS20-59	258972	Blank	0.005	0.015	0.010
GOS20-59	258996	Blank	0.005	0.015	0.010
GOS20-59	259824	Blank	0.005	0.015	0.010
GOS20-59	259848	Blank	0.005	0.015	0.010
GOS20-59	259872	Blank	0.005	0.015	0.010
GOS20-59	259896	Blank	0.005	0.015	0.010
GOS20-59	259924	Blank	0.005	0.015	0.010
GOS20-59	259948	Blank	0.005	0.015	0.010
GOS20-59	259972	Blank	0.005	0.015	0.010
GOS20-59	259996	Blank	0.005	0.015	0.010

GOS20-60	258496	Blank	0.005	0.015	0.010
GOS20-60	261024	Blank	0.005	0.015	0.010
GOS20-60	261048	Blank	0.005	0.015	0.010
GOS20-60	261072	Blank	0.005	0.015	0.010
GOS20-60	261096	Blank	0.005	0.015	0.010
GOS20-60	261124	Blank	0.005	0.015	0.010
GOS20-60	261148	Blank	0.005	0.015	0.010
GOS20-60	261172	Blank	0.005	0.015	0.010
GOS20-60	261196	Blank	0.005	0.015	0.010
GOS20-60	261224	Blank	0.013	0.015	0.002
GOS20-60	261248	Blank	0.005	0.015	0.010
GOS20-60	261272	Blank	0.005	0.015	0.010
GOS20-60	261296	Blank	0.005	0.015	0.010
GOS20-60	261324	Blank	0.005	0.015	0.010
GOS20-60	261348	Blank	0.005	0.015	0.010
GOS20-60	261372	Blank	0.005	0.015	0.010
GOS20-60	261396	Blank	0.005	0.015	0.010
GOS20-60	261424	Blank	0.005	0.015	0.010
GOS20-60	261448	Blank	0.005	0.015	0.010
GOS20-60	261472	Blank	0.005	0.015	0.010
GOS20-61	261524	Blank	0.007	0.015	0.008
GOS20-61	261548	Blank	0.006	0.015	0.009
GOS20-61	261572	Blank	0.005	0.015	0.010
GOS20-61	261596	Blank	0.005	0.015	0.010
GOS20-61	261624	Blank	0.005	0.015	0.010
GOS20-61	261648	Blank	0.005	0.015	0.010
GOS20-61	261667	Blank	0.009	0.015	0.006
GOS20-61	261672	Blank	0.005	0.015	0.010
GOS20-61	261696	Blank	0.005	0.015	0.010
GOS20-61	261724	Blank	0.007	0.015	0.008
GOS20-61	261748	Blank	0.005	0.015	0.010
GOS20-61	261772	Blank	0.005	0.015	0.010
GOS20-61	261796	Blank	0.005	0.015	0.010
GOS20-61	261824	Blank	0.009	0.015	0.006
GOS20-61	261848	Blank	0.011	0.015	0.004
GOS20-61	261872	Blank	0.005	0.015	0.010
GOS20-61	261896	Blank	0.005	0.015	0.010
GOS20-61	261924	Blank	0.005	0.015	0.010
GOS20-61	261948	Blank	0.006	0.015	0.009
GOS20-61	261972	Blank	0.005	0.015	0.010
GOS20-62	260524	Blank	0.005	0.015	0.010
GOS20-62	260526	Blank	0.005	0.015	0.010
GOS20-62	260548	Blank	0.005	0.015	0.010
GOS20-62	260572	Blank	0.005	0.015	0.010
GOS20-62	260596	Blank	0.005	0.015	0.010
GOS20-62	260624	Blank	0.005	0.015	0.010
GOS20-62	260634	Blank	0.005	0.015	0.010
GOS20-62	260648	Blank	0.005	0.015	0.010
GOS20-62	260672	Blank	0.005	0.015	0.010
GOS20-62	260696	Blank	0.005	0.015	0.010
GOS20-62	260724	Blank	0.005	0.015	0.010
GOS20-62	260748	Blank	0.005	0.015	0.010
GOS20-62	260758	Blank	0.009	0.015	0.006
GOS20-62	260772	Blank	0.005	0.015	0.010
GOS20-62	260796	Blank	0.005	0.015	0.010
GOS20-62	260824	Blank	0.005	0.015	0.010



Hole_ID	QC_Sample_No	Duplicate of	QC_Type	AU_FINAL_GPT_DUP	AU_FINAL_GPT_ORIG	% difference (/Orig)
GOS19-30	1082010	<b>1082009</b>	Field Duplicate	0.06	0.07	0.01
GOS19-30	1082030	<b>1082029</b>	Field Duplicate	0.29	0.06	-0.23
GOS19-30	1082050	<b>1082049</b>	Field Duplicate	0.46	0.24	-0.23
GOS19-30	1082070	<b>1082069</b>	Field Duplicate	0.17	0.44	0.27
GOS19-30	1082090	<b>1082089</b>	Field Duplicate	0.28	0.18	-0.10
GOS19-30	1082110	<b>1082109</b>	Field Duplicate	0.46	0.37	-0.09
GOS19-30	1082130	<b>1082129</b>	Field Duplicate	1.32	1.43	0.11
GOS19-30	1082150	<b>1082149</b>	Field Duplicate	0.29	0.18	-0.10
GOS19-30	811570	<b>811569</b>	Field Duplicate	0.13	0.12	-0.02
GOS19-30	811590	<b>811589</b>	Field Duplicate	0.07	0.05	-0.01
GOS19-30	811610	<b>811609</b>	Field Duplicate	0.01	0.01	0.00
GOS19-30	811630	<b>811629</b>	Field Duplicate	0.02	0.03	0.01
GOS19-30	811650	<b>811649</b>	Field Duplicate	0.01	0.01	0.00
GOS19-30	811670	<b>811669</b>	Field Duplicate	0.01	0.01	0.00
GOS19-30	811690	<b>811689</b>	Field Duplicate	0.01	0.01	0.00
GOS19-30	811710	<b>811709</b>	Field Duplicate	0.01	0.01	-12.50
GOS19-30	811730	<b>811729</b>	Field Duplicate	0.05	0.03	-88.46
GOS19-30	811750	<b>811749</b>	Field Duplicate	0.05	0.07	30.77
GOS19-30	811770	<b>811769</b>	Field Duplicate	0.18	0.18	0.56
GOS19-30	811790	<b>811789</b>	Field Duplicate	0.06	0.08	18.67
GOS19-30	811810	<b>811809</b>	Field Duplicate	0.19	0.18	-2.17
GOS19-30	811830	<b>811829</b>	Field Duplicate	0.14	0.17	19.53
GOS19-30	811850	<b>811849</b>	Field Duplicate	2.22	2.02	-9.70
GOS19-30	811870	<b>811869</b>	Field Duplicate	0.15	0.47	67.73
GOS19-30	811890	<b>811889</b>	Field Duplicate	0.34	0.36	7.69
GOS19-30	811910	<b>811909</b>	Field Duplicate	0.82	0.28	-196.39
GOS19-30	811930	<b>811929</b>	Field Duplicate	0.63	1.02	38.12
GOS19-30	811950	<b>811949</b>	Field Duplicate	0.13	0.34	60.24
GOS19-30	811970	<b>811969</b>	Field Duplicate	0.35	0.50	30.24
GOS19-30	811990	<b>811989</b>	Field Duplicate	0.91	0.95	5.03
GOS19-31	810510	<b>810509</b>	Field Duplicate	0.11	0.06	-103.57
GOS19-31	810530	<b>810529</b>	Field Duplicate	0.12	0.15	23.18
GOS19-31	810550	<b>810549</b>	Field Duplicate	0.06	0.05	-21.57
GOS19-31	810570	<b>810569</b>	Field Duplicate	0.27	0.13	-112.70
GOS19-31	810590	<b>810589</b>	Field Duplicate	0.01	0.01	9.09

GOS19-31	810610	<b>810609</b>	Field Duplicate	0.12	0.29	57.39
GOS19-31	810630	<b>810629</b>	Field Duplicate	0.03	0.03	10.00
GOS19-31	810650	<b>810549</b>	Field Duplicate	0.13	0.05	-147.06
GOS19-31	810670	<b>810669</b>	Field Duplicate	0.01	0.03	56.25
GOS19-31	810690	<b>810689</b>	Field Duplicate	0.02	0.03	11.11
GOS19-31	810710	<b>810709</b>	Field Duplicate	1.92	0.28	-581.56
GOS19-31	810730	<b>810729</b>	Field Duplicate	0.17	0.48	64.30
GOS19-31	810750	<b>810749</b>	Field Duplicate	0.02	0.02	-11.76
GOS19-31	810770	<b>810769</b>	Field Duplicate	1.98	1.02	-93.35
GOS19-31	810790	<b>810789</b>	Field Duplicate	0.43	0.53	19.32
GOS19-31	810810	<b>810809</b>	Field Duplicate	0.28	0.25	-12.65
GOS19-31	810830	<b>810829</b>	Field Duplicate	0.44	1.69	74.19
GOS19-31	810850	<b>810849</b>	Field Duplicate	0.50	0.12	-325.64
GOS19-31	810870	<b>810869</b>	Field Duplicate	0.68	0.62	-9.85
GOS19-31	810890	<b>810889</b>	Field Duplicate	0.65	0.74	11.38
GOS19-31	810910	<b>810909</b>	Field Duplicate	1.37	1.91	28.04
GOS19-31	810930	<b>810929</b>	Field Duplicate	0.71	0.27	-161.11
GOS19-31	810950	<b>810949</b>	Field Duplicate	0.28	0.29	1.75
GOS19-31	810970	<b>810969</b>	Field Duplicate	0.01	0.01	-16.67
GOS19-32	1082170	<b>1082169</b>	Field Duplicate	0.99	0.36	-178.31
GOS19-32	1082190	<b>1082189</b>	Field Duplicate	0.01	0.01	-20.00
GOS19-32	1082210	<b>1082209</b>	Field Duplicate	0.08	0.06	-43.86
GOS19-32	1082230	<b>1082229</b>	Field Duplicate	0.09	0.07	-26.47
GOS19-32	1082250	<b>1082249</b>	Field Duplicate	0.23	0.18	-29.55
GOS19-32	1082270	<b>1082269</b>	Field Duplicate	0.01	0.01	-27.27
GOS19-32	1082290	<b>1082289</b>	Field Duplicate	0.01	0.01	10.00
GOS19-32	1082310	<b>1082309</b>	Field Duplicate	0.04	0.09	53.41
GOS19-32	1082330	<b>1082329</b>	Field Duplicate	0.01	0.01	16.67
GOS19-32	1082350	<b>1082349</b>	Field Duplicate	0.83	0.39	-114.51
GOS19-32	1082370	<b>1082369</b>	Field Duplicate	0.30	0.28	-9.82
GOS19-32	1082390	<b>1082389</b>	Field Duplicate	0.27	0.37	27.40
GOS19-32	1082410	<b>1082409</b>	Field Duplicate	0.47	0.53	11.44
GOS19-32	1082430	<b>1082429</b>	Field Duplicate	0.21	0.33	37.58
GOS19-32	1082450	<b>1082449</b>	Field Duplicate	0.23	0.55	58.24
GOS19-32	1082470	<b>1082469</b>	Field Duplicate	0.71	0.34	-106.73
GOS19-32	1082490	<b>1082489</b>	Field Duplicate	0.34	0.12	-193.91

GOS19-32	1082510	<b>1082509</b>	Field Duplicate	1.00	1.00	0.10
GOS19-32	1082530	<b>1082529</b>	Field Duplicate	0.07	0.04	-54.55
GOS19-32	1082550	<b>1082549</b>	Field Duplicate	0.02	0.02	10.00
GOS19-32	1082570	<b>1082569</b>	Field Duplicate	0.19	0.17	-15.76
GOS19-32	1082590	<b>1082589</b>	Field Duplicate	0.40	0.44	10.63
GOS19-32	1082610	<b>1082609</b>	Field Duplicate	0.19	0.27	28.62
GOS19-32	1082630	<b>1082629</b>	Field Duplicate	0.11	0.10	-8.74
GOS19-32	1082650	<b>1082649</b>	Field Duplicate	1.20	0.31	-294.10
GOS19-32	1082670	<b>1082669</b>	Field Duplicate	0.04	0.04	7.50
GOS19-32	1082690	<b>1082689</b>	Field Duplicate	0.06	0.07	11.94
GOS19-32	1082710	<b>1082709</b>	Field Duplicate	0.02	0.02	-16.67
GOS19-33	1083510	<b>1083509</b>	Field Duplicate	0.05	0.05	-5.88
GOS19-33	1083530	<b>1083529</b>	Field Duplicate	0.01	0.03	84.85
GOS19-33	1083550	<b>1083549</b>	Field Duplicate	0.04	0.06	32.76
GOS19-33	1083570	<b>1083569</b>	Field Duplicate	0.46	0.60	24.17
GOS19-33	1083590	<b>1083589</b>	Field Duplicate	0.09	0.13	33.33
GOS19-33	1083610	<b>1083609</b>	Field Duplicate	0.25	0.17	-48.19
GOS19-33	1083630	<b>1083629</b>	Field Duplicate	0.16	0.14	-9.09
GOS19-33	1083650	<b>1083649</b>	Field Duplicate	0.30	0.60	50.17
GOS19-33	1083670	<b>1083669</b>	Field Duplicate	0.02	0.02	-18.75
GOS19-33	1083690	<b>1083689</b>	Field Duplicate	0.48	0.67	28.40
GOS19-33	1083710	<b>1083709</b>	Field Duplicate	1.01	1.37	26.28
GOS19-33	1083730	<b>1083729</b>	Field Duplicate	1.10	0.99	-11.01
GOS19-33	1083750	<b>1083749</b>	Field Duplicate	0.71	0.43	-66.51
GOS19-33	1083770	<b>1083769</b>	Field Duplicate	0.17	0.20	14.14
GOS19-33	1083810	<b>1083809</b>	Field Duplicate	4.00	2.81	-42.35
GOS19-33	1083830	<b>1083729</b>	Field Duplicate	3.07	0.99	-210.10
GOS19-33	1083850	<b>1083849</b>	Field Duplicate	2.41	6.45	62.60
GOS19-33	1083870	<b>1083869</b>	Field Duplicate	0.68	2.95	77.07
GOS19-33	1083890	<b>1083889</b>	Field Duplicate	0.72	0.35	-106.29
GOS19-33	1083910	<b>1083909</b>	Field Duplicate	0.60	0.50	-19.88
GOS19-33	1083930	<b>1083929</b>	Field Duplicate	1.33	3.09	56.86
GOS19-33	1083950	<b>1083949</b>	Field Duplicate	0.16	0.11	-45.13
GOS19-33	1083970	<b>1083969</b>	Field Duplicate	0.11	0.13	16.92
GOS19-33	1083990	<b>1083989</b>	Field Duplicate	0.09	0.13	30.47
GOS19-33	1084010	<b>1084009</b>	Field Duplicate	0.24	0.10	-145.92



GOS19-33	1084030	<b>1084029</b>	Field Duplicate	0.25	0.14	-76.39
GOS20-34	455070	<b>455069</b>	Field Duplicate	0.29	0.15	-98.62
GOS20-34	455090	<b>455089</b>	Field Duplicate	0.27	0.45	39.91
GOS20-34	455110	<b>455109</b>	Field Duplicate	0.05	0.04	-31.58
GOS20-34	455130	<b>455129</b>	Field Duplicate	0.12	0.13	9.45
GOS20-34	455150	<b>455149</b>	Field Duplicate	0.77	0.44	-74.89
GOS20-34	858270	<b>858269</b>	Field Duplicate	0.01	0.01	54.55
GOS20-34	858290	<b>858289</b>	Field Duplicate	0.04	0.05	26.53
GOS20-34	858310	<b>858309</b>	Field Duplicate	0.08	0.09	8.05
GOS20-34	858330	<b>858329</b>	Field Duplicate	0.04	0.04	-2.56
GOS20-34	858350	<b>858349</b>	Field Duplicate	0.10	0.10	-2.08
GOS20-34	858370	<b>858369</b>	Field Duplicate	0.08	0.06	-28.81
GOS20-34	858390	<b>858389</b>	Field Duplicate	0.08	0.03	-188.46
GOS20-34	858410	<b>858409</b>	Field Duplicate	0.21	0.21	2.38
GOS20-34	858430	<b>858429</b>	Field Duplicate	0.08	0.20	62.75
GOS20-34	858450	<b>858449</b>	Field Duplicate	0.11	0.11	-3.74
GOS20-34	858470	<b>858469</b>	Field Duplicate	0.01	0.01	0.00
GOS20-34	858490	<b>858489</b>	Field Duplicate	2.12	2.80	24.11
GOS20-35	1075010	<b>1075009</b>	Field Duplicate	0.04	0.06	34.55
GOS20-35	1075030	<b>1075029</b>	Field Duplicate	0.04	0.12	65.04
GOS20-35	1075050	<b>1075049</b>	Field Duplicate	0.01	0.01	0.00
GOS20-35	1075070	<b>1075069</b>	Field Duplicate	0.01	0.02	29.41
GOS20-35	1075090	<b>1075089</b>	Field Duplicate	0.01	0.01	-40.00
GOS20-35	1075110	<b>1075109</b>	Field Duplicate	0.05	0.05	7.84
GOS20-35	1075130	<b>1075129</b>	Field Duplicate	0.13	0.10	-24.04
GOS20-35	1075150	<b>1075149</b>	Field Duplicate	0.18	0.25	28.57
GOS20-35	1075170	<b>1075169</b>	Field Duplicate	3.65	0.90	-307.37
GOS20-35	1075190	<b>1075189</b>	Field Duplicate	0.01	0.02	33.33
GOS20-35	1075210	<b>1075209</b>	Field Duplicate	0.24	0.19	-24.35
GOS20-35	1075230	<b>1075229</b>	Field Duplicate	0.01	0.01	0.00
GOS20-35	1075250	<b>1075249</b>	Field Duplicate	0.01	0.01	0.00
GOS20-35	1075270	<b>1075269</b>	Field Duplicate	0.04	0.05	22.64
GOS20-35	1075290	<b>1075289</b>	Field Duplicate	0.91	0.86	-5.32
GOS20-35	1075310	<b>1075309</b>	Field Duplicate	0.32	0.47	32.98
GOS20-35	1075330	<b>1075329</b>	Field Duplicate	0.23	0.21	-12.20
GOS20-35	1075350	<b>1075349</b>	Field Duplicate	0.24	0.28	13.48

