

**Report on**  
**2012 Cote Lake Area Diamond Drilling**  
**Cote Gold Area Property**

Porcupine Mining Division

Chester Township

Ontario, Canada

41 P/12

Mining Claims:

473743, 473742, 546995, 546991, 546987, 546988, 546984, 546981, S20665, S20661, S20655, 720673,  
1213796

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## 1.0 Summary:

Trelawney Mining & Exploration personnel conducted a diamond drilling program between March 31st, and June 23, 2012 (18 DDH, 5,155.85 meters) on 3 patented and 10 unpatented mining claims within Chester Township.

The drill holes were designed to test the stratigraphy southeast the Côté Deposit for the potential to host economic Au concentrations and favourable lithologies. At the time, the Côté deposit was undergoing advanced exploration, and the drill holes were required as a first step to test an area identified in scoping studies for possible infrastructure placement.

The drilling program investigated portions of Chester Intrusive Complex (CIC) within the Swayze Greenstone Belt (or SGB), which historically has been prospected for Gold and to lesser extent base metals, and is home to several past producing gold mines such as the historic Jerome Mine. The holes were drilled in a distinct drill fence trending near 150 degrees azimuth southeast of the planned location of the Cote Gold open pit.

Over the course of the drilling program 2611 samples were selected and fire assayed for gold and multi-element ICP analyses (aqua regia digestion with an ICP-OES finish). (This total includes QA/QC samples. Samples were chosen based on favourable alteration, visual mineralization and lithological host. Stock-work type mineralization with thin sericite + silica + pyrite halos were commonly noted throughout the drill holes.

Mineralized highlights include several small grains of visible gold hosted in a small quartz-carbonate vein in hole CL12-25 constituting sample 205436 which assayed at 19.01 g/t Au. Other mineralization highlights include those from CL12-23 with samples 205307 and 205312 assay values of 6.37 g/t Au and 6.67 g/t Au which were also hosted within stock-work mineralization with zones of sericite+silica alteration. Assay results outside of these two holes failed to retrieve any significant anomalous results although they did host favourable alteration and stock work zones.

## 2.0 Introduction:

### 2.1: Purpose of the report:

This report has been prepared to meet the requirements for the filing of assessment work under the provisions of the Ontario Mining Act and describes results of a diamond drilling program performed by Trelawney Mining and Exploration Inc. in Chester Township, Porcupine Mining District, Ontario.

The Diamond drill holes were drilled within the Chester property located in Chester Township on 8 contiguous claims, 100% owned by 986813 Ontario Ltd., 3 contiguous patented mining claims (S20665, S20661, and S20655) and 2 contiguous mining claims, 1213796 and 720673 owned by Trelawney Mining and Exploration Inc. (92.50%) and Trelawn Investment Corp. (7.50%), respectively. This amounts to 256 hectares of contiguous claims. Trelawney Mining and Exploration Inc. and 986813 Ontario Ltd. are subsidiaries of Iamgold Corporation. These claims are positioned immediately southeast of IAMGOLD's Cote Gold deposit.

Given the recent discovery of the Cote Gold deposit by Trelawney Mining and Exploration Inc. a diamond drilling program was completed to investigate the geology of an area local to the deposit to identify any favourable conditions or geological features for hosting gold mineralization. The area of the Diamond drilling was being considered for a potential location for future infrastructure placement for the mine site.

## 3.0 Property Location and Access

### 3.1 Location and Access:

The Diamond drilling area lies within the Porcupine Mining District in Chester Township on NTS map sheet 41 P/12 from T5, 155 km north of Sudbury and 130 km south of Timmins. The claims are located approximately 27 kilometers southwest of the town of Gogama, Ontario. Access to the property is via the Chester Road, a secondary gravel logging road, which heads north from the Sultan Road near kilometer 8. The Sultan Road heads west-northwest at the intersection of Highway 144 and Highway 560, near the Watershed.

Figure 1: Chester Property Location



### 3.2 Description of Mining Claims

The Diamond drilling area consists of both mining claims and patented mining claims in Chester Township within the Porcupine Mining Division. The claims are part of the Chester Property. The claims are all contiguous, with 8 of the mining claims are 100% owned by 986813 Ontario Ltd, while the two other mining claims, 720673 and 1213796 are 92.50% owned by Trelawney Mining and Exploration Inc., 7.50% owned by Trelawn Investment Corp. Three contiguous mining patents are owned by Trelawney Mining and Exploration Inc. The claims that were drilled on account for 256 hectares in 16 claim units. (re-phrased). Drill-hole locations are depicted on a claim map and presented in Figure 2. Summary information for those staked claims on which the diamond drilling program was completed is summarized in Table 1. Several of the drill holes crossed claim boundaries as can be seen in Figure 3, the drill-hole location map.

# Figure 2: Claim Map

Trelawney Mining & Exploration  
 Cote Lake Area Diamond Drilling  
 Porcupine Mining Division  
 1:25,000 Diamond Drilling Claim Map




UTM NAD 83, Zone 17N

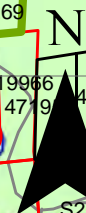
NTS Sheet 41 P/12  
 Date: March 2015

## Legend

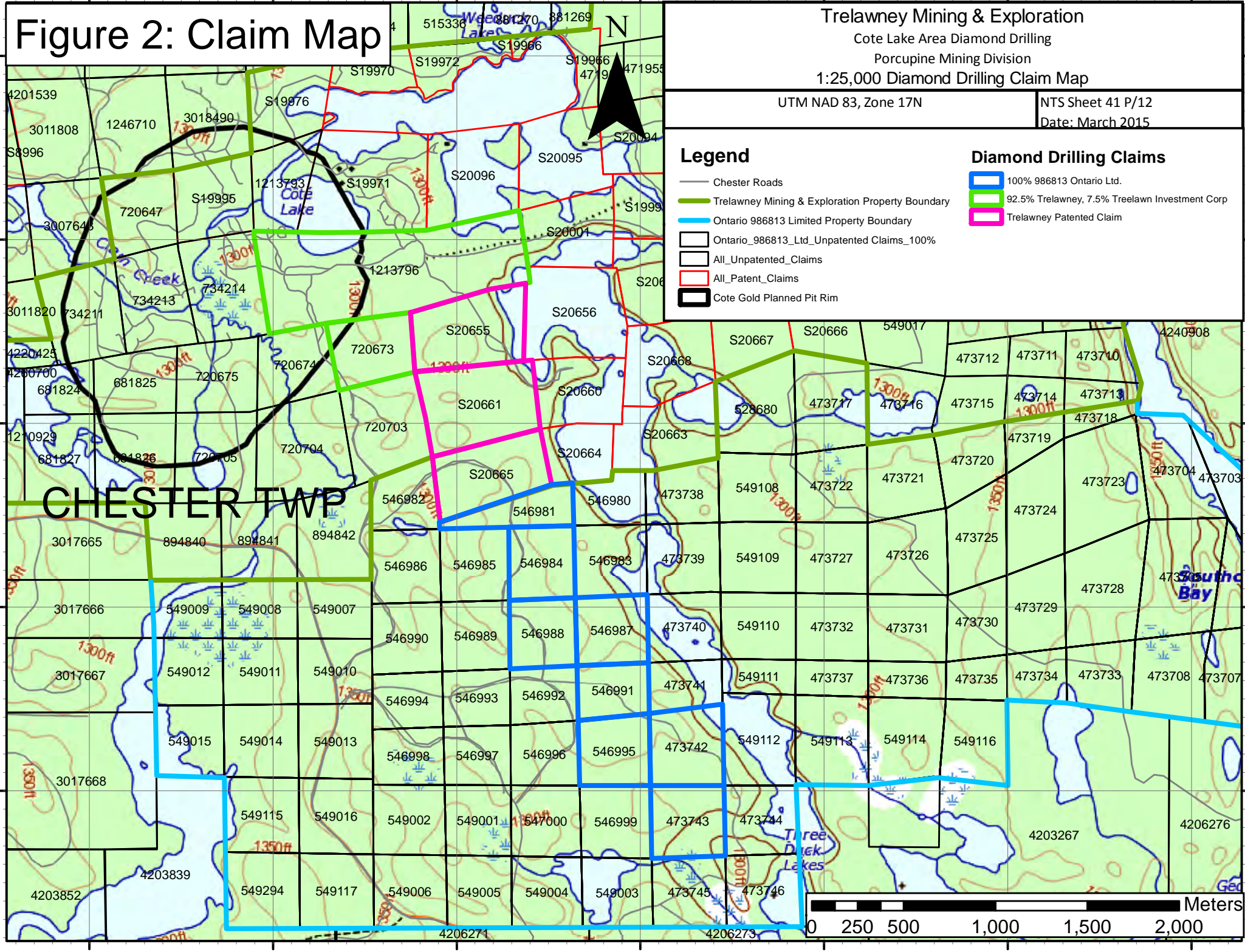
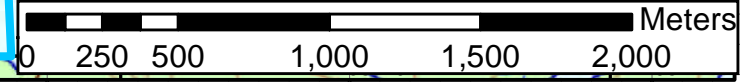
-  Chester Roads
-  Trelawney Mining & Exploration Property Boundary
-  Ontario 986813 Limited Property Boundary
-  Ontario\_986813\_Ltd\_Unpatented\_Claims\_100%
-  All\_Unpatented\_Claims
-  All\_Patent\_Claims
-  Cote Gold Planned Pit Rim

## Diamond Drilling Claims

-  100% 986813 Ontario Ltd.
-  92.5% Trelawney, 7.5% Trelawn Investment Corp
-  Trelawney Patented Claim



CHESTER TWP














# Figure 3: Drill Hole Locations

Trelawney Mining & Exploration  
 Cote Lake Area Drill Hole Locations  
 Porcupine Mining Division  
 1:15,000 Diamond Drill Hole Location Map

UTM NAD 83, Zone 17N  
 NTS Sheet 41 P/12  
 Date: March 2015

### Legend

-  Condemnation Drill Hole Collars
  -  Chester Roads
  -  Trelawney Mining & Exploration Property Boundary
  -  Ontario 986813 Limited Property Boundary
  -  Ontario\_986813\_Ltd\_Unpatented\_Claims\_100%
  -  All\_Unpatented\_Claims
  -  All\_Patent\_Claims
  -  Cote Gold Planned Pit Rim
- ### Diamond Drilling Claims
-  100% 986813 Ontario Ltd.
  -  92.5% Trelawney, 7.5% Trelawney Investment Corp
  -  Trelawney Patented Claim

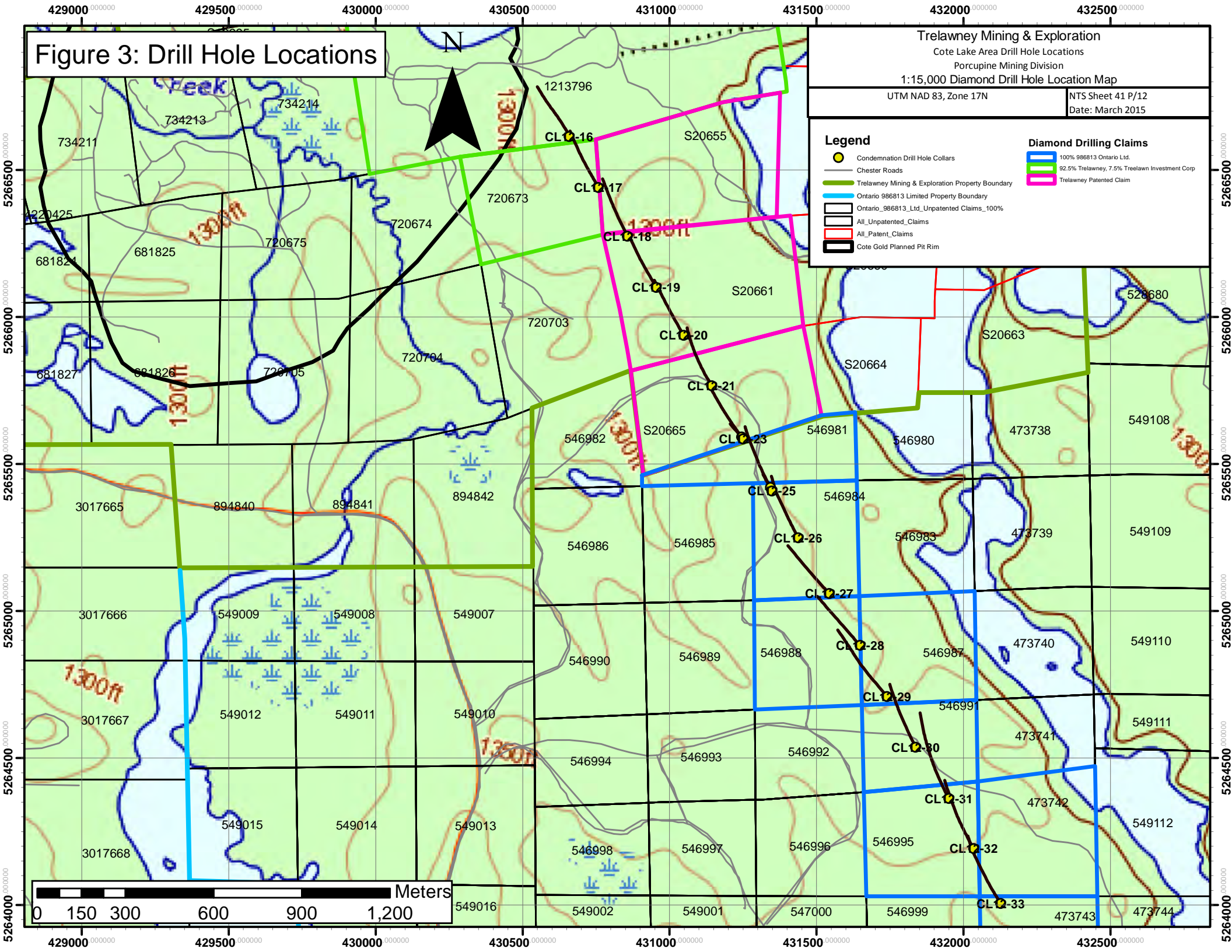




Table 1: Summary of Information for Staked Claims Worked:

Claim Number	Township	Claim Owner	Claim Units	Due Date
546981	Chester	986813 Ontario Ltd. (100%)	1	29-May-19
546984	Chester	986813 Ontario Ltd. (100%)	1	29-May-19
546988	Chester	986813 Ontario Ltd. (100%)	1	29-May-19
546987	Chester	986813 Ontario Ltd. (100%)	1	29-May-19
546991	Chester	986813 Ontario Ltd. (100%)	1	29-May-19
546995	Chester	986813 Ontario Ltd. (100%)	1	29-May-19
473742	Chester	986813 Ontario Ltd. (100%)	1	29-May-19
473743	Chester	986813 Ontario Ltd. (100%)	1	29-May-19
1213796	Chester	Trelawney Mining and Exploration Inc. (92.50%), Treelawn Investment Corp. (7.50%)	4	18/06/2016
720673	Chester	Trelawney Mining and Exploration Inc. (92.50%), Treelawn Investment Corp. (7.50%)	1	08/07/2017
<b>Mining Patents</b>	<b>Township</b>			
S20665	Chester	Trelawney Mining and Exploration Inc.	1	
S20661	Chester	Trelawney Mining and Exploration Inc.	1	
S20655	Chester	Trelawney Mining and Exploration Inc.	1	

#### 4.0 Climate and Physiography

The climate on the claims worked is similar to that of Timmins to the north. Environment Canada notes a temperate range of +38.9 degrees Celsius to -45.6 degrees Celsius. Precipitation in both snow and rain form average to approximately 85cm annually.

Chester Township area hosts extensive tree cover with limited topographic relief and local cedar swamps.

## 5.0 Historical Exploration Work

### 5.1 Exploration History:

Prospecting and exploration activity in the vicinity of the Trelawney properties began about 1900 and has continued sporadically to the present time. The first discovery of note was the Lawrence copper prospect on the east shore of Mesomikenda Lake in 1910. Particular interest in the area was sparked in 1930 when Alfred Gosselin found a spectacular showing of native gold on the east shore of Three Duck Lake. Activity was fairly intense through to the early 1940s with a significant amount of prospecting and trenching plus the sinking of a few shallow shafts and as a result, very minor production ensued.

Through to the late 1960s, there was little or no work performed. From the early 1970s to about 1990, there was a great deal of surface work performed along with some limited underground investigations. Since that time, fragmented property ownership has precluded any major programs. With the consolidation of control of a group of properties by Trelawney (then Treelawn Investment Corp.) in 2006, a reappraisal of the potential of several interesting gold prospects has become possible.

For the period of 1979 to 1989, the two areas that received the most work were what are referred to as the Jack Rabbit property and the Murgold-Chesbar property. Jack Rabbit occurs on Lease CLM 266 and has two mineralized zones designated Zone 1 and Zone 3. Zone 1 has been tested by approximately 90 drill holes totaling about 12,800 m. The zone was investigated along 550 m of strike and to a depth of 180 m below surface. Zone 3 was investigated by 97 drill holes totaling at least 12,300 m. This zone has been followed for 365 m along strike and for 180 m below surface.

Located south of Jack Rabbit, the Murgold-Chesbar property is comprised of Lease CLM 270 and Patent 1222832. Prior to the decade noted above, this property had been worked by a number of operators who drilled at least 40 diamond drill holes (5,000 m) investigating three different prospects, Kingsbridge, Gomak and Strathmore (No. 3 zone). Two shallow shafts were sunk, Gomak, the deepest at 116 ft. on the Gomak zone, and the Strathmore on the No. 3 zone. Limited development was done from each shaft and 1,387 tons were mined from the Gomak workings in 1936. Murgold Resources Inc. (Murgold) acquired the subject properties in 1979 and concentrated much of its effort on the No 3 zone, also known as the Strathmore prospect. Murgold dewatered and investigated the Strathmore workings and also sank the Bates shaft on the same structure 380 m to the northwest. Through 1985, they had drilled 60 holes totaling about 4,200 m. In 1986, Chesbar Resources Inc. (Chesbar) assumed management of the program and to 1988 drilled 56 holes totaling 5,800 m on the No. 3 vein system. Chesbar's main effort from 1986 was the driving of a decline to investigate the No. 3 vein system. When completed in 1988, the ramp was 1,676 m in total length and had reached a depth of 162 m. It had investigated the zone from east of the Strathmore Shaft to west of the Watts Zone, the western surface extent of the No. 3 vein system, a distance of 810 m and had looked at the main mineralization on three levels to a depth of 152 m. Numerous exploration raises and drifts had been driven to sample the veins. A total of 13,715 m of surface drilling and 16,154 m of underground drilling had been completed. In April 1989, an 11,000 ton surface stockpile was shipped to a custom mill in Timmins, but the recoveries from this test sample are not known. The property has been idle since that time (Cook, R.B., 2010).

## 6.0 Geological Setting

### 6.1 Regional Geology:

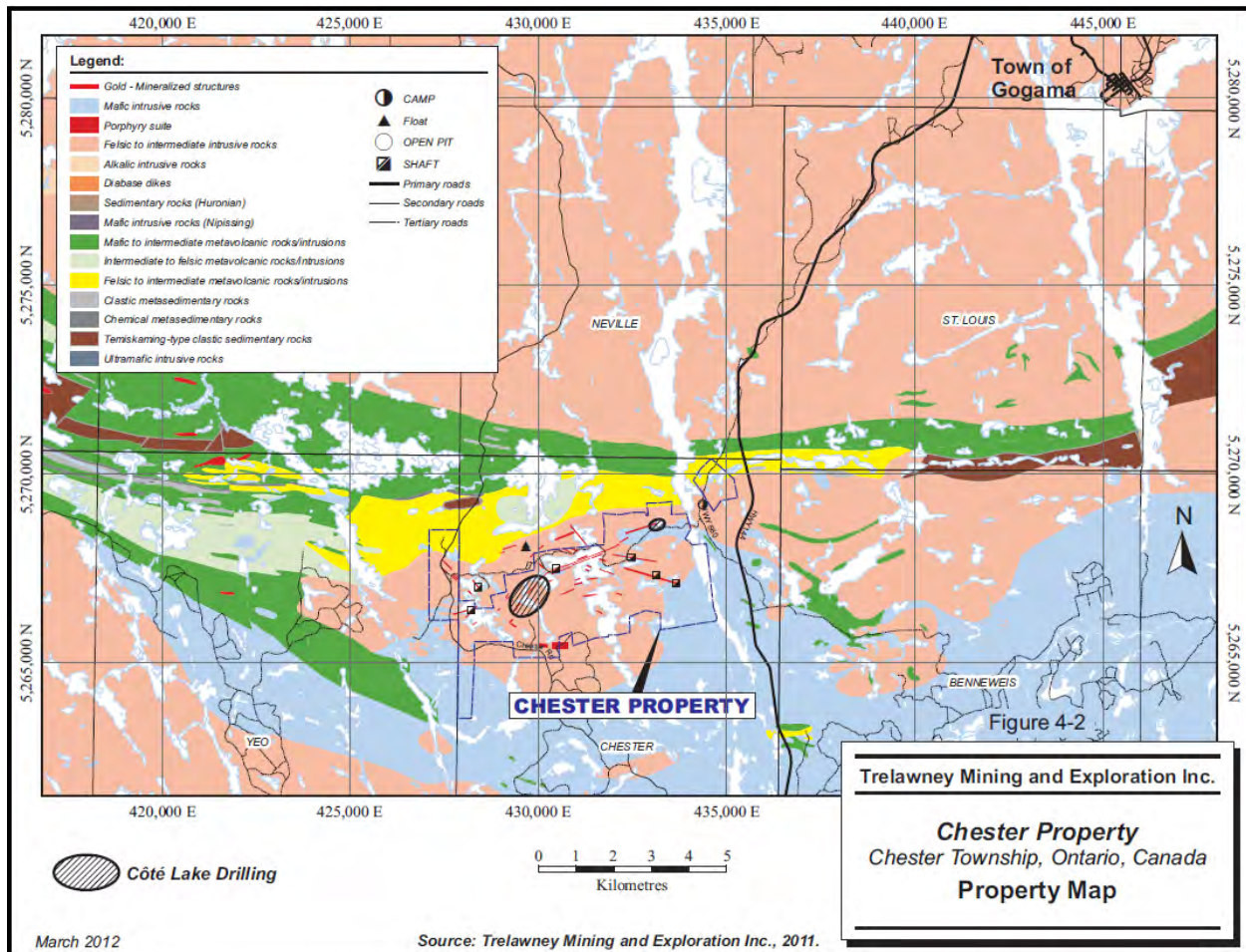
The Chester Property, where the Diamond drilling was completed, is located within the Superior Province of the Canadian Shield and the south central part of the Abitibi Sub-province. The Chester Property lies within the eastern end of the southern Swayze Greenstone Belt – a northwest trending belt of metamorphosed Archean volcanic, sedimentary and intrusive rock that is bounded on the southwest and northeast by granitoid batholiths (Ayer & Trowell, 2002). This belt is considered to be the western continuation of the mineral rich Abitibi Greenstone Belt. The Chester Property lies within the Chester Intrusive Complex (CIC). The southern basaltic belt is exposed south of Yeo Lake in Yeo Township and in local areas in the eastern part of this township. Close to the western boundary of Chester Township, this belt merges with rocks of gabbroic to dioritic composition and with migmatite.

The rocks underlying the Swayze area experienced a complex and protracted structural history of polyphase folding, development of multiple foliations, ductile high-strain zones and late brittle faulting. Shearing is common throughout the southern Swayze with foliation, shear planes and primary layering mainly sub-vertical. This portion of the Swayze hosts the Ridout Deformation Zone (RDZ), a major east-west crustal-scale high strain zone. It has been suggested that the Ridout shear zone may be the western extension of the Cadillac-Larder lake deformation zone which has significant geological and economic implications (Von Breemen et al., 2006).

Metamorphism within the southern SGB is largely upper greenschist facies.

Regional geology of the Swayze Greenstone Belt and Chester Property area is depicted in Figure 4 below which is modified from the OGS.

Figure 4: Regional Geology (Modified after OGS)



## 6.2 Property Geology:

The area of the Chester Property is underlain by calc-alkaline pyroclastic metavolcanics of felsic to intermediate composition, felsic to intermediate intrusive rocks, namely tonalite, granodiorite and trondhjemitites of the Chester Intrusive Complex (CIC) and related migmatites. The granitoid and intrusive rocks are very heterogeneous reflecting a number of primary igneous intrusive phases, migmatization and assimilation of older country rocks and local rafts and screens of intruded supracrustal lithologies. The granitoid/intrusives of the CIC vary considerably in texture and composition and contain inclusions of older rocks. The texture varies from granular to porphyritic, while in other places it has the appearance of a quartz porphyry phase.

Large north to northwest trending diabase dykes crosscut the intrusive and supracrustal rocks. Smaller diabase dykes are also mapped with northeast and southeast trends.

The area immediately underlying the drill holes consists mainly of several phases of tonalite, as well as diorite and quartz diorite with a few identified breccia units and several late north to northwesterly

trending Matachewan aged diabase dykes and other small late intrusive dykes such as Mafic, Intermediate and Lamprophyre dykes.

## 7.0 2012 Diamond Drilling Program

### 7.1 Diamond Drill Program:

The diamond drill program commenced on March 31<sup>st</sup>, 2012 and ended on June 23, 2012. Over the course of the program 18 holes were drilled totalling 5,155.85 meters within the Chester Property.

### 7.2 Technical Aspects of the Drill Program:

In general, access to the drilling area was good with use of the Chester Road. As can be seen in the drill-hole location map a secondary drill access road was necessary to establish in the drilling area.

Chenier Drilling Services Inc. of Val Caron, Ontario employed a hydraulic drill to drill BQTW sized diamond drill core (36.5 mm diameter) to a maximum down-hole depth of 399 meters. Drills were aligned using GPS and compass at the drill site by a Trelawney Mining & Exploration geologist. Core recovery was high and fairly consistent. Drill-hole inclination was surveyed at fifty meter intervals with a Reflex single shot tool which utilized a magnetic compass to measure azimuth and a pendulum inclinometer to measure dip, along with a multishot survey at the end of hole to the collar upon completion of each drill hole. Single shot reflex dip measurements were used to guide the hole while drilling took place, and the multishot survey data was used for final orientation of the drill hole.

### 7.3 Location of Drill Holes

All drill-hole collars were positioned with a Garmin 78S GPS unit.

### 7.4 Drill-Hole Information

Drill hole information is summarized below (Table 2) with UTM co-ordinates in NAD 83 Zone 17.

Table 2: Summary of Drill-Hole Information

<b>DDH</b>	<b>Easting</b>	<b>Northing</b>	<b>Elevation</b>	<b>Azimuth (deg)</b>	<b>Dip (deg)</b>	<b>Depth (m)</b>
CL12-16	430659	5266614	383	334	-49	290
CL12-17	430758	5266441	386	328	-46	300
CL12-18	430857	5266275	393	332	-46	298.2
CL12-19	430955	5266101	297	329	-46	297
CL12-20	431048	5265938	393	329	-46	300
CL12-21	431144	5265766	385	328	-45	300
CL12-22	431245	5265592	392	319	-44	82.3

CL12-23	431250	5265585	393	324	-45	300
CL12-24	431344	5265420	412	328	-44	70.6
CL12-25	431348	5265408	394	333	-40	295.75
CL12-26	431438	5265249	389	332	-43	300
CL12-27	431544	5265059	397	317	-44	300
CL12-28	431648	5264883	392	318	-45	300
CL12-29	431740	5264709	389	320	-45	367.5
CL12-30	431837	5264536	395	333	-42	301.5
CL12-31	431950	5264362	398	332	-42	399
CL12-32	432035	5264191	396	331	-44	315
CL12-33	432127	5264005	384	328	-46	339

#### 7.5 Trelawney Mining and Exploration Inc. Personnel:

The drill program was carried out by Trelawney Mining and Exploration personnel. Brian Tomczuk supervised diamond drilling in the field while . Drill core logging sampling, and RQD was performed Trelawney Mining & Exploration geologists under the supervision of Jillian Craig of Sudbury, Ontario. Core cutting was performed by core technicians. This work was conducted at Trelawney Mining and Exploration Inc.'s exploration camp (Klondike Lodge) at Mesomikenda Lake, 10km north of the junction of Highways #144 and #560.

### 8.0 QA/QC

#### 8.1 Sampling and Analysis:

Drill holes were selectively sampled by the logging geologist within prospective lithologies and prospective zones of mineralization, structure, and alteration. Samples which were selected by the logging geologist were sent for both Au Fire Assay and multi-element Aqua Regia Digestion with an ICP-OES finish. Upon completion of core logging, sampling and cutting the samples were bagged in plastic bags and then placed in a rice bag holding 10 samples and closed with a security tag. All samples were picked up at site by a freight company and delivered directly to the Accurassay Laboratories preparation facility in Sudbury, Ontario for crushing and pulverization, and were analyzed at Accurassay's main laboratory facility in Thunder Bay, Ontario. All pulp and reject material from the 2012 drilling program is held at the Accurassay laboratory facility. See Appendix B for Assay Certificates.

A total of 2611 samples were collected for Au Fire Assay and ICP analysis, including all CRMs and Blanks.

#### 8.2 Quality Assurance and Control:

This report covers the assay results received from drill holes CL12-16 to CL12-33.

A QA/QC program was carried out in accordance with Trelawney Mining and Exploration Inc. and IAMGOLD Corp standards and is described below (with details in Appendix D). For analytical results received from the drill program the reader is referred to Appendix D for a compilation of the assay certificates. Results were received between the dates November 1st, 2013 and January 30<sup>th</sup>, 2014.

Standards used were OREAS 204, OREAS 504, OREAS 206, OREAS 501, OREAS 16b, OREAS 152, OREAS 66a, OREAS 16a and OREAS 15g. Mean Au values for the standards ranged from 0.116 ppm Au – 2.21 ppm Au. Standards were inserted by Trelawney Mining and Exploration personnel every 24<sup>th</sup> sample in rotation with Blank material every 12<sup>th</sup> sample. Samples were sent to Accurassay Laboratories to the Sudbury, Ontario sample preparation facility with all other analysis performed in Thunder Bay, Ontario. All samples received a standard Au analysis with Fire Assay finish of 5ppb lower detection limit along with an Aqua Regia Digestion with an ICP-OES finish. On samples with Au assay values greater than >1 g/t a Gravimetric finish was also performed. For samples with Au values great than 5 g/t a pulp metallic screen analysis was applied.

All but one blank used passed falling below the UCL of 0.1 ppm Au with the one failure retrieving a value of 3.85 g/t Au. This failure could possibly be attributed to a technician error. Of the standards used there were only 6 failures and no technician errors were identified. All 6 of the failures were for standard OREAS 501 falling just outside of the upper 3<sup>rd</sup> standard deviation. Performance for quality control was excellent with an overall 3.4% failure rate for both standards and blanks. Refer to the QC results table for standards and blanks used in Appendix D.

## 9.0 Description of Drill Hole

Upon completion of a drill hole, Trelawney Mining & Exploration geologists completed summary logs for geological observations. Detailed geological drill logs and drill core sampling was completed at a later date. These drill logs can be found in Appendix A. The highlights of each drill hole is briefly described below. The reader should refer to Appendix C for vertical cross-sections of these drill holes.

### Drill Hole CL12-16 Results:

Drill hole CL12-16 was collared at 430659 E 5266614 N and drilled with a -49 degree dip and a 334 degree azimuth to a depth of 290 meters.

CL12-16 intersected alternating units of tonalite and diorite with a fault zone intersected at 178.90 to 184.60m. The highlight of the drill hole is sample 1413947 which was taken from 99 to 100.26 meters depth and assayed at a value of 2.13 g/t Au. This mineralization is attributed to quartz veins at the contact with a mafic dyke and is hosted within a diorite unit.

### Drill Hole CL12-17 Results:

Drill hole CL12-17 was collared at 430758 E 5266441 N and drilled with a 46 degree dip and a 388 degree azimuth to a final depth of 300 meters.

CL12-17 intersected mainly tonalite throughout but also encountered a unit of sheared tonalite with moderate chlorite and sericite alteration and weak hematite alteration. Further down the hole, tonalite breccia was intersected which hosted 3-5cm rounded to sub rounded mafic enclaves. Unfortunately this drill hole did not return any anomalous Au values.

#### Drill Hole CL12-18 Results:

Drill hole CL12-18 was collared at 430857 E 5266275 N and drilled with a 46 degree dip and a 332 degree azimuth to a final depth of 298.2 meters.

CL12-18 intersected Tonalite with intrusive mafic dykes. In general, the hole intersected short intermittent intervals of sericite + silica alteration with minor calcite and quartz veinlet flooding. Molybdenum was also noted to be along a shear near 58m depth. Unfortunately no anomalous Au values were retrieved. The mineralization highlight is sample 1259647 taken from 137 to 138m with a value of 0.22 g/t Au.

#### Drill Hole CL12-19 Results:

Drill hole CL12-19 was collared at 430955 E 5266101 N and drilled with a 46 degree dip and a 329 degree azimuth to a final depth of 297 meters.

CL12-19 intersected Tonalite with an intrusive Diabase dyke. The Tonalite unit often hosted stock work style thin chloritic fractures and quartz veinlets with silicified and albitized alteration halos. Minor Chalcopyrite and molybdenite is noted in fractures and veinlets. The mineralization highlight is a 1cm thick brecciated quartz vein hosting pyrite. This highlight comprises sample 1166001 which was taken from 17.75 to 18.25m depth.

#### Drill Hole CL12-20 Results:

Drill hole CL12-20 was collared at 431048 E 5265938 N and drilled with a 46 degree dip and a 329 degree azimuth to a final depth of 300 meters.

CL12-20 intersected Tonalite with a mafic dyke from 35.25 to 43.50 meters. The Tonalite is almost pervasively weakly hematite altered with intermittent sections of sericite alteration which are noted to be 10cm to over a meter in length and host fine grained pyrite (up to 3.5%) in chloritic fractures in a similar stock work style mineralization that was encountered in the previous drill-hole. A couple sections of crackle-breccia and more intense hematite alteration with specular hematite noted in fractures were also notable features. A sample taken from a sericite altered zone is the mineralized highlight from the hole. This was sample 205018 taken from 101 to 102 meters depth with an assay value of 0.71 g/t Au.

#### Drill Hole CL12-21 Results:

Drill hole CL12-21 was collared at 431144 E 5265766 N and drilled with a 45 degree dip and a 328 degree azimuth to a final depth of 300 meters.



Similar to CL12-20, CL12-21 intersected Tonalite with an intrusive mafic dyke. The Tonalite varies from pink in colour with weak hematite alteration to light grey with albite alteration. Chloritic fractures are common throughout with minor pyrite along the fracture. Sericite alteration halos along fractures are also noted. Sections of the Tonalite also host mafic enclaves. Small injections of strongly albitized Tonalite are also found. Mineralization is generally heightened within sericitized zones as well as within sericite altered halos marginal to veins and fractures averaging ~1% pyrite with as much as 3% py and 0.2% cpy. Both mineralized highlights, sample 205155 taken from 222 to 223 meters with an assay value of 0.92 g/t Au and sample 205181 taken from 255 to 256 m with an assay value of 0.49 g/t Au were taken in within a sericitized zone with stock work type mineralization.

#### Drill Hole CL12-22 Results:

Drill hole CL12-22 was collared at 431245 E 5265592 N and drilled with a 44 degree dip and a 319 degree azimuth to a final depth of 82.3 meters.

Drill hole CL12-22 intersected alternating units of Tonalite and Diorite with intrusive Diabase Dykes. This drill hole was stopped early due to the drill intersected a seam or fault which caused the rods to get stuck. Highlights of this drill hole was a Quartz-carbonate-biotite vein at the lower contact of a Diorite unit with Tonalite, which hosted trace fine grained pyrite. A stockwork zone within Tonalite also had epidote and sericite along fractures and veins with trace to 0.1% pyrite. There are no anomalous assay results to report.

#### Drill Hole CL12-23 Results:

Drill hole CL12-23 was collared at 431250 E 5265585 N and drilled with a 45 degree dip and a 324 degree azimuth to a final depth of 300 meters.

Drill hole CL12-23 intersected Tonalite with intrusive Mafic and Diabase Dykes. CL12-23 was the most significantly visually mineralized drill hole from the Diamond drilling program as it hosted the most abundant sericitized zones as well as chloritic stock works and quartz veins with sericitized alteration halos. CL12-23 hosted 15 different narrow zones of stock work mineralization ranging from 0.2 to 34m wide from 112.50 to 295.70m with as little as 0.2% py in few zones to as much as 1% pyrite with up to 1.2% py in veins as well as trace to 0.1% moly and 0.3% pyrrhotite. This type of mineralization was seen throughout the hole. Mineralization highlights within CL12-23 are two samples. Sample 205307 taken from 238 to 239 meters depth with an assay value of 6.37 g/t Au and Sample 205312 taken from 288 to 289 meters depth which assayed at 6.67 g/t Au.

#### Drill Hole CL12-24 Results:

Drill hole CL12-24 was collared at 431344 E 5265420 N and drilled with a 44 degree dip and a 328 degree azimuth to a final depth of 70.6 meters.

CL12-24 intersected both Diabase Dyke and Tonalite. The drill hole was cut short due to the drill rods getting stuck. Mineralization was generally weak throughout the hole with minor fine grained pyrite noted along fractures. There are no anomalous Au values to report.

#### Drill Hole CL12-25 Results:

Drill hole CL12-25 was collared at 431348 E 5265408 N and drilled with a 40 degree dip and a 333 degree azimuth to a final depth of 295.75 meters.

CL12-25 intersected Tonalite, Diorite and a Diabase Dyke. CL12-25 hosted six 1 to 57 meter long sericitized and silicified mineralized stock work zones between 53.90 to 239m hosting 0.2 to 0.8% py. Most notable in CL12-25 is a 1m long stock work zone from 214 to 215m with a 2cm thick white quartz-carb vein at 65 degrees to core axis at 214.70m which hosts 17 specks of VG as well as 0.7% py and 0.35% cpy. This vein was sample 205436 which retrieved a value of 19.01 g/t Au and is the highest assay retrieved over the Diamond drilling campaign.

#### Drill Hole CL12-26 Results:

Drill hole CL12-26 was collared at 431438 E 5265249 N and drilled with a 43 degree dip and a 332 degree azimuth to a final depth of 300 meters.

CL12-26 intersected alternating units of Tonalite with Diorite and Quartz Diorite but also a Magma-mixing breccia unit between Quartz Diorite and Tonalite as well as a Diabase and Mafic Dyke. Tonalite hosts sections of stock work type mineralization with silicified and sericitized alteration halos marginal to veins. A distinct zone of strong pervasive sericite alteration is intersected from 250 to 281 meters. The mineralization highlight in this hole is the interval from 42 to 43 meters depth which is strongly silicified, sericitized and contains layers and veinlets of pyrrhotite (1-3%) and pyrite (0.5%). Sample 178810 was taken from 42 to 43 meters depth with an assay value of 0.42 g/t Au.

#### Drill Hole CL12-27 Results:

Drill hole CL12-27 was collared at 431544 E 5265059 N and drilled with a 44 degree dip and a 317 degree azimuth to a final depth of 300 meters.

CL12-27 intersected Tonalite with a Diabase dyke. Similarly to the other drill holes CL12-27 intersected intermittent zones of sericite alteration and chloritic fractures hosting minor pyrite and veins with sericite altered halos. A short zone of pervasive sericite alteration with fractures hosting minor py+cpy+po is intersected from 236 to 238m. This is where the mineralization highlight of the hole was found with sample 242108 taken from 237 to 238 meters with an assay value of 0.67 g/t Au.

#### Drill Hole CL12-28 Results:

Drill hole CL12-28 was collared at 431648 E 5264883 N and drilled with a 45 degree dip and a 318 degree azimuth to a final depth of 300 meters.

CL12-28 intersected alternating units of Tonalite, Diorite and Quartz Diorite with Mafic, Intermediate and Lamprophyre Dykes intruding the sequence. Again, stock work type mineralization and alteration are intersected in this hole. From 14 to 42.1m the hole intersects a 28m long zone of pervasive sericite alteration with ~0.3% py with tr to 0.1% py in quartz veins. Following an intermediate dyke from 43.10

to 46.65m the Tonalite hosts stock work-style mineralization with minor fg py, ~0.1-0.2% in fractures and veinlets with silicified and sericitized alteration halos bounding veins and fractures from 46.65 to 52m with up to ~0.5% pyrite in veins. This stock work type mineralization & alteration is again prevalent for intermittent sequences throughout the drill hole. From 97.8 to 103.30m pink hematite altered crackle-brecciated Tonalite is intersected. Several chloritic fractures result in a crackle-brecciated texture throughout the tonalite. Approximately 0.15% fine-grained pyrite is hosted within fractures with trace pyrite in veins. Although alteration and mineralization appeared favorable, no anomalous Au assay values were received.

#### Drill Hole CL12-29 Results:

Drill hole CL12-29 was collared at 431740 E 5264709 N and drilled with a 45 degree dip and a 320 degree azimuth to a final depth of 367.5 meters.

CL12-29 intersected Tonalite with a Diabase dyke. Similar to the other drill holes CL12-29 also intersects sporadic intermittent to patchy areas with sericite alteration and stock work zones consisting of quartz-chlorite stringers with silicified and sericitized alteration halos hosted within the Tonalite unit. There are no anomalous assay results to report.

#### Drill Hole CL12-30 Results:

Drill hole CL12-30 was collared at 431837 E 5264536 N and drilled with a 42 degree dip and a 333 degree azimuth to a final depth of 301.5 meters.

CL12-30 intersected dominantly Tonalite with a few Lamprophyre dykes and a Diabase dyke. Fracture controlled (in stock work zones) and disseminated fine grained pyrite is found throughout the hole. Up to 2% py and trace cpy is noted within quartz veins. The Tonalite shows varied alteration with pervasive albitization and biotization, with patchy sericitization, silicification. Some hematite filled fractures and few areas of hematization and epidotization within chlorite filled fractures. There are no anomalous results to report for this drill hole.

#### Drill Hole CL12-31 Results:

Drill hole CL12-31 was collared at 431950 E 5264362 N and drilled with a 42 degree dip and a 332 degree azimuth to a final depth of 399 meters.