GOS20-35	1075370	<b>1075369</b>	Field Duplicate	0.18	0.14	-32.59
GOS20-35	1075390	<b>1075389</b>	Field Duplicate	0.22	0.29	25.26
GOS20-35	1075410	<b>1075409</b>	Field Duplicate	1.79	8.71	79.46
GOS20-35	1075430	<b>1075429</b>	Field Duplicate	0.03	0.04	17.95
GOS20-35	1075450	<b>1075449</b>	Field Duplicate	0.15	0.07	-105.63
GOS20-36	1079010	<b>1079009</b>	Field Duplicate	6.03	0.14	-4176.60
GOS20-36	1079030	<b>1079029</b>	Field Duplicate	0.05	0.05	9.80
GOS20-36	1079050	<b>1079049</b>	Field Duplicate	0.10	0.08	-26.25
GOS20-36	1079070	<b>1079069</b>	Field Duplicate	0.14	0.10	-33.33
GOS20-36	1079090	<b>1079089</b>	Field Duplicate	0.01	0.01	-60.00
GOS20-36	1079110	<b>1079109</b>	Field Duplicate	0.01	0.01	33.33
GOS20-36	1079130	<b>1079129</b>	Field Duplicate	0.01	0.01	-40.00
GOS20-36	1079150	<b>1079149</b>	Field Duplicate	0.01	0.01	0.00
GOS20-36	1079170	<b>1079169</b>	Field Duplicate	0.02	0.02	-22.22
GOS20-36	1079190	<b>1079189</b>	Field Duplicate	0.15	0.08	-93.67
GOS20-36	1079210	<b>1079209</b>	Field Duplicate	0.24	0.24	1.24
GOS20-36	1079230	<b>1079229</b>	Field Duplicate	0.29	0.22	-29.91
GOS20-36	1079250	<b>1079249</b>	Field Duplicate	0.09	0.14	35.04
GOS20-36	1079270	<b>1079269</b>	Field Duplicate	0.23	0.10	-118.45
GOS20-36	1079290	<b>1079289</b>	Field Duplicate	0.28	0.22	-23.21
GOS20-36	1079310	<b>1079309</b>	Field Duplicate	4.83	5.62	14.06
GOS20-36	1079330	<b>1079329</b>	Field Duplicate	0.26	0.30	14.19
GOS20-36	1079350	<b>1079349</b>	Field Duplicate	0.18	0.21	13.17
GOS20-36	1079370	<b>1079369</b>	Field Duplicate	0.01	0.01	10.00
GOS20-36	1079390	<b>1079389</b>	Field Duplicate	0.40	0.27	-47.79
GOS20-36	1079410	<b>1079409</b>	Field Duplicate	0.54	0.61	11.13
GOS20-36	1079430	<b>1079429</b>	Field Duplicate	1.15	1.92	40.31
GOS20-36	1079450	<b>1079449</b>	Field Duplicate	0.05	0.03	-46.88
GOS20-36	1079470	<b>1079469</b>	Field Duplicate	0.15	0.16	9.20
GOS20-36	1079490	<b>1079489</b>	Field Duplicate	0.65	0.90	27.99
GOS20-36	1079510	<b>1079509</b>	Field Duplicate	0.69	0.75	7.38
GOS20-37	1080010	<b>1080009</b>	Field Duplicate	0.42	0.62	32.85
GOS20-37	1080030	<b>1080029</b>	Field Duplicate	0.78	0.75	-4.16
GOS20-37	1080050	<b>1080049</b>	Field Duplicate	0.96	1.38	30.12
GOS20-37	1080070	<b>1080069</b>	Field Duplicate	0.20	0.16	-28.03
GOS20-37	1080090	<b>1080089</b>	Field Duplicate	0.79	0.67	-17.94

GOS20-37	1080110	<b>1080109</b>	Field Duplicate	0.48	0.72	33.84
GOS20-37	1080130	<b>1080129</b>	Field Duplicate	0.20	0.21	6.60
GOS20-37	455170	<b>455169</b>	Field Duplicate	0.07	0.27	72.99
GOS20-37	455190	<b>455189</b>	Field Duplicate	0.11	0.05	-109.80
GOS20-37	455210	<b>455209</b>	Field Duplicate	0.05	0.03	-53.33
GOS20-37	455230	<b>455229</b>	Field Duplicate	0.03	0.05	27.66
GOS20-37	455250	<b>455249</b>	Field Duplicate	0.88	0.78	-13.62
GOS20-37	455270	<b>455269</b>	Field Duplicate	0.54	0.39	-39.59
GOS20-37	455290	<b>455289</b>	Field Duplicate	0.06	0.04	-57.89
GOS20-37	455310	<b>455309</b>	Field Duplicate	0.10	0.05	-110.20
GOS20-37	455330	<b>455329</b>	Field Duplicate	0.01	0.01	50.00
GOS20-37	455350	<b>455349</b>	Field Duplicate	0.31	0.53	42.34
GOS20-37	455370	<b>455369</b>	Field Duplicate	0.76	0.62	-21.96
GOS20-37	455390	<b>455389</b>	Field Duplicate	0.18	0.01	-1269.23
GOS20-37	455410	<b>455409</b>	Field Duplicate	0.82	0.55	-50.73
GOS20-37	455430	<b>455429</b>	Field Duplicate	0.07	0.15	53.69
GOS20-37	455450	<b>455449</b>	Field Duplicate	0.85	0.11	-668.18
GOS20-37	455470	<b>455469</b>	Field Duplicate	1.11	2.25	50.60
GOS20-37	455490	<b>455489</b>	Field Duplicate	0.51	0.74	30.48
GOS20-37	842270	<b>842269</b>	Field Duplicate	0.07	0.27	75.00
GOS20-37	842290	<b>842289</b>	Field Duplicate	0.35	0.26	-33.59
GOS20-37	842310	<b>842309</b>	Field Duplicate	0.55	0.51	-7.92
GOS20-37	842330	<b>842329</b>	Field Duplicate	0.46	0.71	35.81
GOS20-37	842350	<b>842349</b>	Field Duplicate	0.42	0.42	-0.96
GOS20-38	1077010	<b>1077009</b>	Field Duplicate	0.28	0.01	-1907.14
GOS20-38	1077030	<b>1077029</b>	Field Duplicate	0.05	0.03	-50.00
GOS20-38	1077050	<b>1077049</b>	Field Duplicate	0.04	0.04	-25.71
GOS20-38	1077070	<b>1077069</b>	Field Duplicate	4.17	0.38	-994.49
GOS20-38	1077090	<b>1077089</b>	Field Duplicate	0.04	0.07	39.13
GOS20-38	1077110	<b>1077109</b>	Field Duplicate	0.25	0.20	-27.92
GOS20-38	1077130	<b>1077129</b>	Field Duplicate	0.08	0.25	66.94
GOS20-38	1077150	<b>1077149</b>	Field Duplicate	0.05	0.05	-3.85
GOS20-38	1077170	<b>1077169</b>	Field Duplicate	0.10	0.13	21.97
GOS20-38	1077190	<b>1077189</b>	Field Duplicate	0.85	1.17	27.30
GOS20-38	1077210	<b>1077209</b>	Field Duplicate	0.05	0.03	-92.00
GOS20-38	1077230	<b>1077229</b>	Field Duplicate	0.01	0.02	35.29

GOS20-38	1077250	<b>1077249</b>	Field Duplicate	0.10	0.08	-23.81
GOS20-38	1077270	<b>1077269</b>	Field Duplicate	0.07	0.04	-74.36
GOS20-38	1077290	<b>1077289</b>	Field Duplicate	0.08	0.06	-19.05
GOS20-38	1077310	<b>1077309</b>	Field Duplicate	0.38	0.49	22.49
GOS20-38	1077330	<b>1077329</b>	Field Duplicate	1.40	2.22	36.79
GOS20-38	1077350	<b>1077349</b>	Field Duplicate	0.01	0.01	15.38
GOS20-38	1077370	<b>1077369</b>	Field Duplicate	1.01	1.16	13.16
GOS20-38	1077390	<b>1077389</b>	Field Duplicate	0.82	0.99	17.76
GOS20-38	1077410	<b>1077409</b>	Field Duplicate	2.01	3.59	43.90
GOS20-38	1077430	<b>1077429</b>	Field Duplicate	0.38	0.26	-44.70
GOS20-38	1077450	<b>1077449</b>	Field Duplicate	0.89	0.51	-76.44
GOS20-38	1077470	<b>1077469</b>	Field Duplicate	1.18	1.57	24.82
GOS20-39	1075510	<b>1075509</b>	Field Duplicate	0.07	0.01	-466.67
GOS20-39	1075530	<b>1075529</b>	Field Duplicate	0.10	0.03	-277.78
GOS20-39	1075550	<b>1075549</b>	Field Duplicate	0.32	0.57	44.33
GOS20-39	1075570	<b>1075569</b>	Field Duplicate	0.01	0.01	0.00
GOS20-39	1075590	<b>1075589</b>	Field Duplicate	0.01	0.01	-20.00
GOS20-39	1075610	<b>1075609</b>	Field Duplicate	0.04	0.04	-14.29
GOS20-39	1075630	<b>1075629</b>	Field Duplicate	0.03	0.04	34.88
GOS20-39	1075650	<b>1075649</b>	Field Duplicate	0.03	0.34	92.08
GOS20-39	1075670	<b>1075669</b>	Field Duplicate	0.02	0.03	20.00
GOS20-39	1075690	<b>1075689</b>	Field Duplicate	0.28	0.17	-69.28
GOS20-39	1075710	<b>1075709</b>	Field Duplicate	0.10	0.08	-25.00
GOS20-39	1075730	<b>1075729</b>	Field Duplicate	0.08	0.08	1.23
GOS20-39	1075750	<b>1075749</b>	Field Duplicate	0.12	0.10	-23.16
GOS20-40	1079530	<b>1079529</b>	Field Duplicate	0.05	0.07	32.88
GOS20-40	1079550	<b>1079549</b>	Field Duplicate	0.04	0.12	70.16
GOS20-40	1079570	<b>1079569</b>	Field Duplicate	0.05	0.14	61.76
GOS20-40	1079590	<b>1079589</b>	Field Duplicate	0.05	0.03	-84.62
GOS20-40	1079610	<b>1079609</b>	Field Duplicate	0.03	0.01	-78.57
GOS20-40	1079630	<b>1079629</b>	Field Duplicate	0.06	0.06	3.13
GOS20-40	1079650	<b>1079649</b>	Field Duplicate	0.42	0.56	25.09
GOS20-40	1079670	<b>1079659</b>	Field Duplicate	0.18	0.73	75.48
GOS20-40	1079690	<b>1079689</b>	Field Duplicate	0.10	0.13	19.69
GOS20-40	1079710	<b>1079709</b>	Field Duplicate	0.03	0.02	-40.00
GOS20-40	1079730	<b>1079729</b>	Field Duplicate	0.21	0.18	-17.42

GOS20-40	1079750	<b>1079749</b>	Field Duplicate	0.07	0.12	45.53
GOS20-40	1079770	<b>1079769</b>	Field Duplicate	0.04	0.05	20.83
GOS20-40	1079790	<b>1079789</b>	Field Duplicate	0.90	1.02	11.68
GOS20-40	1079810	<b>1079809</b>	Field Duplicate	0.14	0.17	21.05
GOS20-40	1079830	<b>1079829</b>	Field Duplicate	0.62	0.55	-13.69
GOS20-40	1079850	<b>1079849</b>	Field Duplicate	0.51	0.55	6.88
GOS20-40	1079870	<b>1079869</b>	Field Duplicate	0.98	0.48	-103.52
GOS20-40	1079890	<b>1079889</b>	Field Duplicate	2.27	2.81	19.28
GOS20-40	1079910	<b>1079909</b>	Field Duplicate	1.08	1.30	17.04
GOS20-40	1079930	<b>1079929</b>	Field Duplicate	0.93	0.99	5.88
GOS20-40	1079950	<b>1079949</b>	Field Duplicate	0.20	0.18	-13.48
GOS20-40	1079970	<b>1079969</b>	Field Duplicate	0.22	0.24	7.82
GOS20-41	1078010	<b>1078009</b>	Field Duplicate	0.04	0.06	37.50
GOS20-41	1078030	<b>1078029</b>	Field Duplicate	0.05	0.05	1.92
GOS20-41	1078050	<b>1078049</b>	Field Duplicate	0.41	0.45	9.07
GOS20-41	1078070	<b>1078069</b>	Field Duplicate	0.09	0.12	24.14
GOS20-41	1078090	<b>1078089</b>	Field Duplicate	0.12	0.37	67.48
GOS20-41	1078110	<b>1078109</b>	Field Duplicate	0.02	0.06	62.30
GOS20-41	1078130	<b>1078129</b>	Field Duplicate	0.56	0.28	-97.87
GOS20-41	1078150	<b>1078149</b>	Field Duplicate	0.08	0.08	2.44
GOS20-41	1078170	<b>1078169</b>	Field Duplicate	1.55	1.20	-29.71
GOS20-41	1078190	<b>1078189</b>	Field Duplicate	0.38	0.55	31.41
GOS20-41	1078210	<b>1078209</b>	Field Duplicate	0.35	0.21	-65.24
GOS20-41	1078230	<b>1078229</b>	Field Duplicate	1.32	2.10	37.08
GOS20-41	1078250	<b>1078249</b>	Field Duplicate	0.13	0.16	19.35
GOS20-41	1078270	<b>1078269</b>	Field Duplicate	0.08	0.28	71.13
GOS20-41	1078290	<b>1078289</b>	Field Duplicate	0.26	0.06	-344.83
GOS20-41	1078310	<b>1078309</b>	Field Duplicate	0.10	1.11	90.59
GOS20-41	1078330	<b>1078329</b>	Field Duplicate	4.87	6.92	29.62
GOS20-41	1078350	<b>1078349</b>	Field Duplicate	0.24	0.18	-33.15
GOS20-41	1078370	<b>1078369</b>	Field Duplicate	0.84	0.25	-240.65
GOS20-41	1078390	<b>1078389</b>	Field Duplicate	0.17	0.13	-28.36
GOS20-41	1078410	<b>1078409</b>	Field Duplicate	0.06	0.05	-25.49
GOS20-41	1078430	<b>1078429</b>	Field Duplicate	0.14	0.29	52.61
GOS20-41	1078450	<b>1078449</b>	Field Duplicate	0.58	0.63	7.32
GOS20-41	1078470	<b>1078469</b>	Field Duplicate	0.05	0.04	-16.28