CL12-31 intersected mainly units of Tonalite with a couple Mafic dykes and a Diabase dyke. Throughout the hole silicified alteration halos are common along quartz veinlets. Sericitized alteration halos and short zones occur along stringers and fractures below 45 meters. Pervasive weak to moderate sericite alteration is found roughly from 61m to 211 meters. Intermittent zones of sericite alteration and stockwork continues throughout the Tonalite within the hole. Sample 408948 was taken from 82 to 83 meters and retrieved an assay value of 0.43 g/t Au. The sample falls within a sericite alteration zone.

#### Drill Hole CL12-32 Results:

Drill hole CL12-32 was collared at 432035 E 5264191 N and drilled with a 44 degree dip and a 331 degree azimuth to a final depth of 315 meters.

CL12-32 intersected several sequences of Tonalite, Diorite, Magma-mixing Breccia and Diabase dykes. Note that the Magma-mixing Breccia is not a true Breccia but rather a contact effect between the Tonalite and Diorite units where the two magmas appear to be co-mingling at the contacts. Pervasive silicification and localized sericite is noted below 100m depth in a Tonalite unit. Sericite alteration halos are seen throughout the Tonalite units. These altered zones and halos are significantly less prevalent in this hole in comparison to the previous drill holes as the drill hole approaches stratigraphy dominated by Diorite rather than Tonalite. There are no significant assay values to report.

#### Drill Hole CL12-33 Results:

Drill hole CL12-33 was collared at 432127 E 5264005 N and drilled with a 46 degree dip and a 328 degree azimuth to a final depth of 339 meters.

CL12-33 intersected Diorite and Magma-mixing Breccia along with a Diabase dyke. The Magma-mixing unit is described in more detail within the logs but as described in the previous hole is typically near the contacts between Tonalite and Diorite. Minor porphyritic sections are noted within the Magma-mixing units. Chlorite alteration is often noted as well as biotization and albitization of feldspar grains. Mineralization throughout the hole is very weak. There are no anomalous assay values to report.

## 10.0 Conclusions:

Trelawney Mining and Exploration Inc. completed 18 drill holes totaling 5,155.85 meters in a Diamond drill program to test the stratigraphy southeast the Côté Deposit for the potential to host economic Au concentrations. The goal was to identify whether the area had potential to host favourable lithologies, alteration types and sulphide mineralization to host Au mineralization.

Drilling resulted in a better understanding and definition of the local stratigraphy. The drilling also identified that stockwork type mineralization was most abundantly intersected with favourable alteration types intermittently intersected throughout most of the drill holes.

## 11.0 Recommendations:

No further drilling is not recommended at this time however follow-up work on the areas hosting the most significant Au assay results, CL12-23 and CL12-25 should be performed. Recommended work should include geological mapping and sampling along with lithogeochemistry and geophysical surveying to further investigate these anomalous results.

## 12.0 References:

Roscoe, W.E., Cook, R.B., 2012; Technical Report on the Cote Lake Resource Update, Chester Property, Ontario, Canada

Cook, R. B., 2010: Technical Report on the Chester Township Properties, Ontario, Canada

Von Breeman, O., Heather, K.B., and Ayer, J.A., 2006; U-Pb geochronology of the Neoarchean Swayze sector of the southern Abitibi greenstone belt; GSC Current Research 2006-F1, 32p.

Ayer, J. A. and Trowell, N.F. 2002. Geological compilation of the Swayze area, Abitibi greenstone belt; Ontario Geological Survey, Preliminary Map P.3511, scale 1:100,000

### 13.0 Statement of Qualifications:

Jillian Craig, B.Sc, Geology; P.Geo

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Email: [jillian\\_craig@iamgold.com](mailto:jillian_craig@iamgold.com)

Address : 10-2 Gribble street, Copper cliff, On, Canada, p0m1n0

I, Jillian Craig, do hereby certify that:

I have been a geologist for IAMGOLD Corporation, formerly Trelawney Mining and Exploration Inc., since July 19<sup>th</sup>, 2010.

I graduated with a B. Sc. Majoring in Geology from the University of New Brunswick in 2008.

I am responsible in part for the preparation of this assessment report.

I am a registered practicing professional member (P. Geo) of the Association of Professional Geoscientists of Ontario, Member 2471.

I have been involved with the Chester-area diamond drilling programs of Trelawney Mining & Exploration Inc. since September, 2011.

Dated this the twenty-fifth day of March, 2015.

Jillian Craig, B.Sc. (Geology), P.Geo

## STATEMENT OF QUALIFICATIONS – BRIAN TOMCZUK

I, Brian Tomczuk of 5 Sussex Court, St.Catharines, ON hereby certify that:

1. I am a graduate of Laurentian University's Earth Science Degree (B.Sc. Honors) program in 2012 and currently completing an Applied M.Sc Degree in Geology – Mineral Exploration at Laurentian University.
2. I have been working in the field of geology for 5 years since my graduation.
3. I am currently employed by Trelawney Mining & Exploration Inc., a wholly-owned subsidiary of IAMGOLD Corp. as a senior field geologist since May 27, 2010.
4. I am a practicing member in good standing with the Association of Professional Geoscientists of Ontario (Member Number 2401)
5. Statements within this report are based on my personal observations made under direct supervision of the diamond drilling program and I have no interest either direct or indirect pertaining to the properties included in this report, nor do I expect any.

Dated this March 26, 2015



Brian Tomczuk



## Appendices

## Appendix A: Diamond Drill Logs

# DRILL HOLE REPORT

Hole Number: **CL12-00016**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 334	<b>Length:</b> 0	<b>Dimension:</b> BQTW	<b>Claim No.:</b> 1213796	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -49	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 290	<b>Capped:</b> Yes	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 02-Apr-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 06-Apr-12	<b>Left in hole:</b> no	<b>Logged by:</b> nkennedy	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 06-May-12	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su:</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
<b>Comment:</b>			<b>East:</b> 430659.8	<b>East:</b> 430660
			<b>North:</b> 5266614	<b>North:</b> 5266611
			<b>Elev.:</b> 383.07	<b>Elev.:</b> 387
				<b>Coordinate - Local</b>
				<b>East:</b> 9900
				<b>North:</b> 9300
				<b>Elev.:</b> 387

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	334.00	-49.00	0	0	0	0	C	<input checked="" type="checkbox"/>	
18.00	333.80	-48.70	0	0	0	55590	Flexit	<input checked="" type="checkbox"/>	
51.00	326.70	-48.00	0	0	0	55590	Flexit	<input checked="" type="checkbox"/>	
102.00	327.30	-47.20	0	0	0	55560	Flexit	<input checked="" type="checkbox"/>	
150.00	322.70	-44.50	0	0	0	55560	Flexit	<input checked="" type="checkbox"/>	
250.00	328.30	-43.70	0	0	0	55660	Flexit	<input checked="" type="checkbox"/>	
290.00	330.20	-43.00	0	0	0	54290	Flexit	<input checked="" type="checkbox"/>	

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00016**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
0.00	7.80	<b>OB Overburden</b>										
Casing/overburden 7.80 m. There is overburden; broken core 7.45-7.80 m which is not sampled.												
7.80	20.10	<b>IITNL Tonalite</b> <b>T</b>										
The interval is composed of both Mafic dyke (7.80-10.50 m) and altered granodiorite 10.50 m-20.10 m with intervening small greenish bands of mafic dykes 11.60-12.10m and 14.40-14.80 m. The core box no 1 contains overburden broken core which is not insitu												
				1413850	7.80	9.00	1.20	<0	-	<0.01	-	-
				1413851	9.00	10.50	1.50	<0	-	<0.01	-	-
				1413852	10.50	11.60	1.10	0	-	0.08	-	-
				1413853	11.60	12.10	0.50	<0	-	<0.01	-	-
				1413854	12.10	13.00	0.90	<0	-	<0.01	-	-
				1413855	13.00	14.00	1.00	<0	-	<0.01	-	-
				1413856	14.00	15.00	1.00	<0	-	<0.01	-	-
				1413857	15.00	16.00	1.00	<0	-	<0.01	-	-
				1413858	16.00	17.00	1.00	<0	-	<0.01	-	-
				1413859	17.00	18.00	1.00	<0	-	<0.01	<0.01	-
				1413861	18.00	19.00	1.00	0	-	0.01	-	-
				1413862	19.00	20.10	1.10	<0	-	<0.01	-	-

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00016**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
20.10	44.00	<b>IM Mafic Dyke</b>		1413863	20.10	21.00	0.90	<0	-	<0.01	-	-
"Predominantly 82% greenish grey mafic dyke from 20.10-30.40 m and 34-44 m; with intervening 18% bands of altered granodiorite from 30.40-34 m 42.30-43.0 m.												
				1413864	21.00	22.00	1.00	0	-	0.01	-	-
				1413865	22.00	23.00	1.00	<0	-	<0.01	-	-
				1413866	23.00	24.00	1.00	<0	-	<0.01	-	-
				1413867	24.00	25.00	1.00	0	-	0.02	-	-
				1413868	25.00	26.00	1.00	0	-	0.02	-	-
				1413869	26.00	27.00	1.00	0	-	0.04	0.04	-
				1413870	27.00	28.00	1.00	0	-	0.08	-	-
				1413871	28.00	29.00	1.00	0	-	0.04	-	-
				1413872	29.00	30.40	1.40	<0	-	<0.01	-	-
				1413873	30.40	31.00	0.60	<0	-	<0.01	-	-
				1413875	31.00	32.00	1.00	0	-	0.01	-	-
				1413876	32.00	33.00	1.00	<0	-	<0.01	-	-
				1413877	33.00	34.00	1.00	<0	-	<0.01	-	-
				1413878	34.00	35.00	1.00	<0	-	<0.01	-	-
				1413879	35.00	36.00	1.00	<0	-	<0.01	<0.01	-
				1413880	36.00	37.00	1.00	<0	-	<0.01	-	-
				1413881	37.00	38.00	1.00	<0	-	<0.01	-	-
				1413882	38.00	39.00	1.00	<0	-	<0.01	-	-
				1413883	39.00	40.00	1.00	<0	-	<0.01	-	-
				1413884	40.00	41.00	1.00	0	-	0.01	-	-
				1413885	41.00	42.00	1.00	<0	-	<0.01	-	-
				1413886	42.00	43.00	1.00	<0	-	<0.01	-	-
				1413887	43.00	44.00	1.00	<0	-	<0.01	-	-

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00016**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
44.00	58.00	<b>IITNL Tonalite</b> T		1413888	44.00	45.50	1.50	<0	-	<0.01	-	-
		The interval is mainly 80% composed of light greyish to whitish grey; fine to medium grained massive highly silicified; feldspathized altered granodiorite. Locally bands are silica dumped and look like quartzolite. local massive white quartz veins are present		1413890	45.50	47.00	1.50	<0	-	<0.01	-	-
			1413891	47.00	48.00	1.00	<0	-	<0.01	-	-	
			1413892	48.00	49.00	1.00	<0	-	<0.01	-	-	
			1413893	49.00	50.00	1.00	<0	-	<0.01	-	-	
			1413894	50.00	51.00	1.00	<0	-	<0.01	-	-	
			1413895	51.00	52.00	1.00	<0	-	<0.01	-	-	
			1413896	52.00	53.00	1.00	<0	-	<0.01	-	-	
			1413897	53.00	54.00	1.00	<0	-	<0.01	-	-	
			1413898	54.00	55.00	1.00	<0	-	<0.01	-	-	
			1413899	55.00	56.00	1.00	<0	-	<0.01	<0.01	-	
			1413900	56.00	57.00	1.00	<0	-	<0.01	-	-	
			1413901	57.00	58.00	1.00	<0	-	<0.01	-	-	
58.00	104.14	<b>IIDR Diorite</b>		1413902	58.00	59.00	1.00	<0	-	<0.01	-	-
		Dark greenish to light greenish grey; medium grained; massive to locally foliated diorite. The main unit contain small bands dykes/ xenoliths of altered granodiorite from 30 cm to over 1 m thick. The diorite; which in parts is similar to mafic dykes; is co		1413903	59.00	60.00	1.00	<0	-	<0.01	-	-
			1413904	60.00	61.00	1.00	<0	-	<0.01	-	-	
			1413906	61.00	61.58	0.58	<0	-	<0.01	-	-	
			1413907	61.58	63.00	1.42	<0	-	<0.01	-	-	
			1413908	63.00	64.00	1.00	<0	-	<0.01	-	-	
			1413909	64.00	65.00	1.00	<0	-	<0.01	<0.01	-	
			1413910	65.00	66.00	1.00	<0	-	<0.01	-	-	
			1413911	66.00	67.00	1.00	<0	-	<0.01	-	-	
			1413912	67.00	68.00	1.00	0	-	0.01	-	-	
			1413913	68.00	69.00	1.00	<0	-	<0.01	-	-	
			1413914	69.00	70.00	1.00	<0	-	<0.01	-	-	
			1413915	70.00	71.00	1.00	<0	-	<0.01	-	-	
			1413916	71.00	72.00	1.00	0	-	0.01	-	-	

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00016**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)
				1413917	72.00	73.00	1.00	0	-	0.01	-	-
				1413919	73.00	74.00	1.00	<0	-	<0.01	<0.01	-
				1413920	74.00	75.00	1.00	0	-	0.01	-	-
				1413921	75.00	76.00	1.00	<0	-	<0.01	-	-
				1413922	76.00	77.00	1.00	<0	-	<0.01	-	-
				1413923	77.00	78.29	1.29	<0	-	<0.01	-	-
				1413924	78.29	79.50	1.21	<0	-	<0.01	-	-
				1413925	79.50	80.00	0.50	<0	-	<0.01	-	-
				1413926	80.00	81.00	1.00	<0	-	<0.01	-	-
				1413927	81.00	82.00	1.00	<0	-	<0.01	-	-
				1413928	82.00	82.70	0.70	<0	-	<0.01	-	-
				1413929	82.70	84.00	1.30	0	-	0.04	0.06	-
				1413930	84.00	85.20	1.20	<0	-	<0.01	-	-
				1413931	85.20	86.00	0.80	<0	-	<0.01	-	-
				1413932	86.00	87.00	1.00	0	-	0.01	-	-
				1413934	87.00	88.00	1.00	0	-	0.01	-	-
				1413935	88.00	89.00	1.00	<0	-	<0.01	-	-
				1413936	89.00	90.15	1.15	0	-	0.01	-	-
				1413938	90.15	91.00	0.85	<0	-	<0.01	-	-
				1413939	91.00	92.00	1.00	<0	-	<0.01	-	-
				1413940	92.00	93.00	1.00	0	-	0.09	-	-
				1413941	93.00	94.00	1.00	2	-	1.85	-	-
				1413942	94.00	94.75	0.75	<0	-	<0.01	-	-
				1413943	94.75	96.00	1.25	<0	-	<0.01	-	-
				1413944	96.00	97.00	1.00	0	-	0.01	-	-
				1413945	97.00	98.00	1.00	0	-	0.01	-	-
				1413946	98.00	99.00	1.00	0	-	0.03	-	-

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00016**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
				1413947	99.00	100.26	1.26	2	-	2.62	2.26	-
				1413948	100.26	101.26	1.00	0	-	0.01	-	-
				1413950	101.26	102.00	0.74	<0	-	<0.01	-	-
				1413951	102.00	103.00	1.00	<0	-	<0.01	-	-
				1413952	103.00	104.14	1.14	0	-	0.01	-	-
104.14	178.90	<b>IITNL Tonalite</b> <b>T</b>		1413953	104.14	105.00	0.86	<0	-	<0.01	-	-
		104.14-124.46 m Altered granodiorite. Light greyish; to pistachio greenish and local maroonish grey; fine to medium grained; moderately; epidotized; silicified; feldspathized; hamatized. Chlorite; amphibole; epidote spots and veinlets 15-20% in quartz fel		1413954	105.00	106.00	1.00	<0	-	<0.01	-	-
				1413955	106.00	107.00	1.00	<0	-	<0.01	-	-
				1413956	107.00	108.00	1.00	<0	-	<0.01	-	-
				1413957	108.00	109.00	1.00	<0	-	<0.01	<0.01	-
				1413958	109.00	110.00	1.00	0	-	0.01	-	-
				1413959	110.00	111.00	1.00	0	-	0.01	-	-
				1413960	111.00	112.00	1.00	<0	-	<0.01	-	-
				1413961	112.00	113.00	1.00	<0	-	<0.01	-	-
				1413962	113.00	114.00	1.00	<0	-	<0.01	-	-
				1413964	114.00	114.75	0.75	<0	-	<0.01	-	-
				1413965	114.75	116.00	1.25	<0	-	<0.01	-	-
				1413966	116.00	117.00	1.00	<0	-	<0.01	-	-
				1413967	117.00	118.00	1.00	<0	-	<0.01	0.01	-
				1413968	118.00	119.00	1.00	0	-	0.01	-	-
				1413969	119.00	120.35	1.35	<0	-	<0.01	-	-
				1413970	120.35	121.00	0.65	<0	-	<0.01	-	-
				1413971	121.00	121.82	0.82	<0	-	<0.01	-	-
				1413972	121.82	123.00	1.18	<0	-	<0.01	-	-
				1413973	123.00	124.00	1.00	<0	-	<0.01	-	-
				1413974	124.00	125.00	1.00	<0	-	<0.01	-	-
				1413975	125.00	126.00	1.00	<0	-	<0.01	-	-



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Hole Number **CL12-00016**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
				1413976	126.00	127.00	1.00	<0	-	<0.01	-	-
				1413978	127.00	127.70	0.70	<0	-	<0.01	-	-
				1413979	127.70	128.88	1.18	<0	-	<0.01	-	-
				1413980	128.88	130.10	1.22	0	-	0.02	-	-
				1413981	130.10	130.80	0.70	<0	-	<0.01	-	-
				1413982	130.80	131.60	0.80	0	-	0.01	-	-
				1413983	131.60	133.00	1.40	0	-	0.01	-	-
				1413984	133.00	134.00	1.00	<0	-	<0.01	-	-
				1413985	134.00	135.00	1.00	0	-	0.01	-	-
				1413986	135.00	135.80	0.80	0	-	0.01	-	-
				1413987	135.80	137.00	1.20	0	-	0.06	-	-
				1413988	137.00	138.00	1.00	0	-	0.01	-	-
				1413989	138.00	138.50	0.50	0	-	0.02	-	-
				1413991	138.50	139.40	0.90	0	-	0.01	-	-
				1413992	139.40	140.00	0.60	0	-	0.01	-	-
				1413993	140.00	141.00	1.00	<0	-	<0.01	-	-
				1413994	141.00	142.00	1.00	0	-	0.03	-	-
				1413995	142.00	143.00	1.00	0	-	0.01	-	-
				1413996	143.00	143.80	0.80	0	-	0.02	-	-
				1413997	143.80	144.65	0.85	<0	-	<0.01	-	-
				1413998	144.65	146.00	1.35	0	-	0.01	-	-
				1413999	146.00	147.00	1.00	0	-	0.01	-	-
				1414000	147.00	148.00	1.00	0	-	0.02	0.01	-
				1299001	148.00	149.00	1.00	0	-	0.01	-	-
				1299002	149.00	150.00	1.00	0	-	0.01	-	-
				1299003	150.00	151.00	1.00	0	-	0.09	-	-
				1299005	151.00	152.00	1.00	0	-	0.01	-	-

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Hole Number **CL12-00016**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
				1299006	152.00	153.00	1.00	0	-	0.01	-	-
				1299007	153.00	153.87	0.87	0	-	0.01	-	-
				1299008	153.87	155.00	1.13	0	-	0.02	-	-
				1299009	155.00	155.74	0.74	0	-	0.02	-	-
				1299011	155.74	157.00	1.26	<0	-	<0.01	-	-
				1299012	157.00	158.00	1.00	0	-	0.02	-	-
				1299013	158.00	159.00	1.00	0	-	0.01	-	-
				1299014	159.00	160.00	1.00	0	-	0.03	-	-
				1299015	160.00	161.00	1.00	<0	-	<0.01	-	-
				1299016	161.00	162.00	1.00	0	-	0.04	-	-
				1299017	162.00	163.00	1.00	<0	-	<0.01	-	-
				1299018	163.00	164.00	1.00	0	-	0.02	-	-
				1299019	164.00	165.00	1.00	0	-	0.01	-	-
				1299020	165.00	166.00	1.00	0	-	0.01	0.01	-
				1299021	166.00	167.00	1.00	<0	-	<0.01	-	-
				1299022	167.00	168.00	1.00	0	-	0.01	-	-
				1299023	168.00	169.00	1.00	<0	-	<0.01	-	-
				1299024	169.00	170.00	1.00	<0	-	<0.01	-	-
				1299025	170.00	170.60	0.60	<0	-	<0.01	-	-
				1299026	170.60	171.49	0.89	0	-	0.01	-	-
				1299028	171.49	172.00	0.51	0	-	0.01	-	-
				1299029	172.00	173.00	1.00	0	-	0.01	-	-
				1299030	173.00	174.00	1.00	0	-	0.02	0.04	-
				1299031	174.00	174.50	0.50	0	-	0.01	-	-
				1299032	174.50	176.00	1.50	0	-	0.01	-	-
				1299033	176.00	177.00	1.00	0	-	0.01	-	-
				1299034	177.00	178.00	1.00	<0	-	<0.01	-	-

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Hole Number **CL12-00016**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
				1299035	178.00	178.90	0.90	0	-	0.01	-	-
178.90	184.60	<b>FLT Fault Zone</b> small mnor fault zone w in the ALTGD unit; weak to mod hem altn throughout; zones of mod the strong slfn and mnor fine grained lx; unit has a bleached appearance w zones of mnor brecciation w later annealing; mnor argillic altn; mnor puzzle breccia w angu		1299036	178.90	180.00	1.10	<0	-	<0.01	-	-
				1299037	180.00	181.00	1.00	<0	-	<0.01	-	-
				1299038	181.00	182.00	1.00	0	-	0.03	-	-
				1299039	182.00	183.00	1.00	0	-	0.01	-	-
				1299041	183.00	184.36	1.36	0	-	0.02	-	-
184.60	238.15	<b>IITNL Tonalite</b> T unit is whitish grey to reddish in color; coarse grained; massive structure; primary phaneritic equigranular texture is masked by strong silica replacement and pervasive altn; unit is composed of 60-70% feldspar; 20-25% qtz; 10-20% amphibole biotite and m		1299042	184.36	185.00	0.64	0	-	0.01	-	-
				1299043	185.00	185.67	0.67	0	-	0.01	-	-
				1299044	185.67	187.00	1.33	<0	-	<0.01	-	-
				1299045	187.00	188.00	1.00	0	-	0.01	-	-
				1299046	188.00	189.00	1.00	0	-	0.01	-	-
				1299047	189.00	189.63	0.63	0	-	0.01	-	-
				1299048	189.63	190.20	0.57	<0	-	<0.01	-	-
				1299049	190.20	191.00	0.80	0	-	0.01	-	-
				1299050	191.00	192.00	1.00	0	-	0.02	0.02	-
				1299051	192.00	193.00	1.00	0	-	0.02	-	-
				1299052	193.00	194.00	1.00	0	-	0.01	-	-
				1299054	194.00	195.00	1.00	0	-	0.01	-	-
				1299055	195.00	196.00	1.00	0	-	0.01	-	-
				1299056	196.00	197.00	1.00	<0	-	<0.01	-	-
				1299057	197.00	198.00	1.00	0	-	0.01	-	-
				1299058	198.00	199.00	1.00	0	-	0.01	-	-
				1299059	199.00	200.00	1.00	0	-	0.01	-	-

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				1299060	200.00	201.00	1.00	0	-	0.01	0.02	-
				1299061	201.00	202.00	1.00	0	-	0.01	-	-
				1299062	202.00	203.00	1.00	0	-	0.03	-	-
				1299063	203.00	204.00	1.00	0	-	0.02	-	-
				1299064	204.00	205.00	1.00	<0	-	<0.01	-	-
				1299065	205.00	206.00	1.00	0	-	0.03	-	-
				1299067	206.00	207.00	1.00	0	-	0.10	-	-
				1299068	207.00	208.00	1.00	0	-	0.04	-	-
				1299069	208.00	209.00	1.00	0	-	0.01	-	-
				1299070	209.00	210.00	1.00	0	-	0.01	0.01	-
				1299071	210.00	211.00	1.00	0	-	0.02	-	-
				1299072	211.00	212.00	1.00	0	-	0.02	-	-
				1299073	212.00	213.00	1.00	0	-	0.01	-	-
				1299074	213.00	214.00	1.00	0	-	0.01	-	-
				1299075	214.00	215.00	1.00	<0	-	<0.01	-	-
				1299076	215.00	216.00	1.00	0	-	0.01	-	-
				1299077	216.00	217.00	1.00	0	-	0.01	-	-
				1299078	217.00	218.00	1.00	0	-	0.01	-	-
				1299080	218.00	219.00	1.00	0	-	0.01	<0.01	-
				1299081	219.00	220.00	1.00	<0	-	<0.01	-	-
				1299082	220.00	221.00	1.00	<0	-	<0.01	-	-
				1299083	221.00	222.00	1.00	<0	-	<0.01	-	-
				1299084	222.00	223.00	1.00	<0	-	<0.01	-	-
				1299085	223.00	224.00	1.00	<0	-	<0.01	-	-
				1299086	224.00	225.00	1.00	<0	-	<0.01	-	-
				1299087	225.00	226.00	1.00	<0	-	<0.01	-	-
				1299088	226.00	227.00	1.00	<0	-	<0.01	-	-

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				1299089	227.00	228.00	1.00	<0	-	<0.01	-	-
				1299090	228.00	229.00	1.00	<0	-	<0.01	<0.01	-
				1299091	229.00	230.00	1.00	<0	-	<0.01	-	-
				1299093	230.00	231.00	1.00	<0	-	<0.01	-	-
				1299094	231.00	232.00	1.00	0	-	0.01	-	-
				1299095	232.00	233.00	1.00	0	-	0.01	-	-
				1299096	233.00	234.00	1.00	<0	-	<0.01	-	-
				1299097	234.00	235.00	1.00	0	-	0.01	-	-
				1299098	235.00	236.00	1.00	<0	-	<0.01	-	-
				1299099	236.00	237.00	1.00	0	-	0.01	-	-
				1299100	237.00	238.15	1.15	<0	-	<0.01	<0.01	-
238.15	281.60	<b>IHDR Diorite</b>		1299101	238.15	239.00	0.85	0	-	0.01	-	-
		unit is light to dark green in color; fine to medium grained; massive structure; phaneritic equigranular texture w a few zones w a glomeroporphyritic texture w amorphous aggregates of qtz and feldspar phenocrysts; unit is composed of > 50% feldspar; 20-30%		1299102	239.00	240.00	1.00	<0	-	<0.01	-	-
				1299103	240.00	241.00	1.00	0	-	0.01	-	-
				1299104	241.00	242.00	1.00	<0	-	<0.01	-	-
				1299106	242.00	243.00	1.00	<0	-	<0.01	-	-
				1299107	243.00	244.00	1.00	<0	-	<0.01	-	-
				1299108	244.00	245.00	1.00	<0	-	<0.01	-	-
				1299109	245.00	246.00	1.00	<0	-	<0.01	-	-
				1299110	246.00	247.00	1.00	<0	-	<0.01	0.01	-
				1299111	247.00	248.00	1.00	0	-	0.01	-	-
				1299112	248.00	249.00	1.00	<0	-	<0.01	-	-
				1299113	249.00	250.00	1.00	0	-	0.01	-	-
				1299114	250.00	251.00	1.00	<0	-	<0.01	-	-
				1299115	251.00	252.00	1.00	<0	-	<0.01	-	-
				1299116	252.00	253.00	1.00	<0	-	<0.01	-	-
				1299117	253.00	254.00	1.00	0	-	0.01	-	-

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<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
				1299119	254.00	255.00	1.00	0	-	0.02	-	-
				1299120	255.00	256.00	1.00	0	-	0.01	<0.01	-
				1299121	256.00	257.00	1.00	<0	-	<0.01	-	-
				1299122	257.00	258.00	1.00	0	-	0.01	-	-
				1299123	258.00	259.00	1.00	<0	-	<0.01	-	-
				1299124	259.00	260.00	1.00	<0	-	<0.01	-	-
				1299125	260.00	261.00	1.00	<0	-	<0.01	-	-
				1299126	261.00	262.00	1.00	<0	-	<0.01	-	-
				1299127	262.00	263.00	1.00	<0	-	<0.01	-	-
				1299128	263.00	264.00	1.00	<0	-	<0.01	-	-
				1299129	264.00	265.00	1.00	<0	-	<0.01	-	-
				1299130	265.00	266.00	1.00	<0	-	<0.01	<0.01	-
				1299132	266.00	267.00	1.00	0	-	0.01	-	-
				1299133	267.00	268.00	1.00	<0	-	<0.01	-	-
				1299134	268.00	269.00	1.00	<0	-	<0.01	-	-
				1299135	269.00	270.00	1.00	<0	-	<0.01	-	-
				1299136	270.00	271.00	1.00	<0	-	<0.01	-	-
				1299137	271.00	272.00	1.00	<0	-	<0.01	-	-
				1299138	272.00	273.00	1.00	0	-	0.01	-	-
				1299139	273.00	274.00	1.00	<0	-	<0.01	-	-
				1299140	274.00	275.00	1.00	0	-	0.09	0.08	-
				1299141	275.00	276.00	1.00	0	-	0.03	-	-
				1299142	276.00	277.00	1.00	0	-	0.02	-	-
				1299143	277.00	278.00	1.00	0	-	0.02	-	-
				1299145	278.00	279.00	1.00	0	-	0.04	-	-
				1299146	279.00	280.00	1.00	0	-	0.07	-	-
				1299147	280.00	281.00	1.00	0	-	0.04	-	-

**LITHOLOGY REPORT**  
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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)
				1299148	281.00	281.60	0.60	0	-	0.02	-	-
281.60	290.00	<b>IITNL Tonalite</b> T		1299149	281.60	283.00	1.40	<0	-	<0.01	-	-
		unit is whitish grey to reddish in color; coarse grained; massive structure w a few zones of weak foln 30° tcx; primary igneous texture is masked by pervasive silica replacement; weak to mod pervasive hem altn throughout as staining of feldspars and carb;		1299150	283.00	284.00	1.00	<0	-	<0.01	0.01	-
				1299151	284.00	285.00	1.00	<0	-	<0.01	-	-
				1299152	285.00	286.00	1.00	<0	-	<0.01	-	-
				1299153	286.00	287.00	1.00	<0	-	<0.01	-	-
				1299154	287.00	288.00	1.00	<0	-	<0.01	-	-
				1299155	288.00	289.00	1.00	<0	-	<0.01	-	-
				1299156	289.00	290.00	1.00	<0	-	<0.01	-	-

## QUALITY CONTROL REPORT

Hole Number **CL12-00016**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)	
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)		Au (ppm)
1413860	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1413874	STANDARD		OREAS 15g	AccurAssay	-	-	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1413889	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1413905	STANDARD		OREAS 16a	AccurAssay	-	-	1.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1413918	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1413933	STANDARD		OREAS 66a	AccurAssay	-	-	1.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1413949	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1413963	STANDARD		OREAS 152	AccurAssay	-	-	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1413977	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1413990	STANDARD		OREAS 15g	AccurAssay	-	-	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1299004	BLKDIA			AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1299027	STANDARD		OREAS 15g	AccurAssay	-	-	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1299040	BLKDIA			AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1299053	STANDARD		OREAS 16a	AccurAssay	-	-	1.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1299066	BLKDIA			AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1299079	STANDARD		OREAS 66a	AccurAssay	-	-	1.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1299092	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1299105	STANDARD		OREAS 152	AccurAssay	-	-	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1299118	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1299131	STANDARD		OREAS 15g	AccurAssay	-	-	0.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1299144	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1299157	STANDARD		OREAS 16a	AccurAssay	-	-	1.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



# DRILL HOLE REPORT

Hole Number: **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 328	<b>Length:</b> 0	<b>Dimension:</b> BQW	<b>Claim No.:</b> 720673	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -46	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 300	<b>Capped:</b> Yes	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 06-Apr-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 10-Apr-12	<b>Left in hole:</b> no	<b>Logged by:</b> nkennedy	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 11-Apr-12	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
<b>Comment:</b>			<b>East:</b> 430758.96	<b>East:</b> 430756
			<b>North:</b> 5266441.24	<b>North:</b> 5266447
			<b>Elev.:</b> 386.21	<b>Elev.:</b> 388
				<b>Coordinate - Local</b>
				<b>East:</b> 9900
				<b>North:</b> 9100
				<b>Elev.:</b> 388

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	328.00	-46.00	0	0	0	0	C	<input type="checkbox"/>	
12.00	328.00	-46.00	0	0	0	56630	Flexit	<input checked="" type="checkbox"/>	
51.00	330.20	-45.80	0	0	0	55930	Flexit	<input checked="" type="checkbox"/>	
102.00	331.20	-44.50	0	0	0	55870	Flexit	<input checked="" type="checkbox"/>	
150.00	332.10	-44.00	0	0	0	54290	Flexit	<input checked="" type="checkbox"/>	
201.00	335.70	-42.90	0	0	0	56680	Flexit	<input checked="" type="checkbox"/>	
249.00	336.20	-42.70	0	0	0	55770	Flexit	<input checked="" type="checkbox"/>	
300.00	337.10	-42.10	0	0	0	56630	Flexit	<input checked="" type="checkbox"/>	

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
0.00	2.17	<b>OB Overburden</b>											
2.17	18.00	<b>IITNL Tonalite</b> <b>T</b>		1258838	2.17	3.00	0.83	<0	-	<0.01	-	-	
		unit is greyish white in color, coarse grained, massive structure becoming weakly foliated towards the lct of the unit, phaneritic texture, unit is composed of 60-70% feldspar, 20-25% qtz, 10-20% biotite amphibole and minor mafics, minor to mod interstitial chl altn throughout, very weak hem altn marginal to the lct, minor siltn w trace fine grained lx, 0.05-0.2% diss py w in carb and qtz-carb vng, 1 zone of 0.1% diss cpy w in carb vng, unit is x-cut by hairline carb vng, 0.5% mm scale/hairline qtz vng and shearing 30 and 50 deg tcx, unit becoming weakly foliated and highly fractured towards the gradational uct of shear zone		1258840	3.00	4.00	1.00	<0	-	<0.01	-	-	
				1258841	4.00	5.00	1.00	<0	-	<0.01	-	-	
				1258842	5.00	6.00	1.00	<0	-	<0.01	-	-	
				1258843	6.00	7.00	1.00	<0	-	<0.01	-	-	
				1258844	7.00	8.00	1.00	0	-	0.01	-	-	
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>	1258845	8.00	9.00	1.00	<0	-	<0.01	-	-
		16.00 - 17.00	Hem 1		1258846	9.00	10.00	1.00	<0	-	<0.01	-	-
		17.00 - 18.00	Hem 1		1258847	10.00	11.00	1.00	<0	-	<0.01	<0.01	-
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>	1258848	11.00	12.00	1.00	<0	-	<0.01	-	-
		2.17 - 3.00	TS 0		1258849	12.00	13.00	1.00	<0	-	<0.01	-	-
		2.17 - 3.00	PY 0.05		1258850	13.00	14.00	1.00	<0	-	<0.01	-	-
		3.00 - 4.00	PY 0.05		1258851	14.00	15.00	1.00	<0	-	<0.01	-	-
		3.00 - 4.00	TS 0		1258853	15.00	16.00	1.00	0	-	0.01	-	-
		4.00 - 5.00	PY 0.05		1258854	16.00	17.00	1.00	<0	-	<0.01	-	-
		4.00 - 5.00	TS 0		1258855	17.00	18.00	1.00	<0	-	<0.01	-	-
		5.00 - 6.00	TS 0										
		5.00 - 6.00	PY 0.05										
		6.00 - 7.00	TS 0										
		6.00 - 7.00	PY 0.05										

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	7.00 - 8.00	TS	0									
	7.00 - 8.00	PY	0.2									
	8.00 - 9.00	TS	0									
	8.00 - 9.00	PY	0.2									
	9.00 - 10.00	PY	0.1									
	9.00 - 10.00	TS	0									
	10.00 - 11.00	PY	0.1									
	10.00 - 11.00	TS	0									
	11.00 - 12.00	TS	0									
	11.00 - 12.00	PY	0.1									
	12.00 - 13.00	PY	0.05									
	12.00 - 13.00	TS	0									
	13.00 - 14.00	PY	0.05									
	13.00 - 14.00	TS	0									
	14.00 - 15.00	PY	0.05									
	14.00 - 15.00	TS	0									
	15.00 - 16.00	TS	0									
	15.00 - 16.00	CPY	0.1									
	15.00 - 16.00	PY	0.05									
	16.00 - 17.00	TS	0									
	16.00 - 17.00	PY	0.1									
	17.00 - 18.00	PY	0.1									
	17.00 - 18.00	TS	0									

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
18.00	23.00	<b>IITNL Sheared Tonalite</b> T		1258856	18.00	19.00	1.00	<0	-	<0.01	-	-
		unit is whitish grey to greenish to reddish in color, fctd/shistose structure, no relict igneous textures preserved throughout the unit, unit is dominated by strong to intense shearing // tcx, very weak to weak hem altn throughout, mod chl and sericite altn throughout, mnor slfn and trace fine grained lx, mnor carb vng // to shearing, 0.1-0.3% diss py throughout and 0.5-1% mm scale qtz/qtz-carb vng, gradational lct w ALTGD unit		1258857	19.00	20.00	1.00	<0	-	<0.01	<0.01	-
				1258858	20.00	21.00	1.00	<0	-	<0.01	-	-
				1258859	21.00	22.00	1.00	<0	-	<0.01	-	-
				1258860	22.00	23.00	1.00	<0	-	<0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		18.00 - 19.00	Hem 1									
		19.00 - 20.00	Hem 1									
		20.00 - 21.00	Hem 1									
		21.00 - 22.00	Hem 1									
		22.00 - 23.00	Hem 1									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		18.00 - 19.00	PY 0.1									
		18.00 - 19.00	TS 0									
		19.00 - 20.00	PY 0.1									
		19.00 - 20.00	TS 0									
		20.00 - 21.00	PY 0.05									
		20.00 - 21.00	TS 0									
		21.00 - 22.00	PY 0.05									
		21.00 - 22.00	TS 0									
		22.00 - 23.00	PY 0.05									
		22.00 - 23.00	TS 0									

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
23.00	30.17	<b>IITNL Tonalite</b> T		1258861	23.00	24.00	1.00	<0	-	<0.01	-	-
		unit is whitish grey to greenish to reddish in color, massive structure w weak fctn at the uct, phaneritic texture, very weak to weak pervasive hem altn throughout, very weak epidotization of feldspars at the uct, zones of mod sauceritization of feldspars w ratty altered grain boundaries, 0.1-0.4% diss to semi-mass py w in qtz vns and w in mnor interstitial chl altn, 2m zone of 0.2-0.4% diss to semi-mass cpy w in qtz vng at the uct of intermediate dike and throughout the dike, unit is x-cut by hairline carb vng, 0.5-40% qtz vng, shearing 10 deg tcx, and a small porphyritic intermediate dike, shrp lct w altered granodiorite breccia unit defined by the intrusion of the dike		1258862	24.00	25.00	1.00	<0	-	<0.01	-	-
				1258863	25.00	26.00	1.00	<0	-	<0.01	-	-
				1258864	26.00	27.00	1.00	<0	-	<0.01	-	-
				1258866	27.00	28.00	1.00	<0	-	<0.01	-	-
				1258867	28.00	29.00	1.00	0	-	0.01	<0.01	-
				1258868	29.00	29.55	0.55	0	-	0.07	-	-
				1258869	29.55	30.17	0.62	0	-	0.10	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		23.00 - 24.00	Ep 1									
		23.00 - 24.00	Hem 2									
		24.00 - 25.00	Hem 2									
		25.00 - 26.00	Hem 1									
		26.00 - 27.00	Hem 2									
		27.00 - 28.00	Hem 2									
		28.00 - 29.00	Hem 2									
		29.00 - 29.55	Hem 2									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		23.00 - 24.00	PY 0.3									
		23.00 - 24.00	TS 0									
		24.00 - 25.00	PY 0.4									
		24.00 - 25.00	TS 0									
		25.00 - 26.00	PY 0.1									
		25.00 - 26.00	TS 0									
		26.00 - 27.00	PY 0.1									
		26.00 - 27.00	TS 0									
		27.00 - 28.00	PY 0.1									
		27.00 - 28.00	TS 0									
		28.00 - 29.00	PY 0.1									

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
	28.00 - 29.00	TS	0										
	29.00 - 29.55	CPY	0.2										
	29.00 - 29.55	PY	0.1										
	29.00 - 29.55	TS	0										
	29.55 - 30.17	CPY	0.4										
	29.55 - 30.17	PY	0.1										
	29.55 - 30.17	TS	0										
30.17	66.00	<b>IITNL Tonalite Breccia</b>		1258870	30.17	31.00	0.83	<0	-	<0.01	-	-	
		<b>T</b>		1258871	31.00	32.00	1.00	<0	-	<0.01	-	-	
		monolithic breccia, 10-90% clast to matrix ratio, 3-5cm rounded to subrounded to subangular mafic clasts w shrp and difuse boundaries set w in a phaneritic equigranular textured granodiorite matrix, fragments are dominately fine grained w some exhibiting a porphyritic texture w mm sized phenocrysts of qtz and feldspar w a hypidiomorphic texture, unit is dominated by pervasive very weak to weak Ep altn as epidotization of feldspar grains and small hairline veinlets, pervasive hem altn as concentrated hairline veinlets infilling fractures and staining of feldspars and carb, mod to strong interstitial chl-carb altn throughout, mnor to mod brecciation, a few zones of <1% mm sized qtz clots w a glomeroporphyritic texture, 1m zone of brittle puzzle breccia, 0.05-0.5% diss py w in interstitial chl-carb, qtz vng, fractures and carb vng, 2 zones of 0.1-0.3% diss cpy nearing the lct of the unit, unit is x-cut by hairline carb vng which also x-cuts the mafic fragments, 0.5-11% qtz vng, shearing 40 and 50 deg tcx and mnor shearing // tcx, unit is x-cut by one small fine grained fofd mafic dike w shrp cts, gradational lct w ALTGD unit		1258872	32.00	33.00	1.00	<0	-	<0.01	-	-	
				1258873	33.00	34.00	1.00	<0	-	<0.01	-	-	
				1258874	34.00	35.00	1.00	<0	-	<0.01	-	-	
				1258875	35.00	36.00	1.00	<0	-	<0.01	-	-	
				1258876	36.00	37.00	1.00	<0	-	<0.01	-	-	
				1258877	37.00	38.00	1.00	<0	-	<0.01	<0.01	-	
				1258878	38.00	39.00	1.00	<0	-	<0.01	-	-	
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>	1258880	39.00	40.00	1.00	<0	-	<0.01	-	-
		30.17 - 31.00	Hem 1		1258881	40.00	41.00	1.00	<0	-	<0.01	-	-
		30.17 - 31.00	Ep 1		1258882	41.00	42.00	1.00	<0	-	<0.01	-	-
		31.00 - 32.00	Ep 2		1258883	42.00	43.00	1.00	<0	-	<0.01	-	-
		31.00 - 32.00	Hem 2		1258884	43.00	44.00	1.00	<0	-	<0.01	-	-
		32.00 - 33.00	Ep 2		1258885	44.00	45.00	1.00	<0	-	<0.01	-	-
					1258886	45.00	46.00	1.00	<0	-	<0.01	-	-

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)
	32.00 - 33.00	Hem 2		1258887	46.00	47.00	1.00	<0	-	<0.01	<0.01	-
	33.00 - 34.00	Hem 2		1258888	47.00	48.00	1.00	<0	-	<0.01	-	-
	33.00 - 34.00	Ep 2		1258889	48.00	49.00	1.00	<0	-	<0.01	-	-
	34.00 - 35.00	Hem 2		1258890	49.00	50.00	1.00	<0	-	<0.01	-	-
	34.00 - 35.00	Ep 2		1258891	50.00	51.00	1.00	<0	-	<0.01	-	-
	35.00 - 36.00	Hem 3		1258893	51.00	52.00	1.00	<0	-	<0.01	-	-
	35.00 - 36.00	Ep 2		1258894	52.00	53.00	1.00	<0	-	<0.01	-	-
	35.00 - 36.00	Ep 2		1258895	53.00	54.00	1.00	<0	-	<0.01	-	-
	36.00 - 37.00	Hem 3		1258896	54.00	55.00	1.00	<0	-	<0.01	-	-
	36.00 - 37.00	Ep 2		1258897	55.00	56.00	1.00	<0	-	<0.01	<0.01	-
	37.00 - 38.00	Hem 3		1258898	56.00	57.00	1.00	0	-	0.01	-	-
	37.00 - 38.00	Ep 1		1258899	57.00	58.00	1.00	<0	-	<0.01	-	-
	38.00 - 39.00	Hem 4		1258900	58.00	59.00	1.00	0	-	0.01	-	-
	38.00 - 39.00	Ep 2		1258901	59.00	60.00	1.00	0	-	0.01	-	-
	39.00 - 40.00	Hem 2		1258902	60.00	61.00	1.00	<0	-	<0.01	-	-
	39.00 - 40.00	Ep 1		1258903	61.00	61.66	0.66	<0	-	<0.01	-	-
	39.00 - 40.00	Ep 1		1258904	61.66	62.19	0.53	0	-	0.01	-	-
	40.00 - 41.00	Ep 1		1258906	62.19	63.00	0.81	0	-	0.01	-	-
	40.00 - 41.00	Hem 3		1258907	63.00	64.00	1.00	<0	-	<0.01	<0.01	-
	41.00 - 42.00	Ep 1		1258908	64.00	65.00	1.00	<0	-	<0.01	-	-
	41.00 - 42.00	Hem 2		1258909	65.00	66.00	1.00	<0	-	<0.01	-	-
	42.00 - 43.00	Ep 1										
	42.00 - 43.00	Hem 2										
	43.00 - 44.00	Ep 2										
	43.00 - 44.00	Hem 3										
	44.00 - 45.00	Hem 3										
	44.00 - 45.00	Ep 2										

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Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	45.00 - 46.00	Ep	1									
	45.00 - 46.00	Hem	3									
	46.00 - 47.00	Ep	1									
	46.00 - 47.00	Hem	3									
	47.00 - 48.00	Hem	2									
	47.00 - 48.00	Ep	1									
	48.00 - 49.00	Hem	2									
	48.00 - 49.00	Ep	1									
	49.00 - 50.00	Hem	3									
	49.00 - 50.00	Ep	1									
	50.00 - 51.00	Hem	3									
	50.00 - 51.00	Ep	1									
	51.00 - 52.00	Hem	3									
	51.00 - 52.00	Ep	2									
	52.00 - 53.00	Hem	3									
	52.00 - 53.00	Ep	3									
	53.00 - 54.00	Hem	3									
	53.00 - 54.00	Ep	2									
	54.00 - 55.00	Hem	3									
	54.00 - 55.00	Ep	2									
	55.00 - 56.00	Hem	3									
	55.00 - 56.00	Ep	2									
	56.00 - 57.00	Hem	3									
	56.00 - 57.00	Ep	2									
	57.00 - 58.00	Hem	4									



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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	57.00 - 58.00	Ep	2									
	58.00 - 59.00	Hem	3									
	58.00 - 59.00	Ep	2									
	59.00 - 60.00	Hem	2									
	59.00 - 60.00	Ep	2									
	60.00 - 61.00	Hem	2									
	60.00 - 61.00	Ep	1									
	61.00 - 61.66	Hem	1									
	61.00 - 61.66	Ep	1									
	62.19 - 63.00	Hem	1									
	62.19 - 63.00	Ep	2									
	63.00 - 64.00	Ep	1									
	63.00 - 64.00	Hem	2									
	64.00 - 65.00	Hem	2									
	64.00 - 65.00	Ep	2									
	65.00 - 66.00	Ep	1									
	65.00 - 66.00	Hem	3									
	<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>									
	30.17 - 31.00	PY	0.05									
	30.17 - 31.00	TS	0									
	31.00 - 32.00	PY	0.05									
	31.00 - 32.00	TS	0									
	32.00 - 33.00	TS	0									
	32.00 - 33.00	PY	0.05									
	33.00 - 34.00	TS	0									
	33.00 - 34.00	PY	0.05									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	34.00 - 35.00	TS	0									
	34.00 - 35.00	PY	0.05									
	35.00 - 36.00	TS	0									
	35.00 - 36.00	PY	0.05									
	36.00 - 37.00	TS	0									
	36.00 - 37.00	PY	0.05									
	37.00 - 38.00	TS	0									
	37.00 - 38.00	PY	0.05									
	38.00 - 39.00	TS	0									
	38.00 - 39.00	PY	0.2									
	39.00 - 40.00	TS	0									
	39.00 - 40.00	PY	0.1									
	40.00 - 41.00	TS	0									
	40.00 - 41.00	PY	0.1									
	41.00 - 42.00	TS	0									
	41.00 - 42.00	PY	0.1									
	42.00 - 43.00	TS	0									
	42.00 - 43.00	PY	0.1									
	43.00 - 44.00	TS	0									
	43.00 - 44.00	PY	0.1									
	44.00 - 45.00	TS	0									
	44.00 - 45.00	PY	0.1									
	45.00 - 46.00	PY	0.1									
	45.00 - 46.00	TS	0									
	46.00 - 47.00	TS	0									
	46.00 - 47.00	PY	0.1									
	47.00 - 48.00	PY	0.1									
	47.00 - 48.00	TS	0									
	48.00 - 49.00	PY	0.05									
	48.00 - 49.00	TS	0									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	49.00 - 50.00	PY	0.05									
	49.00 - 50.00	TS	0									
	50.00 - 51.00	TS	0									
	50.00 - 51.00	PY	0.05									
	51.00 - 52.00	PY	0.05									
	51.00 - 52.00	TS	0									
	52.00 - 53.00	TS	0									
	52.00 - 53.00	PY	0.05									
	53.00 - 54.00	TS	0									
	53.00 - 54.00	PY	0.05									
	54.00 - 55.00	TS	0									
	54.00 - 55.00	PY	0.05									
	55.00 - 56.00	TS	0									
	55.00 - 56.00	PY	0.05									
	56.00 - 57.00	TS	0									
	56.00 - 57.00	PY	0.05									
	57.00 - 58.00	TS	0									
	57.00 - 58.00	PY	0.2									
	58.00 - 59.00	TS	0									
	58.00 - 59.00	CPY	0.3									
	58.00 - 59.00	PY	0.3									
	59.00 - 60.00	TS	0									
	59.00 - 60.00	PY	0.1									
	60.00 - 61.00	TS	0									
	60.00 - 61.00	PY	0.1									
	61.00 - 61.66	TS	0									
	61.00 - 61.66	PY	0.5									
	61.66 - 62.19	TS	0									
	61.66 - 62.19	PY	0.2									
	62.19 - 63.00	TS	0									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	62.19 - 63.00	PY	0.3									
	63.00 - 64.00	TS	0									
	63.00 - 64.00	PY	0.1									
	64.00 - 65.00	TS	0									
	64.00 - 65.00	CPY	0.1									
	64.00 - 65.00	PY	0.1									
	65.00 - 66.00	PY	0.1									
	65.00 - 66.00	TS	0									
66.00	187.21	<b>IITNL Tonalite</b> <b>T</b>		1258910	66.00	67.00	1.00	<0	-	<0.01	-	-
		unit is whitish grey to greenish to reddish in color, coarse grained, massive structure w a few zones of mnor brecciation, phaneritic equigranular texture, unit is composed of 60-70% feldspar, 20-25% qtz, 10-20% amphibole biotite and mnor mafics, unit is dominated by pervasive very weak to strong hem altn as concentrated hem veinlets infilling hairline fractures and as staining of feldspars grains and carb, intermittent very weak mod Ep altn as epidotization of feldspars and as veinlets infilling hairline fractures, mod interstitial chl-carb altn throughtout, 1 ~10m zone of very weak to strong Na altn and mnor brecciation, mnor slfn and trace fine grained lx throughout w zones of intense slfn marginal to fractures, shearing and qtz vng, mnor sauceritization of feldspars throughout, 0.05-.04% diss py w in interstitial chl-carb, qtz vng, fractures and w in the fine grained mafic matrix w in brecciated zones, 3 1m zones of 0.1-0.3% diss cpy w in carb vng, qtz vng and w in the matrix, 1 zone of 0.6% diss to semi-mass po w a zone of >1% total sulfides, unit is x-cut by 0.5-14% qtz vng, hairline carb vng, shearing 10,20,30,40 and 50 deg tcx, a few fine grained ftd mafic dikes w a few being biotite rich and some containing brecciated ALTGD fragments, unit is x-cut by 1 small intermediate dike, shrp lct of unit w a large mafic dike		1258911	67.00	68.00	1.00	0	-	0.01	-	-
				1258912	68.00	69.00	1.00	<0	-	<0.01	-	-
				1258913	69.00	70.00	1.00	<0	-	<0.01	-	-
				1258914	70.00	71.00	1.00	0	-	0.01	-	-
				1258915	71.00	72.00	1.00	<0	-	<0.01	-	-
				1258916	72.00	73.00	1.00	<0	-	<0.01	-	-
				1258917	73.00	74.00	1.00	<0	-	<0.01	<0.01	-
				1258919	74.00	75.16	1.16	0	-	0.01	-	-
				1258920	75.16	76.44	1.28	<0	-	<0.01	-	-
				1258921	76.44	77.00	0.56	0	-	0.01	-	-
				1258922	77.00	78.00	1.00	<0	-	<0.01	-	-
				1258923	78.00	79.00	1.00	<0	-	<0.01	-	-
				1258924	79.00	80.00	1.00	0	-	0.01	-	-
				1258925	80.00	81.00	1.00	0	-	0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
	66.00 - 67.00	Hem	2									
	66.00 - 67.00	Ep	1									
	67.00 - 68.00	Hem	2									
	67.00 - 68.00	Ep	1									

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Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	68.00 - 69.00	Hem 2		1258926	81.00	82.00	1.00	0	-	0.01	-	-
	68.00 - 69.00	Ep 1		1258927	82.00	83.00	1.00	0	-	0.01	<0.01	-
	69.00 - 70.00	Hem 1		1258928	83.00	84.00	1.00	0	-	0.01	-	-
	69.00 - 70.00	Ep 1		1258929	84.00	85.40	1.40	0	-	0.01	-	-
	70.00 - 71.00	Hem 1		1258930	85.40	86.25	0.85	0	-	0.01	-	-
	70.00 - 71.00	Ep 1		1258932	86.25	87.00	0.75	0	-	0.01	-	-
	70.00 - 71.00	Ep 1		1258933	87.00	88.00	1.00	<0	-	<0.01	-	-
	71.00 - 72.00	Hem 2		1258934	88.00	89.00	1.00	<0	-	<0.01	-	-
	71.00 - 72.00	Ep 2		1258935	89.00	90.00	1.00	<0	-	<0.01	-	-
	72.00 - 73.00	Ep 2		1258936	90.00	91.00	1.00	<0	-	<0.01	-	-
	72.00 - 73.00	Hem 2		1258937	91.00	92.00	1.00	<0	-	<0.01	<0.01	-
	73.00 - 74.00	Ep 2		1258938	92.00	93.00	1.00	<0	-	<0.01	-	-
	73.00 - 74.00	Hem 3		1258939	93.00	94.00	1.00	<0	-	<0.01	-	-
	74.00 - 75.16	Ep 2		1258940	94.00	95.00	1.00	<0	-	<0.01	-	-
	74.00 - 75.16	Hem 3		1258941	95.00	96.00	1.00	<0	-	<0.01	-	-
	75.16 - 76.44	Hem 2		1258942	96.00	97.00	1.00	<0	-	<0.01	-	-
	75.16 - 76.44	Ep 3		1258943	97.00	98.00	1.00	<0	-	<0.01	-	-
	75.16 - 76.44	Ep 3		1258945	98.00	99.00	1.00	<0	-	<0.01	-	-
	76.44 - 77.00	Hem 1		1258946	99.00	100.00	1.00	<0	-	<0.01	-	-
	77.00 - 78.00	Hem 3		1258947	100.00	101.00	1.00	<0	-	<0.01	<0.01	-
	77.00 - 78.00	Ep 1		1258948	101.00	102.00	1.00	<0	-	<0.01	-	-
	78.00 - 79.00	Hem 2		1258949	102.00	103.00	1.00	<0	-	<0.01	-	-
	78.00 - 79.00	Ep 1		1258950	103.00	104.00	1.00	<0	-	<0.01	-	-
	79.00 - 80.00	Hem 2		1258951	104.00	105.00	1.00	<0	-	<0.01	-	-
	79.00 - 80.00	Ep 1		1258952	105.00	106.00	1.00	<0	-	<0.01	-	-
	80.00 - 81.00	Ep 1		1258953	106.00	107.00	1.00	<0	-	<0.01	-	-
	80.00 - 81.00	Hem 1		1258954	107.00	108.00	1.00	<0	-	<0.01	-	-

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
81.00 - 82.00		Ep 1		1258955	108.00	109.00	1.00	<0	-	<0.01	-	-
81.00 - 82.00		Hem 1		1258956	109.00	110.00	1.00	<0	-	<0.01	-	-
82.00 - 83.00		Hem 1		1258958	110.00	111.00	1.00	<0	-	<0.01	-	-
82.00 - 83.00		Ep 1		1258959	111.00	112.00	1.00	0	-	0.01	-	-
83.00 - 84.00		Ep 1		1258960	112.00	113.00	1.00	0	-	0.01	-	-
83.00 - 84.00		Hem 1		1258961	113.00	114.00	1.00	<0	-	<0.01	-	-
83.00 - 84.00		Hem 1		1258962	114.00	115.00	1.00	0	-	0.01	-	-
84.00 - 85.40		Hem 2		1258963	115.00	116.00	1.00	0	-	0.04	-	-
85.40 - 86.25		Hem 1		1258964	116.00	117.00	1.00	0	-	0.02	-	-
86.25 - 87.00		Hem 2		1258965	117.00	118.00	1.00	0	-	0.01	-	-
87.00 - 88.00		Hem 3		1258966	118.00	119.00	1.00	0	-	0.01	-	-
88.00 - 89.00		Hem 2		1258967	119.00	120.00	1.00	0	-	0.01	0.01	-
89.00 - 90.00		Hem 2		1258968	120.00	121.00	1.00	0	-	0.01	-	-
90.00 - 91.00		Hem 1		1258969	121.00	122.00	1.00	0	-	0.01	-	-
91.00 - 92.00		Hem 1		1258971	122.00	123.00	1.00	0	-	0.01	-	-
92.00 - 93.00		Hem 1		1258972	123.00	124.00	1.00	<0	-	<0.01	-	-
92.00 - 93.00		Hem 1		1258973	124.00	125.00	1.00	0	-	0.01	-	-
93.00 - 94.00		Hem 1		1258974	125.00	126.00	1.00	<0	-	<0.01	-	-
94.00 - 95.00		Hem 2		1258975	126.00	127.00	1.00	<0	-	<0.01	-	-
95.00 - 96.00		Hem 1		1258976	127.00	128.00	1.00	<0	-	<0.01	-	-
96.00 - 97.00		Hem 1		1258977	128.00	129.00	1.00	<0	-	<0.01	<0.01	-
97.00 - 98.00		Hem 1		1258978	129.00	130.00	1.00	0	-	0.01	-	-
98.00 - 99.00		Hem 2		1258979	130.00	131.00	1.00	0	-	0.01	-	-
99.00 - 100.00		Hem 1		1258980	131.00	132.00	1.00	<0	-	<0.01	-	-
100.00 - 101.00		Hem 1		1258981	132.00	133.00	1.00	0	-	0.01	-	-
101.00 - 102.00		Ep 1		1258982	133.00	134.00	1.00	<0	-	<0.01	-	-
101.00 - 102.00		Hem 2		1258984	134.00	135.00	1.00	<0	-	<0.01	-	-

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Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	102.00 - 103.00	Ep 1		1258985	135.00	136.00	1.00	0	-	0.01	-	-
	102.00 - 103.00	Hem 2		1258986	136.00	136.84	0.84	<0	-	<0.01	-	-
	103.00 - 104.00	Hem 2		1258987	136.84	137.40	0.56	0	-	0.01	<0.01	-
	104.00 - 105.00	Hem 1		1258988	137.40	138.00	0.60	<0	-	<0.01	-	-
	105.00 - 106.00	Ep 1		1258989	138.00	139.00	1.00	<0	-	<0.01	-	-
	105.00 - 106.00	Hem 1		1258990	139.00	140.00	1.00	<0	-	<0.01	-	-
	105.00 - 106.00	Hem 1		1258991	140.00	141.00	1.00	<0	-	<0.01	-	-
	106.00 - 107.00	Ep 1		1258992	141.00	142.00	1.00	0	-	0.01	-	-
	106.00 - 107.00	Hem 1		1258993	142.00	143.00	1.00	<0	-	<0.01	-	-
	107.00 - 108.00	Ep 1		1258994	143.00	144.00	1.00	0	-	0.06	-	-
	107.00 - 108.00	Hem 1		1258995	144.00	145.00	1.00	<0	-	<0.01	-	-
	108.00 - 109.00	Hem 1		1258997	145.00	146.00	1.00	0	-	0.01	<0.01	-
	109.00 - 110.00	Ep 1		1258998	146.00	147.00	1.00	<0	-	<0.01	-	-
	109.00 - 110.00	Hem 1		1258999	147.00	148.00	1.00	0	-	0.01	-	-
	109.00 - 110.00	Hem 1		1259000	148.00	149.00	1.00	<0	-	<0.01	-	-
	110.00 - 111.00	Ep 1		1386001	149.00	150.00	1.00	<0	-	<0.01	-	-
	110.00 - 111.00	Hem 1		1386002	150.00	151.00	1.00	<0	-	<0.01	-	-
	111.00 - 112.00	Ep 1		1386003	151.00	152.00	1.00	<0	-	<0.01	-	-
	111.00 - 112.00	Hem 1		1386004	152.00	153.00	1.00	0	-	0.01	-	-
	112.00 - 113.00	Na 1		1386005	153.00	154.00	1.00	<0	-	<0.01	-	-
	112.00 - 113.00	Hem 1		1386006	154.00	155.00	1.00	0	-	0.03	-	-
	113.00 - 114.00	Na 2		1386007	155.00	156.00	1.00	<0	-	<0.01	-	-
	113.00 - 114.00	Hem 1		1386008	156.00	157.00	1.00	<0	-	<0.01	-	-
	114.00 - 115.00	Na 3		1386010	157.00	158.00	1.00	<0	-	<0.01	<0.01	-
	115.00 - 116.00	Na 4		1386011	158.00	159.00	1.00	<0	-	<0.01	-	-
	116.00 - 117.00	Na 3		1386012	159.00	160.00	1.00	0	-	0.01	-	-
	116.00 - 117.00	Ep 1		1386013	160.00	161.00	1.00	<0	-	<0.01	-	-

**LITHOLOGY REPORT**  
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Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
117.00 - 118.00		Hem 1		1386014	161.00	162.00	1.00	<0	-	<0.01	-	-
117.00 - 118.00		Ep 1		1386015	162.00	163.00	1.00	<0	-	<0.01	-	-
117.00 - 118.00		Na 2		1386016	163.00	164.00	1.00	<0	-	<0.01	-	-
118.00 - 119.00		Ep 1		1386017	164.00	165.00	1.00	<0	-	<0.01	-	-
118.00 - 119.00		Na 2		1386018	165.00	166.00	1.00	<0	-	<0.01	-	-
119.00 - 120.00		Ep 1		1386019	166.00	167.00	1.00	<0	-	<0.01	-	-
119.00 - 120.00		Na 1		1386020	167.00	168.00	1.00	<0	-	<0.01	<0.01	-
120.00 - 121.00		Na 1		1386021	168.00	169.00	1.00	<0	-	<0.01	-	-
120.00 - 121.00		Na 1		1386023	169.00	170.00	1.00	<0	-	<0.01	-	-
120.00 - 121.00		Ep 1		1386024	170.00	170.95	0.95	0	-	0.01	-	-
120.00 - 121.00		Hem 1		1386025	170.95	172.00	1.05	<0	-	<0.01	-	-
121.00 - 122.00		Na 1		1386026	172.00	172.58	0.58	<0	-	<0.01	-	-
121.00 - 122.00		Hem 1		1386027	172.58	173.32	0.74	<0	-	<0.01	-	-
121.00 - 122.00		Ep 1		1386028	173.32	174.14	0.82	<0	-	<0.01	-	-
122.00 - 123.00		Na 2		1386029	174.14	175.00	0.86	<0	-	<0.01	-	-
123.00 - 124.00		Na 3		1386030	175.00	176.00	1.00	<0	-	<0.01	<0.01	-
124.00 - 125.00		Hem 1		1386031	176.00	177.00	1.00	0	-	0.01	-	-
124.00 - 125.00		Hem 1		1386032	177.00	178.00	1.00	0	-	0.01	-	-
125.00 - 126.00		Hem 1		1386033	178.00	179.00	1.00	<0	-	<0.01	-	-
126.00 - 127.00		Hem 2		1386034	179.00	180.00	1.00	<0	-	<0.01	-	-
127.00 - 128.00		Hem 1		1386036	180.00	181.00	1.00	<0	-	<0.01	-	-
128.00 - 129.00		Hem 1		1386037	181.00	182.00	1.00	<0	-	<0.01	-	-
129.00 - 130.00		Hem 1		1386038	182.00	183.00	1.00	0	-	0.01	-	-
130.00 - 131.00		Hem 1		1386039	183.00	183.70	0.70	<0	-	<0.01	-	-
131.00 - 132.00		Hem 2		1386040	183.70	185.00	1.30	<0	-	<0.01	<0.01	-
132.00 - 133.00		Hem 2		1386041	185.00	186.00	1.00	<0	-	<0.01	-	-
132.00 - 133.00		Hem 2		1386042	186.00	187.21	1.21	<0	-	<0.01	-	-



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Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
187.21	204.12	<b>IM Mafic Dyke</b>		1386043	187.21	188.00	0.79	<0	-	<0.01	-	-
		unit is greenish black in color, fine to medium grained groundmass, massive structure, porphyritic texture, unit is composed of >50% feldspar, 20-30% mm sized biotite phenocrysts, ~10% amphibole and 10% mafics, zones w a glomeroporphyritic texture w amorphous aggregates of epidotized feldspar, pervasive Ep altn as epidotization of feldspar grains and as hairline veinlets, pervasive hem altn throughout as staining of feldspar grains, staining of carb and as hairline veinlets infilling fractures, a few blocks of rafted ALTGD w strong slfn, minor lx and irregular digested boundaries, mod to strong carb altn throughout, minor to mod chl altn of the groundmass throughout, minor slfn of the groundmass throughout, 0.1-0.2% diss py throughout the groundmass, 1 zone of trace diss cpy and trace Mo w in a fracture, unit is x-cut by hairline carb vng, hem vng, Ep vng, 0.5-1% qtz vng, shearing 10,60 deg and // tcx, unit is also cut by a small fine grained ftd mafic dike w mod carb vng // to ftdn, trace diss py and mod chl altn, shrp lct of dike w ALTGD unit		1386044	188.00	189.00	1.00	<0	-	<0.01	-	-
				1386045	189.00	190.00	1.00	<0	-	<0.01	-	-
				1386046	190.00	191.00	1.00	<0	-	<0.01	-	-
				1386047	191.00	192.00	1.00	<0	-	<0.01	-	-
				1386049	192.00	193.00	1.00	<0	-	<0.01	-	-
				1386050	193.00	194.00	1.00	<0	-	<0.01	0.01	-
				1386051	194.00	195.00	1.00	<0	-	<0.01	-	-
				1386052	195.00	196.00	1.00	0	-	0.01	-	-
				1386053	196.00	197.00	1.00	<0	-	<0.01	-	-
				1386054	197.00	197.80	0.80	<0	-	<0.01	-	-
				1386055	197.80	198.62	0.82	<0	-	<0.01	-	-
				1386056	198.62	200.00	1.38	<0	-	<0.01	-	-
				1386057	200.00	201.26	1.26	<0	-	<0.01	-	-
				1386058	201.26	202.00	0.74	<0	-	<0.01	-	-
				1386059	202.00	203.00	1.00	<0	-	<0.01	-	-
				1386060	203.00	204.12	1.12	<0	-	<0.01	<0.01	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		187.21 - 188.00	Hem 3									
		187.21 - 188.00	Ep 1									
		188.00 - 189.00	Ep 1									
		188.00 - 189.00	Hem 3									
		189.00 - 190.00	Ep 1									
		189.00 - 190.00	Hem 3									
		190.00 - 191.00	Hem 3									
		190.00 - 191.00	Ep 1									
		191.00 - 192.00	Hem 1									
		191.00 - 192.00	Ep 1									
		192.00 - 193.00	Ep 2									
		192.00 - 193.00	Hem 2									
		193.00 - 194.00	Ep 1									
		193.00 - 194.00	Hem 2									
		194.00 - 195.00	Ep 2									
		194.00 - 195.00	Hem 2									

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Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	195.00 - 196.00	Ep	2									
	195.00 - 196.00	Hem	2									
	196.00 - 197.00	Hem	3									
	196.00 - 197.00	Ep	2									
	197.00 - 197.80	Hem	2									
	197.00 - 197.80	Ep	2									
	197.80 - 198.62	Ep	2									
	197.80 - 198.62	Hem	3									
	198.62 - 200.00	Hem	3									
	198.62 - 200.00	Ep	2									
	200.00 - 201.26	Hem	2									
	200.00 - 201.26	Ep	2									
	201.26 - 202.00	Ep	2									
	201.26 - 202.00	Hem	2									
	202.00 - 203.00	Hem	3									
	202.00 - 203.00	Ep	2									
	203.00 - 204.12	Ep	2									
	203.00 - 204.12	Hem	2									
	<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>									
	187.21 - 188.00	TS	0									
	187.21 - 188.00	PY	0.1									
	188.00 - 189.00	TS	0									
	188.00 - 189.00	PY	0.1									
	189.00 - 190.00	TS	0									
	189.00 - 190.00	PY	0.1									
	190.00 - 191.00	PY	0.1									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	190.00 - 191.00	TS	0									
	191.00 - 192.00	PY	0.1									
	191.00 - 192.00	TS	0									
	192.00 - 193.00	TS	0									
	192.00 - 193.00	PY	0.1									
	193.00 - 194.00	PY	0.1									
	193.00 - 194.00	TS	0									
	194.00 - 195.00	PY	0.1									
	194.00 - 195.00	TS	0									
	195.00 - 196.00	PY	0.1									
	195.00 - 196.00	TS	0									
	196.00 - 197.00	PY	0.1									
	196.00 - 197.00	TS	0									
	197.00 - 197.80	PY	0.1									
	197.00 - 197.80	TS	0									
	197.80 - 198.62	CPY	0.1									
	197.80 - 198.62	TS	0									
	197.80 - 198.62	MO	0.05									
	197.80 - 198.62	PY	0.1									
	198.62 - 200.00	TS	0									
	198.62 - 200.00	PY	0.3									
	200.00 - 201.26	TS	0									
	200.00 - 201.26	PY	0.2									
	201.26 - 202.00	TS	0									
	201.26 - 202.00	PY	0.1									
	202.00 - 203.00	TS	0									
	202.00 - 203.00	PY	0.1									
	203.00 - 204.12	PY	0.1									
	203.00 - 204.12	TS	0									

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204.12	300.00	<b>IITNL Tonalite</b> <b>T</b>		1386062	204.12	205.00	0.88	0	-	0.01	-	-
		unit is whitish grey to greenish to reddish in color, coarse grained, massive texture w a few zones of very weak fotn, phaneritic equigranular texture, unit is composed of 60-70% feldspar, 20-25% qtz, 10-20% amphibole biotite and mnor mafics, intermittent Ep altn as hairline veinlets and epidotization of feldspar grains terminating at depth, pervasive hem altn as hairline veinlets infilling fractures, staining of carb and staining of feldspar grains, a few veinlets of specular hem around 267m, a few zones of mnor brecciation, very weak sauceritization of feldspar grains throughout, zones of mod to intense slfn w trace fine grained lx throughout, mod interstitial chl altn throughout becoming stronger and more pervasive at depth, 0.05-0.5% diss to semi-mass py w in qtz vng, qtz-carb vng, fractures and concentrated w in the interstitial chl altn, a few mnor zones of 0.05-0.2% diss cpy, unit is x-cut by hairline carb vng, cm scale calcite vng, 0.5-2% qtz vng and mnor shearing 40,60 deg and // tcx, unit is also x-cut by multiple fine grained fotd mafic dikes w shrp cts, trace diss py, mod carb vng // to fotn and a few dikes have brecciated ALTGD fragments as well as ALTGD xenoliths w irregular digested boundaries		1386063	205.00	206.00	1.00	0	-	0.01	-	-
				1386064	206.00	207.00	1.00	<0	-	<0.01	-	-
				1386065	207.00	208.00	1.00	<0	-	<0.01	-	-
				1386066	208.00	209.00	1.00	<0	-	<0.01	-	-
				1386067	209.00	210.00	1.00	<0	-	<0.01	-	-
				1386068	210.00	211.00	1.00	<0	-	<0.01	-	-
				1386069	211.00	212.00	1.00	0	-	0.02	-	-
				1386070	212.00	212.95	0.95	<0	-	<0.01	<0.01	-
				1386071	212.95	213.45	0.50	0	-	0.01	-	-
				1386072	213.45	214.45	1.00	0	-	0.01	-	-
				1386073	214.45	215.58	1.13	0	-	0.02	-	-
				1386075	215.58	217.00	1.42	0	-	0.01	-	-
				1386076	217.00	218.00	1.00	<0	-	<0.01	-	-
				1386077	218.00	219.00	1.00	0	-	0.01	-	-
				1386078	219.00	220.00	1.00	0	-	0.01	-	-
				1386079	220.00	221.00	1.00	<0	-	<0.01	-	-
				1386080	221.00	222.00	1.00	<0	-	<0.01	<0.01	-
				1386081	222.00	223.00	1.00	<0	-	<0.01	-	-
				1386082	223.00	224.00	1.00	<0	-	<0.01	-	-
				1386083	224.00	224.50	0.50	<0	-	<0.01	-	-
				1386084	224.50	225.90	1.40	<0	-	<0.01	-	-
				1386085	225.90	227.00	1.10	0	-	0.01	-	-

<i>Alteration Maj:</i>	<i>Type/Style/Intensity</i>	<i>Comment</i>
204.12 - 205.00	Hem 3	
204.12 - 205.00	Ep 2	
205.00 - 206.00	Ep 2	
205.00 - 206.00	Hem 3	
206.00 - 207.00	Ep 2	
206.00 - 207.00	Hem 3	
207.00 - 208.00	Hem 3	
207.00 - 208.00	Ep 2	
208.00 - 209.00	Hem 3	
208.00 - 209.00	Ep 2	
209.00 - 210.00	Hem 3	

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Project: **COTE GOLD**

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
209.00 - 210.00		Ep 2		1386086	227.00	228.00	1.00	<0	-	<0.01	-	-
210.00 - 211.00		Hem 2		1386088	228.00	229.00	1.00	<0	-	<0.01	-	-
210.00 - 211.00		Ep 1		1386089	229.00	230.00	1.00	0	-	0.03	-	-
211.00 - 212.00		Hem 4		1386090	230.00	231.00	1.00	<0	-	<0.01	<0.01	-
211.00 - 212.00		Ep 1		1386091	231.00	232.00	1.00	<0	-	<0.01	-	-
212.00 - 212.95		Ep 2		1386092	232.00	233.00	1.00	<0	-	<0.01	-	-
212.00 - 212.95		Hem 3		1386093	233.00	234.23	1.23	0	-	0.01	-	-
212.95 - 213.45		Hem 3		1386094	234.23	235.20	0.97	0	-	0.02	-	-
212.95 - 213.45		Ep 2		1386095	235.20	236.00	0.80	0	-	0.01	-	-
213.45 - 214.45		Hem 3		1386096	236.00	237.00	1.00	0	-	0.02	-	-
214.45 - 215.58		Hem 3		1386097	237.00	238.00	1.00	0	-	0.02	-	-
214.45 - 215.58		Ep 3		1386098	238.00	239.00	1.00	0	-	0.02	-	-
215.58 - 217.00		Hem 3		1386099	239.00	240.00	1.00	0	-	0.02	-	-
217.00 - 218.00		Hem 1		1386101	240.00	241.00	1.00	0	-	0.02	-	-
218.00 - 219.00		Hem 1		1386102	241.00	242.00	1.00	0	-	0.02	-	-
219.00 - 220.00		Hem 2		1386103	242.00	243.00	1.00	0	-	0.02	-	-
219.00 - 220.00		Ep 1		1386104	243.00	244.00	1.00	0	-	0.03	-	-
220.00 - 221.00		Ep 2		1386105	244.00	245.00	1.00	0	-	0.03	-	-
220.00 - 221.00		Hem 2		1386106	245.00	246.00	1.00	0	-	0.02	-	-
221.00 - 222.00		Hem 2		1386107	246.00	247.00	1.00	0	-	0.02	-	-
221.00 - 222.00		Ep 2		1386108	247.00	248.00	1.00	0	-	0.02	-	-
222.00 - 223.00		Hem 3		1386109	248.00	249.00	1.00	0	-	0.01	-	-
222.00 - 223.00		Ep 2		1386110	249.00	250.00	1.00	0	-	0.02	0.02	-
223.00 - 224.00		Hem 3		1386111	250.00	251.00	1.00	0	-	0.02	-	-
223.00 - 224.00		Ep 2		1386112	251.00	252.00	1.00	0	-	0.02	-	-
223.00 - 224.00		Ep 1		1386114	252.00	253.00	1.00	0	-	0.02	-	-
223.00 - 224.00		Hem 2		1386115	253.00	254.00	1.00	0	-	0.02	-	-

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Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	224.00 - 224.50	Ep 1		1386116	254.00	255.00	1.00	0	-	0.02	-	-
	224.00 - 224.50	Hem 2		1386117	255.00	255.60	0.60	0	-	0.03	-	-
	224.50 - 225.90	Hem 3		1386118	255.60	257.00	1.40	0	-	0.01	-	-
	225.90 - 227.00	Hem 2		1386119	257.00	258.00	1.00	0	-	0.02	-	-
	225.90 - 227.00	Ep 1		1386120	258.00	259.00	1.00	0	-	0.01	0.02	-
	227.00 - 228.00	Hem 2		1386121	259.00	260.00	1.00	0	-	0.02	-	-
	227.00 - 228.00	Ep 1		1386122	260.00	261.00	1.00	0	-	0.03	-	-
	227.00 - 228.00	Ep 1		1386123	261.00	262.00	1.00	0	-	0.01	-	-
	228.00 - 229.00	Hem 3		1386124	262.00	263.20	1.20	0	-	0.01	-	-
	228.00 - 229.00	Ep 1		1386125	263.20	264.00	0.80	0	-	0.02	-	-
	229.00 - 230.00	Ep 1		1386127	264.00	264.55	0.55	3	-	2.39	-	-
	229.00 - 230.00	Hem 4		1386128	264.55	266.00	1.45	0	-	0.02	-	-
	230.00 - 231.00	Hem 3		1386129	266.00	267.00	1.00	0	-	0.02	-	-
	230.00 - 231.00	Ep 1		1386130	267.00	268.00	1.00	0	-	0.01	0.01	-
	231.00 - 232.00	Hem 3		1386131	268.00	269.00	1.00	0	-	0.01	-	-
	231.00 - 232.00	Ep 1		1386132	269.00	270.00	1.00	0	-	0.02	-	-
	231.00 - 232.00	Ep 1		1386133	270.00	271.00	1.00	0	-	0.01	-	-
	232.00 - 233.00	Hem 3		1386134	271.00	271.86	0.86	0	-	0.01	-	-
	232.00 - 233.00	Ep 1		1386135	271.86	272.80	0.94	0	-	0.01	-	-
	233.00 - 234.23	Ep 1		1386136	272.80	274.00	1.20	0	-	0.01	-	-
	233.00 - 234.23	Hem 3		1386137	274.00	274.55	0.55	0	-	0.01	-	-
	234.23 - 235.20	Hem 2		1386138	274.55	276.00	1.45	0	-	0.02	-	-
	235.20 - 236.00	Hem 2		1386140	276.00	277.20	1.20	0	-	0.01	0.01	-
	235.20 - 236.00	Ep 1		1386141	277.20	278.00	0.80	0	-	0.01	-	-
	236.00 - 237.00	Ep 1		1386142	278.00	279.00	1.00	0	-	0.02	-	-
	236.00 - 237.00	Hem 3		1386143	279.00	280.00	1.00	0	-	0.02	-	-
	237.00 - 238.00	Hem 4		1386144	280.00	281.00	1.00	0	-	0.01	-	-

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Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
	237.00 - 238.00	Ep 1		1386145	281.00	282.00	1.00	0	-	0.01	-	-
	238.00 - 239.00	Hem 4		1386146	282.00	283.00	1.00	0	-	0.02	-	-
	238.00 - 239.00	Ep 1		1386147	283.00	284.00	1.00	0	-	0.01	-	-
	239.00 - 240.00	Ep 1		1386148	284.00	285.00	1.00	0	-	0.02	-	-
	239.00 - 240.00	Hem 4		1386149	285.00	286.00	1.00	0	-	0.02	-	-
	240.00 - 241.00	Ep 1		1386150	286.00	287.00	1.00	0	-	0.01	0.01	-
	240.00 - 241.00	Hem 4		1386151	287.00	288.00	1.00	0	-	0.01	-	-
	240.00 - 241.00	Hem 4		1386153	288.00	289.00	1.00	0	-	0.01	-	-
	241.00 - 242.00	Ep 2		1386154	289.00	290.00	1.00	0	-	0.01	-	-
	241.00 - 242.00	Na 1		1386155	290.00	291.00	1.00	0	-	0.01	-	-
	241.00 - 242.00	Hem 4		1386156	291.00	292.00	1.00	0	-	0.01	-	-
	242.00 - 243.00	Hem 4		1386157	292.00	292.70	0.70	0	-	0.03	-	-
	243.00 - 244.00	Hem 4		1386158	292.70	294.00	1.30	0	-	0.01	-	-
	244.00 - 245.00	Hem 4		1386159	294.00	295.00	1.00	0	-	0.01	-	-
	245.00 - 246.00	Hem 4		1386160	295.00	296.00	1.00	0	-	0.01	0.01	-
	246.00 - 247.00	Hem 4		1386161	296.00	297.00	1.00	0	-	0.01	-	-
	246.00 - 247.00	Hem 4		1386162	297.00	298.00	1.00	0	-	0.02	-	-
	247.00 - 248.00	Hem 4		1386163	298.00	299.00	1.00	0	-	0.01	-	-
	248.00 - 249.00	Hem 4		1386164	299.00	300.00	1.00	0	-	0.01	-	-
	249.00 - 250.00	Hem 4										
	250.00 - 251.00	Hem 4										
	251.00 - 252.00	Hem 3										
	252.00 - 253.00	Hem 3										
	253.00 - 254.00	Ep 2										
	253.00 - 254.00	Hem 3										
	254.00 - 255.00	Hem 2										
	254.00 - 255.00	Ep 2										

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Project: **COTE GOLD**

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	255.00 - 255.60	Ep	2									
	255.00 - 255.60	Hem	2									
	255.60 - 257.00	Hem	1									
	257.00 - 258.00	Hem	2									
	258.00 - 259.00	Hem	3									
	259.00 - 260.00	Hem	1									
	260.00 - 261.00	Ep	1									
	260.00 - 261.00	Hem	2									
	261.00 - 262.00	Ep	1									
	261.00 - 262.00	Hem	2									
	262.00 - 263.20	Hem	3									
	262.00 - 263.20	Ep	2									
	263.20 - 264.00	Hem	1									
	264.00 - 264.55	Hem	1									
	264.55 - 266.00	Hem	3									
	264.55 - 266.00	Ep	1									
	266.00 - 267.00	Hem	3									
	266.00 - 267.00	Ep	1									
	267.00 - 268.00	Ep	1									
	267.00 - 268.00	Hem	4									
	268.00 - 269.00	Hem	4									
	268.00 - 269.00	Ep	1									
	269.00 - 270.00	Hem	4									
	269.00 - 270.00	Ep	1									
	270.00 - 271.00	Hem	4									