GOS20-41	1078490	<b>1078489</b>	Field Duplicate	0.19	0.12	-57.98
GOS20-42	1083010	<b>1083009</b>	Field Duplicate	0.01	0.01	-12.50
GOS20-42	1083030	<b>1083029</b>	Field Duplicate	0.08	0.06	-31.25
GOS20-42	1083050	<b>1083049</b>	Field Duplicate	0.27	0.19	-41.24
GOS20-42	1083070	<b>1083069</b>	Field Duplicate	0.01	0.04	66.67
GOS20-42	1083090	<b>1083089</b>	Field Duplicate	0.05	0.06	21.31
GOS20-42	1083110	<b>1083109</b>	Field Duplicate	0.12	0.03	-317.86
GOS20-42	1083130	<b>1083129</b>	Field Duplicate	0.40	0.11	-258.93
GOS20-42	1083150	<b>1083149</b>	Field Duplicate	0.05	0.08	33.77
GOS20-42	1083170	<b>1083169</b>	Field Duplicate	0.06	0.06	1.64
GOS20-42	1083190	<b>1083189</b>	Field Duplicate	0.68	0.09	-646.15
GOS20-42	1083210	<b>1083209</b>	Field Duplicate	0.60	1.17	48.15
GOS20-42	1083230	<b>1083229</b>	Field Duplicate	0.05	0.06	29.69
GOS20-42	1083250	<b>1083249</b>	Field Duplicate	0.09	0.06	-36.51
GOS20-42	1083270	<b>1083269</b>	Field Duplicate	0.38	0.35	-9.22
GOS20-42	1083290	<b>1083289</b>	Field Duplicate	1.88	3.82	50.86
GOS20-42	1083310	<b>1083309</b>	Field Duplicate	0.72	0.72	-0.70
GOS20-42	1083330	<b>1083329</b>	Field Duplicate	0.70	0.37	-90.49
GOS20-42	1083350	<b>1083349</b>	Field Duplicate	0.10	0.11	12.84
GOS20-42	1083370	<b>1083369</b>	Field Duplicate	0.44	0.31	-44.92
GOS20-42	1083390	<b>1083389</b>	Field Duplicate	0.12	0.15	23.18
GOS20-42	1083410	<b>1083409</b>	Field Duplicate	0.07	0.06	-17.86
GOS20-42	1083430	<b>1083429</b>	Field Duplicate	0.06	0.01	-1120.00
GOS20-43	1075770	<b>1075769</b>	Field Duplicate	0.07	0.01	-1320.00
GOS20-43	1075790	<b>1075789</b>	Field Duplicate	0.01	0.01	28.57
GOS20-43	1075810	<b>1075809</b>	Field Duplicate	0.02	0.01	-300.00
GOS20-43	1075830	<b>1075829</b>	Field Duplicate	0.05	0.02	-160.00
GOS20-43	1075850	<b>1075849</b>	Field Duplicate	0.03	0.04	32.43
GOS20-43	1075870	<b>1075869</b>	Field Duplicate	0.09	0.06	-67.27
GOS20-43	1075890	<b>1075889</b>	Field Duplicate	0.06	0.07	12.31
GOS20-43	1075910	<b>1075909</b>	Field Duplicate	0.40	0.08	-370.24
GOS20-43	1075930	<b>1075929</b>	Field Duplicate	0.06	0.03	-88.24
GOS20-43	1075950	<b>1075949</b>	Field Duplicate	0.34	0.43	21.89
GOS20-43	1075970	<b>1075969</b>	Field Duplicate	0.16	0.22	29.55
GOS20-43	1075990	<b>1075989</b>	Field Duplicate	0.07	0.17	58.05
GOS20-43	1076010	<b>1076009</b>	Field Duplicate	0.82	0.60	-35.82

GOS20-43	1076030	<b>1076029</b>	Field Duplicate	1.01	0.04	-2497.44
GOS20-43	1076050	<b>1076049</b>	Field Duplicate	4.26	3.50	-21.71
GOS20-43	1076070	<b>1076069</b>	Field Duplicate	0.34	0.28	-20.00
GOS20-43	1076090	<b>1076089</b>	Field Duplicate	0.40	0.45	10.09
GOS20-43	1076110	<b>1076109</b>	Field Duplicate	0.17	0.13	-29.10
GOS20-43	1076130	<b>1076129</b>	Field Duplicate	5.47	5.65	3.19
GOS20-43	1076150	<b>1076149</b>	Field Duplicate	1.12	1.17	3.93
GOS20-43	1076170	<b>1076169</b>	Field Duplicate	0.02	0.02	0.00
GOS20-43	1076190	<b>1076189</b>	Field Duplicate	1.03	1.16	11.52
GOS20-43	1076210	<b>1076209</b>	Field Duplicate	0.86	0.73	-17.24
GOS20-43	1076230	<b>1076229</b>	Field Duplicate	0.19	0.26	26.52
GOS20-43	1076250	<b>1076249</b>	Field Duplicate	0.06	0.01	-463.64
GOS20-44	1084510	<b>1084509</b>	Field Duplicate	0.01	0.01	0.00
GOS20-44	1084530	<b>1084529</b>	Field Duplicate	0.01	0.01	-75.00
GOS20-44	1084550	<b>1084549</b>	Field Duplicate	0.11	0.17	35.26
GOS20-44	1084570	<b>1084569</b>	Field Duplicate	0.05	0.06	19.30
GOS20-44	1084590	<b>1084589</b>	Field Duplicate	0.09	0.05	-64.15
GOS20-44	1084610	<b>1084609</b>	Field Duplicate	0.02	0.05	57.78
GOS20-44	1084630	<b>1084629</b>	Field Duplicate	0.14	0.11	-23.64
GOS20-44	1084650	<b>1084649</b>	Field Duplicate	0.01	0.01	0.00
GOS20-44	1084670	<b>1084669</b>	Field Duplicate	0.05	0.04	-28.21
GOS20-44	1084690	<b>1084689</b>	Field Duplicate	0.19	0.64	69.95
GOS20-44	1084710	<b>1084709</b>	Field Duplicate	0.96	0.20	-391.33
GOS20-44	1084730	<b>1084729</b>	Field Duplicate	0.07	0.24	71.78
GOS20-44	1084750	<b>1084749</b>	Field Duplicate	0.85	0.48	-77.18
GOS20-44	1084770	<b>1084769</b>	Field Duplicate	1.28	0.70	-83.64
GOS20-44	1084790	<b>1084789</b>	Field Duplicate	0.99	4.57	78.27
GOS20-44	1084810	<b>1084809</b>	Field Duplicate	0.87	0.68	-28.01
GOS20-44	1084830	<b>1084829</b>	Field Duplicate	6.07	2.27	-167.99
GOS20-44	1084850	<b>1084849</b>	Field Duplicate	0.97	0.66	-46.98
GOS20-44	1084870	<b>1084869</b>	Field Duplicate	9.52	3.96	-140.40
GOS20-44	1084890	<b>1084889</b>	Field Duplicate	1.25	1.27	1.42
GOS20-44	1084910	<b>1084909</b>	Field Duplicate	0.71	3.60	80.42
GOS20-44	1084930	<b>1084929</b>	Field Duplicate	0.81	0.78	-4.77
GOS20-44	1084950	<b>1084949</b>	Field Duplicate	4.48	2.54	-76.73
GOS20-44	1084970	<b>1084969</b>	Field Duplicate	0.52	0.47	-11.75

GOS20-44	1084990	<b>1084989</b>	Field Duplicate	0.14	0.12	-19.01
GOS20-45	784970	<b>784969</b>	Field Duplicate	0.18	0.14	-30.50
GOS20-45	784990	<b>784989</b>	Field Duplicate	0.01	0.01	22.22
GOS20-46	255510	<b>255509</b>	Field Duplicate	0.01	0.01	-11.11
GOS20-46	255530	<b>255529</b>	Field Duplicate	0.05	0.03	-36.36
GOS20-46	255550	<b>255549</b>	Field Duplicate	4.69	0.97	-382.01
GOS20-46	255570	<b>255569</b>	Field Duplicate	0.04	0.03	-29.41
GOS20-46	255590	<b>255589</b>	Field Duplicate	0.08	0.03	-136.36
GOS20-46	255610	<b>255609</b>	Field Duplicate	0.02	0.04	43.59
GOS20-46	255630	<b>255629</b>	Field Duplicate	0.04	0.06	38.60
GOS20-46	255650	<b>255649</b>	Field Duplicate	0.06	0.16	63.92
GOS20-46	255670	<b>255669</b>	Field Duplicate	0.02	0.07	78.87
GOS20-46	255690	<b>255689</b>	Field Duplicate	0.08	0.17	50.89
GOS20-46	255710	<b>255709</b>	Field Duplicate	0.05	0.04	-45.95
GOS20-46	255730	<b>255729</b>	Field Duplicate	0.90	1.08	16.74
GOS20-46	255750	<b>255749</b>	Field Duplicate	0.01	0.01	0.00
GOS20-46	255770	<b>255769</b>	Field Duplicate	0.07	0.06	-11.86
GOS20-46	255790	<b>255789</b>	Field Duplicate	0.27	0.16	-70.00
GOS20-46	255810	<b>255809</b>	Field Duplicate	0.08	0.12	34.48
GOS20-46	255830	<b>255829</b>	Field Duplicate	0.30	0.27	-10.99
GOS20-46	255850	<b>255849</b>	Field Duplicate	0.08	0.09	12.36
GOS20-46	255870	<b>255869</b>	Field Duplicate	0.16	0.25	35.74
GOS20-46	255890	<b>255889</b>	Field Duplicate	0.44	0.41	-7.32
GOS20-46	255910	<b>255909</b>	Field Duplicate	0.96	0.48	-101.05
GOS20-46	255930	<b>255929</b>	Field Duplicate	0.71	0.49	-45.88
GOS20-46	255950	<b>255949</b>	Field Duplicate	0.03	0.01	-177.78
GOS20-46	255970	<b>255969</b>	Field Duplicate	0.87	0.55	-57.85
GOS20-47	255010	<b>255009</b>	Field Duplicate	0.25	0.17	-46.24
GOS20-47	255030	<b>255029</b>	Field Duplicate	0.39	0.42	7.18
GOS20-47	255050	<b>255049</b>	Field Duplicate	0.80	0.46	-76.48
GOS20-47	255070	<b>255069</b>	Field Duplicate	0.04	0.01	-191.67
GOS20-47	255090	<b>255089</b>	Field Duplicate	0.07	0.10	31.25
GOS20-47	255110	<b>255109</b>	Field Duplicate	0.21	0.28	23.93
GOS20-47	255130	<b>255129</b>	Field Duplicate	0.08	0.09	13.48
GOS20-47	255150	<b>255149</b>	Field Duplicate	0.02	0.03	53.13
GOS20-47	255170	<b>255169</b>	Field Duplicate	0.10	0.15	29.66



GOS20-47	255190	<b>255189</b>	Field Duplicate	0.25	0.20	-26.90
GOS20-47	255210	<b>255209</b>	Field Duplicate	0.06	0.07	18.57
GOS20-47	255230	<b>255229</b>	Field Duplicate	1.91	0.64	-198.75
GOS20-47	255250	<b>255249</b>	Field Duplicate	0.12	0.58	80.00
GOS20-47	255270	<b>255269</b>	Field Duplicate	0.18	0.16	-7.98
GOS20-47	255290	<b>255289</b>	Field Duplicate	0.16	0.21	23.33
GOS20-47	255310	<b>255309</b>	Field Duplicate	3.47	1.02	-241.54
GOS20-47	255330	<b>255329</b>	Field Duplicate	2.00	0.93	-114.84
GOS20-47	255350	<b>255349</b>	Field Duplicate	0.60	0.50	-19.05
GOS20-47	255370	<b>255369</b>	Field Duplicate	0.87	1.92	54.84
GOS20-47	255390	<b>255389</b>	Field Duplicate	0.39	0.24	-62.81
GOS20-47	255410	<b>255409</b>	Field Duplicate	1.16	0.27	-332.71
GOS20-47	255430	<b>255429</b>	Field Duplicate	4.58	1.91	-140.42
GOS20-47	255450	<b>255449</b>	Field Duplicate	0.78	2.96	73.58
GOS20-47	255470	<b>255469</b>	Field Duplicate	0.72	0.89	18.97
GOS20-48	256010	<b>256009</b>	Field Duplicate	0.06	0.15	57.33
GOS20-48	256030	<b>256029</b>	Field Duplicate	0.09	0.08	-11.39
GOS20-48	256050	<b>256049</b>	Field Duplicate	0.04	0.06	34.38
GOS20-48	256070	<b>256069</b>	Field Duplicate	0.04	0.08	46.67
GOS20-48	256090	<b>256089</b>	Field Duplicate	0.02	0.04	56.82
GOS20-48	256110	<b>256109</b>	Field Duplicate	0.01	0.02	27.78
GOS20-48	256130	<b>256129</b>	Field Duplicate	0.09	0.17	47.09
GOS20-48	256150	<b>256149</b>	Field Duplicate	0.08	0.03	-165.52
GOS20-48	256170	<b>256169</b>	Field Duplicate	0.01	0.01	-27.27
GOS20-48	256190	<b>256189</b>	Field Duplicate	0.10	0.16	36.25
GOS20-48	256210	<b>256209</b>	Field Duplicate	0.10	0.12	20.66
GOS20-48	256230	<b>256229</b>	Field Duplicate	0.03	0.05	44.68
GOS20-48	256250	<b>256249</b>	Field Duplicate	0.03	0.02	-52.63
GOS20-48	256270	<b>256269</b>	Field Duplicate	0.01	0.02	66.67
GOS20-48	256290	<b>256289</b>	Field Duplicate	0.11	0.41	74.08
GOS20-48	256310	<b>256309</b>	Field Duplicate	0.24	0.24	0.00
GOS20-48	256330	<b>256329</b>	Field Duplicate	0.622	1.38	54.93
GOS20-48	256350	<b>256349</b>	Field Duplicate	1.387	1.65	15.94
GOS20-48	256370	<b>256369</b>	Field Duplicate	1.985	1.95	-1.79
GOS20-48	256390	<b>256389</b>	Field Duplicate	0.743	0.80	7.13
GOS20-48	256410	<b>256409</b>	Field Duplicate	3.23	2.15	-50.23

GOS20-48	256430	<b>256429</b>	Field Duplicate	0.572	0.17	-236.47
GOS20-48	256450	<b>256449</b>	Field Duplicate	3.63	4.19	13.37
GOS20-49	254510	<b>254509</b>	Field Duplicate	0.13	0.07	-91.43
GOS20-49	254530	<b>254529</b>	Field Duplicate	0.04	0.03	-9.38
GOS20-49	254550	<b>254549</b>	Field Duplicate	0.35	0.26	-35.77
GOS20-49	254570	<b>254569</b>	Field Duplicate	0.32	1.12	71.79
GOS20-49	254590	<b>254589</b>	Field Duplicate	0.73	0.19	-277.72
GOS20-49	254610	<b>254609</b>	Field Duplicate	0.16	0.09	-78.65
GOS20-49	254630	<b>254629</b>	Field Duplicate	6.61	8.19	19.29
GOS20-49	254650	<b>254649</b>	Field Duplicate	2.32	2.67	13.17
GOS20-49	254670	<b>254669</b>	Field Duplicate	0.72	1.03	30.15
GOS20-49	254690	<b>254689</b>	Field Duplicate	0.29	0.28	-2.15
GOS20-49	254710	<b>254709</b>	Field Duplicate	35.90	6.51	-451.46
GOS20-49	254730	<b>254729</b>	Field Duplicate	0.76	0.64	-18.50
GOS20-49	254750	<b>254749</b>	Field Duplicate	0.11	0.01	-657.14
GOS20-49	254770	<b>254769</b>	Field Duplicate	0.01	0.01	58.33
GOS20-49	254790	<b>254789</b>	Field Duplicate	0.02	0.03	32.00
GOS20-49	254810	<b>254809</b>	Field Duplicate	0.20	0.97	79.26
GOS20-49	254830	<b>254829</b>	Field Duplicate	0.21	0.56	62.30
GOS20-49	254850	<b>254849</b>	Field Duplicate	0.03	0.04	23.68
GOS20-49	254870	<b>254869</b>	Field Duplicate	0.14	0.07	-102.94
GOS20-49	254890	<b>254889</b>	Field Duplicate	1.02	1.35	24.01
GOS20-49	254910	<b>254909</b>	Field Duplicate	0.24	0.21	-16.35
GOS20-49	254930	<b>254929</b>	Field Duplicate	0.80	1.19	32.60
GOS20-49	254950	<b>254949</b>	Field Duplicate	0.64	0.85	24.73
GOS20-49	255490	<b>255489</b>	Field Duplicate	0.01	0.01	8.33
GOS20-50	1081510	<b>1081509</b>	Field Duplicate	0.005	0.01	50.00
GOS20-50	1081530	<b>1081529</b>	Field Duplicate	0.295	0.32	7.81
GOS20-50	1081550	<b>1081549</b>	Field Duplicate	0.196	0.06	-226.67
GOS20-50	1081570	<b>1081569</b>	Field Duplicate	0.047	0.1	53.00
GOS20-50	1081590	<b>1081589</b>	Field Duplicate	0.005	0.02	75.00
GOS20-50	1081610	<b>1081609</b>	Field Duplicate	0.336	0.13	-158.46
GOS20-50	1081630	<b>1081629</b>	Field Duplicate	0.173	0.14	-23.57
GOS20-50	1081650	<b>1081649</b>	Field Duplicate	0.09	0.06	-50.00
GOS20-50	1081670	<b>1081669</b>	Field Duplicate	1.812	0.91	-99.12
GOS20-50	1081690	<b>1081689</b>	Field Duplicate	0.13	0.14	7.14
GOS20-50	1081710	<b>1081709</b>	Field Duplicate	0.064	0.1	36.00
GOS20-50	1081730	<b>1081729</b>	Field Duplicate	0.248	0.17	-45.88
GOS20-50	1081750	<b>1081749</b>	Field Duplicate	0.117	0.02	-485.00
GOS20-50	1081770	<b>1081769</b>	Field Duplicate	0.021	0.03	30.00