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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	270.00 - 271.00	Ep	1									
	271.00 - 271.86	Hem	4									
	271.00 - 271.86	Ep	1									
	271.86 - 272.80	Hem	4									
	272.80 - 274.00	Hem	4									
	274.00 - 274.55	Hem	5									
	274.55 - 276.00	Hem	2									
	276.00 - 277.20	Hem	1									
	277.20 - 278.00	Ep	1									
	277.20 - 278.00	Hem	4									
	278.00 - 279.00	Hem	3									
	279.00 - 280.00	Hem	3									
	280.00 - 281.00	Hem	3									
	281.00 - 282.00	Hem	3									
	283.00 - 284.00	Hem	3									
	284.00 - 285.00	Hem	3									
	285.00 - 286.00	Hem	3									
	286.00 - 287.00	Hem	4									
	287.00 - 288.00	Hem	4									
	288.00 - 289.00	Hem	4									
	289.00 - 290.00	Hem	5									
	290.00 - 291.00	Hem	5									
	291.00 - 292.00	Hem	4									
	292.00 - 292.70	Hem	4									
	292.70 - 294.00	Hem	1									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	294.00 - 295.00	Hem	2									
	295.00 - 296.00	Hem	2									
	296.00 - 297.00	Hem	2									
	297.00 - 298.00	Hem	4									
	298.00 - 299.00	Hem	4									
	299.00 - 300.00	Hem	3									
	<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>									
	204.12 - 205.00	PO	0									
	204.12 - 205.00	PY	0.1									
	204.12 - 205.00	TS	0									
	205.00 - 206.00	TS	0									
	205.00 - 206.00	PY	0.1									
	206.00 - 207.00	TS	0									
	206.00 - 207.00	PY	0.1									
	207.00 - 208.00	TS	0									
	207.00 - 208.00	PY	0.1									
	208.00 - 209.00	PY	0.4									
	208.00 - 209.00	TS	0									
	209.00 - 210.00	PY	0.1									
	209.00 - 210.00	TS	0									
	210.00 - 211.00	TS	0									
	210.00 - 211.00	PY	0.1									
	211.00 - 212.00	CPY	0.1									
	211.00 - 212.00	PY	0.5									
	211.00 - 212.00	TS	0									
	212.00 - 212.95	TS	0									
	212.00 - 212.95	PY	0.4									
	212.95 - 213.45	TS	0									
	212.95 - 213.45	PY	0.2									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	213.45 - 214.45	TS	0									
	213.45 - 214.45	PY	0.5									
	214.45 - 215.58	PY	0.2									
	214.45 - 215.58	TS	0									
	215.58 - 217.00	PY	0.2									
	215.58 - 217.00	TS	0									
	217.00 - 218.00	PY	0.1									
	217.00 - 218.00	TS	0									
	218.00 - 219.00	PY	0.05									
	218.00 - 219.00	TS	0									
	219.00 - 220.00	PY	0.1									
	219.00 - 220.00	TS	0									
	220.00 - 221.00	PY	0.1									
	220.00 - 221.00	TS	0									
	221.00 - 222.00	PY	0.1									
	221.00 - 222.00	TS	0									
	222.00 - 223.00	PY	0.2									
	222.00 - 223.00	TS	0									
	223.00 - 224.00	TS	0									
	223.00 - 224.00	PY	0.1									
	224.00 - 224.50	TS	0									
	224.00 - 224.50	PY	0.1									
	224.50 - 225.90	PY	0.3									
	224.50 - 225.90	TS	0									
	225.90 - 227.00	TS	0									
	225.90 - 227.00	PY	0.1									
	227.00 - 228.00	TS	0									
	227.00 - 228.00	PY	0.05									
	228.00 - 229.00	TS	0									
	228.00 - 229.00	PY	0.05									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	229.00 - 230.00	TS	0									
	229.00 - 230.00	PY	0.05									
	230.00 - 231.00	PY	0.05									
	230.00 - 231.00	TS	0									
	231.00 - 232.00	PY	0.1									
	231.00 - 232.00	TS	0									
	232.00 - 233.00	PY	0.1									
	232.00 - 233.00	TS	0									
	233.00 - 234.23	PY	0.1									
	233.00 - 234.23	TS	0									
	234.23 - 235.20	TS	0									
	234.23 - 235.20	PY	0.1									
	235.20 - 236.00	TS	0									
	235.20 - 236.00	PY	0.05									
	236.00 - 237.00	PY	0.05									
	236.00 - 237.00	TS	0									
	237.00 - 238.00	PY	0.05									
	237.00 - 238.00	TS	0									
	238.00 - 239.00	PY	0.1									
	238.00 - 239.00	TS	0									
	239.00 - 240.00	TS	0									
	239.00 - 240.00	PY	0.05									
	240.00 - 241.00	PY	0.05									
	240.00 - 241.00	TS	0									
	241.00 - 242.00	PY	0.1									
	241.00 - 242.00	TS	0									
	242.00 - 243.00	PY	0.2									
	242.00 - 243.00	TS	0									
	243.00 - 244.00	PY	0.2									
	243.00 - 244.00	TS	0									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	244.00 - 245.00	PY	0.1									
	244.00 - 245.00	TS	0									
	245.00 - 246.00	PY	0.1									
	245.00 - 246.00	TS	0									
	246.00 - 247.00	CPY	0.05									
	246.00 - 247.00	TS	0									
	246.00 - 247.00	PY	0.1									
	247.00 - 248.00	CPY	0.05									
	247.00 - 248.00	TS	0									
	247.00 - 248.00	PY	0.1									
	248.00 - 249.00	TS	0									
	248.00 - 249.00	PY	0.5									
	249.00 - 250.00	TS	0									
	249.00 - 250.00	PY	0.2									
	250.00 - 251.00	PY	0.1									
	250.00 - 251.00	TS	0									
	251.00 - 252.00	PY	0.1									
	251.00 - 252.00	TS	0									
	252.00 - 253.00	PY	0.1									
	252.00 - 253.00	TS	0									
	253.00 - 254.00	PY	0.6									
	253.00 - 254.00	TS	0									
	254.00 - 255.00	PY	0.4									
	254.00 - 255.00	TS	0									
	255.00 - 255.60	TS	0									
	255.00 - 255.60	PY	0.2									
	255.60 - 257.00	TS	0									
	255.60 - 257.00	PY	0.2									
	257.00 - 258.00	TS	0									
	257.00 - 258.00	PY	0.2									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	258.00 - 259.00	TS	0									
	258.00 - 259.00	PY	0.3									
	259.00 - 260.00	TS	0									
	259.00 - 260.00	CPY	0.2									
	259.00 - 260.00	PY	0.05									
	260.00 - 261.00	PY	0.1									
	260.00 - 261.00	TS	0									
	261.00 - 262.00	PY	0.1									
	261.00 - 262.00	TS	0									
	262.00 - 263.20	PY	0.1									
	262.00 - 263.20	TS	0									
	263.20 - 264.00	PY	0.05									
	263.20 - 264.00	TS	0									
	264.00 - 264.55	PY	0.3									
	264.00 - 264.55	TS	0									
	264.55 - 266.00	TS	0									
	264.55 - 266.00	PY	0.1									
	266.00 - 267.00	PY	0.2									
	266.00 - 267.00	TS	0									
	267.00 - 268.00	PY	0.4									
	267.00 - 268.00	TS	0									
	268.00 - 269.00	PY	0.4									
	268.00 - 269.00	TS	0									
	269.00 - 270.00	TS	0									
	269.00 - 270.00	PY	0.4									
	270.00 - 271.00	TS	0									
	270.00 - 271.00	PY	0.4									
	271.00 - 271.86	TS	0									
	271.00 - 271.86	PY	0.1									
	271.86 - 272.80	TS	0									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	271.86 - 272.80	PY	0.2									
	272.80 - 274.00	TS	0									
	272.80 - 274.00	PY	0.1									
	274.00 - 274.55	TS	0									
	274.00 - 274.55	PY	0.1									
	274.55 - 276.00	PY	0.1									
	274.55 - 276.00	TS	0									
	276.00 - 277.20	PY	0.1									
	276.00 - 277.20	TS	0									
	277.20 - 278.00	TS	0									
	277.20 - 278.00	PY	0.1									
	278.00 - 279.00	PY	0.1									
	278.00 - 279.00	TS	0									
	279.00 - 280.00	TS	0									
	279.00 - 280.00	PY	0.1									
	280.00 - 281.00	PY	0.05									
	280.00 - 281.00	TS	0									
	281.00 - 282.00	TS	0									
	281.00 - 282.00	PY	0.05									
	282.00 - 283.00	PY	0.05									
	282.00 - 283.00	TS	0									
	283.00 - 284.00	TS	0									
	283.00 - 284.00	PY	0.8									
	284.00 - 285.00	TS	0									
	284.00 - 285.00	PY	0.1									
	285.00 - 286.00	TS	0									
	285.00 - 286.00	PY	0.3									
	286.00 - 287.00	PY	0.1									
	286.00 - 287.00	TS	0									
	287.00 - 288.00	PY	0.2									

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	287.00 - 288.00	TS	0									
	288.00 - 289.00	TS	0									
	288.00 - 289.00	PY	0.1									
	289.00 - 290.00	PY	0.1									
	289.00 - 290.00	TS	0									
	290.00 - 291.00	PY	0.1									
	290.00 - 291.00	TS	0									
	291.00 - 292.00	PY	0.05									
	291.00 - 292.00	TS	0									
	292.00 - 292.70	TS	0									
	292.00 - 292.70	PY	0.05									
	292.70 - 294.00	TS	0									
	292.70 - 294.00	PY	0.05									
	294.00 - 295.00	TS	0									
	294.00 - 295.00	PY	0.05									
	295.00 - 296.00	TS	0									
	295.00 - 296.00	PY	0.05									
	296.00 - 297.00	TS	0									
	296.00 - 297.00	PY	0.05									
	297.00 - 298.00	TS	0									
	297.00 - 298.00	PY	0.05									
	298.00 - 299.00	TS	0									
	298.00 - 299.00	PY	0.05									
	299.00 - 300.00	TS	0									
	299.00 - 300.00	PY	0.05									



## QUALITY CONTROL REPORT

Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)	
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)		Au (ppm)
1258839	STANDARD		OREAS 152	AccurAssay	-	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1258852	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1258865	STANDARD		OREAS 15g	AccurAssay	-	-	0.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1258879	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1258892	STANDARD		OREAS 16a	AccurAssay	-	-	1.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1258905	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1258918	STANDARD		OREAS 66a	AccurAssay	-	-	1.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1258931	BLKDIA			AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1258944	STANDARD		OREAS 152	AccurAssay	-	-	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1258957	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1258970	STANDARD		OREAS 15g	AccurAssay	-	-	0.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1258983	BLKDIA			AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1258996	STANDARD		OREAS 16a	AccurAssay	-	-	1.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1386009	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1386022	STANDARD		OREAS 66a	AccurAssay	-	-	1.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1386035	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1386048	STANDARD		OREAS 152	AccurAssay	-	-	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1386061	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1386074	STANDARD		OREAS 15g	AccurAssay	-	-	0.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1386087	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1386100	STANDARD		OREAS 16a	AccurAssay	-	-	1.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1386113	BLKDIA			AccurAssay	-	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1386126	STANDARD		OREAS 66a	AccurAssay	-	-	1.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1386139	BLKDIA			AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1386152	STANDARD		OREAS 152	AccurAssay	-	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## QUALITY CONTROL REPORT

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Hole Number **CL12-00017**

Project: **COTE GOLD**

Project Number: **001**

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1386165	BLKDIA	AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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## DRILL HOLE REPORT

Hole Number: **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 332	<b>Length:</b> 0	<b>Dimension:</b> BQW	<b>Claim No.:</b> S20661	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -46	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 298.2	<b>Capped:</b> Yes	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 10-Apr-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 13-Apr-12	<b>Left in hole:</b> no	<b>Logged by:</b> ployer	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 11-Apr-12	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>				
<b>Comment:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
			<b>East:</b> 430857.27	<b>East:</b> 430853
			<b>North:</b> 5266275.52	<b>North:</b> 5266273
			<b>Elev.:</b> 393.27	<b>Elev.:</b> 406
			<b>Coordinate - Local</b>	<b>East:</b> 9900
				<b>North:</b> 8900
				<b>Elev.:</b> 406

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	332.00	-46.00	0	0	0	0	C	<input type="checkbox"/>	
12.00	332.20	-46.30	0	0	0	56740	Flexit	<input checked="" type="checkbox"/>	
50.00	332.80	-46.80	0	0	0	55840	Flexit	<input checked="" type="checkbox"/>	
100.00	335.80	-46.10	0	0	0	55780	Flexit	<input checked="" type="checkbox"/>	
150.00	336.00	-45.00	0	0	0	55780	Flexit	<input checked="" type="checkbox"/>	
200.00	338.50	-43.60	0	0	0	55870	Flexit	<input checked="" type="checkbox"/>	
252.00	339.10	-42.40	0	0	0	55860	Flexit	<input checked="" type="checkbox"/>	
298.20	340.20	-40.40	0	0	0	55870	Flexit	<input checked="" type="checkbox"/>	

## LITHOLOGY REPORT - Detailed -

Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
0.00	2.00	<b>OB</b> <i>Overburden</i>										
2.00	298.20	<b>IITNL</b> <i>Tonalite</i> <b>T</b>										
		<i>Alteration Maj:</i>	<i>Type/Style/Intensity</i>	<i>Comment</i>								
		2.00 - 3.00	Na 2		1259501	2.00	3.00	1.00	0	-	0.01	-
		3.00 - 4.00	Na 2		1259502	3.00	4.00	1.00	<0	-	<0.01	-
		4.00 - 5.00	Na 2		1259503	4.00	5.00	1.00	<0	-	<0.01	-
		5.00 - 6.00	Na 2		1259504	5.00	6.00	1.00	<0	-	<0.01	-
		6.00 - 7.00	Na 2		1259506	6.00	7.00	1.00	<0	-	<0.01	-
		7.00 - 8.00	Na 2		1259507	7.00	8.00	1.00	<0	-	<0.01	-
		8.00 - 9.00	Na 2		1259508	8.00	9.00	1.00	0	-	0.01	-
		9.00 - 10.00	Na 2		1259509	9.00	10.00	1.00	0	-	0.01	-
		10.00 - 11.00	Na 2		1259510	10.00	11.00	1.00	<0	-	<0.01	<0.01
		10.00 - 11.00	Hem 2		1259511	11.00	12.00	1.00	0	-	0.01	-
		11.00 - 12.00	Na 2		1259512	12.00	13.00	1.00	<0	-	<0.01	-
		11.00 - 12.00	Hem 2		1259513	13.00	14.00	1.00	<0	-	<0.01	-
		12.00 - 13.00	Na 2		1259514	14.00	15.00	1.00	<0	-	<0.01	-
		13.00 - 14.00	Hem 2		1259515	15.00	16.00	1.00	<0	-	<0.01	-
					1259516	16.00	17.00	1.00	0	-	0.01	-
					1259517	17.00	18.00	1.00	0	-	0.01	-
					1259519	18.00	19.00	1.00	0	-	0.01	-
					1259520	19.00	20.00	1.00	<0	-	<0.01	0.01
					1259521	20.00	21.00	1.00	<0	-	<0.01	-

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
13.00 - 14.00		Na 2		1259522	21.00	22.00	1.00	<0	-	<0.01	-	-
14.00 - 15.00		Na 2		1259523	22.00	23.00	1.00	<0	-	<0.01	-	-
15.00 - 16.00		Na 2		1259524	23.00	24.00	1.00	<0	-	<0.01	-	-
16.00 - 17.00		Na 3		1259525	24.00	25.00	1.00	<0	-	<0.01	-	-
17.00 - 18.00		Na 3		1259526	25.00	26.00	1.00	<0	-	<0.01	-	-
18.00 - 19.00		Na 3		1259527	26.00	27.00	1.00	0	-	0.01	-	-
19.00 - 20.00		Na 3		1259528	27.00	28.00	1.00	0	-	0.01	-	-
20.00 - 21.00		Na 3		1259529	28.00	29.00	1.00	<0	-	<0.01	-	-
21.00 - 22.00		Na 3		1259530	29.00	30.00	1.00	<0	-	<0.01	0.01	-
22.00 - 23.00		Hem 3		1259531	30.00	31.00	1.00	<0	-	<0.01	-	-
22.00 - 23.00		Na 2		1259532	31.00	32.00	1.00	0	-	0.01	-	-
23.00 - 24.00		Na 2		1259533	32.00	33.00	1.00	<0	-	<0.01	-	-
24.00 - 25.00		Na 2		1259534	33.00	34.00	1.00	0	-	0.01	-	-
25.00 - 26.00		Na 2		1259535	34.00	35.00	1.00	<0	-	<0.01	-	-
26.00 - 27.00		Na 2		1259536	35.00	36.00	1.00	<0	-	<0.01	-	-
27.00 - 28.00		Na 2		1259537	36.00	37.00	1.00	0	-	0.01	-	-
28.00 - 29.00		Na 2		1259538	37.00	38.00	1.00	<0	-	<0.01	-	-
29.00 - 30.00		Na 2		1259539	38.00	39.00	1.00	<0	-	<0.01	<0.01	-
30.00 - 31.00		Na 2		1259540	39.00	40.00	1.00	<0	-	<0.01	-	-
31.00 - 32.00		Na 2		1259541	40.00	41.00	1.00	<0	-	<0.01	-	-
32.00 - 33.00		Na 2		1259542	41.00	42.00	1.00	0	-	0.01	-	-
33.00 - 34.00		Na 2		1259543	42.00	43.00	1.00	0	-	0.01	-	-
34.00 - 35.00		Na 2		1259544	43.00	44.00	1.00	<0	-	<0.01	-	-
35.00 - 36.00		Na 2		1259545	44.00	45.00	1.00	<0	-	<0.01	-	-
36.00 - 37.00		Na 2		1259546	45.00	46.00	1.00	<0	-	<0.01	-	-
				1259547	46.00	47.00	1.00	<0	-	<0.01	-	-
				1259548	47.00	48.00	1.00	<0	-	<0.01	<0.01	-
				1259549								
				1259550								

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	37.00 - 38.00	Na 2		1259551	48.00	49.00	1.00	<0	-	<0.01	-	-
	38.00 - 39.00	Na 2		1259552	49.00	50.00	1.00	0	-	0.02	-	-
	39.00 - 40.00	Na 2		1259553	50.00	51.00	1.00	0	-	0.01	-	-
	40.00 - 41.00	Hem 3		1259554	51.00	52.00	1.00	<0	-	<0.01	-	-
	40.00 - 41.00	Na 2		1259555	52.00	53.00	1.00	0	-	0.01	-	-
	41.00 - 42.00	Hem 3		1259556	53.00	54.00	1.00	0	-	0.01	-	-
	41.00 - 42.00	Na 2		1259558	54.00	55.00	1.00	0	-	0.03	-	-
	41.00 - 42.00	Na 2		1259559	55.00	56.00	1.00	0	-	0.01	-	-
	42.00 - 43.00	Hem 3		1259560	56.00	57.00	1.00	0	-	0.04	0.02	-
	42.00 - 43.00	Na 2		1259561	57.00	58.00	1.00	0	-	0.01	-	-
	43.00 - 44.00	Hem 3		1259562	58.00	59.00	1.00	0	-	0.02	-	-
	43.00 - 44.00	Na 2		1259563	59.00	60.00	1.00	0	-	0.07	-	-
	44.00 - 45.00	Na 2		1259564	60.00	61.00	1.00	0	-	0.02	-	-
	44.00 - 45.00	Hem 1		1259565	61.00	62.00	1.00	<0	-	<0.01	-	-
	45.00 - 46.00	Na 2		1259566	62.00	63.00	1.00	0	-	0.06	-	-
	46.00 - 47.00	Na 2		1259567	63.00	64.00	1.00	0	-	0.13	-	-
	46.00 - 47.00	Na 2		1259568	64.00	65.00	1.00	<0	-	<0.01	-	-
	47.00 - 48.00	Na 2		1259569	65.00	66.00	1.00	<0	-	<0.01	-	-
	48.00 - 49.00	Na 2		1259571	66.00	67.00	1.00	<0	-	<0.01	-	-
	49.00 - 50.00	Na 2		1259572	67.00	68.00	1.00	<0	-	<0.01	-	-
	50.00 - 51.00	Na 2		1259573	68.00	69.00	1.00	<0	-	<0.01	-	-
	51.00 - 52.00	Hem 1		1259574	69.00	70.00	1.00	<0	-	<0.01	-	-
	51.00 - 52.00	Na 2		1259575	70.00	71.00	1.00	<0	-	<0.01	-	-
	52.00 - 53.00	Na 2		1259576	71.00	72.00	1.00	<0	-	<0.01	-	-
	53.00 - 54.00	Na 2		1259577	72.00	73.00	1.00	<0	-	<0.01	-	-
	53.00 - 54.00	Hem 1		1259578	73.00	74.00	1.00	<0	-	<0.01	-	-
	54.00 - 55.00	Na 2		1259579	74.00	75.00	1.00	<0	-	<0.01	-	-

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
55.00 - 56.00	Na 2			1259580	75.00	76.00	1.00	<0	-	<0.01	<0.01	-
56.00 - 57.00	Na 2			1259581	76.00	77.00	1.00	<0	-	<0.01	-	-
57.00 - 58.00	Na 3			1259582	77.00	78.00	1.00	<0	-	<0.01	-	-
58.00 - 59.00	Na 3			1259584	78.00	79.00	1.00	<0	-	<0.01	-	-
59.00 - 60.00	Na 3			1259585	79.00	80.00	1.00	0	-	0.01	-	-
60.00 - 61.00	Na 3			1259586	80.00	81.00	1.00	0	-	0.01	-	-
61.00 - 62.00	Na 2			1259587	81.00	82.00	1.00	<0	-	<0.01	-	-
62.00 - 63.00	Na 2			1259588	82.00	83.00	1.00	<0	-	<0.01	-	-
63.00 - 64.00	Na 2			1259589	83.00	84.00	1.00	0	-	0.01	-	-
64.00 - 65.00	Na 2			1259590	84.00	85.00	1.00	0	-	0.01	<0.01	-
65.00 - 66.00	Na 2			1259591	85.00	86.00	1.00	0	-	0.01	-	-
66.00 - 67.00	Na 2			1259592	86.00	87.00	1.00	0	-	0.01	-	-
67.00 - 68.00	Na 2			1259593	87.00	88.00	1.00	<0	-	<0.01	-	-
67.00 - 68.00	Hem 3			1259594	88.00	89.00	1.00	<0	-	<0.01	-	-
68.00 - 69.00	Na 2			1259595	89.00	90.00	1.00	0	-	0.01	-	-
68.00 - 69.00	Hem 3			1259597	90.00	91.00	1.00	<0	-	<0.01	-	-
69.00 - 70.00	Na 2			1259598	91.00	92.00	1.00	<0	-	<0.01	-	-
69.00 - 70.00	Hem 3			1259599	92.00	93.00	1.00	0	-	0.01	-	-
70.00 - 71.00	Na 2			1259600	93.00	94.00	1.00	<0	-	<0.01	<0.01	-
70.00 - 71.00	Hem 3			1259601	94.00	95.00	1.00	<0	-	<0.01	-	-
71.00 - 72.00	Na 2			1259602	95.00	96.00	1.00	<0	-	<0.01	-	-
71.00 - 72.00	Hem 3			1259603	96.00	97.00	1.00	<0	-	<0.01	-	-
72.00 - 73.00	Na 2			1259604	97.00	98.00	1.00	<0	-	<0.01	-	-
72.00 - 73.00	Hem 1			1259605	98.00	99.00	1.00	0	-	0.01	-	-
73.00 - 74.00	Na 2			1259606	99.00	100.00	1.00	0	-	0.01	-	-
				1259607	100.00	101.00	1.00	<0	-	<0.01	-	-
				1259608	101.00	102.00	1.00	<0	-	<0.01	-	-

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
73.00 - 74.00		Hem 1		1259610	102.00	103.00	1.00	<0	-	<0.01	<0.01	-
74.00 - 75.00		Na 2		1259611	103.00	104.00	1.00	<0	-	<0.01	-	-
74.00 - 75.00		Hem 1		1259612	104.00	105.00	1.00	<0	-	<0.01	-	-
75.00 - 76.00		Na 2		1259613	105.00	106.00	1.00	<0	-	<0.01	-	-
75.00 - 76.00		Hem 1		1259614	106.00	107.00	1.00	<0	-	<0.01	-	-
76.00 - 77.00		Na 2		1259615	107.00	108.00	1.00	<0	-	<0.01	-	-
76.00 - 77.00		Hem 1		1259616	108.00	109.00	1.00	<0	-	<0.01	-	-
77.00 - 78.00		Na 2		1259617	109.00	110.00	1.00	<0	-	<0.01	-	-
77.00 - 78.00		Hem 1		1259618	110.00	111.00	1.00	<0	-	<0.01	-	-
78.00 - 79.00		Na 2		1259619	111.00	112.00	1.00	<0	-	<0.01	-	-
78.00 - 79.00		Hem 1		1259620	112.00	113.00	1.00	<0	-	<0.01	<0.01	-
79.00 - 80.00		Na 2		1259621	113.00	114.00	1.00	0	-	0.01	-	-
79.00 - 80.00		Hem 1		1259623	114.00	115.00	1.00	<0	-	<0.01	-	-
80.00 - 81.00		Na 2		1259624	115.00	116.00	1.00	<0	-	<0.01	-	-
80.00 - 81.00		Hem 1		1259625	116.00	117.00	1.00	<0	-	<0.01	-	-
80.00 - 81.00		Na 2		1259626	117.00	118.00	1.00	<0	-	<0.01	-	-
80.00 - 81.00		Hem 1		1259627	118.00	119.00	1.00	<0	-	<0.01	-	-
81.00 - 82.00		Na 2		1259628	119.00	120.00	1.00	<0	-	<0.01	-	-
81.00 - 82.00		Hem 1		1259629	120.00	121.00	1.00	<0	-	<0.01	-	-
82.00 - 83.00		Na 2		1259630	121.00	122.00	1.00	<0	-	<0.01	<0.01	-
82.00 - 83.00		Hem 1		1259631	122.00	123.00	1.00	<0	-	<0.01	-	-
83.00 - 84.00		Na 2		1259632	123.00	124.00	1.00	0	-	0.01	-	-
83.00 - 84.00		Hem 1		1259633	124.00	125.00	1.00	<0	-	<0.01	-	-
84.00 - 85.00		Na 2		1259634	125.00	126.00	1.00	0	-	0.01	-	-
84.00 - 85.00		Hem 1		1259636	126.00	127.00	1.00	<0	-	<0.01	-	-
85.00 - 86.00		Na 2		1259637	127.00	128.00	1.00	0	-	0.01	-	-
85.00 - 86.00		Hem 1		1259638	128.00	129.00	1.00	<0	-	<0.01	-	-



**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
86.00 - 87.00	86.00 - 87.00	Na 2		1259639	129.00	130.00	1.00	<0	-	<0.01	-	-
86.00 - 87.00	86.00 - 87.00	Hem 1		1259640	130.00	131.00	1.00	<0	-	<0.01	<0.01	-
87.00 - 88.00	87.00 - 88.00	Na 2		1259641	131.00	132.00	1.00	0	-	0.02	-	-
87.00 - 88.00	87.00 - 88.00	Hem 1		1259642	132.00	133.00	1.00	<0	-	<0.01	-	-
88.00 - 89.00	88.00 - 89.00	Na 2		1259643	133.00	134.00	1.00	<0	-	<0.01	-	-
89.00 - 90.00	89.00 - 90.00	Na 2		1259644	134.00	135.00	1.00	<0	-	<0.01	-	-
89.00 - 90.00	89.00 - 90.00	Hem 1		1259645	135.00	136.00	1.00	<0	-	<0.01	-	-
90.00 - 91.00	90.00 - 91.00	Hem 1		1259646	136.00	137.00	1.00	<0	-	<0.01	-	-
90.00 - 91.00	90.00 - 91.00	Na 2		1259647	137.00	138.00	1.00	0	-	0.22	-	-
91.00 - 92.00	91.00 - 92.00	Na 2		1259649	138.00	139.00	1.00	0	-	0.01	-	-
91.00 - 92.00	91.00 - 92.00	Hem 3		1259650	139.00	140.00	1.00	0	-	0.02	0.01	-
92.00 - 93.00	92.00 - 93.00	Hem 3		1259651	140.00	141.00	1.00	0	-	0.01	-	-
92.00 - 93.00	92.00 - 93.00	Na 2		1259652	141.00	142.00	1.00	<0	-	<0.01	-	-
93.00 - 94.00	93.00 - 94.00	Na 2		1259653	142.00	143.00	1.00	<0	-	<0.01	-	-
93.00 - 94.00	93.00 - 94.00	Hem 3		1259654	143.00	144.00	1.00	<0	-	<0.01	-	-
94.00 - 95.00	94.00 - 95.00	Hem 3		1259655	144.00	145.00	1.00	<0	-	<0.01	-	-
94.00 - 95.00	94.00 - 95.00	Na 2		1259656	145.00	146.00	1.00	<0	-	<0.01	-	-
94.00 - 95.00	94.00 - 95.00	Na 2		1259657	146.00	147.00	1.00	<0	-	<0.01	-	-
95.00 - 96.00	95.00 - 96.00	Hem 3		1259658	147.00	148.00	1.00	<0	-	<0.01	-	-
95.00 - 96.00	95.00 - 96.00	Na 2		1259659	148.00	149.00	1.00	<0	-	<0.01	-	-
96.00 - 97.00	96.00 - 97.00	Na 2		1259660	149.00	150.00	1.00	<0	-	<0.01	<0.01	-
96.00 - 97.00	96.00 - 97.00	Hem 3		1259662	150.00	151.00	1.00	<0	-	<0.01	-	-
97.00 - 98.00	97.00 - 98.00	Na 2		1259663	151.00	152.00	1.00	<0	-	<0.01	-	-
97.00 - 98.00	97.00 - 98.00	Hem 3		1259664	152.00	153.00	1.00	<0	-	<0.01	-	-
98.00 - 99.00	98.00 - 99.00	Hem 3		1259665	153.00	154.00	1.00	<0	-	<0.01	-	-
98.00 - 99.00	98.00 - 99.00	Na 2		1259666	154.00	155.00	1.00	<0	-	<0.01	-	-
99.00 - 100.00	99.00 - 100.00	Na 2		1259667	155.00	156.00	1.00	<0	-	<0.01	-	-

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
99.00 - 100.00		Hem 3		1259668	156.00	157.00	1.00	<0	-	<0.01	-	-
100.00 - 101.00		Na 2		1259669	157.00	158.00	1.00	<0	-	<0.01	-	-
100.00 - 101.00		Hem 3		1259670	158.00	159.00	1.00	<0	-	<0.01	<0.01	-
101.00 - 102.00		Hem 3		1259671	159.00	160.00	1.00	<0	-	<0.01	-	-
101.00 - 102.00		Na 2		1259672	160.00	161.00	1.00	<0	-	<0.01	-	-
102.00 - 103.00		Hem 3		1259673	161.00	162.00	1.00	<0	-	<0.01	-	-
102.00 - 103.00		Na 2		1259675	162.00	163.00	1.00	<0	-	<0.01	-	-
102.00 - 103.00		Na 2		1259676	163.00	164.00	1.00	<0	-	<0.01	-	-
103.00 - 104.00		Na 2		1259677	164.00	165.00	1.00	<0	-	<0.01	-	-
103.00 - 104.00		Hem 3		1259678	165.00	166.00	1.00	<0	-	<0.01	-	-
104.00 - 105.00		Hem 3		1259679	166.00	167.00	1.00	<0	-	<0.01	-	-
104.00 - 105.00		Na 2		1259680	167.00	168.00	1.00	<0	-	<0.01	<0.01	-
105.00 - 106.00		Hem 3		1259681	168.00	169.00	1.00	<0	-	<0.01	-	-
105.00 - 106.00		Na 2		1259682	169.00	170.00	1.00	<0	-	<0.01	-	-
106.00 - 107.00		Hem 3		1259683	170.00	171.00	1.00	0	-	0.01	-	-
106.00 - 107.00		Na 2		1259684	171.00	172.00	1.00	<0	-	<0.01	-	-
106.00 - 107.00		Na 2		1259685	172.00	173.00	1.00	<0	-	<0.01	-	-
107.00 - 108.00		Hem 3		1259686	173.00	174.00	1.00	<0	-	<0.01	-	-
107.00 - 108.00		Na 2		1259687	174.00	175.00	1.00	<0	-	<0.01	-	-
108.00 - 109.00		Hem 3		1259689	175.00	176.00	1.00	<0	-	<0.01	-	-
108.00 - 109.00		Na 2		1259690	176.00	177.00	1.00	0	-	0.01	<0.01	-
109.00 - 110.00		Hem 3		1259691	177.00	178.00	1.00	<0	-	<0.01	-	-
109.00 - 110.00		Na 2		1259692	178.00	179.00	1.00	<0	-	<0.01	-	-
110.00 - 111.00		Hem 3		1259693	179.00	180.00	1.00	<0	-	<0.01	-	-
110.00 - 111.00		Na 2		1259694	180.00	181.00	1.00	<0	-	<0.01	-	-
111.00 - 112.00		Na 2		1259695	181.00	182.00	1.00	<0	-	<0.01	-	-
111.00 - 112.00		Hem 3		1259696	182.00	183.00	1.00	<0	-	<0.01	-	-

## LITHOLOGY REPORT - Detailed -

Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
112.00 - 113.00		Hem 3		1259697	183.00	184.00	1.00	<0	-	<0.01	-	-
112.00 - 113.00		Na 2		1259698	184.00	185.00	1.00	<0	-	<0.01	-	-
113.00 - 114.00		Hem 3		1259699	185.00	186.00	1.00	<0	-	<0.01	-	-
113.00 - 114.00		Na 2		1259700	186.00	187.00	1.00	<0	-	<0.01	<0.01	-
114.00 - 115.00		Na 3		1259702	187.00	188.00	1.00	0	-	0.01	-	-
114.00 - 115.00		Hem 2		1259703	188.00	189.00	1.00	<0	-	<0.01	-	-
114.00 - 115.00		Hem 2		1259704	189.00	190.00	1.00	<0	-	<0.01	-	-
115.00 - 116.00		Na 3		1259705	190.00	191.00	1.00	<0	-	<0.01	-	-
115.00 - 116.00		Hem 2		1259706	191.00	192.00	1.00	<0	-	<0.01	-	-
116.00 - 117.00		Hem 2		1259707	192.00	193.00	1.00	<0	-	<0.01	-	-
116.00 - 117.00		Na 3		1259708	193.00	194.00	1.00	<0	-	<0.01	-	-
117.00 - 118.00		Hem 2		1259709	194.00	195.00	1.00	<0	-	<0.01	-	-
117.00 - 118.00		Na 3		1259710	195.00	196.00	1.00	<0	-	<0.01	<0.01	-
118.00 - 119.00		Na 3		1259711	196.00	197.00	1.00	<0	-	<0.01	-	-
118.00 - 119.00		Hem 2		1259712	197.00	198.00	1.00	<0	-	<0.01	-	-
119.00 - 120.00		Hem 2		1259713	198.00	199.00	1.00	<0	-	<0.01	-	-
119.00 - 120.00		Na 3		1259715	199.00	200.00	1.00	<0	-	<0.01	-	-
119.00 - 120.00		Na 3		1259716	200.00	201.00	1.00	<0	-	<0.01	-	-
120.00 - 121.00		Hem 2		1259717	201.00	202.00	1.00	0	-	0.01	-	-
120.00 - 121.00		Na 3		1259718	202.00	203.00	1.00	<0	-	<0.01	-	-
121.00 - 122.00		Hem 2		1259719	203.00	204.00	1.00	<0	-	<0.01	-	-
121.00 - 122.00		Na 3		1259720	204.00	205.00	1.00	<0	-	<0.01	<0.01	-
122.00 - 123.00		Na 3		1259721	205.00	206.00	1.00	<0	-	<0.01	-	-
122.00 - 123.00		Hem 2		1259722	206.00	207.00	1.00	<0	-	<0.01	-	-
123.00 - 124.00		Na 3		1259723	207.00	208.00	1.00	<0	-	<0.01	-	-
123.00 - 124.00		Hem 2		1259724	208.00	209.00	1.00	<0	-	<0.01	-	-
124.00 - 125.00		Na 2		1259725	209.00	210.00	1.00	<0	-	<0.01	-	-

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
124.00 - 125.00		Hem 3		1259726	210.00	211.00	1.00	<0	-	<0.01	-	-
125.00 - 126.00		Na 2		1259728	211.00	212.00	1.00	<0	-	<0.01	-	-
125.00 - 126.00		Hem 3		1259729	212.00	213.00	1.00	<0	-	<0.01	-	-
126.00 - 127.00		Hem 3		1259730	213.00	214.00	1.00	<0	-	<0.01	<0.01	-
126.00 - 127.00		Na 2		1259731	214.00	215.00	1.00	<0	-	<0.01	-	-
127.00 - 128.00		Hem 3		1259732	215.00	216.00	1.00	<0	-	<0.01	-	-
127.00 - 128.00		Na 2		1259733	216.00	217.00	1.00	0	-	0.01	-	-
128.00 - 129.00		Hem 3		1259734	217.00	218.00	1.00	<0	-	<0.01	<0.01	-
128.00 - 129.00		Na 2		1259735	218.00	219.00	1.00	<0	-	<0.01	-	-
129.00 - 130.00		Na 2		1259736	219.00	220.00	1.00	<0	-	<0.01	-	-
129.00 - 130.00		Hem 3		1259737	220.00	221.00	1.00	<0	-	<0.01	-	-
130.00 - 131.00		Hem 3		1259738	221.00	222.00	1.00	<0	-	<0.01	-	-
130.00 - 131.00		Na 2		1259739	222.00	223.00	1.00	<0	-	<0.01	-	-
131.00 - 132.00		Na 2		1259741	223.00	224.00	1.00	<0	-	<0.01	-	-
131.00 - 132.00		Hem 2		1259742	224.00	225.00	1.00	<0	-	<0.01	-	-
132.00 - 133.00		Hem 2		1259743	225.00	226.00	1.00	0	-	0.05	-	-
132.00 - 133.00		Na 2		1259744	226.00	227.00	1.00	<0	-	<0.01	0.01	-
133.00 - 134.00		Na 2		1259745	227.00	228.00	1.00	<0	-	<0.01	-	-
133.00 - 134.00		Hem 2		1259746	228.00	229.00	1.00	<0	-	<0.01	-	-
134.00 - 135.00		Na 2		1259747	229.00	230.00	1.00	<0	-	<0.01	-	-
134.00 - 135.00		Hem 2		1259748	230.00	231.00	1.00	<0	-	<0.01	-	-
135.00 - 136.00		Na 2		1259749	231.00	232.00	1.00	<0	-	<0.01	-	-
135.00 - 136.00		Hem 2		1259750	232.00	233.00	1.00	<0	-	<0.01	<0.01	-
136.00 - 137.00		Na 2		1259751	233.00	234.00	1.00	<0	-	<0.01	-	-
136.00 - 137.00		Hem 2		1259752	234.00	235.00	1.00	<0	-	<0.01	-	-
136.00 - 137.00		Na 2		1259754	235.00	236.00	1.00	<0	-	<0.01	<0.01	-
136.00 - 137.00		Hem 2		1259755	236.00	237.00	1.00	<0	-	<0.01	-	-

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Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	137.00 - 138.00	Hem 2		1259756	237.00	238.50	1.50	<0	-	<0.01	-	-
	137.00 - 138.00	Na 2		1259757	238.50	240.00	1.50	<0	-	<0.01	-	-
	138.00 - 139.00	Hem 2		1259758	240.00	241.50	1.50	<0	-	<0.01	-	-
	138.00 - 139.00	Na 2		1259759	241.50	243.00	1.50	<0	-	<0.01	-	-
	139.00 - 140.00	Na 3		1259760	243.00	244.50	1.50	<0	-	<0.01	0.01	-
	140.00 - 141.00	Na 3		1259761	244.50	246.00	1.50	<0	-	<0.01	-	-
	141.00 - 142.00	Na 3		1259762	246.00	247.50	1.50	0	-	0.08	-	-
	142.00 - 143.00	Na 3		1259763	247.50	249.00	1.50	0	-	0.01	-	-
	143.00 - 144.00	Na 3		1259764	249.00	250.50	1.50	0	-	0.01	-	-
	144.00 - 145.00	Na 3		1259765	250.50	252.00	1.50	<0	-	<0.01	-	-
	145.00 - 146.00	Na 3		1259767	252.00	253.50	1.50	0	-	0.01	-	-
	146.00 - 147.00	Na 3		1259768	253.50	255.00	1.50	0	-	0.03	-	-
	147.00 - 148.00	Na 3		1259769	255.00	256.50	1.50	<0	-	<0.01	-	-
	148.00 - 149.00	Na 3		1259770	256.50	258.00	1.50	0	-	0.03	0.03	-
	149.00 - 150.00	Na 3		1259771	258.00	259.50	1.50	<0	-	<0.01	-	-
	150.00 - 151.00	Na 3		1259772	259.50	261.00	1.50	<0	-	<0.01	-	-
	151.00 - 152.00	Na 3		1259773	261.00	262.00	1.00	0	-	0.02	-	-
	152.00 - 153.00	Na 3		1259774	262.00	263.50	1.50	<0	-	<0.01	-	-
	153.00 - 154.00	Na 3		1259775	263.50	265.00	1.50	<0	-	<0.01	-	-
	154.00 - 155.00	Na 3		1259776	265.00	266.50	1.50	<0	-	<0.01	-	-
	155.00 - 156.00	Na 3		1259777	266.50	268.00	1.50	<0	-	<0.01	-	-
	156.00 - 157.00	Na 3		1259778	268.00	269.50	1.50	<0	-	<0.01	-	-
	157.00 - 158.00	Na 3		1259779	269.50	271.00	1.50	<0	-	<0.01	-	-
	158.00 - 159.00	Na 3		1259781	271.00	272.50	1.50	<0	-	<0.01	-	-
	159.00 - 160.00	Hem 2		1259782	272.50	274.00	1.50	<0	-	<0.01	-	-
				1259783	274.00	275.50	1.50	<0	-	<0.01	-	-
				1259784	275.50	277.00	1.50	<0	-	<0.01	-	-