GOS20-50	1081790	<b>1081789</b>	Field Duplicate	0.207	0.11	-88.18
GOS20-50	1081810	<b>1081809</b>	Field Duplicate	3.49	4.31	19.03
GOS20-50	1081830	<b>1081829</b>	Field Duplicate	0.55	0.25	-120.00
GOS20-50	1081850	<b>1081849</b>	Field Duplicate	0.068	0.03	-126.67
GOS20-50	1081870	<b>1081869</b>	Field Duplicate	0.332	0.37	10.27
GOS20-50	1081890	<b>1081889</b>	Field Duplicate	2.353	0.4	-488.25
GOS20-50	1083470	<b>1083469</b>	Field Duplicate	0.333	0.32	-4.06
GOS20-50	1083490	<b>1083489</b>	Field Duplicate	0.005	0.01	50.00
GOS20-50	256470	<b>256469</b>	Field Duplicate	0.12	0.34	64.71
GOS20-50	256490	<b>256489</b>	Field Duplicate	0.111	0.17	34.71
GOS20-51	254970	<b>254969</b>	Field Duplicate	0.009	0.005	-80.00
GOS20-51	254990	<b>254989</b>	Field Duplicate	0.088	0.083	-6.02
GOS20-51	256510	<b>256509</b>	Field Duplicate	0.259	0.226	-14.60
GOS20-51	256530	<b>256529</b>	Field Duplicate	0.034	0.033	-3.03
GOS20-51	256550	<b>256549</b>	Field Duplicate	0.035	0.032	-9.38
GOS20-51	256570	<b>256569</b>	Field Duplicate	0.053	0.039	-35.90
GOS20-51	256590	<b>256589</b>	Field Duplicate	0.005	0.007	28.57
GOS20-51	256610	<b>256609</b>	Field Duplicate	0.253	1.374	81.59
GOS20-51	256630	<b>256629</b>	Field Duplicate	0.028	0.049	42.86
GOS20-51	256650	<b>256649</b>	Field Duplicate	0.042	0.03	-40.00
GOS20-51	256670	<b>256669</b>	Field Duplicate	0.342	11.4	97.00
GOS20-51	256690	<b>256689</b>	Field Duplicate	0.099	0.141	29.79
GOS20-51	256710	<b>256709</b>	Field Duplicate	0.011	0.021	47.62
GOS20-51	256730	<b>256729</b>	Field Duplicate	0.005	0.045	88.89
GOS20-51	256750	<b>256749</b>	Field Duplicate	0.135	0.114	-18.42
GOS20-51	256770	<b>256769</b>	Field Duplicate	0.817	2.294	64.39
GOS20-51	256790	<b>256789</b>	Field Duplicate	0.195	0.271	28.04
GOS20-51	256810	<b>256809</b>	Field Duplicate	0.241	0.233	-3.43
GOS20-51	256830	<b>256829</b>	Field Duplicate	0.362	0.224	-61.61
GOS20-51	256850	<b>256849</b>	Field Duplicate	0.6	0.287	-109.06
GOS20-52	260010	<b>260009</b>	Field Duplicate	0.051	0.053	3.77
GOS20-52	260030	<b>260029</b>	Field Duplicate	0.785	0.394	-99.24
GOS20-52	260050	<b>260049</b>	Field Duplicate	1.398	1.78	21.46
GOS20-52	260070	<b>260069</b>	Field Duplicate	4.55	2.988	-52.28
GOS20-52	260090	<b>260089</b>	Field Duplicate	0.173	0.243	28.81
GOS20-52	260110	<b>260109</b>	Field Duplicate	0.49	0.889	44.88
GOS20-52	260130	<b>260129</b>	Field Duplicate	0.009	0.01	10.00
GOS20-52	260150	<b>260149</b>	Field Duplicate	0.069	0.06	-15.00
GOS20-52	260170	<b>260169</b>	Field Duplicate	0.168	0.185	9.19
GOS20-52	260190	<b>260189</b>	Field Duplicate	0.033	0.045	26.67
GOS20-52	260210	<b>260209</b>	Field Duplicate	0.085	0.062	-37.10
GOS20-52	260230	<b>260229</b>	Field Duplicate	0.006	0.01	40.00
GOS20-52	260250	<b>260249</b>	Field Duplicate	0.301	0.128	-135.16
GOS20-52	260270	<b>260269</b>	Field Duplicate	0.211	0.244	13.52
GOS20-52	260290	<b>260289</b>	Field Duplicate	0.014	0.018	22.22
GOS20-52	260310	<b>260309</b>	Field Duplicate	0.03	0.037	18.92
GOS20-52	260330	<b>260329</b>	Field Duplicate	0.114	0.069	-65.22

GOS20-52	260350	<b>260349</b>	Field Duplicate	0.581	0.095	-511.58
GOS20-52	260370	<b>260369</b>	Field Duplicate	0.696	2.169	67.91
GOS20-52	260390	<b>260389</b>	Field Duplicate	1.205	1.428	15.62
GOS20-52	260410	<b>260409</b>	Field Duplicate	1.418	0.397	-257.18
GOS20-52	260430	<b>260429</b>	Field Duplicate	0.049	0.088	44.32
GOS20-52	260450	<b>260449</b>	Field Duplicate	0.97	0.301	-222.26
GOS20-53	256870	<b>256869</b>	Field Duplicate	0.033	0.031	-6.45
GOS20-53	256890	<b>256889</b>	Field Duplicate	0.157	0.138	-13.77
GOS20-53	256910	<b>256909</b>	Field Duplicate	0.166	0.131	-26.72
GOS20-53	256930	<b>256929</b>	Field Duplicate	0.005	0.005	0.00
GOS20-53	256950	<b>256949</b>	Field Duplicate	0.013	0.011	-18.18
GOS20-53	256970	<b>256969</b>	Field Duplicate	0.092	0.093	1.08
GOS20-53	256990	<b>256989</b>	Field Duplicate	0.024	0.02	-20.00
GOS20-53	258510	<b>258509</b>	Field Duplicate	0.083	0.059	-40.68
GOS20-53	258530	<b>258529</b>	Field Duplicate	0.018	0.015	-20.00
GOS20-53	258550	<b>258549</b>	Field Duplicate	0.951	0.888	-7.09
GOS20-53	258570	<b>258569</b>	Field Duplicate	0.667	0.365	-82.74
GOS20-53	258590	<b>258589</b>	Field Duplicate	0.123	0.991	87.59
GOS20-53	258610	<b>258608</b>	Field Duplicate	1.222	0.89	-37.30
GOS20-53	258630	<b>258629</b>	Field Duplicate	0.121	1.268	90.46
GOS20-53	258650	<b>258649</b>	Field Duplicate	1.426	1.21	-17.85
GOS20-53	258670	<b>258669</b>	Field Duplicate	0.445	0.36	-23.61
GOS20-53	260470	<b>260469</b>	Field Duplicate	0.008	0.006	-33.33
GOS20-53	260490	<b>260489</b>	Field Duplicate	0.005	0.005	0.00
GOS20-53	1076370	<b>1076369</b>	Field Duplicate	0.061	0.051	-19.61
GOS20-53	1076390	<b>1076389</b>	Field Duplicate	0.218	0.334	34.73
GOS20-53	1076410	<b>1076409</b>	Field Duplicate	0.404	0.679	40.50
GOS20-53	1076430	<b>1076429</b>	Field Duplicate	0.179	0.259	30.89
GOS20-53	1076450	<b>1076449</b>	Field Duplicate	0.019	0.015	-26.67
GOS20-53	1076470	<b>1076469</b>	Field Duplicate	0.587	0.045	-1204.44
GOS20-53	1076490	<b>1076489</b>	Field Duplicate	0.005	0.005	0.00
GOS20-54	259510	<b>259509</b>	Field Duplicate	0.085	0.071	-19.72
GOS20-54	259530	<b>259529</b>	Field Duplicate	0.347	0.362	4.14
GOS20-54	259550	<b>259549</b>	Field Duplicate	0.105	0.118	11.02
GOS20-54	259570	<b>259569</b>	Field Duplicate	0.477	0.744	35.89
GOS20-54	259590	<b>259589</b>	Field Duplicate	0.074	0.283	73.85
GOS20-54	259610	<b>259609</b>	Field Duplicate	0.093	0.07	-32.86
GOS20-54	259630	<b>259629</b>	Field Duplicate	0.005	0.005	0.00
GOS20-54	259650	<b>259649</b>	Field Duplicate	0.053	0.05	-6.00
GOS20-54	259670	<b>259669</b>	Field Duplicate	0.045	0.051	11.76
GOS20-54	259690	<b>259689</b>	Field Duplicate	0.553	0.492	-12.40
GOS20-54	259710	<b>259709</b>	Field Duplicate	0.184	0.348	47.13
GOS20-54	259730	<b>259729</b>	Field Duplicate	0.025	0.03	16.67
GOS20-54	259750	<b>259749</b>	Field Duplicate	0.015	0.018	16.67
GOS20-54	259771	<b>259770</b>	Field Duplicate	0.154	0.127	-21.26
GOS20-54	259790	<b>259789</b>	Field Duplicate	0.053	0.06	11.67
GOS20-55	257010	<b>257009</b>	Field Duplicate	0.034	0.112	69.64

GOS20-55	257030	<b>257029</b>	Field Duplicate	0.498	0.057	-773.68
GOS20-55	257050	<b>257049</b>	Field Duplicate	0.049	0.031	-58.06
GOS20-55	257070	<b>257069</b>	Field Duplicate	0.285	0.303	5.94
GOS20-55	257090	<b>257089</b>	Field Duplicate	0.66	0.317	-108.20
GOS20-55	257110	<b>257109</b>	Field Duplicate	0.404	0.091	-343.96
GOS20-55	257130	<b>257129</b>	Field Duplicate	0.011	0.007	-57.14
GOS20-55	257150	<b>257149</b>	Field Duplicate	0.005	0.074	93.24
GOS20-55	257170	<b>257169</b>	Field Duplicate	0.468	0.618	24.27
GOS20-55	257190	<b>257189</b>	Field Duplicate	0.678	0.115	-489.57
GOS20-55	257210	<b>257209</b>	Field Duplicate	0.005	0.005	0.00
GOS20-55	257230	<b>257229</b>	Field Duplicate	1.104	1.24	10.97
GOS20-55	257250	<b>257249</b>	Field Duplicate	0.415	0.398	-4.27
GOS20-55	257270	<b>257269</b>	Field Duplicate	0.2	0.113	-76.99
GOS20-55	257290	<b>257289</b>	Field Duplicate	0.26	0.231	-12.55
GOS20-55	257310	<b>257309</b>	Field Duplicate	0.505	4.53	88.85
GOS20-55	257330	<b>257329</b>	Field Duplicate	0.045	0.041	-9.76
GOS20-55	257350	<b>257349</b>	Field Duplicate	0.037	0.077	51.95
GOS20-55	257370	<b>257369</b>	Field Duplicate	0.151	0.177	14.69
GOS20-55	257390	<b>257389</b>	Field Duplicate	2.8	4.26	34.27
GOS20-55	257410	<b>257409</b>	Field Duplicate	0.794	0.564	-40.78
GOS20-55	257430	<b>257429</b>	Field Duplicate	4.23	0.804	-426.12
GOS20-55	257450	<b>257449</b>	Field Duplicate	0.15	0.094	-59.57
GOS20-55	257470	<b>257469</b>	Field Duplicate	0.738	0.304	-142.76
GOS20-55	257490	<b>257489</b>	Field Duplicate	0.135	0.111	-21.62
GOS20-56	259010	<b>259009</b>	Field Duplicate	0.179	0.105	-70.48
GOS20-56	259030	<b>259029</b>	Field Duplicate	0.073	0.058	-25.86
GOS20-56	259050	<b>259049</b>	Field Duplicate	0.526	0.287	-83.28
GOS20-56	259070	<b>259069</b>	Field Duplicate	0.385	0.341	-12.90
GOS20-56	259090	<b>259089</b>	Field Duplicate	0.115	0.07	-64.29
GOS20-56	259110	<b>259109</b>	Field Duplicate	0.081	0.068	-19.12
GOS20-56	259130	<b>259129</b>	Field Duplicate	0.403	1.573	74.38
GOS20-56	259150	<b>259149</b>	Field Duplicate	0.072	0.068	-5.88
GOS20-56	259170	<b>259169</b>	Field Duplicate	0.463	0.642	27.88
GOS20-56	259190	<b>259189</b>	Field Duplicate	0.265	0.271	2.21
GOS20-56	259210	<b>259209</b>	Field Duplicate	0.805	0.874	7.89
GOS20-56	259230	<b>259229</b>	Field Duplicate	0.438	0.399	-9.77
GOS20-56	259250	<b>259249</b>	Field Duplicate	0.252	0.073	-245.21
GOS20-56	259270	<b>259269</b>	Field Duplicate	0.157	0.129	-21.71
GOS20-56	259290	<b>259289</b>	Field Duplicate	0.172	0.495	65.25
GOS20-56	259310	<b>259309</b>	Field Duplicate	0.472	0.411	-14.84
GOS20-56	259330	<b>259329</b>	Field Duplicate	0.332	0.496	33.06
GOS20-56	259350	<b>259349</b>	Field Duplicate	0.394	0.847	53.48
GOS20-56	259370	<b>259369</b>	Field Duplicate	0.197	0.292	32.53
GOS20-56	259390	<b>259389</b>	Field Duplicate	0.393	0.086	-356.98
GOS20-56	259410	<b>259409</b>	Field Duplicate	2.4	0.565	-324.78
GOS20-56	259430	<b>259429</b>	Field Duplicate	0.396	0.44	10.00
GOS20-56	259450	<b>259249</b>	Field Duplicate	0.328	0.073	-349.32

GOS20-56	259470	<b>259269</b>	Field Duplicate	1.262	0.129	-878.29
GOS20-57	257510	<b>257509</b>	Field Duplicate	0.028	0.085	67.06
GOS20-57	257530	<b>257529</b>	Field Duplicate	0.119	1.323	91.01
GOS20-57	257550	<b>257549</b>	Field Duplicate	0.073	0.037	-97.30
GOS20-57	257570	<b>257569</b>	Field Duplicate	0.261	0.378	30.95
GOS20-57	257590	<b>257589</b>	Field Duplicate	0.321	0.12	-167.50
GOS20-57	257610	<b>257609</b>	Field Duplicate	0.67	0.091	-636.26
GOS20-57	257630	<b>257629</b>	Field Duplicate	0.114	0.138	17.39
GOS20-57	257650	<b>257649</b>	Field Duplicate	0.304	0.466	34.76
GOS20-57	257670	<b>257669</b>	Field Duplicate	0.005	0.005	0.00
GOS20-57	257690	<b>257689</b>	Field Duplicate	0.005	0.006	16.67
GOS20-57	257710	<b>257709</b>	Field Duplicate	0.172	0.097	-77.32
GOS20-57	257730	<b>257729</b>	Field Duplicate	0.309	0.676	54.29
GOS20-57	257750	<b>257749</b>	Field Duplicate	0.043	0.034	-26.47
GOS20-57	257770	<b>257769</b>	Field Duplicate	0.415	0.371	-11.86
GOS20-57	257790	<b>257789</b>	Field Duplicate	0.005	0.005	0.00
GOS20-57	257810	<b>257809</b>	Field Duplicate	0.906	0.722	-25.48
GOS20-57	257830	<b>257829</b>	Field Duplicate	0.301	0.333	9.61
GOS20-57	257850	<b>257849</b>	Field Duplicate	0.23	0.337	31.75
GOS20-57	257870	<b>257869</b>	Field Duplicate	0.056	0.058	3.45
GOS20-57	257890	<b>257889</b>	Field Duplicate	0.044	0.014	-214.29
GOS20-57	257910	<b>257909</b>	Field Duplicate	0.109	0.119	8.40
GOS20-57	257930	<b>257929</b>	Field Duplicate	0.013	0.016	18.75
GOS20-57	257950	<b>257949</b>	Field Duplicate	0.005	0.005	0.00
GOS20-58	258010	<b>258009</b>	Field Duplicate	0.104	0.209	50.24
GOS20-58	258030	<b>258029</b>	Field Duplicate	0.404	0.396	-2.02
GOS20-58	258050	<b>258049</b>	Field Duplicate	0.773	0.377	-105.04
GOS20-58	258070	<b>258069</b>	Field Duplicate	0.18	0.388	53.61
GOS20-58	258090	<b>258089</b>	Field Duplicate	0.005	0.008	37.50
GOS20-58	258110	<b>258109</b>	Field Duplicate	0.286	0.374	23.53
GOS20-58	258130	<b>258129</b>	Field Duplicate	0.22	0.116	-89.66
GOS20-58	258150	<b>258149</b>	Field Duplicate	0.005	0.005	0.00
GOS20-58	258170	<b>258169</b>	Field Duplicate	0.005	0.005	0.00
GOS20-58	258190	<b>258189</b>	Field Duplicate	0.005	0.005	0.00
GOS20-58	258210	<b>258209</b>	Field Duplicate	0.37	0.029	-1175.86
GOS20-58	258230	<b>258229</b>	Field Duplicate	0.005	0.005	0.00
GOS20-58	258250	<b>258249</b>	Field Duplicate	0.166	0.13	-27.69
GOS20-58	258270	<b>258269</b>	Field Duplicate	0.044	0.043	-2.33
GOS20-58	258290	<b>258289</b>	Field Duplicate	0.005	0.021	76.19
GOS20-58	258310	<b>258309</b>	Field Duplicate	0.035	0.01	-250.00
GOS20-58	258330	<b>258329</b>	Field Duplicate	0.005	0.005	0.00
GOS20-58	258350	<b>258349</b>	Field Duplicate	0.037	0.023	-60.87
GOS20-58	258370	<b>258369</b>	Field Duplicate	0.005	0.005	0.00
GOS20-58	258390	<b>258389</b>	Field Duplicate	0.005	0.005	0.00
GOS20-58	258410	<b>258409</b>	Field Duplicate	0.009	0.006	-50.00
GOS20-58	258430	<b>258429</b>	Field Duplicate	0.005	0.005	0.00
GOS20-58	258450	<b>258449</b>	Field Duplicate	0.005	0.005	0.00

GOS20-58	258470	<b>258469</b>	Field Duplicate	0.436	0.178	-144.94
GOS20-59	258490	<b>258489</b>	Field Duplicate	0.063	0.072	12.50
GOS20-59	258710	<b>258709</b>	Field Duplicate	0.021	0.032	34.38
GOS20-59	258730	<b>258729</b>	Field Duplicate	0.042	0.105	60.00
GOS20-59	258750	<b>258749</b>	Field Duplicate	0.089	0.131	32.06
GOS20-59	258770	<b>258769</b>	Field Duplicate	0.082	0.079	-3.80
GOS20-59	258790	<b>258789</b>	Field Duplicate	0.388	0.31	-25.16
GOS20-59	258810	<b>258809</b>	Field Duplicate	0.018	0.017	-5.88
GOS20-59	258830	<b>258829</b>	Field Duplicate	0.023	0.023	0.00
GOS20-59	258850	<b>258849</b>	Field Duplicate	1.378	0.197	-599.49
GOS20-59	258870	<b>258869</b>	Field Duplicate	0.02	0.09	77.78
GOS20-59	258890	<b>258889</b>	Field Duplicate	0.032	0.066	51.52
GOS20-59	258910	<b>258909</b>	Field Duplicate	0.951	1.473	35.44
GOS20-59	258930	<b>258929</b>	Field Duplicate	0.011	0.032	65.63
GOS20-59	258950	<b>258949</b>	Field Duplicate	0.02	0.007	-185.71
GOS20-59	258970	<b>258969</b>	Field Duplicate	0.305	0.414	26.33
GOS20-59	258990	<b>258989</b>	Field Duplicate	0.05	0.066	24.24
GOS20-59	259810	<b>259809</b>	Field Duplicate	0.005	0.005	0.00
GOS20-59	259830	<b>259829</b>	Field Duplicate	0.017	0.019	10.53
GOS20-59	259850	<b>259849</b>	Field Duplicate	2.025	2.032	0.34
GOS20-59	259870	<b>259869</b>	Field Duplicate	0.097	0.123	21.14
GOS20-59	259890	<b>259889</b>	Field Duplicate	0.051	0.052	1.92
GOS20-59	259910	<b>259909</b>	Field Duplicate	0.025	0.028	10.71
GOS20-59	259930	<b>259929</b>	Field Duplicate	0.005	0.005	0.00
GOS20-59	259950	<b>259949</b>	Field Duplicate	0.142	0.169	15.98
GOS20-59	259970	<b>259969</b>	Field Duplicate	0.005	0.005	0.00
GOS20-59	259990	<b>259989</b>	Field Duplicate	0.08	0.046	-73.91
GOS20-60	261010	<b>261009</b>	Field Duplicate	0.273	0.073	-273.97
GOS20-60	261030	<b>261029</b>	Field Duplicate	2.006	0.013	-15330.77
GOS20-60	261050	<b>261049</b>	Field Duplicate	0.555	0.431	-28.77
GOS20-60	261070	<b>261069</b>	Field Duplicate	0.2	0.267	25.09
GOS20-60	261090	<b>261089</b>	Field Duplicate	0.133	0.117	-13.68
GOS20-60	261110	<b>261109</b>	Field Duplicate	0.198	0.463	57.24
GOS20-60	261130	<b>261129</b>	Field Duplicate	0.032	0.031	-3.23
GOS20-60	261150	<b>261149</b>	Field Duplicate	0.064	0.05	-28.00
GOS20-60	261170	<b>261169</b>	Field Duplicate	1.953	0.43	-354.19
GOS20-60	261190	<b>261189</b>	Field Duplicate	0.025	0.161	84.47
GOS20-60	261210	<b>261209</b>	Field Duplicate	0.085	0.198	57.07
GOS20-60	261230	<b>261229</b>	Field Duplicate	0.034	0.062	45.16
GOS20-60	261250	<b>261249</b>	Field Duplicate	0.236	0.222	-6.31
GOS20-60	261270	<b>261269</b>	Field Duplicate	0.005	0.011	54.55
GOS20-60	261290	<b>261289</b>	Field Duplicate	0.092	0.054	-70.37
GOS20-60	261310	<b>261309</b>	Field Duplicate	0.018	0.015	-20.00
GOS20-60	261330	<b>261329</b>	Field Duplicate	0.019	0.037	48.65
GOS20-60	261350	<b>261349</b>	Field Duplicate	0.041	0.032	-28.13
GOS20-60	261370	<b>261369</b>	Field Duplicate	0.017	0.028	39.29
GOS20-60	261390	<b>261389</b>	Field Duplicate	2.97	0.114	-2505.26

GOS20-60	261410	<b>261409</b>	Field Duplicate	0.006	0.006	0.00
GOS20-60	261430	<b>261429</b>	Field Duplicate	0.066	0.011	-500.00
GOS20-60	261450	<b>261449</b>	Field Duplicate	0.005	0.005	0.00
GOS20-60	261470	<b>261469</b>	Field Duplicate	0.058	0.044	-31.82
GOS20-61	261510	<b>261509</b>	Field Duplicate	0.038	0.061	37.70
GOS20-61	261530	<b>261529</b>	Field Duplicate	0.49	0.019	-2478.95
GOS20-61	261550	<b>261549</b>	Field Duplicate	0.028	0.057	50.88
GOS20-61	261570	<b>261569</b>	Field Duplicate	0.006	0.01	40.00
GOS20-61	261590	<b>261589</b>	Field Duplicate	13.4	11.3	-18.58
GOS20-61	261610	<b>261609</b>	Field Duplicate	0.029	0.527	94.50
GOS20-61	261630	<b>261629</b>	Field Duplicate	0.006	0.005	-20.00
GOS20-61	261650	<b>261649</b>	Field Duplicate	0.013	0.012	-8.33
GOS20-61	261670	<b>261669</b>	Field Duplicate	0.022	0.682	96.77
GOS20-61	261690	<b>261689</b>	Field Duplicate	0.017	0.026	34.62
GOS20-61	261710	<b>261709</b>	Field Duplicate	0.046	0.031	-48.39
GOS20-61	261730	<b>261729</b>	Field Duplicate	0.025	0.058	56.90
GOS20-61	261750	<b>261749</b>	Field Duplicate	0.103	0.153	32.68
GOS20-61	261770	<b>261769</b>	Field Duplicate	0.006	0.015	60.00
GOS20-61	261790	<b>261789</b>	Field Duplicate	0.111	0.123	9.76
GOS20-61	261810	<b>261809</b>	Field Duplicate	0.039	0.055	29.09
GOS20-61	261830	<b>261829</b>	Field Duplicate	0.359	0.368	2.45
GOS20-61	261850	<b>261849</b>	Field Duplicate	0.023	0.039	41.03
GOS20-61	261870	<b>261869</b>	Field Duplicate	0.007	0.012	41.67
GOS20-61	261890	<b>261889</b>	Field Duplicate	0.005	0.005	0.00
GOS20-61	261910	<b>261909</b>	Field Duplicate	0.013	0.017	23.53
GOS20-61	261930	<b>261929</b>	Field Duplicate	0.025	0.076	67.11
GOS20-61	261950	<b>261949</b>	Field Duplicate	0.051	0.038	-34.21
GOS20-61	261970	<b>261969</b>	Field Duplicate	0.011	0.014	21.43
GOS20-62	260510	<b>260509</b>	Field Duplicate	0.061	0.005	-1120.00
GOS20-62	260530	<b>260529</b>	Field Duplicate	0.03	0.02	-50.00
GOS20-62	260550	<b>260558</b>	Field Duplicate	0.011	0.036	69.44
GOS20-62	260570	<b>260569</b>	Field Duplicate	0.078	0.088	11.36
GOS20-62	260590	<b>260589</b>	Field Duplicate	1.335	2.514	46.90
GOS20-62	260610	<b>260609</b>	Field Duplicate	0.096	0.142	32.39
GOS20-62	260630	<b>260629</b>	Field Duplicate	0.037	0.052	28.85
GOS20-62	260650	<b>260649</b>	Field Duplicate	0.032	0.019	-68.42
GOS20-62	260670	<b>260669</b>	Field Duplicate	0.103	0.023	-347.83
GOS20-62	260690	<b>260689</b>	Field Duplicate	0.044	0.022	-100.00
GOS20-62	260710	<b>260709</b>	Field Duplicate	0.007	0.496	98.59
GOS20-62	260730	<b>260729</b>	Field Duplicate	0.084	0.037	-127.03
GOS20-62	260750	<b>260749</b>	Field Duplicate	0.005	0.005	0.00
GOS20-62	260770	<b>260769</b>	Field Duplicate	0.013	0.008	-62.50
GOS20-62	260790	<b>260789</b>	Field Duplicate	0.583	0.442	-31.90
GOS20-62	260810	<b>260809</b>	Field Duplicate	1.108	0.902	-22.84
GOS20-62	260830	<b>260829</b>	Field Duplicate	0.339	0.293	-15.70
GOS20-62	260850	<b>260849</b>	Field Duplicate	0.112	0.076	-47.37
GOS20-62	260870	<b>260869</b>	Field Duplicate	0.09	0.073	-23.29



GOS20-62	260890	<b>260889</b>	Field Duplicate	0.041	0.049	16.33
GOS20-62	260910	<b>260909</b>	Field Duplicate	0.076	0.149	48.99
GOS20-62	260930	<b>260929</b>	Field Duplicate	0.017	0.005	-240.00
GOS20-62	260950	<b>260949</b>	Field Duplicate	0.018	0.006	-200.00
GOS20-62	260970	<b>260969</b>	Field Duplicate	0.013	0.777	98.33
GOS20-62	260990	<b>260989</b>	Field Duplicate	0.012	0.007	-71.43

Hole_ID	QC_Sample_No	QC_Type	Standard	AU_FINAL_GPT	Mean	UCL (3sd)	LCL(3sd)	Pass or Fail	SD
GOS19-30	811584	Standard	OREAS 501c	0.229	0.222	0.246	0.198	pass	0.008
GOS19-30	811684	Standard	OREAS 501c	0.223	0.222	0.246	0.198	pass	
GOS19-30	811784	Standard	OREAS 501c	0.225	0.222	0.246	0.198	pass	
GOS19-30	811884	Standard	OREAS 501c	0.217	0.222	0.246	0.198	pass	
GOS19-30	811984	Standard	OREAS 501c	0.223	0.222	0.246	0.198	pass	
GOS19-30	1082084	Standard	OREAS 501c	0.231	0.222	0.246	0.198	pass	
GOS19-31	810584	Standard	OREAS 501c	0.216	0.222	0.246	0.198	pass	
GOS19-31	810684	Standard	OREAS 501c	0.220	0.222	0.246	0.198	pass	
GOS19-31	810784	Standard	OREAS 501c	0.230	0.222	0.246	0.198	pass	
GOS19-31	810836	Standard	OREAS 501c	0.475	0.222	0.246	0.198	fail	
GOS19-31	810884	Standard	OREAS 501c	0.218	0.222	0.246	0.198	pass	
GOS19-32	1082184	Standard	OREAS 501c	0.217	0.222	0.246	0.198	pass	
GOS19-32	1082284	Standard	OREAS 501c	0.221	0.222	0.246	0.198	pass	
GOS19-32	1082384	Standard	OREAS 501c	0.216	0.222	0.246	0.198	pass	
GOS19-32	1082484	Standard	OREAS 501c	0.215	0.222	0.246	0.198	pass	
GOS19-32	1082584	Standard	OREAS 501c	0.221	0.222	0.246	0.198	pass	
GOS19-33	1083585	Standard	OREAS 501c	0.219	0.222	0.246	0.198	pass	
GOS19-33	1083684	Standard	OREAS 501c	0.220	0.222	0.246	0.198	pass	
GOS19-33	1083784	Standard	OREAS 501c	0.225	0.222	0.246	0.198	pass	
GOS19-33	1083884	Standard	OREAS 501c	0.223	0.222	0.246	0.198	pass	
GOS19-33	1083984	Standard	OREAS 501c	0.217	0.222	0.246	0.198	pass	
GOS20-34	455084	Standard	OREAS 501c	0.240	0.222	0.246	0.198	pass	
GOS20-34	455136	Standard	OREAS 501c	0.513	0.222	0.246	0.198	fail	
GOS20-34	858284	Standard	OREAS 501c	0.216	0.222	0.246	0.198	pass	
GOS20-34	858384	Standard	OREAS 501c	0.221	0.222	0.246	0.198	pass	
GOS20-34	858484	Standard	OREAS 501c	0.228	0.222	0.246	0.198	pass	
GOS20-35	1075084	Standard	OREAS 501c	0.224	0.222	0.246	0.198	pass	
GOS20-35	1075184	Standard	OREAS 501c	0.232	0.222	0.246	0.198	pass	
GOS20-35	1075284	Standard	OREAS 501c	0.224	0.222	0.246	0.198	pass	
GOS20-35	1075384	Standard	OREAS 501c	0.233	0.222	0.246	0.198	pass	
GOS20-36	1079084	Standard	OREAS 501c	0.220	0.222	0.246	0.198	pass	
GOS20-36	1079184	Standard	OREAS 501c	0.226	0.222	0.246	0.198	pass	
GOS20-36	1079284	Standard	OREAS 501c	0.221	0.222	0.246	0.198	pass	
GOS20-36	1079384	Standard	OREAS 501c	0.224	0.222	0.246	0.198	pass	
GOS20-36	1079484	Standard	OREAS 501c	0.232	0.222	0.246	0.198	pass	
GOS20-46	255560	Standard	OREAS 501c	0.221	0.222	0.246	0.198	pass	
GOS20-46	255684	Standard	OREAS 501c	0.232	0.222	0.246	0.198	pass	
GOS20-46	255784	Standard	OREAS 501c	0.227	0.222	0.246	0.198	pass	
GOS20-46	255884	Standard	OREAS 501c	0.229	0.222	0.246	0.198	pass	
GOS20-46	255984	Standard	OREAS 501c	0.216	0.222	0.246	0.198	pass	
GOS20-47	255360	Standard	OREAS 501c	0.221	0.222	0.246	0.198	pass	
GOS20-47	255460	Standard	OREAS 501c	0.214	0.222	0.246	0.198	pass	
GOS20-47	255060	Standard	OREAS 501c	0.226	0.222	0.246	0.198	pass	
GOS20-47	255160	Standard	OREAS 501c	0.225	0.222	0.246	0.198	pass	
GOS20-47	255260	Standard	OREAS 501c	0.22	0.222	0.246	0.198	pass	
GOS20-48	256060	Standard	OREAS 501c	0.217	0.222	0.246	0.198	pass	