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Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)
	159.00 - 160.00	Na 3		1259785	277.00	278.50	1.50	<0	-	<0.01	-	-
	160.00 - 161.00	Na 3		1259786	278.50	280.00	1.50	<0	-	<0.01	-	-
	160.00 - 161.00	Hem 2		1259787	280.00	281.50	1.50	0	-	0.01	-	-
	161.00 - 162.00	Na 3		1259788	281.50	283.00	1.50	<0	-	<0.01	-	-
	161.00 - 162.00	Hem 2		1259789	283.00	284.50	1.50	<0	-	<0.01	-	-
	162.00 - 163.00	Na 3		1259790	284.50	286.00	1.50	<0	-	<0.01	<0.01	-
	162.00 - 163.00	Na 3		1259791	286.00	287.50	1.50	<0	-	<0.01	-	-
	163.00 - 164.00	Na 3		1259792	287.50	289.00	1.50	<0	-	<0.01	-	-
	164.00 - 165.00	Na 3		1259794	289.00	290.50	1.50	0	-	0.01	-	-
	165.00 - 166.00	Na 3		1259795	290.50	292.00	1.50	<0	-	<0.01	-	-
	166.00 - 167.00	Na 3		1259796	292.00	293.50	1.50	<0	-	<0.01	-	-
	167.00 - 168.00	Hem 2		1259797	293.50	295.00	1.50	0	-	0.01	-	-
	167.00 - 168.00	Na 3		1259798	295.00	296.50	1.50	<0	-	<0.01	-	-
	168.00 - 169.00	Na 3		1259799	296.50	297.50	1.00	<0	-	<0.01	-	-
	168.00 - 169.00	Hem 2		1259800	297.50	298.20	0.70	<0	-	<0.01	<0.01	-
	169.00 - 170.00	Na 3										
	169.00 - 170.00	Hem 2										
	170.00 - 171.00	Na 3										
	170.00 - 171.00	Hem 2										
	171.00 - 172.00	Na 3										
	171.00 - 172.00	Hem 2										
	172.00 - 173.00	Na 3										
	172.00 - 173.00	Hem 2										
	173.00 - 174.00	Hem 2										
	173.00 - 174.00	Na 3										
	174.00 - 175.00	Hem 2										

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Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	174.00 - 175.00	Na	3									
	175.00 - 176.00	Hem	2									
	175.00 - 176.00	Na	3									
	176.00 - 177.00	Na	3									
	176.00 - 177.00	Hem	2									
	177.00 - 178.00	Hem	2									
	177.00 - 178.00	Na	2									
	178.00 - 179.00	Hem	2									
	178.00 - 179.00	Na	2									
	179.00 - 180.00	Hem	2									
	179.00 - 180.00	Na	2									
	180.00 - 181.00	Hem	2									
	180.00 - 181.00	Na	2									
	181.00 - 182.00	Hem	2									
	181.00 - 182.00	Na	2									
	182.00 - 183.00	Hem	2									
	182.00 - 183.00	Na	2									
	183.00 - 184.00	Hem	2									
	183.00 - 184.00	Na	2									
	184.00 - 185.00	Na	2									
	184.00 - 185.00	Hem	2									
	185.00 - 186.00	Na	2									
	185.00 - 186.00	Hem	2									
	186.00 - 187.00	Na	2									
	186.00 - 187.00	Hem	2									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	187.00 - 188.00	Hem	2									
	187.00 - 188.00	Na	2									
	188.00 - 189.00	Na	2									
	188.00 - 189.00	Hem	2									
	189.00 - 190.00	Na	2									
	189.00 - 190.00	Hem	2									
	190.00 - 191.00	Hem	2									
	190.00 - 191.00	Na	2									
	191.00 - 192.00	Hem	2									
	191.00 - 192.00	Na	2									
	192.00 - 193.00	Na	2									
	193.00 - 194.00	Na	2									
	194.00 - 195.00	Na	2									
	194.00 - 195.00	K	4									
	195.00 - 196.00	Na	2									
	196.00 - 197.00	Na	2									
	197.00 - 198.00	Hem	1									
	197.00 - 198.00	Na	2									
	198.00 - 199.00	Na	2									
	199.00 - 200.00	Na	2									
	200.00 - 201.00	Na	2									
	201.00 - 202.00	Na	2									
	202.00 - 203.00	Na	2									
	203.00 - 204.00	Na	2									
	204.00 - 205.00	Na	2									



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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	205.00 - 206.00	Na	2									
	206.00 - 207.00	Na	2									
	207.00 - 208.00	Na	2									
	208.00 - 209.00	Na	2									
	209.00 - 210.00	Na	2									
	210.00 - 211.00	Na	2									
	211.00 - 212.00	Na	3									
	212.00 - 213.00	Na	3									
	213.00 - 214.00	Na	3									
	214.00 - 215.00	Na	3									
	215.00 - 216.00	Na	3									
	216.00 - 217.00	Hem	2									
	216.00 - 217.00	Na	3									
	217.00 - 218.00	Na	1									
	217.00 - 218.00	Hem	2									
	218.00 - 219.00	Na	2									
	218.00 - 219.00	Hem	1									
	219.00 - 220.00	Na	2									
	220.00 - 221.00	Na	2									
	221.00 - 222.00	Na	2									
	222.00 - 223.00	Na	2									
	223.00 - 224.00	Hem	1									
	223.00 - 224.00	Na	2									
	224.00 - 225.00	Hem	1									
	224.00 - 225.00	Na	2									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	225.00 - 226.00	Hem	1									
	225.00 - 226.00	Na	2									
	226.00 - 227.00	Na	2									
	227.00 - 228.00	Na	2									
	228.00 - 229.00	Na	2									
	229.00 - 230.00	Na	2									
	230.00 - 231.00	Na	2									
	231.00 - 232.00	Na	2									
	232.00 - 233.00	Na	2									
	233.00 - 234.00	Na	2									
	233.00 - 234.00	Hem	1									
	234.00 - 235.00	Na	2									
	235.00 - 236.00	Na	2									
	236.00 - 237.00	Na	2									
	237.00 - 238.50	Na	2									
	238.50 - 240.00	Na	2									
	240.00 - 241.50	Na	2									
	241.50 - 243.00	Hem	1									
	241.50 - 243.00	Na	2									
	243.00 - 244.50	Na	2									
	244.50 - 246.00	Na	2									
	246.00 - 247.50	Na	2									
	247.50 - 249.00	Hem	1									
	247.50 - 249.00	Na	2									
	249.00 - 250.50	Hem	1									

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Project: **COTE GOLD**

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	249.00 - 250.50	Na	2									
	250.50 - 252.00	Hem	1									
	250.50 - 252.00	Na	2									
	252.00 - 253.50	Na	2									
	252.00 - 253.50	Hem	1									
	253.50 - 255.00	Hem	1									
	253.50 - 255.00	Na	2									
	255.00 - 256.50	Na	2									
	255.00 - 256.50	Hem	1									
	256.50 - 258.00	Hem	1									
	256.50 - 258.00	Na	2									
	258.00 - 259.50	Na	2									
	258.00 - 259.50	Hem	1									
	259.50 - 261.00	Na	2									
	259.50 - 261.00	Hem	1									
	261.00 - 262.00	Na	2									
	262.00 - 263.50	Na	2									
	263.50 - 265.00	Na	2									
	265.00 - 266.50	Na	2									
	266.50 - 268.00	Na	2									
	268.00 - 269.50	Na	2									
	268.00 - 269.50	Hem	2									
	269.50 - 271.00	Na	2									
	271.00 - 272.50	Na	2									
	272.50 - 274.00	Na	2									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	272.50 - 274.00	Hem	3									
	274.00 - 275.50	Hem	3									
	274.00 - 275.50	Na	2									
	275.50 - 277.00	Na	2									
	277.00 - 278.50	Na	2									
	278.50 - 280.00	Na	2									
	278.50 - 280.00	Hem	3									
	280.00 - 281.50	Na	2									
	281.50 - 283.00	Na	2									
	283.00 - 284.50	Na	2									
	284.50 - 286.00	Na	2									
	284.50 - 286.00	Hem	3									
	286.00 - 287.50	Na	2									
	287.50 - 289.00	Na	2									
	287.50 - 289.00	Hem	3									
	289.00 - 290.50	Na	2									
	289.00 - 290.50	Hem	3									
	290.50 - 292.00	Na	2									
	290.50 - 292.00	Hem	3									
	292.00 - 293.50	Na	2									
	293.50 - 295.00	Na	2									
	295.00 - 296.50	Na	2									
	296.50 - 297.50	Na	2									
	297.50 - 298.20	Na	2									
	<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	2.00 - 3.00	PY	0.1									
	3.00 - 4.00	TS	0									
	3.00 - 4.00	PY	0.1									
	4.00 - 5.00	PY	0.1									
	4.00 - 5.00	TS	0									
	5.00 - 6.00	PY	0.1									
	5.00 - 6.00	TS	0									
	6.00 - 7.00	PY	0.1									
	6.00 - 7.00	TS	0									
	7.00 - 8.00	PY	0.1									
	7.00 - 8.00	TS	0									
	8.00 - 9.00	PY	0.1									
	8.00 - 9.00	TS	0									
	9.00 - 10.00	PY	0.1									
	9.00 - 10.00	TS	0									
	10.00 - 11.00	PY	0.1									
	10.00 - 11.00	TS	0									
	11.00 - 12.00	PY	0.1									
	11.00 - 12.00	TS	0									
	12.00 - 13.00	PY	0.1									
	12.00 - 13.00	TS	0									
	13.00 - 14.00	PY	0.1									
	13.00 - 14.00	TS	0									
	14.00 - 15.00	PY	0.1									
	14.00 - 15.00	TS	0									
	15.00 - 16.00	PY	0.1									
	15.00 - 16.00	TS	0									
	16.00 - 17.00	TS	0									
	16.00 - 17.00	PY	0.1									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	17.00 - 18.00	TS	0									
	17.00 - 18.00	PY	0.1									
	18.00 - 19.00	PY	0.1									
	18.00 - 19.00	TS	0									
	19.00 - 20.00	PY	0.1									
	19.00 - 20.00	TS	0									
	20.00 - 21.00	PY	0.1									
	20.00 - 21.00	TS	0									
	21.00 - 22.00	PY	0.1									
	21.00 - 22.00	TS	0									
	22.00 - 23.00	PY	0.1									
	22.00 - 23.00	TS	0									
	23.00 - 24.00	PY	0.1									
	23.00 - 24.00	TS	0									
	24.00 - 25.00	TS	0									
	24.00 - 25.00	PY	0.1									
	25.00 - 26.00	TS	0									
	25.00 - 26.00	PY	0.1									
	26.00 - 27.00	PY	0.1									
	26.00 - 27.00	TS	0									
	27.00 - 28.00	PY	0.1									
	27.00 - 28.00	TS	0									
	28.00 - 29.00	PY	0.1									
	28.00 - 29.00	TS	0									
	29.00 - 30.00	PY	0.1									
	29.00 - 30.00	TS	0									
	30.00 - 31.00	PY	0.1									
	30.00 - 31.00	TS	0									
	31.00 - 32.00	PY	0.1									
	31.00 - 32.00	TS	0									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	32.00 - 33.00	TS	0									
	32.00 - 33.00	PY	0.1									
	33.00 - 34.00	PY	0.1									
	33.00 - 34.00	TS	0									
	34.00 - 35.00	PY	0.1									
	34.00 - 35.00	TS	0									
	35.00 - 36.00	PY	0.1									
	35.00 - 36.00	TS	0									
	36.00 - 37.00	TS	0									
	36.00 - 37.00	PY	0.1									
	37.00 - 38.00	PY	0.1									
	37.00 - 38.00	TS	0									
	38.00 - 39.00	PY	0.1									
	38.00 - 39.00	TS	0									
	39.00 - 40.00	PY	0.1									
	39.00 - 40.00	TS	0									
	40.00 - 41.00	PY	0.1									
	40.00 - 41.00	TS	0									
	41.00 - 42.00	TS	0									
	41.00 - 42.00	PY	0.1									
	42.00 - 43.00	PY	0.1									
	42.00 - 43.00	TS	0									
	43.00 - 44.00	PY	0.1									
	43.00 - 44.00	TS	0									
	44.00 - 45.00	PY	0.1									
	44.00 - 45.00	TS	0									
	45.00 - 46.00	PY	0.1									
	45.00 - 46.00	TS	0									
	46.00 - 47.00	PY	0.1									
	46.00 - 47.00	TS	0									

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Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	47.00 - 48.00	PY	0.1									
	47.00 - 48.00	TS	0									
	48.00 - 49.00	PY	0.1									
	48.00 - 49.00	TS	0									
	49.00 - 50.00	TS	0									
	49.00 - 50.00	PY	0.1									
	50.00 - 51.00	TS	0									
	50.00 - 51.00	PY	0.1									
	51.00 - 52.00	TS	0									
	51.00 - 52.00	PY	0.1									
	52.00 - 53.00	TS	0									
	52.00 - 53.00	PY	0.1									
	53.00 - 54.00	TS	0									
	53.00 - 54.00	PY	0.1									
	54.00 - 55.00	PY	0.1									
	54.00 - 55.00	TS	0									
	55.00 - 56.00	PY	0.1									
	55.00 - 56.00	TS	0									
	56.00 - 57.00	PY	0.1									
	56.00 - 57.00	TS	0									
	57.00 - 58.00	PY	0.1									
	57.00 - 58.00	TS	0									
	58.00 - 59.00	MO	0.5									
	58.00 - 59.00	PY	0.1									
	58.00 - 59.00	TS	0									
	59.00 - 60.00	PY	0.1									
	59.00 - 60.00	MO	0.5									
	59.00 - 60.00	TS	0									
	60.00 - 61.00	TS	0									
	60.00 - 61.00	PY	0.1									



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Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	61.00 - 62.00	TS	0									
	61.00 - 62.00	PY	0.1									
	62.00 - 63.00	TS	0									
	62.00 - 63.00	PY	0.1									
	63.00 - 64.00	TS	0									
	63.00 - 64.00	PY	0.1									
	64.00 - 65.00	TS	0									
	64.00 - 65.00	PY	0.1									
	65.00 - 66.00	TS	0									
	65.00 - 66.00	PY	0.1									
	66.00 - 67.00	TS	0									
	66.00 - 67.00	PY	0.1									
	67.00 - 68.00	TS	0									
	67.00 - 68.00	PY	0.1									
	68.00 - 69.00	PY	0.1									
	68.00 - 69.00	TS	0									
	69.00 - 70.00	TS	0									
	69.00 - 70.00	PY	0.1									
	70.00 - 71.00	TS	0									
	70.00 - 71.00	PY	0.1									
	71.00 - 72.00	TS	0									
	71.00 - 72.00	PY	0.1									
	72.00 - 73.00	TS	0									
	72.00 - 73.00	PY	0.1									
	73.00 - 74.00	TS	0									
	73.00 - 74.00	PY	0.1									
	74.00 - 75.00	TS	0									
	74.00 - 75.00	PY	0.1									
	75.00 - 76.00	TS	0									
	75.00 - 76.00	PY	0.1									

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Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	76.00 - 77.00	TS	0									
	76.00 - 77.00	PY	0.1									
	77.00 - 78.00	TS	0									
	77.00 - 78.00	PY	0.1									
	78.00 - 79.00	TS	0									
	78.00 - 79.00	PY	0.1									
	79.00 - 80.00	TS	0									
	79.00 - 80.00	PY	0.1									
	80.00 - 81.00	TS	0									
	80.00 - 81.00	PY	0.1									
	81.00 - 82.00	TS	0									
	81.00 - 82.00	PY	0.1									
	82.00 - 83.00	TS	0									
	82.00 - 83.00	PY	0.1									
	83.00 - 84.00	TS	0									
	83.00 - 84.00	PY	0.1									
	84.00 - 85.00	TS	0									
	84.00 - 85.00	PY	0.1									
	85.00 - 86.00	TS	0									
	85.00 - 86.00	PY	0.1									
	86.00 - 87.00	TS	0									
	86.00 - 87.00	PY	0.1									
	87.00 - 88.00	TS	0									
	87.00 - 88.00	PY	0.1									
	88.00 - 89.00	PY	0.1									
	88.00 - 89.00	TS	0									
	89.00 - 90.00	TS	0									
	89.00 - 90.00	PY	0.1									
	90.00 - 91.00	PY	0.1									
	90.00 - 91.00	TS	0									

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Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	91.00 - 92.00	TS	0									
	91.00 - 92.00	PY	0.1									
	92.00 - 93.00	TS	0									
	92.00 - 93.00	PY	0.1									
	93.00 - 94.00	TS	0									
	93.00 - 94.00	PY	0.1									
	94.00 - 95.00	PY	0.1									
	94.00 - 95.00	TS	0									
	95.00 - 96.00	TS	0									
	95.00 - 96.00	PY	0.1									
	96.00 - 97.00	PY	0.1									
	96.00 - 97.00	TS	0									
	97.00 - 98.00	PY	0.1									
	97.00 - 98.00	TS	0									
	98.00 - 99.00	PY	0.1									
	98.00 - 99.00	TS	0									
	99.00 - 100.00	TS	0									
	99.00 - 100.00	PY	0.1									
	100.00 - 101.00	TS	0									
	100.00 - 101.00	PY	0.1									
	101.00 - 102.00	TS	0									
	101.00 - 102.00	PY	0.1									
	102.00 - 103.00	TS	0									
	102.00 - 103.00	PY	0.1									
	103.00 - 104.00	PY	0.1									
	103.00 - 104.00	TS	0									
	104.00 - 105.00	TS	0									
	104.00 - 105.00	PY	0.1									
	105.00 - 106.00	PY	0.1									
	105.00 - 106.00	TS	0									

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Hole Number **CL12-00018**

Project: **COTE GOLD**

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	106.00 - 107.00	TS	0									
	106.00 - 107.00	PY	0.1									
	107.00 - 108.00	TS	0									
	107.00 - 108.00	PY	0.1									
	108.00 - 109.00	TS	0									
	108.00 - 109.00	PY	0.1									
	109.00 - 110.00	TS	0									
	109.00 - 110.00	PY	0.1									
	110.00 - 111.00	TS	0									
	110.00 - 111.00	PY	0.1									
	111.00 - 112.00	TS	0									
	111.00 - 112.00	PY	0.1									
	112.00 - 113.00	PY	0.1									
	112.00 - 113.00	TS	0									
	113.00 - 114.00	PY	0.1									
	113.00 - 114.00	TS	0									
	114.00 - 115.00	PY	0.1									
	114.00 - 115.00	TS	0									
	115.00 - 116.00	PY	0.1									
	115.00 - 116.00	TS	0									
	116.00 - 117.00	TS	0									
	116.00 - 117.00	PY	0.1									
	117.00 - 118.00	TS	0									
	117.00 - 118.00	PY	0.1									
	118.00 - 119.00	PY	0.1									
	118.00 - 119.00	TS	0									
	119.00 - 120.00	TS	0									
	119.00 - 120.00	PY	0.1									
	120.00 - 121.00	PY	0.1									
	120.00 - 121.00	TS	0									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	121.00 - 122.00	PY	0.1									
	121.00 - 122.00	TS	0									
	122.00 - 123.00	PY	0.1									
	122.00 - 123.00	TS	0									
	123.00 - 124.00	TS	0									
	123.00 - 124.00	PY	0.1									
	124.00 - 125.00	TS	0									
	124.00 - 125.00	PY	0.1									
	125.00 - 126.00	TS	0									
	125.00 - 126.00	PY	0.1									
	126.00 - 127.00	TS	0									
	126.00 - 127.00	PY	0.1									
	127.00 - 128.00	PY	0.1									
	127.00 - 128.00	TS	0									
	128.00 - 129.00	PY	0.1									
	128.00 - 129.00	TS	0									
	129.00 - 130.00	TS	0									
	129.00 - 130.00	PY	0.1									
	130.00 - 131.00	PY	0.1									
	130.00 - 131.00	TS	0									
	131.00 - 132.00	PY	0.1									
	131.00 - 132.00	TS	0									
	132.00 - 133.00	PY	0.1									
	132.00 - 133.00	TS	0									
	133.00 - 134.00	PY	0.1									
	133.00 - 134.00	TS	0									
	134.00 - 135.00	TS	0									
	134.00 - 135.00	PY	0.1									
	135.00 - 136.00	PY	0.1									
	135.00 - 136.00	TS	0									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	136.00 - 137.00	TS	0									
	136.00 - 137.00	PY	0.1									
	137.00 - 138.00	TS	0									
	137.00 - 138.00	PY	0.1									
	138.00 - 139.00	TS	0									
	138.00 - 139.00	PY	0.1									
	139.00 - 140.00	TS	0									
	139.00 - 140.00	PY	0.1									
	140.00 - 141.00	PY	0.1									
	140.00 - 141.00	TS	0									
	141.00 - 142.00	PY	0.1									
	141.00 - 142.00	TS	0									
	142.00 - 143.00	PY	0.1									
	142.00 - 143.00	TS	0									
	143.00 - 144.00	PY	0.1									
	143.00 - 144.00	TS	0									
	144.00 - 145.00	PY	0.1									
	144.00 - 145.00	TS	0									
	145.00 - 146.00	TS	0									
	145.00 - 146.00	PY	0.1									
	146.00 - 147.00	TS	0									
	146.00 - 147.00	PY	0.1									
	147.00 - 148.00	TS	0									
	147.00 - 148.00	PY	0.1									
	148.00 - 149.00	TS	0									
	148.00 - 149.00	PY	0.1									
	149.00 - 150.00	TS	0									
	149.00 - 150.00	PY	0.1									
	150.00 - 151.00	TS	0									
	150.00 - 151.00	PY	0.1									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	151.00 - 152.00	TS	0									
	151.00 - 152.00	PY	0.1									
	152.00 - 153.00	TS	0									
	152.00 - 153.00	PY	0.1									
	153.00 - 154.00	TS	0									
	153.00 - 154.00	PY	0.1									
	154.00 - 155.00	TS	0									
	154.00 - 155.00	PY	0.1									
	155.00 - 156.00	TS	0									
	155.00 - 156.00	PY	0.1									
	156.00 - 157.00	TS	0									
	156.00 - 157.00	PY	0.1									
	157.00 - 158.00	TS	0									
	157.00 - 158.00	PY	0.1									
	158.00 - 159.00	TS	0									
	158.00 - 159.00	PY	0.1									
	159.00 - 160.00	TS	0									
	159.00 - 160.00	PY	0.1									
	160.00 - 161.00	TS	0									
	160.00 - 161.00	PY	0.1									
	161.00 - 162.00	TS	0									
	161.00 - 162.00	PY	0.1									
	162.00 - 163.00	TS	0									
	162.00 - 163.00	PY	0.1									
	163.00 - 164.00	TS	0									
	163.00 - 164.00	PY	0.1									
	164.00 - 165.00	TS	0									
	164.00 - 165.00	PY	0.1									
	165.00 - 166.00	TS	0									
	165.00 - 166.00	PY	0.1									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	166.00 - 167.00	PY	0.1									
	166.00 - 167.00	TS	0									
	167.00 - 168.00	PY	0.1									
	167.00 - 168.00	TS	0									
	168.00 - 169.00	PY	0.1									
	168.00 - 169.00	TS	0									
	169.00 - 170.00	PY	0.1									
	169.00 - 170.00	TS	0									
	170.00 - 171.00	TS	0									
	170.00 - 171.00	PY	0.1									
	171.00 - 172.00	PY	0.1									
	171.00 - 172.00	TS	0									
	172.00 - 173.00	PY	0.1									
	172.00 - 173.00	TS	0									
	173.00 - 174.00	PY	0.1									
	173.00 - 174.00	TS	0									
	174.00 - 175.00	PY	0.1									
	174.00 - 175.00	TS	0									
	175.00 - 176.00	PY	0.1									
	175.00 - 176.00	TS	0									
	176.00 - 177.00	PY	0.1									
	176.00 - 177.00	TS	0									
	177.00 - 178.00	PY	0.1									
	177.00 - 178.00	TS	0									
	178.00 - 179.00	TS	0									
	178.00 - 179.00	PY	0.1									
	179.00 - 180.00	TS	0									
	179.00 - 180.00	PY	0.1									
	180.00 - 181.00	TS	0									
	180.00 - 181.00	PY	0.1									



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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	181.00 - 182.00	PY	0.1									
	181.00 - 182.00	TS	0									
	182.00 - 183.00	TS	0									
	182.00 - 183.00	PY	0.1									
	183.00 - 184.00	TS	0									
	183.00 - 184.00	PY	0.1									
	184.00 - 185.00	TS	0									
	184.00 - 185.00	PY	0.1									
	185.00 - 186.00	PY	0.1									
	185.00 - 186.00	TS	0									
	186.00 - 187.00	TS	0									
	186.00 - 187.00	PY	0.1									
	187.00 - 188.00	TS	0									
	187.00 - 188.00	PY	0.1									
	188.00 - 189.00	TS	0									
	188.00 - 189.00	PY	0.1									
	189.00 - 190.00	TS	0									
	189.00 - 190.00	PY	0.1									
	190.00 - 191.00	PY	0.1									
	190.00 - 191.00	TS	0									
	191.00 - 192.00	TS	0									
	191.00 - 192.00	PY	0.1									
	192.00 - 193.00	TS	0									
	192.00 - 193.00	PY	0.1									
	193.00 - 194.00	TS	0									
	193.00 - 194.00	PY	0.1									
	194.00 - 195.00	TS	0									
	194.00 - 195.00	PY	0.1									
	195.00 - 196.00	TS	0									
	195.00 - 196.00	PY	0.1									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	196.00 - 197.00	PY	0.1									
	196.00 - 197.00	TS	0									
	197.00 - 198.00	TS	0									
	197.00 - 198.00	PY	0.1									
	198.00 - 199.00	TS	0									
	198.00 - 199.00	PY	0.1									
	199.00 - 200.00	TS	0									
	199.00 - 200.00	PY	0.1									
	200.00 - 201.00	TS	0									
	200.00 - 201.00	PY	0.1									
	201.00 - 202.00	PY	0.1									
	201.00 - 202.00	TS	0									
	202.00 - 203.00	TS	0									
	202.00 - 203.00	PY	0.1									
	203.00 - 204.00	PY	0.1									
	203.00 - 204.00	TS	0									
	204.00 - 205.00	PY	0.1									
	204.00 - 205.00	TS	0									
	205.00 - 206.00	PY	0.1									
	205.00 - 206.00	TS	0									
	206.00 - 207.00	PY	0.1									
	206.00 - 207.00	TS	0									
	207.00 - 208.00	TS	0									
	207.00 - 208.00	PY	0.1									
	208.00 - 209.00	TS	0									
	208.00 - 209.00	PY	0.1									
	209.00 - 210.00	TS	0									
	209.00 - 210.00	PY	0.1									
	210.00 - 211.00	PY	0.1									
	210.00 - 211.00	TS	0									

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	211.00 - 212.00	TS	0									
	211.00 - 212.00	PY	0.1									
	212.00 - 213.00	TS	0									
	212.00 - 213.00	PY	0.1									
	213.00 - 214.00	TS	0									
	213.00 - 214.00	PY	0.1									
	214.00 - 215.00	TS	0									
	214.00 - 215.00	PY	0.1									
	215.00 - 216.00	PY	0.1									
	215.00 - 216.00	TS	0									
	216.00 - 217.00	PY	0.1									
	216.00 - 217.00	TS	0									
	217.00 - 218.00	PY	0.1									
	217.00 - 218.00	TS	0									
	218.00 - 219.00	PY	0.1									
	218.00 - 219.00	TS	0									
	219.00 - 220.00	TS	0									
	219.00 - 220.00	PY	0.1									
	220.00 - 221.00	TS	0									
	220.00 - 221.00	PY	0.1									
	221.00 - 222.00	PY	0.1									
	221.00 - 222.00	TS	0									
	222.00 - 223.00	PY	0.1									
	222.00 - 223.00	TS	0									
	223.00 - 224.00	PY	0.1									
	223.00 - 224.00	TS	0									
	224.00 - 225.00	TS	0									
	224.00 - 225.00	PY	0.1									
	225.00 - 226.00	TS	0									
	225.00 - 226.00	PY	0.1									

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	226.00 - 227.00	TS	0									
	226.00 - 227.00	PY	0.1									
	227.00 - 228.00	TS	0									
	227.00 - 228.00	PY	0.1									
	228.00 - 229.00	TS	0									
	228.00 - 229.00	PY	0.1									
	229.00 - 230.00	PY	0.1									
	229.00 - 230.00	TS	0									
	230.00 - 231.00	PY	0.1									
	230.00 - 231.00	TS	0									
	231.00 - 232.00	TS	0									
	231.00 - 232.00	PY	0.1									
	232.00 - 233.00	PY	0.1									
	232.00 - 233.00	TS	0									
	233.00 - 234.00	TS	0									
	233.00 - 234.00	PY	0.1									
	234.00 - 235.00	PY	0.1									
	234.00 - 235.00	TS	0									
	235.00 - 236.00	TS	0									
	235.00 - 236.00	PY	0.1									
	236.00 - 237.00	PY	0.1									
	236.00 - 237.00	TS	0									
	237.00 - 238.50	PY	0.1									
	237.00 - 238.50	TS	0									
	238.50 - 240.00	PY	0.1									
	238.50 - 240.00	TS	0									
	240.00 - 241.50	PY	0.1									
	240.00 - 241.50	TS	0									
	241.50 - 243.00	PY	0.1									
	241.50 - 243.00	TS	0									

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	243.00 - 244.50	TS	0									
	243.00 - 244.50	PY	0.1									
	244.50 - 246.00	PY	0.1									
	244.50 - 246.00	TS	0									
	246.00 - 247.50	TS	0									
	246.00 - 247.50	PY	0.1									
	247.50 - 249.00	TS	0									
	247.50 - 249.00	PY	0.1									
	249.00 - 250.50	TS	0									
	249.00 - 250.50	PY	0.1									
	250.50 - 252.00	TS	0									
	250.50 - 252.00	PY	0.1									
	252.00 - 253.50	TS	0									
	252.00 - 253.50	PY	0.1									
	253.50 - 255.00	PY	0.1									
	253.50 - 255.00	TS	0									
	255.00 - 256.50	TS	0									
	255.00 - 256.50	PY	0.1									
	256.50 - 258.00	TS	0									
	256.50 - 258.00	PY	0.1									
	258.00 - 259.50	PY	0.1									
	258.00 - 259.50	TS	0									
	259.50 - 261.00	TS	0									
	259.50 - 261.00	PY	0.1									
	261.00 - 262.00	TS	0									
	261.00 - 262.00	PY	0.1									
	262.00 - 263.50	TS	0									
	262.00 - 263.50	PY	0.1									
	263.50 - 265.00	TS	0									
	263.50 - 265.00	PY	0.1									

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	265.00 - 266.50	PY	0.1									
	265.00 - 266.50	TS	0									
	266.50 - 268.00	TS	0									
	266.50 - 268.00	PY	0.1									
	268.00 - 269.50	PY	0.1									
	268.00 - 269.50	TS	0									
	269.50 - 271.00	TS	0									
	269.50 - 271.00	PY	0.1									
	271.00 - 272.50	PY	0.1									
	271.00 - 272.50	TS	0									
	272.50 - 274.00	TS	0									
	272.50 - 274.00	PY	0.1									
	274.00 - 275.50	TS	0									
	274.00 - 275.50	PY	0.1									
	275.50 - 277.00	TS	0									
	275.50 - 277.00	PY	0.1									
	277.00 - 278.50	TS	0									
	277.00 - 278.50	PY	0.1									
	278.50 - 280.00	TS	0									
	278.50 - 280.00	PY	0.1									
	280.00 - 281.50	TS	0									
	280.00 - 281.50	PY	0.1									
	281.50 - 283.00	TS	0									
	281.50 - 283.00	PY	0.1									
	283.00 - 284.50	TS	0									
	283.00 - 284.50	PY	0.1									
	284.50 - 286.00	TS	0									
	284.50 - 286.00	PY	0.1									
	286.00 - 287.50	TS	0									
	286.00 - 287.50	PY	0.1									

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	287.50 - 289.00	TS	0									
	287.50 - 289.00	PY	0.1									
	289.00 - 290.50	TS	0									
	289.00 - 290.50	PY	0.1									
	290.50 - 292.00	TS	0									
	290.50 - 292.00	PY	0.1									
	292.00 - 293.50	TS	0									
	292.00 - 293.50	PY	0.1									
	293.50 - 295.00	TS	0									
	293.50 - 295.00	PY	0.1									
	295.00 - 296.50	TS	0									
	295.00 - 296.50	PY	0.1									
	296.50 - 297.50	TS	0									
	296.50 - 297.50	PY	0.1									
	297.50 - 298.20	TS	0									
	297.50 - 298.20	PY	0.1									

## QUALITY CONTROL REPORT

Hole Number **CL12-00018**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)	
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)		Au (ppm)
1259505	STANDARD		OREAS 152	AccurAssay	-	-	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259518	BLKDIA			AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259531	STANDARD		OREAS 15g	AccurAssay	-	-	0.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259544	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259557	STANDARD		OREAS 16a	AccurAssay	-	-	1.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259570	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259583	STANDARD		OREAS 66a	AccurAssay	-	-	1.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259596	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259609	STANDARD		OREAS 152	AccurAssay	-	-	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259622	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259635	STANDARD		OREAS 15g	AccurAssay	-	-	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259648	BLKDIA			AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259661	STANDARD		OREAS 16a	AccurAssay	-	-	1.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259674	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259688	STANDARD		OREAS 66a	AccurAssay	-	-	1.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259701	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259714	STANDARD		OREAS 152	AccurAssay	-	-	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259727	BLKDIA			AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259740	STANDARD		OREAS 15g	AccurAssay	-	-	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259753	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259766	STANDARD		OREAS 16a	AccurAssay	-	-	1.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259780	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259793	STANDARD		OREAS 66a	AccurAssay	-	-	1.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



## DRILL HOLE REPORT

Hole Number: **CL12-00019**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 329	<b>Length:</b> 0	<b>Dimension:</b> BQTH	<b>Claim No.:</b> S20661	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -46	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 297	<b>Capped:</b> No	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 14-Apr-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 18-Apr-12	<b>Left in hole:</b> no	<b>Logged by:</b> awytaihlowky	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 21-Apr-12	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>				
<b>Comment:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
			<b>East:</b> 430955.44	<b>East:</b> 430957
			<b>North:</b> 5266101.17	<b>North:</b> 5266094
			<b>Elev.:</b> 389.47	<b>Elev.:</b> 394
			<b>Coordinate - Local</b>	<b>East:</b> 9900
				<b>North:</b> 8700
				<b>Elev.:</b> 394

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	329.00	-46.00	0	0	0	0	C	<input type="checkbox"/>	
12.00	328.90	-45.70	0	0	0	56080	Flexit	<input checked="" type="checkbox"/>	
51.00	329.30	-45.60	0	0	0	55900	Flexit	<input checked="" type="checkbox"/>	
102.00	330.50	-45.50	0	0	0	55860	Flexit	<input checked="" type="checkbox"/>	
150.00	331.90	-45.50	0	0	0	55910	Flexit	<input checked="" type="checkbox"/>	
201.00	334.60	-46.00	0	0	0	56070	Flexit	<input checked="" type="checkbox"/>	
252.00	334.61	-45.00	0	0	0	55900	Flexit	<input checked="" type="checkbox"/>	
297.00	337.90	-45.80	0	0	0	55840	Flexit	<input checked="" type="checkbox"/>	

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00019**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
0.00	1.70	<b>OB Overburden</b>										
1.70	232.89	<b>IITNL Tonalite</b> <b>T</b>										
		<p>fine to med grained lt to med to muddy gry, pink and cream equigranular altered granodiorite, cnts plag qz amph bio w minor muscovite, zns of blusih qz thrt, minor cm sized rnded mafic clasts thrt, lt to strng hema and slfn pervassive zns to spotty and local to vng, lt to mod sericitic altn local to vng, minor py min vn cntrld, mm to 8cm qz carb w minor chl and mafics thrt, 10cm to 1.5m fgr drk grn mafic shears w minor py, mod chlc hema and carb altn in some, wispy to planar qz carb vng w sericitic altn thrt, some vns with hema altd plag, cts shrp to bxd, minor mm epidote, hema and carb vns thrt +/- minor altn halos, minor mafic +/- chl vns causing minor bx thrt, at 75.15m 25cm lense of mgr drk grn gabbro chlc altd w blusih qz, cts shrp chilled and at different angles tcx, 53-171m hema altn increased mod to strng to intense arnd hema vns few zns of mod epidote altn, qz vns upto 40cm +/- amph and few zns of mafic vns causing minor bx, 92m 4 Mo specks and 1cm streaks and on chlc fracture surface all within 15cm of mafic dyke ct, 171-232m vlt to mod hema epidote altn and slfn, 185-191m zn of mafic/chlc vng causing wk sparse bx, shrp lw ct</p>										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		17.75 - 18.25	Hem 2		1166001	17.75	18.25	0.50	0	-	0.13	-
		28.82 - 29.28	Hem 3		1166002	28.82	29.28	0.46	<0	-	<0.01	-
		91.10 - 92.10	Ep 3		1166003	91.10	92.10	1.00	<0	-	<0.01	-
		91.10 - 92.10	Hem 4		1166004	159.15	160.05	0.90	0	-	0.01	-
		159.15 - 160.05	Ep 2		1166005	211.46	212.46	1.00	<0	-	<0.01	-
		159.15 - 160.05	Hem 3									
		211.46 - 212.46	Hem 1									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		17.75 - 18.25	PY 0.1									

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00019**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	17.75 - 18.25	TS	0									
	28.82 - 29.28	PY	0.05									
	28.82 - 29.28	TS	0									
	91.10 - 92.10	PY	0.05									
	91.10 - 92.10	MO	0.1									
	91.10 - 92.10	TS	0									
	159.15 - 160.05	PY	0.1									
	159.15 - 160.05	CPY	0.1									
	159.15 - 160.05	TS	0									
	211.46 - 212.46	PY	0.1									
	211.46 - 212.46	CPY	0.1									
	211.46 - 212.46	MO	0									
	211.46 - 212.46	TS	0									
232.89	252.97	<b>IMDIA Diabase</b>										
		vfgr porphyritic drk gry to blk diabase dyke, epidote porphyritic grains thrt, few qz carb chlc vns thrt, curvilinear shrp chilled cts										
252.97	297.00	<b>IITNL Tonalite</b>										
		T										
		fgr to mgr lt to med gry equigranular granodiorite, cnts plag qz mafics bio/chlr, zns of bluish qz thrt, pervasive mod to strng albn and slfn thrt, pervasive vlt epdtzn thrt, zns of lt chlc and hema altn, hema to mod local to vns, zns of lt to mod sericitic altn thrt, qz carb chlr hema vns and vnlt thrt hosting sparse		1166006	256.86	257.86	1.00	0	-	0.03	-	-
				1166007	292.42	293.42	1.00	<0	-	<0.01	<0.01	-

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00019**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
		py cpy min,										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		256.86 - 257.86	Na 3									
		292.42 - 293.42	Na 3									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		256.86 - 257.86	PY 0.1									
		256.86 - 257.86	CPY 0.1									
		256.86 - 257.86	MO 0									
		256.86 - 257.86	TS 0									
		292.42 - 293.42	PY 0.2									
		292.42 - 293.42	CPY 0.2									
		292.42 - 293.42	TS 0									

# DRILL HOLE REPORT

Hole Number: **CL12-00020**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 329	<b>Length:</b> 0	<b>Dimension:</b> BQW	<b>Claim No.:</b> S20661	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -46	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 300	<b>Capped:</b> No	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 18-Apr-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 21-Apr-12	<b>Left in hole:</b> no	<b>Logged by:</b> Jillian Craig	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 22-May-13	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
<b>Comment:</b>			<b>East:</b> 431048.26	<b>East:</b> 431044
			<b>North:</b> 5265938.04	<b>North:</b> 5265938
			<b>Elev.:</b> 392.67	<b>Elev.:</b> 396
				<b>Coordinate - Local</b>
				<b>East:</b> 9900
				<b>North:</b> 8500
				<b>Elev.:</b> 396

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	329.00	-46.00	0	0	0	0	C	<input type="checkbox"/>	
18.00	329.20	-45.70	0	0	0	55920	Flexit	<input checked="" type="checkbox"/>	
51.00	330.60	-45.80	0	0	0	55790	Flexit	<input checked="" type="checkbox"/>	
102.00	331.20	-45.20	0	0	0	55920	Flexit	<input checked="" type="checkbox"/>	
150.00	331.90	-45.00	0	0	0	56290	Flexit	<input checked="" type="checkbox"/>	
200.00	332.70	-44.70	0	0	0	56800	Flexit	<input checked="" type="checkbox"/>	
252.00	333.10	-44.20	0	0	0	56880	Flexit	<input checked="" type="checkbox"/>	
300.00	334.70	-44.00	0	0	0	55690	Flexit	<input checked="" type="checkbox"/>	

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0.00	6.00	<b>OB Overburden</b>										
6.00	35.25	<b>IITNL Tonalite</b> <b>T</b>	GY	204982	6.00	7.00	1.00	<0	-	<0.01	-	-
		<p>Altered Tonalite. Non-magnetic. Grey to pink-grey in colour. Medium grained texture. Weakly sodic altered with patchy very weak hematite alteration. Weak to weak-moderate interstitial chlorite and biotite. Patchy intermittent sericite alteration in &lt;10cm to over 1m long sections with fg py in chl fractures as well as disseminated (~0.3-0.5% py). 1-5% dark grey subrounded mafic enclaves throughout. Occasional thin chlorite veinlets at moderate angles to core axis. ~4% white quartz veins between 19 to 24m otherwise ~1% veining throughout at moderate angles to core axis. Hematite altered qtz-carb veins between 34 to 35m. Lower contact is sharp near 45-50 degrees to core axis.</p> <p><b>Alteration Maj: Type/Style/Intensity Comment</b></p> <p>6.00 - 18.00 AB AFG 2 Albitization, Alteration of feldspar grains, Weak</p> <p>6.00 - 18.00 BIO IS 2 Biotitization, Interstitial, Weak</p> <p>6.00 - 18.00 CL IS 2 Chloritization, Interstitial, Weak</p> <p>6.00 - 18.00 SR SPT 3 Sericitization, Spotty/Patchy, Moderate</p> <p>18.00 - 29.00 CL IS 2 Chloritization, Interstitial, Weak</p> <p>18.00 - 29.00 BIO IS 3 Biotitization, Interstitial, Moderate</p> <p>18.00 - 29.00 AB AFG 2 Albitization, Alteration of feldspar grains, Weak</p> <p>29.00 - 33.30 BIO IS 2 Biotitization, Interstitial, Weak</p> <p>29.00 - 33.30 CL IS 3 Chloritization, Interstitial, Moderate</p> <p>29.00 - 33.30 SR PV 3 Sericitization, Pervasive, Moderate</p> <p>33.30 - 35.25 HM MTV 2 Hematization, Marginal to veins, Weak</p>	204983	7.00	8.00	1.00	<0	-	<0.01	-	-	
			204984	8.00	9.00	1.00	0	-	0.10	-	-	
			204985	9.00	10.10	1.10	0	-	0.14	-	-	
			204986	14.00	15.00	1.00	<0	-	<0.01	-	-	
			204987	15.00	16.00	1.00	0	-	0.01	-	-	
			204989	16.00	17.00	1.00	0	-	0.01	-	-	
			204990	17.00	18.00	1.00	0	-	0.02	-	-	
			204991	18.00	19.00	1.00	0	-	0.24	0.21	-	
			204992	19.00	20.00	1.00	0	-	0.02	-	-	
			204993	20.00	21.00	1.00	0	-	0.01	-	-	
			204994	21.00	22.00	1.00	0	-	0.01	-	-	
			204995	22.00	23.00	1.00	0	-	0.02	-	-	
			204996	23.00	24.00	1.00	0	-	0.02	-	-	
		204997	29.00	30.00	1.00	0	-	0.02	-	-		
		204998	30.00	31.00	1.00	0	-	0.02	-	-		
		204999	31.00	32.00	1.00	0	-	0.01	-	-		
		205000	32.00	33.00	1.00	0	-	0.03	-	-		

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	33.30 - 35.25	BIO IS 2	Biotitization, Interstitial, Weak									
	33.30 - 35.25	CL IS 2	Chloritization, Interstitial, Weak									
	33.30 - 35.25	AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	8.00 - 10.10	Py FAC 0.5	Pyrite, Fracture-controlled, 0.5%									
	8.00 - 10.10	Py DIS 0.8	Pyrite, Disseminated, 0.8%									
	11.00 - 18.00	Py VN 0.1	Pyrite, Vein-controlled, 0.1%									
	11.00 - 18.00	Py FAC 0.2	Pyrite, Fracture-controlled, 0.2%									
	11.00 - 18.00	Py DIS 0.1	Pyrite, Disseminated, 0.1%									
	22.00 - 23.00	Py VN 0.2	Pyrite, Vein-controlled, 0.2%									
	29.00 - 33.00	Py DIS 0.2	Pyrite, Disseminated, 0.2%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	6.00 - 10.10	W FAC 45	Fractured, 45° CA									
	10.10 - 11.00	SHRD 45	Sheared, 45° CA									
	11.00 - 35.25	W FAC 45	Fractured, 45° CA									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
	6.00 - 35.25	MG	Medium Grained(1-5mm)									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA%/min/min</b>	<b>Comment</b>								
	19.00 - 24.00	TNV 4 45 100	QV Quartz Vein, 100%, 45° CA									
	24.00 - 35.25	FACV 1 40 50	CV Calcite Vein, 50%									
	24.00 - 35.25	FACV 1 40 50	QCV Quartz-Calcite Vein, 50%, 40° CA									
<b>Minor Interval:</b>	10.10 - 10.97	IM	Mafic Intrusive									
			Dark Grey-Black Mafic Shear Zone. Fine grained texture. Carbonate and chlorite altered. Foliated near 45 deg tca with carb along foliation. Sharp contacts ~45 deg tca. Fine grained disseminated py.									
		<b>Alteration Min:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
	10.10 - 10.97	CL PV 4	Chloritization, Pervasive, Strong									
	10.10 - 10.97	CB PV 3	Carbonatization, Pervasive, Moderat									

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		<b>Mineralization Min:</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	10.10 - 10.97	Py DIS 0.2		Pyrite, Disseminated, 0.2%								
		<b>Structure Min.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	10.10 - 10.97	S SHRZN 45		Shear Zone, 45° CA								
		<b>Texture Min:</b>	<b>Type</b>	<b>Comment</b>								
	10.10 - 10.97	FG		Fine Grained (<1mm)								
		<b>Vein Min. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	10.10 - 10.97	SHRV 10 45 45 CV		Calcite Vein, 45%, 45° CA								
35.25	43.50	<b>IM Mafic Dyke</b>										
		Dark Grey Mafic Dyke. Fine grained texture. Non-magnetic. Chlorite altered. Calcite/carbonate veins/veinlets at low angles to core axis throughout. Trace fine grained disseminated pyrite. Sharp contacts ~45 degrees to core axis.										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
	35.25 - 43.50	CL PV 2		Chloritization, Pervasive, Weak								
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	35.25 - 43.50	Py DIS 0.1		Pyrite, Disseminated, 0.1%								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	35.25 - 43.50	CTL 45		Lithological Contact, 45° CA								
	35.25 - 43.50	DYK 45		Dyke, 45° CA								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
	35.25 - 43.50	FG		Fine Grained (<1mm)								
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	35.25 - 43.50	FACV 5 40 100 CV		Calcite Vein, 100%, 40° CA								



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43.50	300.00	<b>IITNL Tonalite</b> <b>T</b>		205001	54.00	55.00	1.00	0	-	0.01	0.01	-	
		<p>Grey to Pink coloured Altered Tonalite. Non-magnetic. Medium grained texture. ~2% subrounded mafic enclaves between 47 to 50m. Weak albite alteration. Patchy to pervasive weak hematite alteration with a few intervals of moderate to strong pervasive hematite alteration. In places weak hematite alteration is present as alteration halos local to chloritic fractures. Patchy sericite alteration marginal to veins and fractures with a few intermittent short altered areas hosting heightened fg disseminated, fracture-fill as well as vein-hosted py such as from 101 to 102m, 115.60 to 121.20m, 125 to 131.50m. From 125 to 127.20m there is ~3% fg py in qtz-carb veins as well as ~0.5% py in fractures. &lt;1% veining at moderate angles to core axis with sporadic areas with more abundant veining such as a sericitized zone between 125 to 127.20m. Chloritic fractures at 40-45 deg tca. At 55.92 to 56m there is a quartz-sulphide vein at ~45 deg tca ~5cm wide with ~4% semi-massive fg pyrite. A couple mafic shear zones as well as mafic dykes and a lamprophyre dyke are intersected throughout. Mineralization is typically most abundant in sericitized zones which are intermittent throughout the unit and host up to 3.5% fg py. Otherwise mineralization is weak and mainly fracture controlled with ~0.1-0.2% pyrite.</p> <p>A mafic dyke is intersected from 159.40 to 161.10m with weakly foliated sericite altered and pyrite mineralized tonalite local to the upper and lower contacts of the dyke with up to 1% pyrite. The tonalite is moderately hematite altered and hosts hematite filled fractures/veinlets along with a couple rare epidote veinlets/fractures.</p> <p>Sericite altered zone is intersected from ~168 to 172m with ~1.2% py between 169 to 170m along foliations as well as disseminated in nature.</p> <p>A crackle brecciated zone (clast supported) is intersected from ~199.45 to 200m with small fragments of hematite altered tonalite with minor chlorite-carbonate rich matrix, hosts no visible sulphides. Another crackle brecciated zone is intersected from ~215 to 228m with abundant chloritic, carbonate and hematite fractures with hematite and silicified altered halos. From 228 to 240m the tonalite is moderately fractured with chlorite and hematite filling fractures. Between 240 to 241.55m there is another crackle-brecciated zone with abundant chlorite and hematite veinlets fracturing the hematite altered tonalite. Between 220 to 234m there are &lt;5% chlorite and hematite altered grey to pink-red coloured diorite fragments (tonalite II with mafic enclaves?). Below 243.60 to ~257.88m the tonalite is mainly red and moderately to strongly hematite altered with hematite and specular hematite veinlets filling fractures. Below 259m the tonalite is light pink in colour and weakly hematite altered with hematite and chloritic fractures and areas with moderately broken up/fractured core. End of hole is 300.0m.</p>	205003	55.00	56.00	1.00	0	-	0.43	-	-		
			205004	56.00	57.00	1.00	0	-	0.02	-	-		
			205005	71.50	73.00	1.50	0	-	0.01	-	-		
			205006	73.00	74.00	1.00	0	-	0.01	-	-		
			205007	74.00	75.00	1.00	0	-	0.01	-	-		
			205008	75.00	76.00	1.00	0	-	0.04	-	-		
			205009	76.00	77.00	1.00	0	-	0.02	-	-		
			205010	77.00	78.00	1.00	0	-	0.01	-	-		
			205011	95.00	96.00	1.00	0	-	0.02	0.04	-		
			205012	96.00	97.00	1.00	0	-	0.08	-	-		
			205014	97.00	98.00	1.00	0	-	0.14	-	-		
			205015	98.00	99.00	1.00	0	-	0.02	-	-		
			205016	99.00	100.00	1.00	0	-	0.02	-	-		
			205017	100.00	101.00	1.00	0	-	0.01	-	-		
			205018	101.00	102.00	1.00	1	-	0.71	-	-		
			205019	102.00	103.00	1.00	0	-	0.04	-	-		
			205020	103.00	104.00	1.00	0	-	0.01	-	-		
			205021	115.60	116.70	1.10	0	-	0.05	0.05	-		
			205023	116.70	117.25	0.55	0	-	0.01	-	-		
			205024	117.25	118.00	0.75	0	-	0.11	-	-		
			205025	118.00	119.00	1.00	0	-	0.02	-	-		
			205026	119.00	120.00	1.00	0	-	0.06	-	-		
			205027	120.00	121.00	1.00	0	-	0.30	-	-		
			205028	121.00	122.00	1.00	0	-	0.05	-	-		
			205030	122.00	123.00	1.00	0	-	0.01	-	-		
			205031	123.00	124.00	1.00	0	-	0.03	0.03	-		
			<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
			43.50 - 44.60	HM AFG 2	Hematization, Alteration of feldspar grains, Weak								
			43.50 - 44.60	CL IS 2	Chloritization, Interstitial, Weak								
			43.50 - 44.60	EP MTV 1	Epidotization, Marginal to veins, Very weak								
			43.50 - 44.60	AB AFG 2	Albitization, Alteration of feldspar grains, Weak								

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44.95 - 59.00		SR MTV 2	Sericitization, Marginal to veins, Weak	205032	124.00	125.00	1.00	0	-	0.02	-	-
44.95 - 59.00		BIO IS 2	Biotitization, Interstitial, Weak	205033	125.00	126.00	1.00	0	-	0.04	-	-
44.95 - 59.00		CL IS 2	Chloritization, Interstitial, Weak	205034	126.00	127.20	1.20	0	-	0.06	-	-
44.95 - 59.00		HM FP 1	Hematization, Along Foliation Planes, Very weak	205035	127.20	128.10	0.90	0	-	0.01	-	-
59.00 - 64.00		BIO IS 2	Biotitization, Interstitial, Weak	205036	128.10	128.95	0.85	0	-	0.02	-	-
59.00 - 64.00		CL IS 1	Chloritization, Interstitial, Very weak	205037	128.95	130.00	1.05	0	-	0.01	-	-
59.00 - 64.00		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205039	130.00	131.50	1.50	0	-	0.10	-	-
64.00 - 72.00		CL IS 2	Chloritization, Interstitial, Weak	205040	157.40	158.40	1.00	0	-	0.01	-	-
64.00 - 72.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205041	158.40	159.40	1.00	0	-	0.11	0.02	-
64.00 - 72.00		BIO IS 2	Biotitization, Interstitial, Weak	205042	159.40	160.20	0.80	0	-	0.02	-	-
64.00 - 72.00		BIO IS 2	Biotitization, Interstitial, Weak	205043	160.20	161.10	0.90	0	-	0.13	-	-
64.00 - 72.00		HM AFG 2	Hematization, Alteration of feldspar grains, Weak	205044	161.10	162.00	0.90	0	-	0.02	-	-
72.00 - 78.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205045	162.00	163.00	1.00	0	-	0.01	-	-
72.00 - 78.00		CL IS 1	Chloritization, Interstitial, Very weak	205046	163.00	164.00	1.00	0	-	0.01	-	-
72.00 - 78.00		BIO IS 2	Biotitization, Interstitial, Weak	205047	164.00	165.00	1.00	0	-	0.01	-	-
72.00 - 78.00		SR FRC 2	Sericitization, Along Fractures, Weak	205048	165.00	166.00	1.00	0	-	0.22	-	-
78.00 - 98.00		BIO IS 3	Biotitization, Interstitial, Moderate	205050	166.00	167.00	1.00	<0	-	<0.01	-	-
78.00 - 98.00		BIO IS 3	Biotitization, Interstitial, Moderate	205052	167.00	168.00	1.00	<0	-	<0.01	-	-
78.00 - 98.00		CL IS 2	Chloritization, Interstitial, Weak	205053	168.00	169.00	1.00	<0	-	<0.01	-	-
78.00 - 98.00		SR FRC 2	Sericitization, Along Fractures, Weak	205054	169.00	170.00	1.00	0	-	0.03	-	-
78.00 - 98.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205055	170.00	171.00	1.00	0	-	0.02	-	-
98.00 - 103.50		SR SPT 3	Sericitization, Spotty/Patchy, Moderate	205056	171.00	172.00	1.00	0	-	0.01	-	-
98.00 - 103.50		BIO IS 4	Biotitization, Interstitial, Strong	205057	172.00	173.00	1.00	0	-	0.01	-	-
98.00 - 103.50		BIO IS 3	Biotitization, Interstitial, Moderate	205058	173.00	174.00	1.00	0	-	0.01	-	-
98.00 - 103.50		BIO IS 3	Biotitization, Interstitial, Moderate	205059	174.00	175.00	1.00	0	-	0.01	-	-
98.00 - 103.50		CL IS 2	Chloritization, Interstitial, Weak	205060	175.00	176.00	1.00	0	-	0.01	-	-
103.50 - 114.60		BIO IS 3	Biotitization, Interstitial, Moderate	205061	175.00	176.00	1.00	0	-	0.01	-	-
103.50 - 114.60		AB AFG 1	Albitization, Alteration of feldspar grains, Very weak	205061	176.00	177.00	1.00	0	-	0.02	0.01	-

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Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
103.50 - 114.60		HM SPT 2	Hematization, Spotty/Patchy, Weak	205062	198.00	199.40	1.40	0	-	0.01	-	-
103.50 - 114.60		CL IG 2	Chloritization, Intergranular, Weak	205064	199.40	200.10	0.70	0	-	0.01	-	-
115.60 - 121.20		SR PV 4	Sericitization, Pervasive, Strong	205065	200.10	201.00	0.90	0	-	0.01	-	-
115.60 - 121.20		CL IS 3	Chloritization, Interstitial, Moderate	205066	201.00	202.00	1.00	0	-	0.01	-	-
115.60 - 121.20		HM SPT 1	Hematization, Spotty/Patchy, Very weak	205067	202.00	203.00	1.00	0	-	0.01	-	-
121.20 - 125.00		HM AFG 2	Hematization, Alteration of feldspar grains, Weak	205068	220.00	221.00	1.00	0	-	0.02	-	-
121.20 - 125.00		CL IS 2	Chloritization, Interstitial, Weak	205069	221.00	222.00	1.00	<0	-	<0.01	-	-
121.20 - 125.00		BIO IS 2	Biotitization, Interstitial, Weak	205070	222.00	223.00	1.00	<0	-	<0.01	-	-
121.20 - 125.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205071	223.00	224.00	1.00	<0	-	<0.01	0.01	-
125.00 - 131.50		CL IS 2	Chloritization, Interstitial, Weak	205072	224.00	225.00	1.00	<0	-	<0.01	-	-
125.00 - 131.50		SR PV 4	Sericitization, Pervasive, Strong	205073	225.00	226.00	1.00	<0	-	<0.01	-	-
125.00 - 131.50		HM SPT 1	Hematization, Spotty/Patchy, Very weak	205074	226.00	227.00	1.00	<0	-	<0.01	-	-
				205075	227.00	228.00	1.00	<0	-	<0.01	-	-
				205077	228.00	229.00	1.00	<0	-	<0.01	-	-

## QUALITY CONTROL REPORT

Hole Number **CL12-00020**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	
204988	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205002	STANDARD		OREAS 204	AccurAssay	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205022	FDUP	205000		AccurAssay	-	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205013	BLKDIA			AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205029	STANDARD		OREAS 16b	AccurAssay	-	-	2.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205049	FDUP	205027		AccurAssay	-	-	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205038	BLKDIA			AccurAssay	-	-	3.85	-	-	-	-	-	-	4.34	-	-	-	-	-	-	-	-
205051	STANDARD		OREAS 501	AccurAssay	-	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205063	BLKDIA			AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205076	FDUP	205054		AccurAssay	-	-	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

# DRILL HOLE REPORT

Hole Number: **CL12-00021**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 328	<b>Length:</b> 0	<b>Dimension:</b> BQW	<b>Claim No.:</b> S20665	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -45	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 300	<b>Capped:</b> No	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 21-Apr-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 25-Apr-12	<b>Left in hole:</b> no	<b>Logged by:</b> Jillian Craig	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 26-May-13	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
<b>Comment:</b>			<b>East:</b> 431144.57	<b>East:</b> 431145
			<b>North:</b> 5265766.04	<b>North:</b> 5265764
			<b>Elev.:</b> 385.43	<b>Elev.:</b> 390
				<b>Coordinate - Local</b>
				<b>East:</b> 9900
				<b>North:</b> 8300
				<b>Elev.:</b> 390

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	328.00	-45.00	0	0	0	0	C	<input type="checkbox"/>	
21.00	327.70	-44.60	0	0	0	55910	Flexit	<input checked="" type="checkbox"/>	
51.00	329.60	-45.20	0	0	0	55780	Flexit	<input checked="" type="checkbox"/>	
102.00	334.00	-45.96	0	0	0	55670	Flexit	<input checked="" type="checkbox"/>	
150.00	335.80	-45.40	0	0	0	55810	Flexit	<input checked="" type="checkbox"/>	
201.00	340.10	-43.20	0	0	0	55920	Flexit	<input checked="" type="checkbox"/>	
252.00	343.60	-41.10	0	0	0	55810	Flexit	<input checked="" type="checkbox"/>	
300.00	346.20	-39.40	0	0	0	55860	Flexit	<input checked="" type="checkbox"/>	

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00021**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
0.00	11.20	<b>OB Overburden</b>										
11.20	142.20	<b>IITNL Tonalite</b> <b>T</b>	GY									
		Altered Tonalite. Light pink to grey in colour. Non-magnetic. Medium grained texture. Chloritic fractures at low to moderate angles to core axis with silicified and sericitized alteration halos. Hematite along fractures in places within hematite altered areas. Sericite is often seen along fractures as well as in intermittent areas. Intersitial chlorite and biotite is found in the igneous texture. A subrounded diorite fragment is found at 26m and then from ~36m to there are several subrounded mafic and diorite enclaves (Tonalite II) which account for ~3-5% of the unit within that interval. Below 22m the tonalite is light grey to white with weak to moderate albite alteration and weak patchy hematite alteration. Small mafic clots of biotite and amphibole are noted throughout with larger mafic/diorite enclaves below 36m; veins and fractures below 22m to often have silicified, albite altered and sometimes hematite altered halos. A few 1-2cm thick albitized tonalite injections at ~55-60 deg tca are found between 35 to 44m. This represents interesting age relations as we have a Tonalite II unit (with mafic enclaves) with cm scale injections of albitic tonalite.		205078	12.00	13.00	1.00	0	-	0.02	-	-
		A sericitized zone is intersected from 44 to 45.50m with ~0.3-0.4% py in fractures and disseminated.		205079	13.00	14.00	1.00	<0	-	<0.01	-	-
		From 45.50 to 53.70m the tonalite is albite and hematite altered, with patchy mainly fracture-controlled sericite alteration with moderate to strong interstitial biotite with small mafic clots and few <2% subrounded diorite fragments.		205080	14.00	15.00	1.00	<0	-	<0.01	-	-
		From 53.70 to 57m there is a beige albitized zone with minor vvk interstitial biotite		205081	15.00	16.00	1.00	<0	-	<0.01	-	-
		From 57m to 71m the tonalite is light pink albitized and weakly hematite altered with moderate to strong interstitial biotite and few mafic clots as well as sericite along fractures.		205082	16.00	17.00	1.00	<0	-	<0.01	-	-
		From 71m to 74.35m the tonalite is medium to dark grey, sericite and chlorite altered with interstitial biotite and ~2% dark grey mafic enclaves		205083	17.00	18.00	1.00	<0	-	<0.01	-	-
		From 74.35m to 78m the tonalite is light grey, albite altered with patchy intermittent sericite alteration over 20-30cm long sections.		205084	18.00	19.00	1.00	<0	-	<0.01	-	-
		From 78m to 106.50m the tonalite is light grey, albite altered, with patchy weak hematite alteration and with moderate to strong interstitial biotite and weak sericite altered halos along fractures. Mafic enclaves are found again from 98 to 101m (1-2%) and then from 110 to 112m.		205085	19.00	20.00	1.00	<0	-	<0.01	-	-
		Minor py and cpy are found in a qtz-carb vnl at 107.15m with ~0.25% py and 0.15% cpy. More sulphides are found from 111 to 112m in chloritic fractures, blebs and within mafic enclaves. A few qtz and qtz-carb		205086	20.00	21.00	1.00	<0	-	<0.01	-	-
				205087	21.00	22.00	1.00	<0	-	<0.01	<0.01	-
				205089	22.00	23.00	1.00	<0	-	<0.01	-	-
				205090	23.00	24.00	1.00	<0	-	<0.01	-	-
				205091	24.00	25.00	1.00	<0	-	<0.01	-	-
				205092	30.00	31.00	1.00	<0	-	<0.01	-	-
				205093	31.00	32.00	1.00	<0	-	<0.01	-	-
				205094	32.00	33.00	1.00	<0	-	<0.01	-	-
				205095	33.00	34.00	1.00	<0	-	<0.01	-	-
				205096	34.00	35.00	1.00	<0	-	<0.01	-	-
				205097	44.00	45.50	1.50	<0	-	<0.01	<0.01	-

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00021**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>	
		vns between 115 to 116m host ~0.3% fg py. Epidote is noted within veinlets and fractures between 117 to 119m. A 10cm long diorite fragment is found at ~124.50m.		205098	45.50	47.00	1.50	<0	-	<0.01	-	-	
		Below 119m the tonalite is light grye with intermittent medium grey sericite altered sections mainly local to veins and fractures. The tonalite is also ablite altered with moderate interstitial biotite and occassional mafic enclaves (<1% to sporadic).		205099	47.00	48.00	1.00	<0	-	<0.01	-	-	
		From 140 to 142.20m the tonalite is medium grey and hematite altered with heighted pyrite (~0.5%) and trace to 0.1% chalcopyrite in fractures and veins/veinlets.		205100	48.00	49.00	1.00	<0	-	<0.01	-	-	
		Sharp lower contact with a mafic dyke at ~45 deg tca.		205102	49.00	50.00	1.00	<0	-	<0.01	-	-	
				205103	50.00	51.00	1.00	<0	-	<0.01	-	-	
				205104	51.00	52.00	1.00	<0	-	<0.01	-	-	
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>	205105	52.00	53.00	1.00	<0	-	<0.01	-	-
11.20 - 19.00		AB AFG 2		Albitization, Alteration of feldspar grains, Weak	205106	53.00	54.00	1.00	<0	-	<0.01	-	-
11.20 - 19.00		HM AFG 2		Hematization, Alteration of feldspar grains, Weak	205107	54.00	55.00	1.00	<0	-	<0.01	<0.01	-
11.20 - 19.00		BIO IS 2		Biotitization, Interstitial, Weak	205108	55.00	56.00	1.00	<0	-	<0.01	-	-
11.20 - 19.00		SR FRC 2		Sericitization, Along Fractures, Weak	205110	56.00	57.00	1.00	<0	-	<0.01	-	-
19.00 - 22.30		BIO IG 2		Biotitization, Intergranular, Weak	205111	106.00	107.00	1.00	<0	-	<0.01	-	-
19.00 - 22.30		SR PV 3		Sericitization, Pervasive, Moderate	205112	107.00	108.00	1.00	<0	-	<0.01	-	-
19.00 - 22.30		CL IS 3		Chloritization, Interstitial, Moderate	205114	108.00	109.00	1.00	0	-	0.02	-	-
22.30 - 44.00		BIO IS 3		Biotitization, Interstitial, Moderate	205115	109.00	110.00	1.00	<0	-	<0.01	-	-
22.30 - 44.00		CL IS 2		Chloritization, Interstitial, Weak	205116	110.00	111.00	1.00	<0	-	<0.01	-	-
22.30 - 44.00		AB AFG 3		Albitization, Alteration of feldspar grains, Moderate	205117	111.00	112.00	1.00	<0	-	<0.01	<0.01	-
22.30 - 44.00		SR FRC 2		Sericitization, Along Fractures, Weak	205118	112.00	113.00	1.00	<0	-	<0.01	-	-
44.00 - 45.50		SR PV 2		Sericitization, Pervasive, Weak	205119	113.00	114.00	1.00	<0	-	<0.01	-	-
44.00 - 45.50		CL IS 3		Chloritization, Interstitial, Moderate	205120	114.00	115.00	1.00	<0	-	<0.01	-	-
44.00 - 45.50		BIO IS 3		Biotitization, Interstitial, Moderate	205121	115.00	116.00	1.00	0	-	0.01	-	-
45.50 - 53.70		AB AFG 2		Albitization, Alteration of feldspar grains, Weak	205122	116.00	117.00	1.00	<0	-	<0.01	-	-
45.50 - 53.70		HM AFG 1		Hematization, Alteration of feldspar grains, Very weak	205123	117.00	118.00	1.00	<0	-	<0.01	-	-
45.50 - 53.70		SR FRC 2		Sericitization, Along Fractures, Weak	205124	118.00	119.00	1.00	<0	-	<0.01	-	-
					205125	140.00	141.00	1.00	<0	-	<0.01	-	-
					205127	141.00	142.20	1.20	0	-	0.01	<0.01	-
142.20	146.90	<b>IM</b>	<b>Mafic Dyke</b>										
												GRBLK	

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00021**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
		Dark Grey Mafic Dyke. Non-magnetic. Fine grained texture. Foliated mainly local to the upper contact near 45 degrees to core axis with carbonate along foliation. Pervasively carbonate altered. Several carbonate veins and few qtz-carb veins near 40-45 deg tca. Minor fg dissem and fracture-controlled py. Sharp upper and lower contact at ~45 degrees to core axis.										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		142.20 - 146.90	CB PV 4	Carbonatization, Pervasive, Strong								
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		142.20 - 146.90	Py DIS 0.1	Pyrite, Disseminated, 0.1%								
		142.20 - 146.90	Py FAC 0.15	Pyrite, Fracture-controlled, 0.15%								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
		142.20 - 146.90	CTL 45	Lithological Contact, 45° CA								
		142.20 - 146.90	FOL 45	Foliated, 45° CA								
		142.20 - 146.90	DYK	Dyke								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
		142.20 - 146.90	FG	Fine Grained (<1mm)								
		<b>Vein Maj. :</b>	<b>Style%/vein/CoreA/%min/min</b>	<b>Comment</b>								
		142.20 - 146.90	FPV 8 45 25 QCV	Quartz-Calcite Vein, 25%								
		142.20 - 146.90	FPV 8 45 75 CBV	Carbonate Vein, 75%, 45° CA								
146.90	300.00	<b>IITNL Tonalite</b>			205128	178.50	179.50	1.00	<0	-	<0.01	-
		<b>T</b>			205129	179.50	180.50	1.00	0	-	0.06	-
		Altered Tonalite. Grey to grey-green to pink and pink-grey in colour. Non-magnetic. Medium grained texture. Albite altered with intersitial fg biotite (weak to moderate) and chlorite grains. Patchy intermittent weak pink hematite alteration. Very weak patchy epidote alteration. Minor sericite along fractures beginning near 163m with patchy intermittent sericitized sections thereafter. Chlorite and hematite are often along fractures. Mineralization is generally heightened within sericitized zones as well as within sericite altered halos marginal to veins and fractures with fg dissem py, fracture-controlled py and py in veins with generally ~1% pyrite in these zones with as much as 3% py and 0.2% cpy.			205130	180.50	181.50	1.00	<0	-	<0.01	-
		A couple foliated mafic dykes between 156.75 to 159.85m, as well as a mafic shear/small dyke at 297.70m over 20cm with rubbly core (with ~1% pyrite disseminated and in fractures in the tonalite marginal to the shear zone) and a sheared mafic dyke at 212.10 to 212.50m.			205131	181.50	183.00	1.50	<0	-	<0.01	-
		A few mafic enclaves are found from 176 to 181m.			205132	183.00	184.00	1.00	<0	-	<0.01	-
		A sericitized zone is intersected from 179.70 to 180.10m with ~2.5% dissem fg py and ~0.4% py and			205133	184.00	185.00	1.00	0	-	0.06	-
					205135	185.00	186.00	1.00	<0	-	<0.01	-
					205136	186.00	187.00	1.00	<0	-	<0.01	-
					205137	187.00	188.00	1.00	<0	-	<0.01	<0.01



**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00021**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
		0.2% cpy in qtz-carb vn		205139	188.00	189.00	1.00	<0	-	<0.01	-	-	
		Intermittent zones of weak sericite alteration are intersected from 184 to 192, mainly local to fractures.		205140	189.00	190.00	1.00	0	-	0.08	-	-	
		A 70cm long white quartz vein at 45 deg tca is intersected at 195.55m with nil sulphides.		205141	190.00	191.00	1.00	<0	-	<0.01	-	-	
		A short albitized tonalite injection is intersected from 230.55 to 230.75m at 40 deg tca.		205142	191.00	192.00	1.00	<0	-	<0.01	-	-	
		Occasional mafic and diorite enclaves are found throughout the tonalite, mainly within moderately biotite altered tonalite		205143	192.00	193.00	1.00	0	-	0.01	-	-	
		From ~245.40 to 249.70m there are several mineralized qtz-carb vns with sericitized alteration halos with ~1% py and 0.15% cpy and again from 254 to 256m.		205144	193.00	194.00	1.00	<0	-	<0.01	-	-	
		A 5cm long subrounded diorite fragment is found at 251.15m.		205145	194.00	195.50	1.50	<0	-	<0.01	-	-	
		A sericitized zone is intersected from 264 to 272.50m with a low angle qtz-carb vein hosting ~3% mgr py.		205146	195.50	196.50	1.00	<0	-	<0.01	-	-	
		Immediately following this sericite altered zone is a mafic shear zone from 272.50 to 274m which is sheared at ~40-45 deg tca and hosts a 35cm long brecciated qtz-carb vein at the lower contact. Following the shear zone from 274 to 287.80m the tonalite is medium grey with moderate to strong biotite and a few ~1-2cm thick qtz and qtz-carb vns at moderate to steep angles tca hosting minor fg py with tr cpy and sericite altered halos. A light pink weakly hematite altered zone is intersected from 294.30 to 300m. EOH is 300m.		205147	196.50	198.00	1.50	<0	-	<0.01	<0.01	-	
				205148	206.00	207.00	1.00	0	-	0.01	-	-	
				205149	207.00	208.00	1.00	0	-	0.20	-	-	
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>	205150	208.00	209.00	1.00	0	-	0.01	-	-
		146.90 - 151.00	AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205152	209.00	210.00	1.00	<0	-	<0.01	-	-
		146.90 - 151.00	CL IS 2	Chloritization, Interstitial, Weak	205153	210.00	211.00	1.00	<0	-	<0.01	-	-
		146.90 - 151.00	BIO IS 2	Biotitization, Interstitial, Weak	205154	221.00	222.00	1.00	<0	-	<0.01	-	-
		146.90 - 151.00	EP AFG 2	Epidotization, Alteration of feldspar grains, Weak	205155	222.00	223.00	1.00	1	-	0.92	-	-
		151.00 - 156.75	BIO IS 3	Biotitization, Interstitial, Moderate	205156	223.00	224.00	1.00	<0	-	<0.01	-	-
		151.00 - 156.75	EP SPT 1	Epidotization, Spotty/Patchy, Very weak	205157	224.00	225.00	1.00	<0	-	<0.01	<0.01	-
		151.00 - 156.75	AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205158	225.00	226.00	1.00	<0	-	<0.01	-	-
		151.00 - 156.75	HM AFG 2	Hematization, Alteration of feldspar grains, Weak	205159	226.00	227.00	1.00	<0	-	<0.01	-	-
		158.95 - 159.20	BIO IS 3	Biotitization, Interstitial, Moderate	205160	227.00	228.00	1.00	<0	-	<0.01	-	-
		158.95 - 159.20	AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205161	228.00	229.00	1.00	<0	-	<0.01	-	-
		158.95 - 159.20	CL IS 2	Chloritization, Interstitial, Weak	205164	229.00	230.00	1.00	0	-	0.01	-	-
		159.85 - 163.00	BIO IS 3	Biotitization, Interstitial, Moderate	205165	230.00	231.00	1.00	<0	-	<0.01	-	-
		159.85 - 163.00	HM AFG 2	Hematization, Alteration of feldspar grains, Weak	205166	231.00	232.00	1.00	<0	-	<0.01	-	-
		159.85 - 163.00	AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205167	232.00	233.00	1.00	<0	-	<0.01	<0.01	-
					205168	233.00	234.00	1.00	<0	-	<0.01	-	-

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00021**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
163.00 - 179.70		CL IS 2	Chloritization, Interstitial, Weak	205169	234.00	235.00	1.00	<0	-	<0.01	-	-
163.00 - 179.70		BIO IS 3	Biotitization, Interstitial, Moderate	205170	245.00	246.00	1.00	<0	-	<0.01	-	-
163.00 - 179.70		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205171	246.00	247.00	1.00	<0	-	<0.01	-	-
163.00 - 179.70		SR FRC 2	Sericitization, Along Fractures, Weak	205172	247.00	248.00	1.00	<0	-	<0.01	-	-
179.70 - 180.10		CL IS 3	Chloritization, Interstitial, Moderate	205173	248.00	249.00	1.00	<0	-	<0.01	-	-
179.70 - 180.10		SR PV 4	Sericitization, Pervasive, Strong	205174	249.00	250.00	1.00	0	-	0.01	-	-
179.70 - 180.10		SR PV 4	Sericitization, Pervasive, Strong	205175	250.00	251.00	1.00	<0	-	<0.01	-	-
180.10 - 184.50		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205177	251.00	252.00	1.00	<0	-	<0.01	<0.01	-
180.10 - 184.50		HM AFG 2	Hematization, Alteration of feldspar grains, Weak	205178	252.00	253.00	1.00	<0	-	<0.01	-	-
180.10 - 184.50		BIO IS 3	Biotitization, Interstitial, Moderate	205179	253.00	254.00	1.00	<0	-	<0.01	-	-
180.10 - 184.50		SR FRC 2	Sericitization, Along Fractures, Weak	205180	254.00	255.00	1.00	<0	-	<0.01	-	-
184.50 - 186.00		BIO IS 3	Biotitization, Interstitial, Moderate	205181	255.00	256.00	1.00	0	-	0.49	-	-
184.50 - 186.00		CL IS 2	Chloritization, Interstitial, Weak	205182	256.00	257.00	1.00	<0	-	<0.01	-	-
184.50 - 186.00		SR PV 3	Sericitization, Pervasive, Moderate	205183	257.00	258.00	1.00	0	-	0.02	-	-
184.50 - 186.00		SR PV 3	Sericitization, Pervasive, Moderate	205184	258.00	259.00	1.00	<0	-	<0.01	-	-
186.00 - 189.00		BIO IS 3	Biotitization, Interstitial, Moderate	205185	259.00	260.00	1.00	<0	-	<0.01	-	-
186.00 - 189.00		HM AFG 1	Hematization, Alteration of feldspar grains, Very weak	205186	260.00	261.00	1.00	0	-	0.01	-	-
186.00 - 189.00		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205187	261.00	262.00	1.00	0	-	0.08	0.08	-
189.00 - 195.00		CL IS 2	Chloritization, Interstitial, Weak	205189	262.00	263.00	1.00	<0	-	<0.01	-	-
189.00 - 195.00		SR PV 2	Sericitization, Pervasive, Weak	205191	263.00	264.00	1.00	<0	-	<0.01	-	-
189.00 - 195.00		BIO IS 3	Biotitization, Interstitial, Moderate	205192	264.00	265.00	1.00	0	-	0.03	-	-
195.00 - 206.00		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205193	265.00	266.00	1.00	0	-	0.02	-	-
195.00 - 206.00		CL IS 2	Chloritization, Interstitial, Weak	205194	266.00	267.00	1.00	<0	-	<0.01	-	-
195.00 - 206.00		BIO IS 3	Biotitization, Interstitial, Moderate	205195	267.00	268.00	1.00	<0	-	<0.01	-	-
195.00 - 206.00		HM AFG 1	Hematization, Alteration of feldspar grains, Very weak	205196	268.00	269.00	1.00	<0	-	<0.01	-	-
206.00 - 223.00		SR PV 2	Sericitization, Pervasive, Weak	205197	269.00	270.00	1.00	<0	-	<0.01	<0.01	-
206.00 - 223.00		BIO IS 3	Biotitization, Interstitial, Moderate	205198	270.00	271.00	1.00	<0	-	<0.01	-	-

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00021**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
206.00 - 223.00		CL IS 3	Chloritization, Interstitial, Moderate	205199	271.00	272.50	1.50	<0	-	<0.01	-	-
223.00 - 227.50		SR SPT 2	Sericitization, Spotty/Patchy, Weak	205200	272.50	274.00	1.50	<0	-	<0.01	-	-
223.00 - 227.50		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205202	274.00	275.00	1.00	0	-	0.01	-	-
223.00 - 227.50		HM SPT 1	Hematization, Spotty/Patchy, Very weak	205203	275.00	276.00	1.00	<0	-	<0.01	-	-
223.00 - 227.50		BIO IS 3	Biotitization, Interstitial, Moderate	205204	276.00	277.00	1.00	<0	-	<0.01	-	-
227.50 - 244.70		CL IS 2	Chloritization, Interstitial, Weak	205205	277.00	278.00	1.00	<0	-	<0.01	-	-
227.50 - 244.70		BIO IS 4	Biotitization, Interstitial, Strong	205206	278.00	279.00	1.00	<0	-	<0.01	-	-
227.50 - 244.70		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205207	279.00	280.00	1.00	<0	-	<0.01	<0.01	-
227.50 - 244.70		SR FRC 3	Sericitization, Along Fractures, Moderate	205208	280.00	281.00	1.00	<0	-	<0.01	-	-
227.50 - 244.70		SR FRC 3	Sericitization, Along Fractures, Moderate	205209	281.00	282.00	1.00	0	-	0.04	-	-
244.70 - 245.45		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205210	282.00	283.00	1.00	<0	-	<0.01	-	-
244.70 - 245.45		CL IS 2	Chloritization, Interstitial, Weak	205211	283.00	284.00	1.00	<0	-	<0.01	-	-
244.70 - 245.45		HM AFG 4	Hematization, Alteration of feldspar grains, Strong	205212	284.00	285.00	1.00	<0	-	<0.01	-	-
245.45 - 255.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205215	285.00	286.00	1.00	<0	-	<0.01	-	-
				205216	286.00	287.00	1.00	0	-	0.01	-	-

## QUALITY CONTROL REPORT

Hole Number **CL12-00021**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	
205088	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205109	FDUP	205087		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205101	STANDARD		OREAS 204	AccurAssay	-	-	1.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205113	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205134	FDUP	205112		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205126	STANDARD		OREAS 16b	AccurAssay	-	-	2.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205138	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205151	STANDARD		OREAS 501	AccurAssay	-	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205162	FDUP	205140		AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205163	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205176	STANDARD		OREAS 504	AccurAssay	-	-	1.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205190	FDUP	205168		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205188	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205214	FDUP	205192		AccurAssay	-	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205201	STANDARD		OREAS 204	AccurAssay	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205213	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

# DRILL HOLE REPORT

Hole Number: **CL12-00022**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 319	<b>Length:</b> 0	<b>Dimension:</b> BQTW	<b>Claim No.:</b> S20665	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -44	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 82.3	<b>Capped:</b> No	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 25-Apr-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 26-Apr-12	<b>Left in hole:</b> no	<b>Logged by:</b> Jillian Craig	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 02-Jun-13	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
<b>Comment:</b> bad seem at 50m and 80m; had to move drill back 6m and collar new CL-12-23; casing pulled			<b>East:</b> 431245.09	<b>East:</b> 431240
			<b>North:</b> 5265592.21	<b>North:</b> 5265591
			<b>Elev.:</b> 392.45	<b>Elev.:</b> 407
				<b>Coordinate - Local</b>
				<b>East:</b> 9900
				<b>North:</b> 8100
				<b>Elev.:</b> 407

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	319.00	-44.00	0	0	0	0	C	<input type="checkbox"/>	
30.00	318.60	-44.40	0	0	0	55910	Flexit	<input checked="" type="checkbox"/>	
51.00	319.10	-43.90	0	0	0	56080	Flexit	<input checked="" type="checkbox"/>	