GOS20-48	256160	Standard	OREAS 501c	0.216	0.222	0.246	0.198	pass
GOS20-48	256260	Standard	OREAS 501c	0.217	0.222	0.246	0.198	pass
GOS20-48	256360	Standard	OREAS 501c	0.229	0.222	0.246	0.198	pass
GOS20-48	256460	Standard	OREAS 501c	0.222	0.222	0.246	0.198	pass
GOS20-49	254560	Standard	OREAS 501c	0.225	0.222	0.246	0.198	pass
GOS20-49	254660	Standard	OREAS 501c	1.385	0.222	0.246	0.198	fail
GOS20-49	254760	Standard	OREAS 501c	0.219	0.222	0.246	0.198	pass
GOS20-49	254860	Standard	OREAS 501c	0.217	0.222	0.246	0.198	pass
GOS20-49	254960	Standard	OREAS 501c	0.24	0.222	0.246	0.198	pass
GOS20-50	1081560	Standard	OREAS 501c	1.436	0.222	0.246	0.198	fail
GOS20-50	1081660	Standard	OREAS 501c	0.214	0.222	0.246	0.198	pass
GOS20-50	1081760	Standard	OREAS 501c	0.221	0.222	0.246	0.198	pass
GOS20-50	1081860	Standard	OREAS 501c	0.21	0.222	0.246	0.198	pass
GOS20-50	1083460	Standard	OREAS 501c	0.209	0.222	0.246	0.198	pass
GOS20-37	1080084	Standard	OREAS 501c	0.219	0.222	0.246	0.198	pass
GOS20-37	455184	Standard	OREAS 501c	0.234	0.222	0.246	0.198	pass
GOS20-37	455284	Standard	OREAS 501c	0.226	0.222	0.246	0.198	pass
GOS20-37	455384	Standard	OREAS 501c	0.226	0.222	0.246	0.198	pass
GOS20-37	455484	Standard	OREAS 501c	0.227	0.222	0.246	0.198	pass
GOS20-37	842284	Standard	OREAS 501c	0.227	0.222	0.246	0.198	pass
GOS20-38	1077084	Standard	OREAS 501c	0.228	0.222	0.246	0.198	pass
GOS20-38	1077184	Standard	OREAS 501c	0.233	0.222	0.246	0.198	pass
GOS20-38	1077284	Standard	OREAS 501c	0.227	0.222	0.246	0.198	pass
GOS20-38	1077384	Standard	OREAS 501c	0.227	0.222	0.246	0.198	pass
GOS20-39	1075584	Standard	OREAS 501c	0.216	0.222	0.246	0.198	pass
GOS20-39	1075684	Standard	OREAS 501c	0.244	0.222	0.246	0.198	pass
GOS20-40	1079584	Standard	OREAS 501c	0.221	0.222	0.246	0.198	pass
GOS20-40	1079684	Standard	OREAS 501c	0.218	0.222	0.246	0.198	pass
GOS20-40	1079784	Standard	OREAS 501c	0.209	0.222	0.246	0.198	pass
GOS20-40	1079884	Standard	OREAS 501c	0.213	0.222	0.246	0.198	pass
GOS20-40	1079984	Standard	OREAS 501c	0.22	0.222	0.246	0.198	pass
GOS20-41	1078084	Standard	OREAS 501c	0.214	0.222	0.246	0.198	pass
GOS20-41	1078184	Standard	OREAS 501c	0.213	0.222	0.246	0.198	pass
GOS20-41	1078284	Standard	OREAS 501c	0.211	0.222	0.246	0.198	pass
GOS20-41	1078384	Standard	OREAS 501c	0.215	0.222	0.246	0.198	pass
GOS20-41	1078484	Standard	OREAS 501c	0.217	0.222	0.246	0.198	pass
GOS20-42	1083085	Standard	OREAS 501c	0.234	0.222	0.246	0.198	pass
GOS20-42	1083184	Standard	OREAS 501c	0.222	0.222	0.246	0.198	pass
GOS20-42	1083284	Standard	OREAS 501c	0.218	0.222	0.246	0.198	pass
GOS20-42	1083384	Standard	OREAS 501c	0.212	0.222	0.246	0.198	pass
GOS20-43	1075784	Standard	OREAS 501c	0.204	0.222	0.246	0.198	pass
GOS20-43	1075884	Standard	OREAS 501c	0.21	0.222	0.246	0.198	pass
GOS20-43	1075984	Standard	OREAS 501c	0.201	0.222	0.246	0.198	pass
GOS20-43	1076084	Standard	OREAS 501c	0.216	0.222	0.246	0.198	pass
GOS20-43	1076184	Standard	OREAS 501c	0.215	0.222	0.246	0.198	pass
GOS20-44	1084584	Standard	OREAS 501c	0.213	0.222	0.246	0.198	pass
GOS20-44	1084684	Standard	OREAS 501c	0.209	0.222	0.246	0.198	pass

GOS20-44	1084784	Standard	OREAS 501c	0.211	0.222	0.246	0.198	pass
GOS20-44	1084884	Standard	OREAS 501c	0.221	0.222	0.246	0.198	pass
GOS20-44	1084984	Standard	OREAS 501c	0.206	0.222	0.246	0.198	pass
GOS20-45	784984	Standard	OREAS 501c	0.199	0.222	0.246	0.198	pass
GOS20-51	256860	Standard	OREAS 501c	0.223	0.222	0.246	0.198	pass
GOS20-51	256560	Standard	OREAS 501c	0.227	0.222	0.246	0.198	pass
GOS20-51	256660	Standard	OREAS 501c	0.226	0.222	0.246	0.198	pass
GOS20-51	256760	Standard	OREAS 501c	0.224	0.222	0.246	0.198	pass
GOS20-52	260060	Standard	OREAS 501c	0.223	0.222	0.246	0.198	pass
GOS20-52	260160	Standard	OREAS 501c	0.212	0.222	0.246	0.198	pass
GOS20-52	260260	Standard	OREAS 501c	0.23	0.222	0.246	0.198	pass
GOS20-52	260360	Standard	OREAS 501c	0.222	0.222	0.246	0.198	pass
GOS20-52	260460	Standard	OREAS 501c	0.213	0.222	0.246	0.198	pass
GOS20-53	1076360	Standard	OREAS 501c	0.22	0.222	0.246	0.198	pass
GOS20-53	1076460	Standard	OREAS 501c	0.222	0.222	0.246	0.198	pass
GOS20-53	256960	Standard	OREAS 501c	0.256	0.222	0.246	0.198	fail
GOS20-53	258560	Standard	OREAS 501c	0.24	0.222	0.246	0.198	pass
GOS20-53	258660	Standard	OREAS 501c	0.23	0.222	0.246	0.198	pass
GOS20-54	259560	Standard	OREAS 501c	0.23	0.222	0.246	0.198	pass
GOS20-54	259660	Standard	OREAS 501c	0.234	0.222	0.246	0.198	pass
GOS20-54	259760	Standard	OREAS 501c	0.224	0.222	0.246	0.198	pass
GOS20-55	257060	Standard	OREAS 501c	0.228	0.222	0.246	0.198	pass
GOS20-55	257160	Standard	OREAS 501c	0.231	0.222	0.246	0.198	pass
GOS20-55	257260	Standard	OREAS 501c	0.222	0.222	0.246	0.198	pass
GOS20-55	257360	Standard	OREAS 501c	0.217	0.222	0.246	0.198	pass
GOS20-55	257460	Standard	OREAS 501c	0.216	0.222	0.246	0.198	pass
GOS20-56	259060	Standard	OREAS 501c	0.227	0.222	0.246	0.198	pass
GOS20-56	259160	Standard	OREAS 501c	0.229	0.222	0.246	0.198	pass
GOS20-56	259260	Standard	OREAS 501c	0.224	0.222	0.246	0.198	pass
GOS20-56	259360	Standard	OREAS 501c	0.23	0.222	0.246	0.198	pass
GOS20-56	259460	Standard	OREAS 501c	0.23	0.222	0.246	0.198	pass

Hole_ID	QC_Sample_No	QC_Type	Standard	AU_FINAL_GPT	Mean	UCL (3sd)	LCL(3sd)	Pass or Fail	SD
GOS19-30	811636	Standard	OREAS 502c	0.499	0.4844158	0.535	0.434	pass	0.0167
GOS19-30	811736	Standard	OREAS 502c	0.493	0.4844158	0.535	0.434	pass	
GOS19-30	811836	Standard	OREAS 502c	0.480	0.4844158	0.535	0.434	pass	
GOS19-30	811936	Standard	OREAS 502c	0.486	0.4844158	0.535	0.434	pass	
GOS19-30	1082036	Standard	OREAS 502c	0.470	0.4844158	0.535	0.434	pass	
GOS19-30	1082136	Standard	OREAS 502c	0.473	0.4844158	0.535	0.434	pass	
GOS19-31	810536	Standard	OREAS 502c	0.482	0.4844158	0.535	0.434	pass	
GOS19-31	810636	Standard	OREAS 502c	0.457	0.4844158	0.535	0.434	pass	
GOS19-31	810736	Standard	OREAS 502c	0.488	0.4844158	0.535	0.434	pass	
GOS19-31	810936	Standard	OREAS 502c	0.461	0.4844158	0.535	0.434	pass	
GOS19-32	1082236	Standard	OREAS 502c	0.479	0.4844158	0.535	0.434	pass	
GOS19-32	1082336	Standard	OREAS 502c	0.449	0.4844158	0.535	0.434	pass	
GOS19-32	1082436	Standard	OREAS 502c	0.449	0.4844158	0.535	0.434	pass	
GOS19-32	1082536	Standard	OREAS 502c	0.481	0.4844158	0.535	0.434	pass	
GOS19-32	1082636	Standard	OREAS 502c	0.456	0.4844158	0.535	0.434	pass	
GOS19-33	1083536	Standard	OREAS 502c	0.475	0.4844158	0.535	0.434	pass	
GOS19-33	1083636	Standard	OREAS 502c	0.476	0.4844158	0.535	0.434	pass	
GOS19-33	1083736	Standard	OREAS 502c	0.469	0.4844158	0.535	0.434	pass	
GOS19-33	1083836	Standard	OREAS 502c	0.484	0.4844158	0.535	0.434	pass	
GOS19-33	1083936	Standard	OREAS 502c	0.463	0.4844158	0.535	0.434	pass	
GOS19-33	1084036	Standard	OREAS 502c	0.491	0.4844158	0.535	0.434	pass	
GOS20-34	858336	Standard	OREAS 502c	0.472	0.4844158	0.535	0.434	pass	
GOS20-34	858436	Standard	OREAS 502c	0.488	0.4844158	0.535	0.434	pass	
GOS20-35	1075036	Standard	OREAS 502c	0.483	0.4844158	0.535	0.434	pass	
GOS20-35	1075136	Standard	OREAS 502c	0.480	0.4844158	0.535	0.434	pass	
GOS20-35	1075236	Standard	OREAS 502c	0.506	0.4844158	0.535	0.434	pass	
GOS20-35	1075336	Standard	OREAS 502c	0.486	0.4844158	0.535	0.434	pass	
GOS20-35	1075436	Standard	OREAS 502c	0.485	0.4844158	0.535	0.434	pass	
GOS20-36	1079036	Standard	OREAS 502c	0.455	0.4844158	0.535	0.434	pass	
GOS20-36	1079136	Standard	OREAS 502c	0.464	0.4844158	0.535	0.434	pass	
GOS20-36	1079236	Standard	OREAS 502c	0.421	0.4844158	0.535	0.434	fail	
GOS20-36	1079336	Standard	OREAS 502c	0.464	0.4844158	0.535	0.434	pass	
GOS20-36	1079436	Standard	OREAS 502c	0.487	0.4844158	0.535	0.434	pass	
GOS20-46	255512	Standard	OREAS 502c	0.488	0.4844158	0.535	0.434	pass	
GOS20-46	255612	Standard	OREAS 502c	0.513	0.4844158	0.535	0.434	pass	
GOS20-46	255736	Standard	OREAS 502c	0.493	0.4844158	0.535	0.434	pass	
GOS20-46	255836	Standard	OREAS 502c	0.480	0.4844158	0.535	0.434	pass	
GOS20-46	255936	Standard	OREAS 502c	0.488	0.4844158	0.535	0.434	pass	
GOS20-47	255312	Standard	OREAS 502c	0.464	0.4844158	0.535	0.434	pass	
GOS20-47	255412	Standard	OREAS 502c	0.491	0.4844158	0.535	0.434	pass	
GOS20-47	255012	Standard	OREAS 502c	0.487	0.4844158	0.535	0.434	pass	
GOS20-47	255112	Standard	OREAS 502c	0.514	0.4844158	0.535	0.434	pass	
GOS20-47	255212	Standard	OREAS 502c	0.474	0.4844158	0.535	0.434	pass	
GOS20-48	256012	Standard	OREAS 502c	0.526	0.4844158	0.535	0.434	pass	
GOS20-48	256112	Standard	OREAS 502c	0.473	0.4844158	0.535	0.434	pass	
GOS20-48	256212	Standard	OREAS 502c	0.472	0.4844158	0.535	0.434	pass	

GOS20-48	256312	Standard	OREAS 502c	0.461	0.4844158	0.535	0.434	pass
GOS20-48	256412	Standard	OREAS 502c	0.483	0.4844158	0.535	0.434	pass
GOS20-49	254512	Standard	OREAS 502c	0.455	0.4844158	0.535	0.434	pass
GOS20-49	254612	Standard	OREAS 502c	0.48	0.4844158	0.535	0.434	pass
GOS20-49	254712	Standard	OREAS 502c	0.47	0.4844158	0.535	0.434	pass
GOS20-49	254812	Standard	OREAS 502c	0.476	0.4844158	0.535	0.434	pass
GOS20-49	254912	Standard	OREAS 502c	0.48	0.4844158	0.535	0.434	pass
GOS20-50	1081512	Standard	OREAS 502c	0.46	0.4844158	0.535	0.434	pass
GOS20-50	1081612	Standard	OREAS 502c	0.464	0.4844158	0.535	0.434	pass
GOS20-50	1081712	Standard	OREAS 502c	0.484	0.4844158	0.535	0.434	pass
GOS20-50	1081812	Standard	OREAS 502c	0.471	0.4844158	0.535	0.434	pass
GOS20-51	256512	Standard	OREAS 502c	0.517	0.4844158	0.535	0.434	pass
GOS20-51	256612	Standard	OREAS 502c	0.479	0.4844158	0.535	0.434	pass
GOS20-51	256712	Standard	OREAS 502c	0.511	0.4844158	0.535	0.434	pass
GOS20-51	256812	Standard	OREAS 502c	0.489	0.4844158	0.535	0.434	pass
GOS20-52	260012	Standard	OREAS 502c	0.481	0.4844158	0.535	0.434	pass
GOS20-52	260112	Standard	OREAS 502c	0.485	0.4844158	0.535	0.434	pass
GOS20-52	260212	Standard	OREAS 502c	0.486	0.4844158	0.535	0.434	pass
GOS20-52	260312	Standard	OREAS 502c	0.496	0.4844158	0.535	0.434	pass
GOS20-52	260412	Standard	OREAS 502c	0.491	0.4844158	0.535	0.434	pass
GOS20-53	1076412	Standard	OREAS 502c	0.66	0.4844158	0.535	0.434	fail
GOS20-53	256912	Standard	OREAS 502c	0.504	0.4844158	0.535	0.434	pass
GOS20-53	258512	Standard	OREAS 502c	0.466	0.4844158	0.535	0.434	pass
GOS20-53	258612	Standard	OREAS 502c	0.482	0.4844158	0.535	0.434	pass
GOS20-54	259512	Standard	OREAS 502c	0.502	0.4844158	0.535	0.434	pass
GOS20-54	259612	Standard	OREAS 502c	0.49	0.4844158	0.535	0.434	pass
GOS20-54	259712	Standard	OREAS 502c	0.478	0.4844158	0.535	0.434	pass
GOS20-55	257012	Standard	OREAS 502c	0.529	0.4844158	0.535	0.434	pass
GOS20-55	257112	Standard	OREAS 502c	0.497	0.4844158	0.535	0.434	pass
GOS20-55	257212	Standard	OREAS 502c	0.499	0.4844158	0.535	0.434	pass
GOS20-55	257312	Standard	OREAS 502c	0.492	0.4844158	0.535	0.434	pass
GOS20-55	257412	Standard	OREAS 502c	0.497	0.4844158	0.535	0.434	pass
GOS20-56	259012	Standard	OREAS 502c	0.484	0.4844158	0.535	0.434	pass
GOS20-56	259112	Standard	OREAS 502c	0.485	0.4844158	0.535	0.434	pass
GOS20-56	259212	Standard	OREAS 502c	0.489	0.4844158	0.535	0.434	pass
GOS20-56	259312	Standard	OREAS 502c	0.485	0.4844158	0.535	0.434	pass
GOS20-56	259412	Standard	OREAS 502c	0.493	0.4844158	0.535	0.434	pass
GOS20-57	257512	Standard	OREAS 502c	0.503	0.4844158	0.535	0.434	pass
GOS20-57	257612	Standard	OREAS 502c	0.501	0.4844158	0.535	0.434	pass
GOS20-57	257712	Standard	OREAS 502c	0.513	0.4844158	0.535	0.434	pass
GOS20-57	257812	Standard	OREAS 502c	0.505	0.4844158	0.535	0.434	pass
GOS20-57	257912	Standard	OREAS 502c	0.506	0.4844158	0.535	0.434	pass
GOS20-58	258012	Standard	OREAS 502c	0.513	0.4844158	0.535	0.434	pass
GOS20-58	258112	Standard	OREAS 502c	0.499	0.4844158	0.535	0.434	pass
GOS20-58	258212	Standard	OREAS 502c	0.475	0.4844158	0.535	0.434	pass
GOS20-58	258312	Standard	OREAS 502c	0.457	0.4844158	0.535	0.434	pass
GOS20-58	258412	Standard	OREAS 502c	0.484	0.4844158	0.535	0.434	pass