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00022**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
0.00	16.90	<b>OB Overburden</b>										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		0.00 - 16.90	CB PV 2	Carbonatization, Pervasive, Weak								
		0.00 - 16.90	CL PV 4	Chloritization, Pervasive, Strong								
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		0.00 - 16.90	Py STG 0.2	Pyrite, Veinlets-stringers, 0.2%								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
		0.00 - 16.90	FLTD	Faulted								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
		0.00 - 16.90	MG	Medium Grained(1-5mm)								
		0.00 - 16.90	FG	Fine Grained (<1mm)								
16.90	24.30	<b>IITNL Tonalite</b>										
		<b>T</b>										
		Altered Tonalite. Pink to pink-grey in colour. Non-magnetic. Medium grained texture. Weak albite and hematite alteration of feldspar. Moderate interstitial chlorite alteration. Weak to very weak interstitial biotite. A few chloritic veinlets are found at moderate angles to core axis. Core is moderately fractured up throughout with rubbly areas between 21 to 24m. Minor hematite veinlets at moderate angles to core axis as well. Trace fine grained disseminated pyrite. Lower contact is in rubbly/ broken core indicating a possible fault between the two units.										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		16.90 - 24.30	BIO IS 1	Biotitization, Interstitial, Very weak								
		16.90 - 24.30	CL IS 3	Chloritization, Interstitial, Moderate								
		16.90 - 24.30	HM AFG 2	Hematization, Alteration of feldspar grains, Weak								
		16.90 - 24.30	AB AFG 2	Albitization, Alteration of feldspar grains, Weak								
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		16.90 - 24.30	Py DIS 0.05	Pyrite, Disseminated, 0.05%								

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00022**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
		16.90 - 24.30	M FAC 55	Fractured, 55° CA									
		16.90 - 24.30	M FAC 45	Fractured, 45° CA									
		<b>Texture Maj.:</b>	<b>Type</b>	<b>Comment</b>									
		16.90 - 24.30	MG	Medium Grained(1-5mm)									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
		16.90 - 24.30	FACV 0.5 45 20	CHLV Chlorite Veining, 20%									
		16.90 - 24.30	FACV 0.5 45 80	HMV Hematite Vein, 80%, 45° CA									
24.30	37.00	<b>IIDR Diorite</b>		DGR	205221	35.00	36.00	1.00	0	-	0.01	-	-
		Dark Green Fine to medium grained Diorite. Non-magnetic. Pervasive chlorite and carbonate alteration. Several (~1-2%) calcite-carbonate veins/veinlets throughout unit mainly near 45-50 deg tca and hosting minor pyrite. Starting ~35.30m to the end of the unit the diorite contains brecciated fragments of pink-grey tonalite. Contacts ~45 deg tca.			205222	36.00	37.00	1.00	0	-	0.01	-	-
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>									
		24.30 - 37.00	Po CLTS 0.05	Pyrrhotite, Clots, 0.05%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
		24.30 - 25.20	MS BC	Broken Core									
		24.30 - 25.20	MS RB	Rubble									
		24.30 - 25.20	MS FLTD	Faulted									
		25.20 - 37.00	W FAC 50	Fractured, 50° CA									
		25.20 - 37.00	W FAC 45	Fractured, 45° CA									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
		24.30 - 37.00	FACV 2.5 45 100	CBV Carbonate Vein, 100%, 45° CA									
37.00	40.20	<b>IITNL Tonalite</b>		GY	205223	37.00	38.00	1.00	0	-	0.01	-	-
		Grey to Light Pink Tonalite. Non-magnetic. Medium grained texture. Weak interstitial biotite. Patchy albite alteration from very weak to strong. ~20% qtz and qtz-chl veins as well as biotite veins throughout, such as a 35cm long qtz-chl vn at the upper contact of the unit. Patchy carbonate alteration. Very weakly			205224	38.00	39.00	1.00	0	-	0.01	-	-
					205225	39.00	40.20	1.20	<0	-	<0.01	-	-

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00022**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
		mineralized. Lower contact is sharp near 45-50 deg tca.										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		37.00 - 38.80	BIO IS 2	Biotitization, Interstitial, Weak								
		38.80 - 40.20	CB SPT 2	Carbonatization, Spotty/Patchy, Weak								
		38.80 - 40.20	BIO IS 2	Biotitization, Interstitial, Weak								
		38.80 - 40.20	AB AFG 4	Albitization, Alteration of feldspar grains, Strong								
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		37.00 - 40.20	Py VN 0.1	Pyrite, Vein-controlled, 0.1%								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
		37.00 - 37.35	QCVN 45	Quartz Calcite Vein, 45° CA								
		37.35 - 40.20	W CTL 45	Lithological Contact, 45° CA, lower								
		37.35 - 40.20	W FAC 50	Fractured, 50° CA								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
		37.00 - 40.20	MG	Medium Grained(1-5mm)								
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
		37.00 - 40.20	VN 18 45 20	QBV Quartz-Biotite Vein, 20%								
		37.00 - 40.20	VN 18 45 10	QCV Quartz-Calcite Vein, 10%								
		37.00 - 40.20	VN 18 45 70	QCHLV Quartz-Chlorite Vein, 70%, 45° CA								
40.20	43.40	<b>IMDIA Diabase</b>										
		Dark Grey Diabase Dyke. Magnetic. Fine grained texture. ~1-2% anhedral epidote altered feldspar phenocrysts, 0.5-1.5cm long. Trace disseminated pyrite. Weakly fractured near 45 deg tca. Finer grained lower chill margin over ~30cm long. Sharp contacts ~45 deg tca.										
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		40.20 - 43.40	Py DIS 0.05	Pyrite, Disseminated, 0.05%								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
		40.20 - 43.40	CTL 45	Lithological Contact, 45° CA								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								



## LITHOLOGY REPORT - Detailed -

Hole Number **CL12-00022**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	40.20 - 43.40	FG	Fine Grained (<1mm)									
43.40	50.55	<b>IITNL Tonalite</b> T										
		Grey Altered Tonalite. Non-magnetic. Medium grained texture. Intersititial biotite and chlorite. Minor epidote in fractures and veinlets at moderate angles to core axis. Weak sericite along fractures. Trace pyrite in fractures and veinlets. Sharp lower contact ~45 deg tca.	GY	205227	43.40	44.50	1.10	<0	-	<0.01	-	-
				205228	44.50	45.50	1.00	<0	-	<0.01	-	-
				205229	45.50	46.50	1.00	0	-	0.01	-	-
				205230	46.50	47.50	1.00	<0	-	<0.01	<0.01	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
	43.40 - 50.55	EP FRC 1	Epidotization, Along Fractures, Very weak	205231	47.50	48.50	1.00	0	-	0.01	-	-
	43.40 - 50.55	SR FRC 1	Sericitization, Along Fractures, Very weak	205232	48.50	49.50	1.00	<0	-	<0.01	-	-
	43.40 - 50.55	BIO IS 2	Biotitization, Interstitial, Weak									
	43.40 - 50.55	CL IS 2	Chloritization, Interstitial, Weak									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	43.40 - 50.55	Py VN 0.05	Pyrite, Vein-controlled, 0.05%									
	43.40 - 50.55	Py FAC 0.05	Pyrite, Fracture-controlled, 0.05%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	43.40 - 50.55	W CTL 45	Lithological Contact, 45° CA, lower									
	43.40 - 50.55	W FAC 45	Fractured, 45° CA									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
	43.40 - 50.55	MG	Medium Grained(1-5mm)									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA°/min/min</b>	<b>Comment</b>								
	43.40 - 50.55	2.5 45 20	QCV	Quartz-Calcite Vein, 20%								
	43.40 - 50.55	2.5 45 20	QV	Quartz Vein, 20%								
	43.40 - 50.55	2.5 45 30	CBV	Carbonate Vein, 30%								
	43.40 - 50.55	2.5 45 30	QEV	Quartz-Epidote, 30%, 45° CA								
50.55	72.60	<b>IMDIA Diabase</b>										

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00022**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
		Dark Grey-Black Diabase Dyke. Magnetic. Fine grained texture with upper and lower finer grained chill margins. Occasional ~1-2% anhedral off-white to light green epidote altered 0.5 to 1.5cm long feldspar phenocrysts. Highly fractured/rubby zone between 57 to 61m indicating a possible fault near 57.50m. Sharp lower contact ~50 deg tca.										
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		50.55 - 72.60	Py DIS 0.05	Pyrite, Disseminated, 0.05%								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
		50.55 - 57.00	DYK	Dyke								
		50.55 - 57.00	CTL 45	Lithological Contact, 45° CA, upper								
		57.00 - 61.00	FLTD	Faulted								
		57.00 - 61.00	RB	Rubble								
		57.00 - 61.00	BC	Broken Core								
		57.00 - 61.00	DYK	Dyke								
		61.00 - 72.60	FAC	Fractured								
		61.00 - 72.60	CTL 50	Lithological Contact, 50° CA, lower								
		61.00 - 72.60	DYK	Dyke								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
		50.55 - 72.60	FG	Fine Grained (<1mm)								
72.60	82.30	<b>IITNL Tonalite</b>		GY								
		Light to Medium Grey Altered Tonalite. Non-magnetic. Medium grained texture. Weak to moderate interstitial biotite alteration with weak interstitial chlorite alteration. Minor chloritic fractures at moderate angles to core axis with few carbonate veinlets at moderate angles to core axis. Rare hematite veinlets along fractures as well as trace epidote veinlets along fractures. Trace pyrite. A mafic and a short diabase dykes intrude the tonalite as well near 45 degrees to core axis. Rubby core is noted beginning near 81m indicating a possible fault zone. Note that the drillers indicated that they intersected a 'seam' near 80m and had to pull out and collar CL12-23. EOH is 82.30m.										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		72.60 - 82.30	HM FRC 1	Hematization, Along Fractures, Very weak								

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00022**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	72.60 - 82.30	EP SPT 1	Epidotization, Spotty/Patchy, Very weak									
	72.60 - 82.30	CL IS 2	Chloritization, Interstitial, Weak									
	72.60 - 82.30	BIO IS 3	Biotitization, Interstitial, Moderate									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	72.60 - 82.30	Py FAC 0.05	Pyrite, Fracture-controlled, 0.05%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	72.60 - 75.10	W FAC 45	Fractured, 45° CA									
	75.10 - 76.60	DYK 45	Dyke, 45° CA									
	76.60 - 77.85	W FAC 45	Fractured, 45° CA									
	77.85 - 81.00	DYK 45	Dyke, 45° CA									
	81.00 - 81.50	MS FLTD	Faulted									
	81.00 - 81.50	MS BC	Broken Core									
	81.00 - 81.50	MS RB	Rubble									
	81.50 - 82.30	WM FAC 45	Fractured, 45° CA									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
	72.60 - 82.30	MG	Medium Grained(1-5mm)									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	72.60 - 77.85	VN 1 45 50	CBV Carbonate Vein, 50%									
	72.60 - 77.85	VN 1 45 50	QV Quartz Vein, 50%, 45° CA									
	81.00 - 82.30	VN 7 100	QCV Quartz-Calcite Vein, 100%, rubbly									
		<b>Minor Interval:</b>										
	75.10 - 76.60	IMDIA	Diabase									
		Dark Grey-Black Diabase Dyke. Weakly magnetic. Very fine grained texture. Several hairline fractures throughout. 10cm section of very rubbly fractured core indicating possible faulting at ~75.40m. Minor weak carbonate alteration. Sharp lower contact near 45 deg tca.										
		<b>Alteration Min:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
	75.10 - 76.60	CB PV 2	Carbonatization, Pervasive, Weak									
		<b>Mineralization Min:</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	75.10 - 76.60	Pv DIS 0.05	Pvrite. Disseminated. 0.05%									

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00022**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
		<b>Structure Min.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
		75.10 - 76.60	CTL 45	Lithological Contact, 45° CA								
		75.10 - 76.60	DYK	Dyke								
		<b>Texture Min:</b>	<b>Type</b>	<b>Comment</b>								
		75.10 - 76.60	AP	Aphanitic								
		75.10 - 76.60	FG	Fine Grained (<1mm)								
		<b>Vein Min. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
		75.10 - 76.60	FACV 1.5 45 50	CBV Carbonate Vein, 50%								
		75.10 - 76.60	FACV 1.5 45 50	QV Quartz Vein, 50%, 45° CA								
<b>Minor Interval:</b>												
77.85	81.00	IM	<i>Mafic Intrusive</i>									
Dark Grey-Black Foliated Mafic Dyke. Non-magnetic. Fine grained texture. Foliated ~45 deg tca. Pervasive carbonate alteration. Carbonate along foliation. Thin to 1cm thick carbonate veinlets with rare qtz-carb veinlets along foliation. Minor crenulations near 81m local to the rubbly core below. Sharp upper contact ~45 deg tca.												
		<b>Alteration Min:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		77.85 - 81.00	CB PV 3	Carbonatization, Pervasive, Moderate								
		<b>Mineralization Min:</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		77.85 - 81.00	Py FOL 0.1	Pyrite, Along foliation, 0.1%								
		<b>Structure Min.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
		77.85 - 81.00	M CRN	Crenulation								
		77.85 - 81.00	M CTL 45	Lithological Contact, 45° CA, lower								
		77.85 - 81.00	M DYK	Dyke								
		77.85 - 81.00	M FOL 45	Foliated, 45° CA								
		<b>Texture Min:</b>	<b>Type</b>	<b>Comment</b>								
		77.85 - 81.00	FG	Fine Grained (<1mm)								
		<b>Vein Min. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
		77.85 - 81.00	FPV 4 45 50	QV Quartz Vein, 50%								
		77.85 - 81.00	FPV 4 45 45	CBV Carbonate Vein, 45%, 45° CA								

### QUALITY CONTROL REPORT

Hole Number **CL12-00022**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	
205226	STANDARD		OREAS 16b	AccurAssay	-	-	2.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

# DRILL HOLE REPORT

Hole Number: **CL12-00023**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 324	<b>Length:</b> 0	<b>Dimension:</b> BQTW	<b>Claim No.:</b> S20665	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -45	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 300	<b>Capped:</b> No	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 26-Apr-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 30-Apr-12	<b>Left in hole:</b> no	<b>Logged by:</b> Jillian Craig	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 03-Jun-13	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
<b>Comment:</b>			<b>East:</b> 431250.6	<b>East:</b> 431246
			<b>North:</b> 5265585.22	<b>North:</b> 5265580
			<b>Elev.:</b> 393.13	<b>Elev.:</b> 405
			<b>Coordinate - Local</b>	<b>East:</b> 9900
				<b>North:</b> 8090
				<b>Elev.:</b> 405

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	324.00	-45.00	0	0	0	0	C	<input type="checkbox"/>	
30.00	323.60	-45.40	0	0	0	55900	Flexit	<input checked="" type="checkbox"/>	
51.00	324.20	-44.60	0	0	0	55790	Flexit	<input checked="" type="checkbox"/>	
102.00	325.50	-43.50	0	0	0	55890	Flexit	<input checked="" type="checkbox"/>	
150.00	327.50	-43.40	0	0	0	55780	Flexit	<input checked="" type="checkbox"/>	
201.00	330.30	-43.80	0	0	0	55770	Flexit	<input checked="" type="checkbox"/>	
252.00	330.80	-43.80	0	0	0	55750	Flexit	<input checked="" type="checkbox"/>	
300.00	333.90	-42.60	0	0	0	55700	Flexit	<input checked="" type="checkbox"/>	

## LITHOLOGY REPORT - Detailed -

Hole Number **CL12-00023**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
0.00	17.20	<b>OB Overburden</b>											
17.20	67.65	<b>IITNL Tonalite T</b>	GY	205234	41.00	42.00	1.00	<0	-	<0.01	-	-	
		<p>Altered Tonalite. Pink-grey in colour to medium-grey. Non-magnetic. Medium grained texture. Weak interstitial chlorite and biotite. Weak hematite alteration of feldspar with trace patchy epidote alteration. Hematite altered halos local to several fractures. Core is rubbly/highly fractured at upper contact area down to ~20m depth. A couple larger qtz-chl veins are found, one from 33.50 to 33.80m and another from 35.20 to 35.60m at ~45 deg tca and host nil sulphides. From ~41m to 48m the tonalite hosts several carbonate and qtz-carb veins/veinlets at moderate angles to core axis as well as several chloritic veinlets hosting ~0.1% py with patchy carbonate alteration. Spotty/patchy epidote alteration thereafter with albite altered tonalite with moderate interstitial biotite. Overall very weak mineralization with trace to 0.1% fracture controlled pyrite. Intermittent spikes in quartz and qtz-carb veining (although they are nil of sulphides). Sharp lower contact near 45 degrees to core axis.</p>		205235	42.00	43.00	1.00	<0	-	<0.01	-	-	
					205236	43.00	44.00	1.00	0	-	0.01	-	-
					205237	44.00	45.00	1.00	0	-	0.01	-	-
					205239	45.00	46.00	1.00	<0	-	<0.01	-	-
					205240	46.00	47.00	1.00	<0	-	<0.01	-	-
					205241	47.00	48.00	1.00	0	-	0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>									
		17.20 - 41.00	EP SPT 1	Epidotization, Spotty/Patchy, Very weak									
		17.20 - 41.00	BIO IS 2	Biotitization, Interstitial, Weak									
		17.20 - 41.00	CL IS 2	Chloritization, Interstitial, Weak									
		17.20 - 41.00	HM AFG 2	Hematization, Alteration of feldspar grains, Weak									
		41.00 - 48.00	CB SPT 2	Carbonatization, Spotty/Patchy, Weak									
		41.00 - 48.00	BIO IS 2	Biotitization, Interstitial, Weak									
		41.00 - 48.00	CL IS 3	Chloritization, Interstitial, Moderate									
		48.00 - 67.65	EP SPT 1	Epidotization, Spotty/Patchy, Very weak									
		48.00 - 67.65	CL IS 2	Chloritization, Interstitial, Weak									

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00023**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	48.00 - 67.65	BIO IS 3	Biotitization, Interstitial, Moderate									
	48.00 - 67.65	AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	17.20 - 41.00	Py FAC 0.05	Pyrite, Fracture-controlled, 0.05%									
	41.00 - 48.00	Py FAC 0.1	Pyrite, Fracture-controlled, 0.1%									
	48.00 - 67.65	Py FAC 0.05	Pyrite, Fracture-controlled, 0.05%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	17.20 - 20.00	M FAC 45	Fractured, 45° CA									
	20.00 - 61.35	W FAC 45	Fractured, 45° CA									
	61.35 - 61.85	FOL 45	Foliated, 45° CA									
	61.35 - 61.85	CTL 45	Lithological Contact, 45° CA									
	61.35 - 61.85	DYK	Dyke									
	61.85 - 67.65	W FAC 45	Fractured, 45° CA									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
	17.20 - 67.65	MG	Medium Grained(1-5mm)									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	17.20 - 33.50	FACV 0.5 45 100	CBV Carbonate Vein, 100%, 45° CA									
	33.50 - 33.80	VN 100 45 100	QCHLV Quartz-Chlorite Vein, 100%, 45° CA									
	35.20 - 35.50	VN 100 45 100	QBV Quartz-Biotite Vein, 100%, 45° CA									
	35.50 - 43.00	VN 2 45 50	CBV Carbonate Vein, 50%									
	35.50 - 43.00	VN 2 45 50	QCV Quartz-Calcite Vein, 50%, 45° CA									
	43.00 - 47.00	VN 6 45 100	QCV Quartz-Calcite Vein, 100%, 45° CA									
	47.00 - 53.00	VN 2 45 50	CBV Carbonate Vein, 50%									
	47.00 - 53.00	VN 2 45 50	QCV Quartz-Calcite Vein, 50%, 45° CA									
	57.00 - 58.00	1 50 100	QV Quartz Vein, 100%, 50° CA									
	64.00 - 67.65	VN 2 55 100	QCHLV Quartz-Chlorite Vein, 100%, 55° CA									

**Minor Interval:**



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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
32.50	33.50	IM <i>Mafic Intrusive</i> Dark Grey-Green Mafic Dyke. Non-magnetic. Fine to medium grained texture. Moderately chlorite and carbonate altered. Weakly foliated near 45 deg tca. Abundant carbonate veinlets along foliation. Sharp lower contact ~45 deg tca followed by a 30cm long qtz vein.										
<b>Minor Interval:</b>												
61.35	61.85	IM <i>Mafic Intrusive</i> Dark Grey-Black Mafic Dyke. Non-magnetic. Fine grained texture. Weakly foliated near 45 deg tca. Pervasive carbonate alteration. Minor carbonate along foliation. Sharp contacts ~45 deg tca.										
<b>Alteration Min:</b>												
<i>Type/Style/Intensity</i> <i>Comment</i>												
61.35 - 61.85      CB PV 3      Carbonatization, Pervasive, Moderate												
<b>Mineralization Min:</b>												
<i>Type/Style/%Mineral</i> <i>Comment</i>												
61.35 - 61.85      Py FOL 0.15      Pyrite, Along foliation, 0.15%												
<b>Structure Min.:</b>												
<i>Inte/Type/Core Angle</i> <i>Comment</i>												
61.35 - 61.85      FOL 45      Foliated, 45° CA												
61.35 - 61.85      CTL 45      Lithological Contact, 45° CA												
61.35 - 61.85      DYK      Dyke												
<b>Texture Min:</b>												
<i>Type</i> <i>Comment</i>												
61.35 - 61.85      FG      Fine Grained (<1mm)												
<b>Vein Min. :</b>												
<i>Style/%vein/CoreA/%min/min</i> <i>Comment</i>												
61.35 - 61.85      FPV 2 45 100 CBV      Carbonate Vein, 100%, 45° C/												

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From (m)	To (m)	Lithology	Weathering Oxidation Colour	Sample #	From	To	Length	Au (ppm)	AV Au (ppm)	FA Au (ppm)	FA2 Au (ppm)	FA3 Au (ppm)
<b>Minor Interval:</b>												
66.65	67.20	IM Mafic Intrusive										
Dark Grey-Black Mafic Dyke. Non-magnetic. Fine grained texture. ~0.2% fg disseminated pyrite. Carbonate vein at lower contact. Sharp contacts ~45 deg tca.												
<b>Alteration Min:</b>												
<b>Type/Style/Intensity Comment</b>												
66.65 - 67.20 CL PV 2 Chloritization, Pervasive, Weak												
66.65 - 67.20 CB PV 2 Carbonatization, Pervasive, Weak												
<b>Mineralization Min:</b>												
<b>Type/Style/%Mineral Comment</b>												
66.65 - 67.20 Py DIS 0.2 Pyrite, Disseminated, 0.2%												
<b>Structure Min.:</b>												
<b>Inte/Type/Core Angle Comment</b>												
66.65 - 67.20 CTL 45 Lithological Contact, 45° CA												
66.65 - 67.20 DYK Dyke												
<b>Texture Min:</b>												
<b>Type Comment</b>												
66.65 - 67.20 FG Fine Grained (<1mm)												
<b>Vein Min. :</b>												
<b>Style/%vein/CoreA/%min/min Comment</b>												
66.65 - 67.20 CTV 3 45 100 CBV Carbonate Vein, 100%, 45° CA												
67.65	70.80	IM Mafic Dyke										
Black Mafic Dyke. Non-magnetic. Fine grained texture. Biotite rich. Foliated/sheared near 40-45 degrees to core axis with abundant carbonate along foliation. Minor disseminated pyrite. A few qtz-carb vns at 45 to 50 deg tca. Pervasive carbonate alteration. Sharp contacts ~45 degrees to core axis.												
<b>Alteration Maj:</b>												
<b>Type/Style/Intensity Comment</b>												
67.65 - 70.80 CB PV 4 Carbonatization, Pervasive, Strong												
<b>Mineralization Maj. :</b>												
<b>Type/Style/%Mineral Comment</b>												
67.65 - 70.80 Py FOL 0.2 Pyrite, Along foliation, 0.2%												
<b>Structure Maj.:</b>												
<b>Inte/Type/Core Angle Comment</b>												
67.65 - 70.80 FOL 45 Foliated, 45° CA												
67.65 - 70.80 CTL 45 Lithological Contact, 45° CA												
67.65 - 70.80 DYK Dyke												

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		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
		67.65 - 70.80	FG	Fine Grained (<1mm)								
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
		67.65 - 70.80	FACV 10 45 15	QCV Quartz-Calcite Vein, 15%								
		67.65 - 70.80	FACV 10 45 85	CBV Carbonate Vein, 85%, 45° CA								
70.80	83.00	<b>IMDIA Diabase</b>										
		Dark Grey-Black Diabase Dyke. Magnetic. Fine grained texture with very fine grained upper and lower chill margins. ~1-2% anhedral 0.5-1.5cm long epidote altered feldspar phenocrysts throughout which is typical of the matachewan diabase dyke swarm. Trace disseminated pyrite. Weakly fractured near 45 and 50 degrees to core axis with abundant fracturing to rubbly core between 77 to 77.30 and 80 to 81.50m. Lower contact is sharp ~45 degrees to core axis.										
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		70.80 - 82.95	Py DIS 0.05	Pyrite, Disseminated, 0.05%								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
		70.80 - 77.00	CTL 45	Lithological Contact, 45° CA, upper								
		77.00 - 77.30	FLTD	Faulted								
		77.00 - 77.30	BC	Broken Core								
		77.00 - 77.30	RB	Rubble								
		77.30 - 79.90	WM FAC 45	Fractured, 45° CA								
		79.90 - 81.50	BC	Broken Core								
		79.90 - 81.50	FLTD	Faulted								
		79.90 - 81.50	RB	Rubble								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
		70.80 - 82.95	FG	Fine Grained (<1mm)								

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<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
83.00	261.50	<b>IITNL Tonalite</b> <b>T</b>	GY	205242	112.00	113.00	1.00	0	-	0.03	-	-
		<p>Medium Grey Altered Tonalite. Non-magnetic. Medium grained texture. Interstitial weak to moderate biotite and weak chlorite. Weak albite alteration. Weak to sericite alteration halos marginal to selective veins and fractures/stockworks. A sericitized zone is intersected from ~112.50 to 114.50m with ~0.2% py in veins and ~0.2% py in fractures and disseminated. Several other sericitized zones and areas with stockworks of quartz and chloritic veinlets with sericitized halos are localized throughout and are intersected thereafter and host the majority of the heightened sulphide mineralization. A few other intermittent sections with pervasive sericite alteration are also intersected such as from ~140.60 to 143.30m. Minor epidote is found along fractures mainly from ~105 to 113m as well as being seen rarely thereafter. Intermittent sections of dark grey tonalite with moderate to strong interstitial biotite is found from ~121.50 to ~132m. Very weak patchy intermittent hematite staining throughout. A zone of semi-pervasive weak to moderate hematite alteration is intersected from ~182 to 216m with thin stockworks throughout with sericitized and silicified alteration halos marginal to veins and fractures which is where mineralization resides within this interval. Between 192 to 194m there are several thin qtz and qtz-carb vns hosting minor fg py and tr cpy as well as py in stockwork fractures. A quartz vein at ~ 207.70m at ~65 deg tca hosts ~0.3-0.4% py with a 10cm wide sericite altered halo with disseminated pyrite. A 1-2cm thick white qtz vein at 233.25m oriented ~65 deg tca hosts a thin fracture with trace to 0.1% moly, this vein has a sericitized alteration halo with ~0.3% pyrite. Overall weak veining. Commonly weakly fractured near 45 degrees to core axis. Irregular but sharp lower contact ~40-45 deg tca with a diabase dyke. Below is a list of highlights throughout the unit:</p> <p>112.5 to 114.50m: A sericitized zone is intersected from ~112.50 to 114.50m with ~0.2% py in veins and ~0.2% py in fractures and disseminated</p> <p>140.60 to 143.30m: Pervasive sericite alteration are also intersected such as from ~140.60 to 143.30m with 0.2% fracture controlled pyrite and trace vein-hosted pyrite</p> <p>151.20 to 156m: Sericite alteration marginal to veins and fractures (altered halos) with patchy hematite alteration, 0.2% fracture controlled py, trace py in veins</p> <p>156 to 168m: Sericite alteration marginal to veins and fractures (altered halos) with 0.3% fracture controlled py, 0.1% py in veins/veinlets</p> <p>168 to 169m: Medium grey sericite altered tonalite with ~0.3% py in fractures and ~0.25% py and 0.1% cpy in a 1cm thick qtz-carb vein at ~55 deg tca (duplicate taken here)</p> <p>173 to 174m: Stockwork qtz-carb veins and chloritic fractures with sericitized alteration halos, mineralization consists of 0.3% vein-hosted pyrite, 0.2% fracture-controlled pyrite</p> <p>177.50 to 183m: Tonalite with sericite marginal to veins and fractures following a mafic shear zone. Tonalite hosts 0.25% fracture-controlled pyrite, and 0.4% pyrite and 0.1% chalcopyrite in veins from 182 to 183m.</p> <p>192 to 195m: Veins and chloritic stockworks with silicified and sericitized halos in a hematite altered zone of tonalite; 0.2% vein-hosted pyrite, trace chalcopyrite in veins, 0.25-0.3% fracture/stockwork hosted pyrite</p> <p>207 to 208m: A quartz stockwork vein at ~ 207.70m at ~65 deg tca hosts ~0.4% py with a 10-15cm wide sericite altered halo with ~0.3% disseminated pyrite</p> <p>225 to 233m: Tonalite with chloritic stockworks hosting ~0.2-0.25% fg py with silicified and sericitized alteration halos, 0.25-0.3% vein-hosted pyrite with trace chalcopyrite, ~0.1% disseminated blebs of py</p>	205243	113.00	114.00	1.00	0	-	0.01	0.01	-	
			205244	114.00	115.00	1.00	0	-	0.02	-	-	
			205245	115.00	116.00	1.00	0	-	0.02	-	-	
			205246	140.00	141.00	1.00	<0	-	<0.01	-	-	
			205247	141.00	142.00	1.00	<0	-	<0.01	-	-	
			205248	142.00	143.00	1.00	<0	-	<0.01	-	-	
			205249	143.00	144.00	1.00	<0	-	<0.01	-	-	
			205250	150.00	151.00	1.00	<0	-	<0.01	-	-	
			205252	151.00	152.00	1.00	<0	-	<0.01	-	-	
			205253	152.00	153.00	1.00	<0	-	<0.01	<0.01	-	
			205254	153.00	154.00	1.00	<0	-	<0.01	-	-	
			205255	154.00	155.00	1.00	<0	-	<0.01	-	-	
			205256	155.00	156.00	1.00	<0	-	<0.01	-	-	
			205257	156.00	157.00	1.00	<0	-	<0.01	-	-	
			205258	157.00	158.00	1.00	<0	-	<0.01	-	-	
			205259	158.00	159.00	1.00	<0	-	<0.01	-	-	
			205260	159.00	160.00	1.00	0	-	0.01	-	-	
			205261	160.00	161.00	1.00	0	-	0.01	-	-	
		205262	161.00	162.00	1.00	<0	-	<0.01	-	-		
		205264	162.00	163.00	1.00	0	-	0.01	-	-		
		205265	163.00	164.00	1.00	<0	-	<0.01	-	-		
		205266	164.00	165.00	1.00	<0	-	<0.01	-	-		
		205267	165.00	166.00	1.00	<0	-	<0.01	-	-		
		205268	166.00	167.00	1.00	<0	-	<0.01	-	-		
		205269	167.00	168.00	1.00	<0	-	<0.01	-	-		
		205270	168.00	169.00	1.00	0	-	0.02	-	-		

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233 to 233.50m: ~ 1.5cm thick white quartz vein at 233.25m at ~ 65 deg tca hosting ~0.1% moly in a chloritic fracture within the vein with ~20cm wide sericitized alteration halos hosting ~0.3% fg disseminated pyrite				205271	169.00	170.00	1.00	<0	-	<0.01	-	-
				205272	170.00	171.00	1.00	<0	-	<0.01	-	-
				205273	171.00	172.00	1.00	<0	-	<0.01	<0.01	-
<b>Alteration Maj:</b>				205274	172.00	173.00	1.00	<0	-	<0.01	-	-
<b>Type/Style/Intensity</b>				205275	173.00	174.00	1.00	<0	-	<0.01	-	-
<b>Comment</b>				205277	174.00	175.00	1.00	0	-	0.01	-	-
83.00 - 105.00		CL IS 2	Chloritization, Interstitial, Weak	205278	175.00	176.00	1.00	<0	-	<0.01	-	-
83.00 - 105.00		BIO IS 3	Biotitization, Interstitial, Moderate	205279	176.00	177.50	1.50	<0	-	<0.01	-	-
83.00 - 105.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205280	177.50	178.90	1.40	0	-	0.01	-	-
105.00 - 113.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205281	178.90	180.00	1.10	<0	-	<0.01	-	-
105.00 - 113.00		BIO IS 3	Biotitization, Interstitial, Moderate	205282	180.00	181.00	1.00	<0	-	<0.01	-	-
105.00 - 113.00		EP FRC 1	Epidotization, Along Fractures, Very weak	205283	181.00	182.00	1.00	<0	-	<0.01	<0.01	-
105.00 - 113.00		CL IS 2	Chloritization, Interstitial, Weak	205284	182.00	183.00	1.00	<0	-	<0.01	-	-
113.00 - 114.50		SR PV 2	Sericitization, Pervasive, Weak	205285	192.00	193.00	1.00	<0	-	<0.01	-	-
113.00 - 114.50		CL IS 3	Chloritization, Interstitial, Moderate	205286	193.00	194.00	1.00	0	-	0.01	-	-
113.00 - 114.50		BIO IG 2	Biotitization, Intergranular, Weak	205287	194.00	195.00	1.00	<0	-	<0.01	-	-
114.50 - 121.50		CL IS 2	Chloritization, Interstitial, Weak	205289	206.00	207.00	1.00	<0	-	<0.01	-	-
114.50 - 121.50		BIO IS 3	Biotitization, Interstitial, Moderate	205290	207.00	208.00	1.00	1	-	0.66	-	-
114.50 - 121.50		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205291	208.00	209.00	1.00	0	-	0.01	-	-
121.50 - 123.20		BIO IS 4	Biotitization, Interstitial, Strong	205293	226.00	227.00	1.00	<0	-	<0.01	<0.01	-
121.50 - 123.20		EP AFG 1	Epidotization, Alteration of feldspar grains, Very weak	205294	227.00	228.00	1.00	<0	-	<0.01	-	-
121.50 - 123.20		CL IS 3	Chloritization, Interstitial, Moderate	205295	228.00	229.00	1.00	<0	-	<0.01	-	-
123.20 - 125.90		BIO IS 3	Biotitization, Interstitial, Moderate	205296	229.00	230.00	1.00	<0	-	<0.01	-	-
123.20 - 125.90		CL IS 2	Chloritization, Interstitial, Weak	205297	230.00	231.00	1.00	<0	-	<0.01	-	-
123.20 - 125.90		CL FRC 3	Chloritization, Along Fractures, Moderate	205298	231.00	232.00	1.00	0	-	0.01	-	-
123.20 - 125.90		AB SPT 3	Albitization, Spotty/Patchy, Moderate	205299	232.00	233.00	1.00	<0	-	<0.01	-	-
125.90 - 131.75		CL IS 3	Chloritization, Interstitial, Moderate	205300	233.00	234.00	1.00	0	-	0.05	-	-
125.90 - 131.75		BIO IS 4	Biotitization, Interstitial, Strong									

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	125.90 - 131.75	EP FRC 1	Epidotization, Along Fractures, Very weak	205302	234.00	235.00	1.00	<0	-	<0.01	-	-
	131.75 - 140.60	CL IS 1	Chloritization, Interstitial, Very weak	205303	235.00	236.00	1.00	<0	-	<0.01	<0.01	-
	131.75 - 140.60	HM AFG 1	Hematization, Alteration of feldspar grains, Very weak	205304	236.00	237.00	1.00	0	-	0.01	-	-
	131.75 - 140.60	AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205305	237.00	238.00	1.00	<0	-	<0.01	-	-
	131.75 - 140.60	BIO IS 3	Biotitization, Interstitial, Moderate	205306	238.00	239.00	1.00	<0	-	<0.01	-	-
	140.60 - 143.30	SR PV 3	Sericitization, Pervasive, Moderate	205307	239.00	240.00	1.00	6	-	5.49	-	-
				205308	240.00	241.00	1.00	0	-	0.01	-	-
261.50	264.16	<b>IMDIA Diabase</b>	GRBLK									
		Dark Grey-Black. Magnetic. Fine grained texture. Foliated local to upper contact near 45-50 deg tca. Carbonate altered over the first ~1m of the unit as well with carbonate along foliation. Upper contact is irregular and at a moderate to low angle to core axis. ~1% anhedral light green epidote altered 0.5-1.5cm long feldspar phenocrysts are found throughout the dyke. Minor thin hairline carbonate filled fractures are found throughout. Core is commonly broken near 50 degrees to core axis.. Trace disseminated pyrite. Sharp lower contact ~80 degrees to core axis.										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
	261.50 - 264.16	EP AFG 2	Epidotization, Alteration of feldspar grains, Weak, of feldspar phenocrysts									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	261.50 - 264.16	Py FAC 0.05	Pyrite, Fracture-controlled, 0.05%									
	261.50 - 264.16	Py DIS 0.05	Pyrite, Disseminated, 0.05%									

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264.16	300.00	<b>IITNL Tonalite</b> T	GY	205309	285.00	286.00	1.00	<0	-	<0.01	-	-	
<p>Light Grey Altered Tonalite. Non-magnetic. Medium grained texture. Fine to medium grained 0.5-2cm long subrounded clots of biotite throughout with additional moderate interstitial biotite throughout the tonalite. Albite alteration throughout with minor sericite marginal to veins and fractures. Patchy carbonate alteration is noted between ~271 to 274m. Sericite is noted marginal to veins and fractures with generally minor amounts of fine grained pyrite. These sericitized halos become more pronounced below 285m. At 288.60m there is a 4cm thick qtz-carb stockwork vein at ~40 deg tca hosting ~1.2% fg py with a 15cm wide sericite altered halo with ~0.8% fg disseminated pyrite blebs. A 1cm thick qtz-carb vein at 291.80m hosts ~0.2% py, 0.3% disseminated pyrite in the sericitized halo local to the vein and 0.35% py within fractured local to the vein. ~A quartz-carbonate vein at 295.55 to 295.70m at ~45 deg tca hosts ~0.3% pyrrhotite and 0.1% pyrite. End of hole is 300.0m.</p>													
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>									
264.16 - 287.00		HM PV 1		Hematization, Pervasive, Very weak	205310	286.00	287.00	1.00	<0	-	<0.01	-	-
264.16 - 287.00		SR FRC 2		Sericitization, Along Fractures, Weak	205311	287.00	288.00	1.00	0	-	0.01	-	-
264.16 - 287.00		BIO IS 3		Biotitization, Interstitial, Moderate	205312	288.00	289.00	1.00	7	-	6.46	-	-
264.16 - 287.00		AB AFG 3		Albitization, Alteration of feldspar grains, Moderate	205314	289.00	290.00	1.00	0	-	0.01	-	-
287.00 - 300.00		CL IS 2		Chloritization, Interstitial, Weak	205315	290.00	291.00	1.00	<0	-	<0.01	-	-
287.00 - 300.00		BIO IS 3		Biotitization, Interstitial, Moderate	205317	291.00	292.00	1.00	<0	-	<0.01	-	-
287.00 - 300.00		AB AFG 2		Albitization, Alteration of feldspar grains, Weak	205318	292.00	293.00	1.00	<0	-	<0.01	-	-
287.00 - 300.00		SR FRC 3		Sericitization, Along Fractures, Moderate	205319	293.00	294.00	1.00	0	-	0.01	-	-
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>	205320	294.00	295.00	1.00	<0	-	<0.01	-	-
264.16 - 288.00		Py FAC 0.15		Pyrite, Fracture-controlled, 0.15%	205321	295.00	296.00	1.00	<0	-	<0.01	-	-
288.00 - 289.00		Py FAC 0.2		Pyrite, Fracture-controlled, 0.2%	205322	296.00	297.00	1.00	<0	-	<0.01	-	-
288.00 - 289.00		Py DIS 0.8		Pyrite, Disseminated, 0.8%	205323	297.00	298.00	1.00	<0	-	<0.01	<0.01	-
288.00 - 289.00		Py VN 1.2		Pyrite, Vein-controlled, 1.2%	205324	298.00	299.00	1.00	<0	-	<0.01	-	-
289.00 - 290.00		Py FAC 0.25		Pyrite, Fracture-controlled, 0.25%	205325	299.00	300.00	1.00	<0	-	<0.01	-	-
290.00 - 291.00		Py VN 0.2		Pyrite, Vein-controlled, 0.2%									
290.00 - 291.00		Py DIS 0.3		Pyrite, Disseminated, 0.3%									
290.00 - 291.00		Py FAC 0.35		Pyrite, Fracture-controlled, 0.35%									
291.00 - 294.00		Py FAC 0.25		Pyrite, Fracture-controlled, 0.25%									

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00023**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	294.00 - 295.00	Py VN 0.1	Pyrite, Vein-controlled, 0.1%									
	294.00 - 295.00	Po VN 0.3	Pyrrhotite, Vein-controlled, 0.3%									
	295.00 - 300.00	Po FAC 0.2	Pyrrhotite, Fracture-controlled, 0.2%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	264.16 - 300.00	W FAC 55	Fractured, 55° CA									
	264.16 - 300.00	W FAC 45	Fractured, 45° CA									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
	264.16 - 300.00	MG	Medium Grained(1-5mm)									
		<b>Vein Maj. :</b>	<b>Style%/vein/CoreA/%min/min</b>	<b>Comment</b>								
	271.00 - 272.00	VN 1 55 100 QV	Quartz Vein, 100%, 55° CA									
	272.00 - 278.00	FACV 0.5 45 100 CBV	Carbonate Vein, 100%, 45° CA									
	278.00 - 286.00	VN 1 45 20 CBV	Carbonate Vein, 20%									
	278.00 - 286.00	VN 1 45 50 QV	Quartz Vein, 50%									
	278.00 - 286.00	VN 1 45 30 QCV	Quartz-Calcite Vein, 30%, 45° CA									
	286.00 - 288.00	FACV 1 45 100 CBV	Carbonate Vein, 100%, 45° CA									
	288.00 - 289.00	VN 12 40 100 QCV	Quartz-Calcite Vein, 100%, 40° CA									
	289.00 - 294.00	VN 2 45 100 QCV	Quartz-Calcite Vein, 100%, 45° CA									
	294.00 - 295.00	VN 6 45 100 QCHLV	Quartz-Chlorite Vein, 100%, 45° CA, hosting ~0.3% po and 0.1% py									
		<b>Minor Interval:</b>										
269.25	270.00	IMDIA Diabase	Dark Grey-Black Diabase Dyke. Fine grained texture. Magnetic. Hard. Low angle dyke at ~5 deg tca. Tr dissem py. Low angle upper and lower contacts.									
		<b>Structure Min.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	269.25 - 270.00	CTL 5	Lithological Contact, 5° CA									
	269.25 - 270.00	DYK	Dyke									
		<b>Texture Min:</b>	<b>Type</b>	<b>Comment</b>								
	269.25 - 270.00	FG	Fine Grained (<1mm)									