GOS20-59	258712	Standard	OREAS 502c	0.491	0.4844158	0.535	0.434	pass
GOS20-59	258812	Standard	OREAS 502c	0.506	0.4844158	0.535	0.434	pass
GOS20-59	258912	Standard	OREAS 502c	0.522	0.4844158	0.535	0.434	pass
GOS20-59	259812	Standard	OREAS 502c	0.5	0.4844158	0.535	0.434	pass
GOS20-59	259912	Standard	OREAS 502c	0.521	0.4844158	0.535	0.434	pass
GOS20-60	261012	Standard	OREAS 502c	0.527	0.4844158	0.535	0.434	pass
GOS20-60	261112	Standard	OREAS 502c	0.46	0.4844158	0.535	0.434	pass
GOS20-60	261212	Standard	OREAS 502c	0.485	0.4844158	0.535	0.434	pass
GOS20-60	261312	Standard	OREAS 502c	0.518	0.4844158	0.535	0.434	pass
GOS20-60	261412	Standard	OREAS 502c	0.507	0.4844158	0.535	0.434	pass
GOS20-61	261512	Standard	OREAS 502c	0.48	0.4844158	0.535	0.434	pass
GOS20-61	261612	Standard	OREAS 502c	0.51	0.4844158	0.535	0.434	pass
GOS20-61	261712	Standard	OREAS 502c	0.49	0.4844158	0.535	0.434	pass
GOS20-61	261812	Standard	OREAS 502c	0.49	0.4844158	0.535	0.434	pass
GOS20-61	261912	Standard	OREAS 502c	0.50	0.4844158	0.535	0.434	pass
GOS20-62	260512	Standard	OREAS 502c	0.48	0.4844158	0.535	0.434	pass
GOS20-62	260612	Standard	OREAS 502c	0.48	0.4844158	0.535	0.434	pass
GOS20-62	260712	Standard	OREAS 502c	0.47	0.4844158	0.535	0.434	pass
GOS20-62	260812	Standard	OREAS 502c	0.48	0.4844158	0.535	0.434	pass
GOS20-62	260912	Standard	OREAS 502c	0.49	0.4844158	0.535	0.434	pass

Hole_ID	QC_Sample_No	QC_Type	Standard	AU_FINAL_GPT	Mean	UCL (3sd)	LCL(3sd)	Pass or Fail	SD
GOS19-30	811612	Standard	OREAS 503c	0.675	0.686	0.747	0.625	pass	0.020
GOS19-30	811712	Standard	OREAS 503c	0.714	0.686	0.747	0.625	pass	
GOS19-30	811812	Standard	OREAS 503c	0.694	0.686	0.747	0.625	pass	
GOS19-30	811912	Standard	OREAS 503c	0.686	0.686	0.747	0.625	pass	
GOS19-30	1082012	Standard	OREAS 503c	0.692	0.686	0.747	0.625	pass	
GOS19-30	1082112	Standard	OREAS 503c	0.723	0.686	0.747	0.625	pass	
GOS19-31	810512	Standard	OREAS 503c	0.703	0.686	0.747	0.625	pass	
GOS19-31	810612	Standard	OREAS 503c	0.676	0.686	0.747	0.625	pass	
GOS19-31	810712	Standard	OREAS 503c	0.696	0.686	0.747	0.625	pass	
GOS19-31	810812	Standard	OREAS 503c	0.687	0.686	0.747	0.625	pass	
GOS19-31	810912	Standard	OREAS 503c	0.670	0.686	0.747	0.625	pass	
GOS19-32	1082212	Standard	OREAS 503c	0.683	0.686	0.747	0.625	pass	
GOS19-32	1082312	Standard	OREAS 503c	0.677	0.686	0.747	0.625	pass	
GOS19-32	1082412	Standard	OREAS 503c	0.654	0.686	0.747	0.625	pass	
GOS19-32	1082512	Standard	OREAS 503c	0.670	0.686	0.747	0.625	pass	
GOS19-32	1082612	Standard	OREAS 503c	0.670	0.686	0.747	0.625	pass	
GOS19-32	1082712	Standard	OREAS 503c	0.660	0.686	0.747	0.625	pass	
GOS19-33	1083512	Standard	OREAS 503c	0.679	0.686	0.747	0.625	pass	
GOS19-33	1083612	Standard	OREAS 503c	0.670	0.686	0.747	0.625	pass	
GOS19-33	1083712	Standard	OREAS 503c	0.688	0.686	0.747	0.625	pass	
GOS19-33	1083812	Standard	OREAS 503c	0.778	0.686	0.747	0.625	fail	
GOS19-33	1083912	Standard	OREAS 503c	0.743	0.686	0.747	0.625	pass	
GOS19-33	1084012	Standard	OREAS 503c	0.688	0.686	0.747	0.625	pass	
GOS20-34	455112	Standard	OREAS 503c	0.713	0.686	0.747	0.625	pass	
GOS20-34	858312	Standard	OREAS 503c	0.666	0.686	0.747	0.625	pass	
GOS20-34	858412	Standard	OREAS 503c	0.677	0.686	0.747	0.625	pass	
GOS20-35	1075012	Standard	OREAS 503c	0.698	0.686	0.747	0.625	pass	
GOS20-35	1075112	Standard	OREAS 503c	0.666	0.686	0.747	0.625	pass	
GOS20-35	1075212	Standard	OREAS 503c	0.736	0.686	0.747	0.625	pass	
GOS20-35	1075312	Standard	OREAS 503c	0.708	0.686	0.747	0.625	pass	
GOS20-35	1075412	Standard	OREAS 503c	0.698	0.686	0.747	0.625	pass	
GOS20-36	1079012	Standard	OREAS 503c	0.681	0.686	0.747	0.625	pass	
GOS20-36	1079112	Standard	OREAS 503c	0.661	0.686	0.747	0.625	pass	
GOS20-36	1079212	Standard	OREAS 503c	0.663	0.686	0.747	0.625	pass	
GOS20-36	1079312	Standard	OREAS 503c	0.652	0.686	0.747	0.625	pass	
GOS20-36	1079412	Standard	OREAS 503c	0.680	0.686	0.747	0.625	pass	
GOS20-36	1079512	Standard	OREAS 503c	0.689	0.686	0.747	0.625	pass	
GOS20-46	255536	Standard	OREAS 503c	0.66	0.686	0.747	0.625	pass	
GOS20-46	255636	Standard	OREAS 503c	0.707	0.686	0.747	0.625	pass	
GOS20-46	255712	Standard	OREAS 503c	0.708	0.686	0.747	0.625	pass	
GOS20-46	255812	Standard	OREAS 503c	0.691	0.686	0.747	0.625	pass	
GOS20-46	255912	Standard	OREAS 503c	0.648	0.686	0.747	0.625	pass	
GOS20-47	255336	Standard	OREAS 503c	0.683	0.686	0.747	0.625	pass	
GOS20-47	255436	Standard	OREAS 503c	0.683	0.686	0.747	0.625	pass	
GOS20-47	255036	Standard	OREAS 503c	0.69	0.686	0.747	0.625	pass	
GOS20-47	255136	Standard	OREAS 503c	0.697	0.686	0.747	0.625	pass	



GOS20-47	255236	Standard	OREAS 503c	0.692	0.686	0.747	0.625	pass
GOS20-48	256036	Standard	OREAS 503c	0.688	0.686	0.747	0.625	pass
GOS20-48	256136	Standard	OREAS 503c	0.682	0.686	0.747	0.625	pass
GOS20-48	256236	Standard	OREAS 503c	0.644	0.686	0.747	0.625	pass
GOS20-48	256336	Standard	OREAS 503c	0.689	0.686	0.747	0.625	pass
GOS20-48	256436	Standard	OREAS 503c	0.708	0.686	0.747	0.625	pass
GOS20-49	254536	Standard	OREAS 503c	0.677	0.686	0.747	0.625	pass
GOS20-49	254636	Standard	OREAS 503c	0.691	0.686	0.747	0.625	pass
GOS20-49	254736	Standard	OREAS 503c	0.695	0.686	0.747	0.625	pass
GOS20-49	254836	Standard	OREAS 503c	0.695	0.686	0.747	0.625	pass
GOS20-49	254936	Standard	OREAS 503c	0.685	0.686	0.747	0.625	pass
GOS20-50	1081536	Standard	OREAS 503c	0.702	0.686	0.747	0.625	pass
GOS20-50	1081636	Standard	OREAS 503c	0.69	0.686	0.747	0.625	pass
GOS20-50	1081736	Standard	OREAS 503c	0.657	0.686	0.747	0.625	pass
GOS20-50	1081836	Standard	OREAS 503c	0.66	0.686	0.747	0.625	pass
GOS20-51	256536	Standard	OREAS 503c	0.697	0.686	0.747	0.625	pass
GOS20-51	256636	Standard	OREAS 503c	0.715	0.686	0.747	0.625	pass
GOS20-51	256736	Standard	OREAS 503c	0.686	0.686	0.747	0.625	pass
GOS20-51	256836	Standard	OREAS 503c	0.708	0.686	0.747	0.625	pass
GOS20-52	260036	Standard	OREAS 503c	0.71	0.686	0.747	0.625	pass
GOS20-52	260136	Standard	OREAS 503c	0.689	0.686	0.747	0.625	pass
GOS20-52	260236	Standard	OREAS 503c	0.679	0.686	0.747	0.625	pass
GOS20-52	260336	Standard	OREAS 503c	0.7	0.686	0.747	0.625	pass
GOS20-52	260436	Standard	OREAS 503c	0.653	0.686	0.747	0.625	pass
GOS20-53	1076436	Standard	OREAS 503c	0.667	0.686	0.747	0.625	pass
GOS20-53	256936	Standard	OREAS 503c	0.716	0.686	0.747	0.625	pass
GOS20-53	258536	Standard	OREAS 503c	0.721	0.686	0.747	0.625	pass
GOS20-53	258636	Standard	OREAS 503c	0.695	0.686	0.747	0.625	pass
GOS20-54	259536	Standard	OREAS 503c	0.676	0.686	0.747	0.625	pass
GOS20-54	259636	Standard	OREAS 503c	0.636	0.686	0.747	0.625	pass
GOS20-54	259736	Standard	OREAS 503c	0.676	0.686	0.747	0.625	pass
GOS20-55	257036	Standard	OREAS 503c	0.68	0.686	0.747	0.625	pass
GOS20-55	257136	Standard	OREAS 503c	0.671	0.686	0.747	0.625	pass
GOS20-55	257236	Standard	OREAS 503c	0.689	0.686	0.747	0.625	pass
GOS20-55	257336	Standard	OREAS 503c	0.682	0.686	0.747	0.625	pass
GOS20-55	257436	Standard	OREAS 503c	0.654	0.686	0.747	0.625	pass

Hole_ID	QC_Sample_No	QC_Type	Standard	AU_FINAL_GPT	Mean	UCL (3sd)	LCL(3sd)	Pass or Fail	SD
GOS20-56	259036	Standard	OREAS 503d	0.676	0.667	0.718	0.616	pass	0.017
GOS20-56	259136	Standard	OREAS 503d	0.659	0.667	0.718	0.616	pass	
GOS20-56	259236	Standard	OREAS 503d	0.659	0.667	0.718	0.616	pass	
GOS20-56	259336	Standard	OREAS 503d	0.656	0.667	0.718	0.616	pass	
GOS20-56	259436	Standard	OREAS 503d	0.683	0.667	0.718	0.616	pass	
GOS20-57	257536	Standard	OREAS 503d	0.654	0.667	0.718	0.616	pass	
GOS20-57	257636	Standard	OREAS 503d	0.7	0.667	0.718	0.616	pass	
GOS20-57	257736	Standard	OREAS 503d	0.701	0.667	0.718	0.616	pass	
GOS20-57	257836	Standard	OREAS 503d	0.688	0.667	0.718	0.616	pass	
GOS20-57	257936	Standard	OREAS 503d	0.679	0.667	0.718	0.616	pass	
GOS20-58	258036	Standard	OREAS 503d	0.664	0.667	0.718	0.616	pass	
GOS20-58	258136	Standard	OREAS 503d	0.665	0.667	0.718	0.616	pass	
GOS20-58	258236	Standard	OREAS 503d	0.68	0.667	0.718	0.616	pass	
GOS20-58	258336	Standard	OREAS 503d	0.636	0.667	0.718	0.616	pass	
GOS20-58	258436	Standard	OREAS 503d	0.662	0.667	0.718	0.616	pass	
GOS20-59	258736	Standard	OREAS 503d	0.659	0.667	0.718	0.616	pass	
GOS20-59	258836	Standard	OREAS 503d	0.657	0.667	0.718	0.616	pass	
GOS20-59	258936	Standard	OREAS 503d	0.677	0.667	0.718	0.616	pass	
GOS20-59	259836	Standard	OREAS 503d	0.682	0.667	0.718	0.616	pass	
GOS20-59	259936	Standard	OREAS 503d	0.678	0.667	0.718	0.616	pass	
GOS20-60	261036	Standard	OREAS 503d	0.657	0.667	0.718	0.616	pass	
GOS20-60	261136	Standard	OREAS 503d	0.555	0.667	0.718	0.616	fail	
GOS20-60	261236	Standard	OREAS 503d	0.668	0.667	0.718	0.616	pass	
GOS20-60	261336	Standard	OREAS 503d	0.666	0.667	0.718	0.616	pass	
GOS20-60	261436	Standard	OREAS 503d	0.681	0.667	0.718	0.616	pass	
GOS20-61	261536	Standard	OREAS 503d	0.67	0.667	0.718	0.616	pass	
GOS20-61	261636	Standard	OREAS 503d	0.65	0.667	0.718	0.616	pass	
GOS20-61	261736	Standard	OREAS 503d	0.49	0.667	0.718	0.616	fail	
GOS20-61	261836	Standard	OREAS 503d	0.67	0.667	0.718	0.616	pass	
GOS20-61	261936	Standard	OREAS 503d	0.63	0.667	0.718	0.616	pass	
GOS20-62	260536	Standard	OREAS 503d	0.67	0.667	0.718	0.616	pass	
GOS20-62	260636	Standard	OREAS 503d	0.64	0.667	0.718	0.616	pass	
GOS20-62	260736	Standard	OREAS 503d	0.64	0.667	0.718	0.616	pass	
GOS20-62	260836	Standard	OREAS 503d	0.67	0.667	0.718	0.616	pass	
GOS20-62	260936	Standard	OREAS 503d	0.66	0.667	0.718	0.616	pass	

Hole_ID	QC_Sample_No	QC_Type	Standard	AU_FINAL_GPT	Mean	UCL (3sd)	LCL(3sd)	Pass or Fail	SD
GOS19-30	811560	Standard	OREAS 504b	1.63	1.570	1.82	1.32	pass	0.082
GOS19-30	811660	Standard	OREAS 504b	1.58	1.570	1.82	1.32	pass	
GOS19-30	811760	Standard	OREAS 504b	1.49	1.570	1.82	1.32	pass	
GOS19-30	811860	Standard	OREAS 504b	1.59	1.570	1.82	1.32	pass	
GOS19-30	811960	Standard	OREAS 504b	1.67	1.570	1.82	1.32	pass	
GOS19-30	1082060	Standard	OREAS 504b	1.48	1.570	1.82	1.32	pass	
GOS19-30	1082160	Standard	OREAS 504b	1.45	1.570	1.82	1.32	pass	
GOS19-31	810560	Standard	OREAS 504b	0.81	1.570	1.82	1.32	fail	
GOS19-31	810660	Standard	OREAS 504b	1.58	1.570	1.82	1.32	pass	
GOS19-31	810760	Standard	OREAS 504b	1.55	1.570	1.82	1.32	pass	
GOS19-31	810860	Standard	OREAS 504b	1.50	1.570	1.82	1.32	pass	
GOS19-31	810960	Standard	OREAS 504b	1.50	1.570	1.82	1.32	pass	
GOS19-32	1082260	Standard	OREAS 504b	1.49	1.570	1.82	1.32	pass	
GOS19-32	1082360	Standard	OREAS 504b	1.54	1.570	1.82	1.32	pass	
GOS19-32	1082460	Standard	OREAS 504b	1.49	1.570	1.82	1.32	pass	
GOS19-32	1082560	Standard	OREAS 504b	1.58	1.570	1.82	1.32	pass	
GOS19-32	1082660	Standard	OREAS 504b	1.44	1.570	1.82	1.32	pass	
GOS19-33	1083560	Standard	OREAS 504b	1.48	1.570	1.82	1.32	pass	
GOS19-33	1083660	Standard	OREAS 504b	1.51	1.570	1.82	1.32	pass	
GOS19-33	1083760	Standard	OREAS 504b	0.01	1.570	1.82	1.32	fail	
GOS19-33	1083860	Standard	OREAS 504b	1.64	1.570	1.82	1.32	pass	
GOS19-33	1083960	Standard	OREAS 504b	1.57	1.570	1.82	1.32	pass	
GOS20-34	455060	Standard	OREAS 504b	1.60	1.570	1.82	1.32	pass	
GOS20-34	455160	Standard	OREAS 504b	1.60	1.570	1.82	1.32	pass	
GOS20-34	858260	Standard	OREAS 504b	1.59	1.570	1.82	1.32	pass	
GOS20-34	858360	Standard	OREAS 504b	1.55	1.570	1.82	1.32	pass	
GOS20-34	858460	Standard	OREAS 504b	1.53	1.570	1.82	1.32	pass	
GOS20-35	1075060	Standard	OREAS 504b	1.72	1.570	1.82	1.32	pass	
GOS20-35	1075160	Standard	OREAS 504b	1.67	1.570	1.82	1.32	pass	
GOS20-35	1075260	Standard	OREAS 504b	1.60	1.570	1.82	1.32	pass	
GOS20-35	1075360	Standard	OREAS 504b	1.62	1.570	1.82	1.32	pass	
GOS20-35	1075460	Standard	OREAS 504b	1.59	1.570	1.82	1.32	pass	
GOS20-36	1079060	Standard	OREAS 504b	1.57	1.570	1.82	1.32	pass	
GOS20-36	1079160	Standard	OREAS 504b	1.59	1.570	1.82	1.32	pass	
GOS20-36	1079260	Standard	OREAS 504b	1.56	1.570	1.82	1.32	pass	
GOS20-36	1079360	Standard	OREAS 504b	1.48	1.570	1.82	1.32	pass	
GOS20-36	1079460	Standard	OREAS 504b	1.58	1.570	1.82	1.32	pass	
GOS20-37	842260	Standard	OREAS 504b	1.56	1.570	1.82	1.32	pass	
GOS20-37	455260	Standard	OREAS 504b	1.57	1.570	1.82	1.32	pass	
GOS20-37	455460	Standard	OREAS 504b	1.60	1.570	1.82	1.32	pass	
GOS20-37	455360	Standard	OREAS 504b	1.54	1.570	1.82	1.32	pass	
GOS20-37	1080060	Standard	OREAS 504b	1.64	1.570	1.82	1.32	pass	
GOS20-38	1077160	Standard	OREAS 504b	1.63	1.570	1.82	1.32	pass	
GOS20-38	1077060	Standard	OREAS 504b	1.56	1.570	1.82	1.32	pass	
GOS20-38	1077460	Standard	OREAS 504b	1.64	1.570	1.82	1.32	pass	
GOS20-38	1077260	Standard	OREAS 504b	1.63	1.570	1.82	1.32	pass	

GOS20-38	1077360	Standard	OREAS 504b	1.62	1.570	1.82	1.32	pass	
GOS20-39	1075760	Standard	OREAS 504b	1.63	1.570	1.82	1.32	pass	
GOS20-39	1075660	Standard	OREAS 504b	1.61	1.570	1.82	1.32	pass	
GOS20-39	1075560	Standard	OREAS 504b	1.61	1.570	1.82	1.32	pass	
GOS20-40	1079960	Standard	OREAS 504b	1.61	1.570	1.82	1.32	pass	
GOS20-40	1079660	Standard	OREAS 504b	1.60	1.570	1.82	1.32	pass	
GOS20-40	1079560	Standard	OREAS 504b	1.58	1.570	1.82	1.32	pass	
GOS20-40	1079760	Standard	OREAS 504b	1.58	1.570	1.82	1.32	pass	
GOS20-40	1079860	Standard	OREAS 504b	1.57	1.570	1.82	1.32	pass	
GOS20-41	1078160	Standard	OREAS 504b	1.70	1.570	1.82	1.32	pass	
GOS20-41	1078260	Standard	OREAS 504b	1.55	1.570	1.82	1.32	pass	
GOS20-41	1078060	Standard	OREAS 504b	1.66	1.570	1.82	1.32	pass	
GOS20-41	1078360	Standard	OREAS 504b	1.48	1.570	1.82	1.32	pass	
GOS20-41	1078460	Standard	OREAS 504b	1.58	1.570	1.82	1.32	pass	
GOS20-42	1083060	Standard	OREAS 504b	1.609	1.570	1.82	1.32	pass	
GOS20-42	1083260	Standard	OREAS 504b	1.611	1.570	1.82	1.32	pass	
GOS20-42	1083160	Standard	OREAS 504b	1.538	1.570	1.82	1.32	pass	
GOS20-42	1083360	Standard	OREAS 504b	1.591	1.570	1.82	1.32	pass	

Hole_ID	QC_Sample_No	QC_Type	Standard	AU_FINAL_GPT	Mean	UCL (3sd)	LCL(3sd)	Pass or Fail	SD
GOS20-43	1076060	Standard	OREAS 504c	1.388	1.474	1.652	1.297	pass	0.059
GOS20-43	1076160	Standard	OREAS 504c	1.388	1.474	1.652	1.297	pass	
GOS20-43	1075860	Standard	OREAS 504c	1.614	1.474	1.652	1.297	pass	
GOS20-43	1075960	Standard	OREAS 504c	1.430	1.474	1.652	1.297	pass	
GOS20-44	1084860	Standard	OREAS 504c	1.337	1.474	1.652	1.297	pass	
GOS20-44	1084960	Standard	OREAS 504c	1.381	1.474	1.652	1.297	pass	
GOS20-44	1084560	Standard	OREAS 504c	1.304	1.474	1.652	1.297	pass	
GOS20-44	1084760	Standard	OREAS 504c	1.267	1.474	1.652	1.297	fail	
GOS20-44	1084660	Standard	OREAS 504c	1.389	1.474	1.652	1.297	pass	
GOS20-45	784960	Standard	OREAS 504c	1.414	1.474	1.652	1.297	pass	
GOS20-46	255584	Standard	OREAS 504c	1.505	1.474	1.652	1.297	pass	
GOS20-46	255660	Standard	OREAS 504c	1.502	1.474	1.652	1.297	pass	
GOS20-46	255760	Standard	OREAS 504c	1.470	1.474	1.652	1.297	pass	
GOS20-46	255860	Standard	OREAS 504c	1.450	1.474	1.652	1.297	pass	
GOS20-46	255960	Standard	OREAS 504c	1.451	1.474	1.652	1.297	pass	
GOS20-47	255284	Standard	OREAS 504c	1.438	1.474	1.652	1.297	pass	
GOS20-47	255384	Standard	OREAS 504c	1.409	1.474	1.652	1.297	pass	
GOS20-47	255084	Standard	OREAS 504c	1.554	1.474	1.652	1.297	pass	
GOS20-47	255484	Standard	OREAS 504c	1.282	1.474	1.652	1.297	fail	
GOS20-47	255184	Standard	OREAS 504c	1.435	1.474	1.652	1.297	pass	
GOS20-48	256084	Standard	OREAS 504c	1.417	1.474	1.652	1.297	pass	
GOS20-48	256184	Standard	OREAS 504c	1.411	1.474	1.652	1.297	pass	
GOS20-48	256284	Standard	OREAS 504c	1.417	1.474	1.652	1.297	pass	
GOS20-48	256384	Standard	OREAS 504c	1.416	1.474	1.652	1.297	pass	
GOS20-49	254884	Standard	OREAS 504c	1.396	1.474	1.652	1.297	pass	
GOS20-49	254584	Standard	OREAS 504c	1.364	1.474	1.652	1.297	pass	
GOS20-49	254684	Standard	OREAS 504c	1.421	1.474	1.652	1.297	pass	
GOS20-49	254784	Standard	OREAS 504c	1.399	1.474	1.652	1.297	pass	
GOS20-50	1081584	Standard	OREAS 504c	1.371	1.474	1.652	1.297	pass	
GOS20-50	1081684	Standard	OREAS 504c	1.386	1.474	1.652	1.297	pass	
GOS20-50	1081784	Standard	OREAS 504c	1.475	1.474	1.652	1.297	pass	
GOS20-50	1081884	Standard	OREAS 504c	1.373	1.474	1.652	1.297	pass	
GOS20-50	1083484	Standard	OREAS 504c	1.430	1.474	1.652	1.297	pass	
GOS20-50	256484	Standard	OREAS 504c	1.405	1.474	1.652	1.297	pass	
GOS20-51	254984	Standard	OREAS 504c	1.511	1.474	1.652	1.297	pass	
GOS20-51	256584	Standard	OREAS 504c	1.430	1.474	1.652	1.297	pass	
GOS20-51	256684	Standard	OREAS 504c	1.486	1.474	1.652	1.297	pass	
GOS20-51	256784	Standard	OREAS 504c	1.407	1.474	1.652	1.297	pass	
GOS20-52	260085	Standard	OREAS 504c	1.500	1.474	1.652	1.297	pass	
GOS20-52	260184	Standard	OREAS 504c	1.494	1.474	1.652	1.297	pass	
GOS20-52	260284	Standard	OREAS 504c	1.423	1.474	1.652	1.297	pass	
GOS20-52	260384	Standard	OREAS 504c	1.420	1.474	1.652	1.297	pass	
GOS20-53	1076384	Standard	OREAS 504c	1.511	1.474	1.652	1.297	pass	
GOS20-53	1076484	Standard	OREAS 504c	1.450	1.474	1.652	1.297	pass	
GOS20-53	256884	Standard	OREAS 504c	1.486	1.474	1.652	1.297	pass	
GOS20-53	256984	Standard	OREAS 504c	1.525	1.474	1.652	1.297	pass	

GOS20-53	258584	Standard	OREAS 504c	1.481	1.474	1.652	1.297	pass
GOS20-53	260484	Standard	OREAS 504c	1.522	1.474	1.652	1.297	pass
GOS20-54	259584	Standard	OREAS 504c	1.507	1.474	1.652	1.297	pass
GOS20-54	259684	Standard	OREAS 504c	1.396	1.474	1.652	1.297	pass
GOS20-54	259784	Standard	OREAS 504c	1.466	1.474	1.652	1.297	pass
GOS20-55	257084	Standard	OREAS 504c	1.512	1.474	1.652	1.297	pass
GOS20-55	257184	Standard	OREAS 504c	1.447	1.474	1.652	1.297	pass
GOS20-55	257284	Standard	OREAS 504c	1.502	1.474	1.652	1.297	pass
GOS20-55	257384	Standard	OREAS 504c	1.496	1.474	1.652	1.297	pass
GOS20-55	257484	Standard	OREAS 504c	1.483	1.474	1.652	1.297	pass
GOS20-56	259084	Standard	OREAS 504c	1.517	1.474	1.652	1.297	pass
GOS20-56	259184	Standard	OREAS 504c	1.476	1.474	1.652	1.297	pass
GOS20-56	259284	Standard	OREAS 504c	1.465	1.474	1.652	1.297	pass
GOS20-56	259384	Standard	OREAS 504c	1.471	1.474	1.652	1.297	pass
GOS20-57	257584	Standard	OREAS 504c	1.509	1.474	1.652	1.297	pass
GOS20-57	257684	Standard	OREAS 504c	1.501	1.474	1.652	1.297	pass
GOS20-57	257784	Standard	OREAS 504c	1.518	1.474	1.652	1.297	pass
GOS20-57	257884	Standard	OREAS 504c	1.524	1.474	1.652	1.297	pass
GOS20-58	258084	Standard	OREAS 504c	1.536	1.474	1.652	1.297	pass
GOS20-58	258184	Standard	OREAS 504c	1.456	1.474	1.652	1.297	pass
GOS20-58	258284	Standard	OREAS 504c	1.565	1.474	1.652	1.297	pass
GOS20-58	258384	Standard	OREAS 504c	1.474	1.474	1.652	1.297	pass
GOS20-58	258484	Standard	OREAS 504c	1.451	1.474	1.652	1.297	pass
GOS20-59	258784	Standard	OREAS 504c	1.505	1.474	1.652	1.297	pass
GOS20-59	258884	Standard	OREAS 504c	1.493	1.474	1.652	1.297	pass
GOS20-59	258984	Standard	OREAS 504c	1.542	1.474	1.652	1.297	pass
GOS20-59	259884	Standard	OREAS 504c	1.536	1.474	1.652	1.297	pass
GOS20-59	259984	Standard	OREAS 504c	1.567	1.474	1.652	1.297	pass
GOS20-60	261084	Standard	OREAS 504c	1.633	1.474	1.652	1.297	pass
GOS20-60	261184	Standard	OREAS 504c	1.469	1.474	1.652	1.297	pass
GOS20-60	261284	Standard	OREAS 504c	1.54	1.474	1.652	1.297	pass
GOS20-60	261384	Standard	OREAS 504c	1.524	1.474	1.652	1.297	pass
GOS20-61	261584	Standard	OREAS 504c	1.53	1.474	1.652	1.297	pass
GOS20-61	261684	Standard	OREAS 504c	1.50	1.474	1.652	1.297	pass
GOS20-61	261784	Standard	OREAS 504c	1.57	1.474	1.652	1.297	pass
GOS20-61	261884	Standard	OREAS 504c	1.50	1.474	1.652	1.297	pass
GOS20-61	261984	Standard	OREAS 504c	1.51	1.474	1.652	1.297	pass
GOS20-62	260584	Standard	OREAS 504c	1.52	1.474	1.652	1.297	pass
GOS20-62	260684	Standard	OREAS 504c	0.01	1.474	1.652	1.297	fail
GOS20-62	260784	Standard	OREAS 504c	1.51	1.474	1.652	1.297	pass
GOS20-62	260884	Standard	OREAS 504c	1.46	1.474	1.652	1.297	pass
GOS20-62	260984	Standard	OREAS 504c	1.47	1.474	1.652	1.297	pass

Hole_ID	QC_Sample_No	QC_Type	Standard	AU_FINAL_GPT	Mean	UCL (3sd)	LCL(3sd)	Pass or Fail	SD
GOS20-57	257560	Standard	OREAS 507	0.195	0.176	0.197	0.155	pass	0.007
GOS20-57	257660	Standard	OREAS 507	0.176	0.176	0.197	0.155	pass	
GOS20-57	257760	Standard	OREAS 507	0.188	0.176	0.197	0.155	pass	
GOS20-57	257860	Standard	OREAS 507	0.182	0.176	0.197	0.155	pass	
GOS20-57	257960	Standard	OREAS 507	0.183	0.176	0.197	0.155	pass	
GOS20-58	258060	Standard	OREAS 507	0.183	0.176	0.197	0.155	pass	
GOS20-58	258160	Standard	OREAS 507	0.177	0.176	0.197	0.155	pass	
GOS20-58	258260	Standard	OREAS 507	0.188	0.176	0.197	0.155	pass	
GOS20-58	258360	Standard	OREAS 507	0.171	0.176	0.197	0.155	pass	
GOS20-58	258460	Standard	OREAS 507	0.18	0.176	0.197	0.155	pass	
GOS20-59	258760	Standard	OREAS 507	0.498	0.176	0.197	0.155	fail	
GOS20-59	258860	Standard	OREAS 507	0.499	0.176	0.197	0.155	fail	
GOS20-59	258960	Standard	OREAS 507	0.164	0.176	0.197	0.155	pass	
GOS20-59	259860	Standard	OREAS 507	0.177	0.176	0.197	0.155	pass	
GOS20-59	259960	Standard	OREAS 507	0.184	0.176	0.197	0.155	pass	
GOS20-60	261060	Standard	OREAS 507	0.259	0.176	0.197	0.155	fail	
GOS20-60	261160	Standard	OREAS 507	0.163	0.176	0.197	0.155	pass	
GOS20-60	261260	Standard	OREAS 507	0.149	0.176	0.197	0.155	fail	
GOS20-60	261360	Standard	OREAS 507	0.179	0.176	0.197	0.155	pass	
GOS20-60	261460	Standard	OREAS 507	0.182	0.176	0.197	0.155	pass	
GOS20-61	261560	Standard	OREAS 507	0.184	0.176	0.197	0.155	pass	
GOS20-61	261660	Standard	OREAS 507	0.170	0.176	0.197	0.155	pass	
GOS20-61	261760	Standard	OREAS 507	0.225	0.176	0.197	0.155	fail	
GOS20-61	261860	Standard	OREAS 507	0.223	0.176	0.197	0.155	fail	
GOS20-61	261960	Standard	OREAS 507	0.221	0.176	0.197	0.155	fail	
GOS20-62	260560	Standard	OREAS 507	0.179	0.176	0.197	0.155	pass	
GOS20-62	260660	Standard	OREAS 507	0.176	0.176	0.197	0.155	pass	
GOS20-62	260760	Standard	OREAS 507	0.176	0.176	0.197	0.155	pass	
GOS20-62	260860	Standard	OREAS 507	0.174	0.176	0.197	0.155	pass	
GOS20-62	260960	Standard	OREAS 507	0.171	0.176	0.197	0.155	pass	