**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00023**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
<b>Minor Interval:</b>												
270.80	271.60	IMDIA Diabase										
		Dark Grey-Green Diabase Dyke. Fine grained texture. Magnetic. Hard. Low angle dyke at ~5 deg tca. Fg dissem py. Low angle upper and lower contacts.										
		<b>Alteration Min:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		270.80 - 271.60	CB PV 2	Carbonatization, Pervasive, Weak								
		<b>Mineralization Min:</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		270.80 - 271.60	Py DIS 0.25	Pyrite, Disseminated, 0.25%								
		<b>Structure Min.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
		270.80 - 271.60	CTL 40	Lithological Contact, 40° CA								
		270.80 - 271.60	DYK	Dyke								

## QUALITY CONTROL REPORT

Hole Number **CL12-00023**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	
205238	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205251	STANDARD		OREAS 501	AccurAssay	-	-	0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205263	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205292	FDUP	205270		AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205276	STANDARD		OREAS 504	AccurAssay	-	-	1.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205288	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205301	STANDARD		OREAS 204	AccurAssay	-	-	1.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205313	BLKDIA			AccurAssay	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205316	FDUP	205294		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205326	STANDARD		OREAS 16b	AccurAssay	-	-	2.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## DRILL HOLE REPORT

Hole Number: **CL12-00024**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 328	<b>Length:</b> 0	<b>Dimension:</b> BQTW	<b>Claim No.:</b> 546984	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -44	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 70.6	<b>Capped:</b> No	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 30-Apr-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 01-May-12	<b>Left in hole:</b> no	<b>Logged by:</b> Jillian Craig	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 09-Jun-13	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
<b>Comment:</b> hit bad seam at 72m rods stuck had to abandon; 24m of rods left in hole + core barrel; casing pulled			<b>East:</b> 431344	<b>East:</b> 431344
			<b>North:</b> 5265420	<b>North:</b> 5265420
			<b>Elev.:</b> 412	<b>Elev.:</b> 412
				<b>Coordinate - Local</b>
				<b>East:</b> 9900
				<b>North:</b> 7900
				<b>Elev.:</b> 412

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	328.00	-44.00	0	0	0	0	C	<input type="checkbox"/>	
21.00	327.90	-43.90	0	0	0	56360	Flexit	<input checked="" type="checkbox"/>	
70.60	333.70	-39.50	0	0	0	55900	Flexit	<input checked="" type="checkbox"/>	

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00024**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>	
0.00	9.20	<b>OB Overburden</b>											
9.20	25.80	<b>IMDIA Diabase</b>	GRBLK										
<p>Dark Grey Diabase Dyke. Magnetic. Medium to fine grained texture. The lower 3m of the unit is a very fine grained lower chill margin. &lt;1% random subrounded 0.5-2.5cm long anhedral epidote altered light green feldspar phenocrysts throughout. Minor chloritic fractures. Commonly although weakly fractured ~45 to 50 deg tca. Trace disseminated pyrite. Sharp lower contact ~40 deg tca.</p>													
25.80	70.60	<b>IITNL Tonalite</b>											
<p>Altered Tonalite. Grey to Pink in colour. Non-magnetic. Medium grained texture. The first ~1.5m of the unit is red and pervasively hematite altered. This is followed by a zone of strong interstitial biotite and chlorite alteration from ~27 to 33.80m. Minor hematite staining and epidote alteration of feldspars within this grey chloritized zone as well. The tonalite appears weakly foliated within this chloritized zone as well with a moderate angled orientation near 45 degrees to core axis. Following the chloritized zone the tonalite is largely pink in colour, moderately hematite altered with moderate interstitial biotite and minor weak epidote along fractures as well as veinlets down to ~42m. Following 42m the tonalite is pink-grey with chloritic fractures with silicified alteration halos throughout. The tonalite is also albite altered with interstitial biotite. At ~60.10m there is a ~5cm thick biotite-amphibole vein with fg cpy (0.2%) and py (0.1%). Minor hematite along fractures/veinlets as well. Weak overall veining with minor fracture-fill carbonate throughout. Typically ~0.1% to tr py along fractures. End of hole is 70.60m.</p>													
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>	205327	32.00	33.00	1.00	<0	-	<0.01	-	-
					205328	33.00	34.00	1.00	<0	-	<0.01	-	-
					205329	34.00	35.00	1.00	<0	-	<0.01	-	-
					205330	35.00	36.00	1.00	<0	-	<0.01	-	-
					205331	36.00	37.00	1.00	<0	-	<0.01	-	-
					205332	37.00	38.00	1.00	<0	-	<0.01	-	-
					205333	38.00	39.00	1.00	<0	-	<0.01	-	-
					205334	39.00	40.00	1.00	0	-	0.01	-	-
					205335	49.00	50.00	1.00	<0	-	<0.01	-	-
					205336	50.00	51.00	1.00	<0	-	<0.01	<0.01	-

## LITHOLOGY REPORT - Detailed -

Hole Number **CL12-00024**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
25.80 - 26.90		BIO IS 2	Biotitization, Interstitial, Weak	205337	51.00	52.00	1.00	<0	-	<0.01	-	-
25.80 - 26.90		HM PV 3	Hematization, Pervasive, Moderate	205339	52.00	53.00	1.00	<0	-	<0.01	-	-
25.80 - 26.90		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205340	59.00	60.00	1.00	<0	-	<0.01	-	-
26.90 - 33.80		HM AFG 1	Hematization, Alteration of feldspar grains, Very weak	205341	60.00	61.00	1.00	<0	-	<0.01	-	-
26.90 - 33.80		CL IS 4	Chloritization, Interstitial, Strong	205342	61.00	62.00	1.00	<0	-	<0.01	-	-
26.90 - 33.80		EP AC 1	Epidotization, Alteration of carbonate, Very weak	205343	62.00	63.00	1.00	<0	-	<0.01	-	-
26.90 - 33.80		BIO IS 4	Biotitization, Interstitial, Strong	205344	63.00	64.00	1.00	<0	-	<0.01	-	-
33.80 - 42.00		HM PV 3	Hematization, Pervasive, Moderate									
33.80 - 42.00		EP FRC 2	Epidotization, Along Fractures, Weak									
33.80 - 42.00		BIO IS 3	Biotitization, Interstitial, Moderate									
42.00 - 58.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
42.00 - 58.00		SI FRC 4	Silicification, Along Fractures, Strong									
42.00 - 58.00		BIO IG 3	Biotitization, Intergranular, Moderate									
42.00 - 58.00		HM AFG 2	Hematization, Alteration of feldspar grains, Weak									
58.00 - 62.00		BIO IS 3	Biotitization, Interstitial, Moderate									
58.00 - 62.00		CL IG 2	Chloritization, Intergranular, Weak									
58.00 - 62.00		HM FRC 2	Hematization, Along Fractures, Weak									
62.00 - 70.60		HM AFG 2	Hematization, Alteration of feldspar grains, Weak									
62.00 - 70.60		CL IS 2	Chloritization, Interstitial, Weak									
62.00 - 70.60		BIO IS 2	Biotitization, Interstitial, Weak									
62.00 - 70.60		AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
<b>Mineralization Maj. :</b>		<b>Type/Style/%Mineral</b>	<b>Comment</b>									
25.80 - 60.00		Py FAC 0.1	Pyrite, Fracture-controlled, 0.1%									
60.00 - 61.00		Py VN 0.15	Pyrite, Vein-controlled, 0.15%, in a biotite-amphibole vein ~5cm wide									

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00024**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
	60.00 - 61.00	Cpy VN 0.2	Chalcopyrite, Vein-controlled, 0.2%, in a biotite-amphibole vein ~5cm wide									
	61.00 - 70.60	Py FAC 0.1	Pyrite, Fracture-controlled, 0.1%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	25.80 - 70.60	W FAC 50	Fractured, 50° CA									
	25.80 - 70.60	W FAC 45	Fractured, 45° CA									
		<b>Texture Maj.:</b>	<b>Type</b>	<b>Comment</b>								
	25.80 - 70.60	MG	Medium Grained(1-5mm)									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	25.80 - 40.00	VN 1 65 100 QV	Quartz Vein, 100%, 65° CA									
	40.00 - 49.00	FACV 1 45 20 QEV	Quartz-Epidote, 20%									
	40.00 - 49.00	FACV 1 45 80 CBV	Carbonate Vein, 80%, 45° CA									
	59.00 - 70.60	FACV 0.5 45 10 QEV	Quartz-Epidote, 10%									
	59.00 - 70.60	FACV 0.5 45 90 CBV	Carbonate Vein, 90%, 45° CA									

## QUALITY CONTROL REPORT

Hole Number **CL12-00024**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	
205338	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## DRILL HOLE REPORT

Hole Number: **CL12-00025**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 333	<b>Length:</b> 0	<b>Dimension:</b> BQTW	<b>Claim No.:</b> 546984	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -40	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 295.75	<b>Capped:</b> No	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 01-May-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 07-May-12	<b>Left in hole:</b> no	<b>Logged by:</b> Jillian Craig	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 09-Jun-13	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>				
<b>Comment:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
			<b>East:</b> 431348.82	<b>East:</b> 431349
			<b>North:</b> 5265408.65	<b>North:</b> 5265406
			<b>Elev.:</b> 394.14	<b>Elev.:</b> 411
			<b>Coordinate - Local</b>	<b>East:</b> 9900
				<b>North:</b> 7890
				<b>Elev.:</b> 411

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	333.00	-40.00	0	0	0	0	C	<input type="checkbox"/>	
21.00	327.90	-43.90	0	0	0	56360	Flexit	<input type="checkbox"/>	
36.00	332.90	-40.00	0	0	0	55290	Flexit	<input checked="" type="checkbox"/>	
71.00	333.70	-39.50	0	0	0	55980	Flexit	<input checked="" type="checkbox"/>	
102.00	335.20	-37.60	0	0	0	0	Flexit	<input checked="" type="checkbox"/>	
150.00	337.90	-35.80	0	0	0	55870	Flexit	<input checked="" type="checkbox"/>	
200.00	338.70	-36.70	0	0	0	56470	Flexit	<input checked="" type="checkbox"/>	
250.00	339.30	-34.10	0	0	0	56290	Flexit	<input checked="" type="checkbox"/>	
295.75	344.70	-27.00	0	0	0	55630	Flexit	<input checked="" type="checkbox"/>	



**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00025**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
0.00	13.00	<b>OB Overburden</b>										
13.00	40.80	<b>IMDIA Diabase</b>	GRBLK									
<p>Dark Grey-Black Diabase Dyke. Magnetic. Medium grained texture with a lower ~2m long very fine grained chill margin. &lt;1% occasional subrounded anhedral 0.5-2cm long light green epidote altered feldspar phenocrysts. Weakly fractured commonly near 50 and 45 degrees to core axis but also near 65 degrees to core axis. Fracturing is more abundant from ~28 to 34.50m with a possible fault indicated by the rubbly/fractured state of the core. Minor hairline carbonate and chlorite veinlets filling few healed fractures. Trace disseminated pyrite. Sharp lower contact ~45 degrees to core axis.</p>												
<p><b>Mineralization Maj. :</b>    <b>Type/Style/%Mineral</b>    <b>Comment</b></p> <p>13.00 - 40.80            Py DIS 0.05            Pyrite, Disseminated, 0.05%</p>												
<p><b>Structure Maj.:</b>            <b>Inte/Type/Core Angle</b>    <b>Comment</b></p> <p>13.00 - 29.00            FAC                            Dyke</p> <p>13.00 - 29.00            FAC 45                        Fractured, 45° CA</p> <p>13.00 - 29.00            FAC 65                        Fractured, 65° CA</p> <p>13.00 - 29.00            DYK                            Dyke</p> <p>29.00 - 34.50            MS BC                        Broken Core</p> <p>29.00 - 34.50            MS RB                        Rubble</p> <p>29.00 - 34.50            MS FAC                       Fractured</p> <p>34.50 - 40.80            WM CTL 45                   Lithological Contact, 45° CA, lower</p> <p>34.50 - 40.80            WM FAC 55                   Fractured, 55° CA</p> <p>34.50 - 40.80            WM FAC 45                   Fractured, 45° CA</p>												
<p><b>Texture Maj:</b>            <b>Type</b>                        <b>Comment</b></p> <p>13.00 - 39.00            MG                            Medium Grained(1-5mm)</p>												

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	39.00 - 40.80	FG	Fine Grained (<1mm)									
40.80	239.00	<b>IITNL Tonalite</b> <b>T</b>	GY	205345	42.00	43.00	1.00	<0	-	<0.01	-	-
		Altered Tonalite. Grey to pink in colour. Non-magnetic. Medium grained texture. From 40.80m to 53.90m the tonalite is dark grey and strongly chlorite altered with minor patchy albite alteration along fractures. This section also hosts moderate interstitial biotite throughout, weak to very weak epidote alteration of feldspar and along fractures is also noted as well as patchy hematite staining of feldspars in some areas. A 2cm thick quartz vein at ~70 deg tca at 44.20m hosts ~0.2% cpy. Between 40.80 to 53.90m there are several thin carbonate, qtz-carb, qtz and epidote veins/veinlets (~1-2%) throughout at moderate to steep angles to core axis with tr to 0.1% and minor rare fg cpy. At 54.45m there is a 1cm thick qtz-carb vn at ~45 deg tca hosting ~0.1% cpy. Beginning at 53.90m and intermittently throughout the tonalite hosts fractures and veinlets which commonly host a strongly silicified alteration halo. A weak to moderate strength pink to red coloured hematite altered zone is intersected from ~72m to 111.0m with chloritic fractures/stockworks and veinlets with strongly silicified alteration halos throughout hosting minor fg py (~0.1-0.2% fg py). From 111.0 to ~113.50m the tonalite hosts a section of magma mixing with fragments of subrounded to subangular diorite with diffuse margins (>30% frags). A zone of strongly biotite altered tonalite is intersected from ~133 to 137.10m with diffuse margins into the albite altered tonalite with patchy albite altered tonalite injections throughout. From 137.10 to 158.60m the tonalite is mainly light pink to light grey with stockworks throughout consisting of thin chloritic veinlets/fractures as well as thin quartz veinlets with chloritic and sericitic altered halos with minor fg py as well as minor fg py within the veins and fractures themselves. From ~158.60 to 170m the tonalite is pink to light grey, hematite altered with fewer stockwork fractures and veinlets with sericitized altered halos. A zone of more intense stockworks is intersected from 170 to 176m with minor fg py in stockworks/altered halos as fg py. Occasional stockworks with sericitized halos is intersected from 176m to 192m with moderate to strong clotty and interstitial biotite and several <1cm sized subrounded biotite clots as well as albite and hematite alteration. Clotty biotite continues from ~174 to 239m. Another zone of moderate stockwork mineralization is intersected from ~207.50m to 215.50m with chloritic fractures hosting fg py with a sericitized alteration halo to small sections of pervasive sericite alteration. A pervasive zone of sericite alteration is intersected from ~214 to 215m with ~1.2% py with a 2cm thick white qtz-carb vein at 65 deg tca that hosts 17 tiny specks of VG with ~0.7% fg granular py and ~0.35% cpy. Another zone of heightened stockwork mineralization is intersected from ~220 to 239m, with chloritic fractures and quartz veinlets with silicified and sericitized alteration halos hosting ~0.15-0.2% fg py. A small 1.5cm long bleb of fg moly is found in a quartz vein at 231.95m at ~75 deg tca. Mineralization mainly confined within fractures and veins (stockwork mineralization) throughout the unit. Lower contact is sharp at ~40-45 deg tca.		205346	43.00	44.00	1.00	0	-	0.01	-	-
				205347	44.00	45.00	1.00	0	-	0.03	-	-
				205348	45.00	46.00	1.00	<0	-	<0.01	-	-
				205349	46.00	47.00	1.00	<0	-	<0.01	-	-
				205350	47.00	48.00	1.00	<0	-	<0.01	-	-
				205352	48.00	49.00	1.00	<0	-	<0.01	-	-
				205353	49.00	50.00	1.00	0	-	0.01	-	-
				205354	50.00	51.00	1.00	0	-	0.01	0.01	-
				205355	51.00	52.00	1.00	0	-	0.01	-	-
				205356	52.00	53.00	1.00	0	-	0.01	-	-
				205357	53.00	54.00	1.00	0	-	0.01	-	-
				205358	54.00	55.00	1.00	<0	-	<0.01	-	-
				205359	55.00	56.00	1.00	<0	-	<0.01	-	-
				205360	56.00	57.00	1.00	<0	-	<0.01	-	-
				205361	57.00	58.00	1.00	<0	-	<0.01	-	-
				205362	58.00	59.00	1.00	<0	-	<0.01	-	-
				205364	88.00	89.00	1.00	<0	-	<0.01	0.01	-
				205365	89.00	90.00	1.00	<0	-	<0.01	-	-
				205366	90.00	91.00	1.00	<0	-	<0.01	-	-
				205367	91.00	92.00	1.00	0	-	0.01	-	-
				205368	92.00	93.00	1.00	0	-	0.01	-	-
				205369	93.00	94.00	1.00	<0	-	<0.01	-	-
				205370	94.00	95.00	1.00	0	-	0.01	-	-

**Alteration Maj:            Type/Style/Intensity            Comment**

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40.80 - 53.90		BIO IS 3	Biotitization, Interstitial, Moderate	205371	95.00	96.00	1.00	<0	-	<0.01	-	-
40.80 - 53.90		CL IS 4	Chloritization, Interstitial, Strong	205372	96.00	97.00	1.00	<0	-	<0.01	-	-
40.80 - 53.90		EP FRC 2	Epidotization, Along Fractures, Weak	205373	97.00	98.00	1.00	<0	-	<0.01	-	-
40.80 - 53.90		HM SPT 2	Hematization, Spotty/Patchy, Weak	205374	98.00	99.00	1.00	<0	-	<0.01	<0.01	-
53.90 - 60.00		SI FRC 4	Silicification, Along Fractures, Strong	205375	99.00	100.00	1.00	<0	-	<0.01	-	-
53.90 - 60.00		HM AFG 3	Hematization, Alteration of feldspar grains, Moderate	205377	100.00	101.00	1.00	<0	-	<0.01	-	-
53.90 - 60.00		BIO IS 3	Biotitization, Interstitial, Moderate	205378	101.00	102.00	1.00	<0	-	<0.01	-	-
53.90 - 60.00		EP FRC 2	Epidotization, Along Fractures, Weak	205379	102.00	103.00	1.00	<0	-	<0.01	-	-
60.00 - 72.00		HM SPT 2	Hematization, Spotty/Patchy, Weak	205380	103.00	104.00	1.00	<0	-	<0.01	-	-
60.00 - 72.00		BIO IS 3	Biotitization, Interstitial, Moderate	205381	128.25	129.25	1.00	<0	-	<0.01	-	-
60.00 - 72.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205382	129.25	130.25	1.00	<0	-	<0.01	-	-
72.00 - 112.00		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205383	130.25	131.15	0.90	0	-	0.01	-	-
72.00 - 112.00		SI FRC 4	Silicification, Along Fractures, Strong	205384	131.15	132.00	0.85	<0	-	<0.01	<0.01	-
72.00 - 112.00		BIO IG 2	Biotitization, Intergranular, Weak	205385	132.00	133.00	1.00	<0	-	<0.01	-	-
72.00 - 112.00		HM PV 3	Hematization, Pervasive, Moderate	205386	133.00	134.00	1.00	<0	-	<0.01	-	-
112.00 - 114.50		BIO IS 3	Biotitization, Interstitial, Moderate	205389	134.00	135.00	1.00	<0	-	<0.01	-	-
112.00 - 114.50		HM SPT 1	Hematization, Spotty/Patchy, Very weak	205390	135.00	136.00	1.00	<0	-	<0.01	-	-
112.00 - 114.50		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205391	136.00	137.10	1.10	<0	-	<0.01	-	-
112.00 - 114.50		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205392	137.10	138.00	0.90	<0	-	<0.01	-	-
114.50 - 118.00		BIO IS 4	Biotitization, Interstitial, Strong	205393	138.00	139.00	1.00	<0	-	<0.01	-	-
114.50 - 118.00		BIO IS 4	Biotitization, Interstitial, Strong	205394	139.00	140.00	1.00	<0	-	<0.01	0.01	-
114.50 - 118.00		CL IS 2	Chloritization, Interstitial, Weak	205395	140.00	141.00	1.00	<0	-	<0.01	-	-
114.50 - 118.00		HM AFG 3	Hematization, Pervasive, Moderate	205396	141.00	142.00	1.00	<0	-	<0.01	-	-
114.50 - 118.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205397	142.00	143.00	1.00	<0	-	<0.01	-	-
118.00 - 123.50		SI FRC 4	Silicification, Along Fractures, Strong	205398	143.00	144.00	1.00	<0	-	<0.01	-	-
118.00 - 123.50		HM PV 3	Hematization, Pervasive, Moderate	205399	144.00	145.00	1.00	<0	-	<0.01	-	-
118.00 - 123.50		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205400	145.00	146.00	1.00	<0	-	<0.01	-	-

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118.00 - 123.50		BIO IS 4	Biotitization, Interstitial, Strong	205402	146.00	147.00	1.00	<0	-	<0.01	-	-
123.50 - 126.15		CL IS 3	Chloritization, Interstitial, Moderate	205403	147.00	148.00	1.00	<0	-	<0.01	-	-
123.50 - 126.15		EP SPT 1	Epidotization, Spotty/Patchy, Very weak	205404	148.00	149.00	1.00	<0	-	<0.01	<0.01	-
123.50 - 126.15		HM AFG 1	Hematization, Alteration of feldspar grains, Very weak	205405	149.00	150.00	1.00	<0	-	<0.01	-	-
123.50 - 126.15		BIO IS 5	Biotitization, Interstitial, Intense	205406	150.00	151.00	1.00	<0	-	<0.01	-	-
126.15 - 126.90		HM AFG 2	Hematization, Alteration of feldspar grains, Weak	205407	151.00	152.00	1.00	<0	-	<0.01	-	-
126.15 - 126.90		EP SPT 1	Epidotization, Spotty/Patchy, Very weak	205408	152.00	153.00	1.00	<0	-	<0.01	-	-
126.15 - 126.90		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205409	153.00	154.00	1.00	0	-	0.01	-	-
126.15 - 126.90		BIO IS 2	Biotitization, Interstitial, Weak	205410	154.00	155.00	1.00	<0	-	<0.01	-	-
126.15 - 126.90		BIO IS 2	Biotitization, Interstitial, Weak	205411	155.00	156.00	1.00	<0	-	<0.01	-	-
128.30 - 133.00		HM AFG 2	Hematization, Alteration of feldspar grains, Weak	205412	156.00	157.00	1.00	<0	-	<0.01	-	-
128.30 - 133.00		EP SP 1	Epidotization, Along Shear Planes, Very weak	205414	157.00	158.00	1.00	<0	-	<0.01	<0.01	-
128.30 - 133.00		BIO IS 2	Biotitization, Interstitial, Weak	205415	158.00	159.00	1.00	0	-	0.01	-	-
128.30 - 133.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205416	170.00	171.00	1.00	<0	-	<0.01	-	-
133.00 - 137.10		AB SPT 2	Albitization, Spotty/Patchy, Weak	205417	171.00	172.00	1.00	0	-	0.01	-	-
133.00 - 137.10		BIO IS 4	Biotitization, Interstitial, Strong	205419	172.00	173.00	1.00	<0	-	<0.01	-	-
133.00 - 137.10		CL IS 3	Chloritization, Interstitial, Moderate	205420	173.00	174.00	1.00	0	-	0.01	-	-
133.00 - 137.10		CL IS 3	Chloritization, Interstitial, Moderate	205421	174.00	175.00	1.00	<0	-	<0.01	-	-
137.10 - 154.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205422	175.00	176.00	1.00	<0	-	<0.01	-	-
137.10 - 154.00		SI FP 4	Silicification, Along Foliation Planes, Strong	205423	185.00	186.00	1.00	<0	-	<0.01	-	-
137.10 - 154.00		SR FRC 2	Sericitization, Along Fractures, Weak	205424	186.00	187.00	1.00	<0	-	<0.01	<0.01	-
137.10 - 154.00		HM AFG 2	Hematization, Alteration of feldspar grains, Weak	205425	187.00	188.00	1.00	<0	-	<0.01	-	-
154.00 - 170.00		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205427	188.00	189.00	1.00	<0	-	<0.01	-	-
154.00 - 170.00		SR FRC 2	Sericitization, Along Fractures, Weak	205428	189.00	190.00	1.00	<0	-	<0.01	-	-
154.00 - 170.00		BIO IS 3	Biotitization, Interstitial, Moderate	205429	190.00	191.00	1.00	<0	-	<0.01	-	-
154.00 - 170.00		HM AFG 2	Hematization, Alteration of feldspar grains, Weak	205430	207.90	209.00	1.10	<0	-	<0.01	-	-
170.00 - 176.00		SR SPT 2	Sericitization, Spotty/Patchy, Weak	205431	209.00	210.00	1.00	<0	-	<0.01	-	-

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170.00 - 176.00		SR FRC 3	Sericitization, Along Fractures, Moderate	205432	210.00	211.00	1.00	<0	-	<0.01	-	-
170.00 - 176.00		BIO IS 3	Biotitization, Interstitial, Moderate	205433	211.00	212.00	1.00	<0	-	<0.01	-	-
170.00 - 176.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	205434	212.00	213.00	1.00	<0	-	<0.01	<0.01	-
176.00 - 192.00		BIO CLTS 4	Biotitization, Clots, Strong	205435	213.00	214.00	1.00	<0	-	<0.01	-	-
176.00 - 192.00		EP FRC 2	Epidotization, Along Fractures, Weak	205436	214.00	215.00	1.00	19	-	25.04	-	-
176.00 - 192.00		SR FRC 2	Sericitization, Along Fractures, Weak	205437	215.00	216.00	1.00	<0	-	<0.01	-	-
176.00 - 192.00		SR FRC 2	Sericitization, Along Fractures, Weak	205439	216.00	217.00	1.00	0	-	0.01	-	-
176.00 - 192.00		HM AFG 2	Hematization, Alteration of feldspar grains, Weak	205440	217.00	218.00	1.00	<0	-	<0.01	-	-
192.00 - 210.90		SR FRC 1	Sericitization, Along Fractures, Very weak	205441	218.00	219.00	1.00	<0	-	<0.01	-	-
192.00 - 210.90		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205442	219.00	220.00	1.00	<0	-	<0.01	-	-
192.00 - 210.90		BIO CLTS 4	Biotitization, Clots, Strong	205443	220.00	221.00	1.00	<0	-	<0.01	-	-
192.00 - 210.90		HM AFG 2	Hematization, Alteration of feldspar grains, Weak	205444	221.00	222.00	1.00	<0	-	<0.01	<0.01	-
210.90 - 215.50		HM AFG 2	Hematization, Alteration of feldspar grains, Weak	205446	222.00	223.00	1.00	<0	-	<0.01	-	-
210.90 - 215.50		SR SPT 3	Sericitization, Spotty/Patchy, Moderate	205447	223.00	224.00	1.00	<0	-	<0.01	-	-
210.90 - 215.50		SR FRC 3	Sericitization, Along Fractures, Moderate	205448	224.00	225.00	1.00	<0	-	<0.01	-	-
210.90 - 215.50		BIO IS 4	Biotitization, Interstitial, Strong	205449	225.00	226.00	1.00	<0	-	<0.01	-	-
210.90 - 215.50		BIO IS 4	Biotitization, Interstitial, Strong	205450	226.00	227.00	1.00	<0	-	<0.01	-	-
215.50 - 220.00		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205452	227.00	228.00	1.00	<0	-	<0.01	-	-
215.50 - 220.00		BIO CLTS 4	Biotitization, Clots, Strong	205453	228.00	229.00	1.00	<0	-	<0.01	-	-
215.50 - 220.00		HM AFG 1	Hematization, Alteration of feldspar grains, Very weak	205454	229.00	230.00	1.00	<0	-	<0.01	<0.01	-
215.50 - 220.00		SR FRC 1	Sericitization, Along Fractures, Very weak	205455	230.00	231.00	1.00	<0	-	<0.01	-	-
220.00 - 239.00		SR FRC 3	Sericitization, Along Fractures, Moderate	205456	231.00	232.00	1.00	<0	-	<0.01	-	-
220.00 - 239.00		SI FRC 4	Silicification, Along Fractures, Strong	205457	232.00	233.00	1.00	<0	-	<0.01	-	-
220.00 - 239.00		BIO BNDS 4	Biotitization, Bands/Banded, Strong	205458	233.00	234.00	1.00	<0	-	<0.01	-	-
220.00 - 239.00		SR SPT 2	Sericitization, Spotty/Patchy, Weak	205459	234.00	235.00	1.00	<0	-	<0.01	-	-
220.00 - 239.00		SR SPT 2	Sericitization, Spotty/Patchy, Weak	205460	235.00	236.00	1.00	<0	-	<0.01	-	-
<b>Mineralization Maj. :</b>		<b>Type/Style/%Mineral</b>	<b>Comment</b>									
40.80 - 44.00		Py FAC 0.1	Pyrite, Fracture-controlled, 0.1%	205461	236.00	237.00	1.00	<0	-	<0.01	-	-

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Project: **COTE GOLD**

Project Number: **001**

<i>From (m)</i>	<i>To (m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppm)</i>	<i>AV Au (ppm)</i>	<i>FA Au (ppm)</i>	<i>FA2 Au (ppm)</i>	<i>FA3 Au (ppm)</i>
	44.00 - 45.00	Py FAC 0.1	Pyrite, Fracture-controlled, 0.1%	205462	237.00	238.00	1.00	<0	-	<0.01	-	-
	44.00 - 45.00	Cpy VN 0.2	Chalcopyrite, Vein-controlled, 0.2%	205464	238.00	239.00	1.00	<0	-	<0.01	<0.01	-
239.00	243.45	<b>IIDR Diorite</b>	DGR	205465	239.00	240.00	1.00	<0	-	<0.01	-	-
		Dark Green Diorite Dyke. Non-magnetic. Fine to medium grained texture. Melanocratic. Pervasive moderate strength chlorite alteration. ~0.5m long upper and lower fine grained chill margins at contact area. First ~1m of diorite unit hosts several carbonate and qtz-carb veins at moderate angles to core axis with minor fg py and tr cpy. Several thin veinlets of carbonate, carbonate-hematite and qtz-carb are intersected thereafter and are typically at ~45 deg tca and 1cm or less in thickness. Sulphides are mainly hosted within veinlets with ~0.25% py and tr cpy. A 4cm section of fault gouge is intersected at the lower contact of the dyke at ~45 deg tca with a very fissile clayey texture. This fault gouge is followed immediately by a 35cm long section of qtz and qtz-chl veining. Lower contact follows fault gouge at contact with the vein at ~45 deg tca.		205466	240.00	241.00	1.00	<0	-	<0.01	-	-
				205467	241.00	242.00	1.00	0	-	0.03	-	-
				205468	242.00	243.45	1.45	<0	-	<0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		239.00 - 243.45	CL PV 3	Chloritization, Pervasive, Moderate								
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		239.00 - 243.45	Cpy VN 0.05	Chalcopyrite, Vein-controlled, 0.05%								
		239.00 - 243.45	Py VN 0.25	Pyrite, Vein-controlled, 0.25%								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
		239.00 - 239.70	FOL	Foliated								
		239.00 - 239.70	CTL 45	Lithological Contact, 45° CA								
		239.00 - 239.70	DYK	Dyke								
		239.70 - 243.40	DYK	Dyke								
		243.40 - 243.45	CTL 45	Lithological Contact, 45° CA								
		243.40 - 243.45	FLTD	Faulted								
		243.40 - 243.45	GOUGE 45	Fault Gouge, 45° CA								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
		239.00 - 240.00	FG	Fine Grained (<1mm)								
		240.00 - 242.70	MG	Medium Grained(1-5mm)								
		242.70 - 243.45	FG	Fine Grained (<1mm)								
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
		239.00 - 243.45	FPV 25 45 60	QCV	Quartz-Calcite Vein, 60%							

## LITHOLOGY REPORT - Detailed -

Hole Number **CL12-00025**

Project: **COTE GOLD**

Project Number: **001**

<i>From (m)</i>	<i>To (m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppm)</i>	<i>AV Au (ppm)</i>	<i>FA Au (ppm)</i>	<i>FA2 Au (ppm)</i>	<i>FA3 Au (ppm)</i>
	239.00 - 243.45	FPV 25 45 40 CBV	Carbonate Vein, 40%, 45° CA									
243.45	295.75	<b>IITNL Tonalite T</b>	PI	205469	243.45	244.95	1.50	<0	-	<0.01	-	-
		Altered Tonalite. Light grey to light pink in colour. Non-magnetic. Medium grained texture. Pervasive weak to moderate interstitial biotite. Localized narrow stockworks along fractures and veins with silicification and sericitization along fractures and veins with fg py (~0.2%) and tr cpy. Stockworks are mainly at moderate to steep angles to core axis. A strongly silicified zone is intersected from ~292.50 to 293.50m. End of hole is 295.75m.		205471	244.95	246.00	1.05	0	-	0.02	-	-
				205472	246.00	247.00	1.00	0	-	0.01	-	-
				205473	247.00	248.00	1.00	0	-	0.01	-	-
				205474	248.00	249.00	1.00	<0	-	<0.01	<0.01	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>	205475	249.00	250.00	1.00	<0	-	<0.01	-
	243.45 - 246.00	AB AFG 2		Albitization, Alteration of feldspar grains, Weak	205477	250.00	251.00	1.00	0	-	0.01	-
	243.45 - 246.00	BIO IS 2		Biotitization, Interstitial, Weak	205478	251.00	252.00	1.00	0	-	0.01	-
	243.45 - 246.00	SR PV 3		Sericitization, Pervasive, Moderate	205479	252.00	253.00	1.00	0	-	0.02	-
	246.00 - 255.00	BIO IS 2		Biotitization, Interstitial, Weak	205480	253.00	254.00	1.00	0	-	0.01	-
	246.00 - 255.00	SR FRC 2		Sericitization, Along Fractures, Weak	205481	254.00	255.00	1.00	<0	-	<0.01	-
	246.00 - 255.00	HM AFG 2		Hematization, Alteration of feldspar grains, Weak	205482	255.00	256.00	1.00	0	-	0.01	-
	246.00 - 255.00	SI FRC 4		Silicification, Along Fractures, Strong	205483	256.00	257.00	1.00	0	-	0.01	-
	255.00 - 268.30	SR FRC 4		Sericitization, Along Fractures, Strong	205484	257.00	258.00	1.00	<0	-	<0.01	0.01
	255.00 - 268.30	SI FRC 4		Silicification, Along Fractures, Strong	205485	258.00	259.00	1.00	<0	-	<0.01	-
	255.00 - 268.30	BIO IS 3		Biotitization, Interstitial, Moderate	205486	259.00	260.00	1.00	<0	-	<0.01	-
	268.30 - 269.50	HM AFG 2		Hematization, Alteration of feldspar grains, Weak	205487	260.00	261.00	1.00	0	-	0.07	-
	268.30 - 269.50	AB AFG 3		Albitization, Alteration of feldspar grains, Moderate	205489	261.00	262.00	1.00	0	-	0.01	-
	268.30 - 269.50	BIO IS 2		Biotitization, Interstitial, Weak	205490	262.00	263.00	1.00	0	-	0.04	-
	269.50 - 289.30	BIO IS 3		Biotitization, Interstitial, Moderate	205491	263.00	264.00	1.00	0	-	0.01	-
	269.50 - 289.30	SR FRC 4		Sericitization, Along Fractures, Strong	205492	264.00	265.00	1.00	<0	-	<0.01	-
	269.50 - 289.30	HM SPT 1		Hematization, Spotty/Patchy, Very weak	205493	265.00	266.00	1.00	0	-	0.01	-
	269.50 - 289.30	SI FRC 4		Silicification, Along Fractures, Strong	205494	266.00	267.00	1.00	<0	-	<0.01	<0.01
	269.50 - 289.30	SI FRC 4		Silicification, Along Fractures, Strong	205495	267.00	268.00	1.00	<0	-	<0.01	-
	269.50 - 289.30	SI FRC 4		Silicification, Along Fractures, Strong	205496	268.00	269.00	1.00	<0	-	<0.01	-

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00025**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
289.30 - 292.70		SR FRC 3	Sericitization, Along Fractures, Moderate	205497	269.00	270.00	1.00	<0	-	<0.01	-	-	
289.30 - 292.70		HM AFG 2	Hematization, Alteration of feldspar grains, Weak	205498	270.00	271.00	1.00	<0	-	<0.01	-	-	
289.30 - 292.70		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	205499	271.00	272.00	1.00	0	-	0.04	-	-	
289.30 - 292.70		BIO IS 2	Biotitization, Interstitial, Weak	242016	272.00	273.00	1.00	0	-	0.01	-	-	
292.70 - 293.50		SI PV 4	Silicification, Pervasive, Strong	242017	273.00	274.00	1.00	0	-	0.01	-	-	
292.70 - 293.50		AB FP 4	Albitization, Along Foliation Planes, Strong	242018	274.00	275.00	1.00	<0	-	<0.01	-	-	
292.70 - 293.50		HM AFG 2	Hematization, Alteration of feldspar grains, Weak	242019	275.00	276.00	1.00	<0	-	<0.01	-	-	
292.70 - 293.50		BIO IS 1	Biotitization, Interstitial, Very weak	242020	276.00	277.00	1.00	0	-	0.14	-	-	
293.50 - 295.75		HM AFG 2	Hematization, Alteration of feldspar grains, Weak	242021	277.00	278.00	1.00	0	-	0.01	-	-	
293.50 - 295.75		SI FP 4	Silicification, Along Foliation Planes, Strong	242022	278.00	279.00	1.00	<0	-	<0.01	-	-	
293.50 - 295.75		SR FRC 3	Sericitization, Along Fractures, Moderate	242023	279.00	280.00	1.00	0	-	0.01	-	-	
293.50 - 295.75		BIO IS 2	Biotitization, Interstitial, Weak	242024	280.00	281.00	1.00	<0	-	<0.01	-	-	
293.50 - 295.75				242025	281.00	282.00	1.00	0	-	0.04	0.06	-	
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>	242027	282.00	283.00	1.00	<0	-	<0.01	-	-
243.45 - 271.00		Py VN 0.05	Pyrite, Vein-controlled, 0.05%	242028	291.50	292.50	1.00	0	-	0.01	-	-	
243.45 - 271.00		Py FAC 0.2	Pyrite, Fracture-controlled, 0.2%	242029	292.50	293.50	1.00	0	-	0.03	-	-	
271.00 - 272.00		Mo FAC 0.1	Molybdenite, Fracture-controlled, 0.1%	242030	293.50	294.50	1.00	<0	-	<0.01	-	-	



## QUALITY CONTROL REPORT

Hole Number **CL12-00025**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	
205351	STANDARD		OREAS 501	AccurAssay	-	-	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205363	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205376	STANDARD		OREAS 504	AccurAssay	-	-	1.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205387	FDUP	205365		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205388	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205401	STANDARD		OREAS 204	AccurAssay	-	-	1.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205418	FDUP	205396		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205413	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205426	STANDARD		OREAS 501	AccurAssay	-	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205445	FDUP	205423		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205438	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205451	STANDARD		OREAS 204	AccurAssay	-	-	0.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205470	FDUP	205448		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205463	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205476	STANDARD		OREAS 504	AccurAssay	-	-	1.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205488	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205500	FDUP	205478		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242026	STANDARD		OREAS 204	AccurAssay	-	-	1.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## DRILL HOLE REPORT

Hole Number: **CL12-00026**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 332	<b>Length:</b> 0	<b>Dimension:</b> BQTW	<b>Claim No.:</b> 546984	<b>Company:</b> IAMGOLD
<b>Dip:</b> -43	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 300	<b>Capped:</b> No	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 07-May-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 12-May-12	<b>Left in hole:</b> no	<b>Logged by:</b> Waleed Ahmad	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 15-Jun-12	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b>			
<b>Target:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
<b>Comment:</b> "sampl#178821-178825 interval 35-41 m are out of sequence waleed logged from start to 220m; jillian logged from 220 to EOH"			<b>East:</b> 431438.3	<b>East:</b> 431437
			<b>North:</b> 5265249	<b>North:</b> 5265251
			<b>Elev.:</b> 389.07	<b>Elev.:</b> 405
				<b>Coordinate - Local</b>
				<b>East:</b> 9900
				<b>North:</b> 7700
				<b>Elev.:</b> 405

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	332.00	-43.00	0	0	0	0	C	<input type="checkbox"/>	
50.00	332.10	-42.80	0	0	0	55990	Flexit	<input checked="" type="checkbox"/>	
102.00	334.40	-41.30	0	0	0	55850	Flexit	<input checked="" type="checkbox"/>	
150.00	335.10	-39.30	0	0	0	56190	Flexit	<input checked="" type="checkbox"/>	
207.00	334.60	-39.00	0	0	0	55290	Flexit	<input checked="" type="checkbox"/>	
255.00	344.10	-37.50	0	0	0	55660	Flexit	<input checked="" type="checkbox"/>	
300.00	345.10	-36.90	0	0	0	55620	Flexit	<input checked="" type="checkbox"/>	

## LITHOLOGY REPORT - Detailed -

Hole Number **CL12-00026**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
0.00	12.40	<b>OB Overburden</b> 60% broken rubble small pices and 40% core boulders of tonalite	GY									
12.40	117.63	<b>IITNL Tonalite</b> <b>T</b> Altered Tonalite:12.40-28 m. Light greyish, massive, medium grained , granular moderate biotite, chlorite altered and moderate to low silicified, feldspathized.very weak to non hematized. Grain boundries of Qtz-plag 80% with biotite , chlorite 20% weakly altered.interval 18-19 m band silicified, and sericite altered with small quartz veinlets with hairline py 0.5% veinlets. 17-20 m samples. Altered tonalite 28-31 m is light greyish strongly silicified and sericite altered with local veinlets and dissemination of py0.5-2%. The inetrvl 29-30 m#178807 is duplicate for #178829 is astrongly foliated sodic altered tonalite with local veins layers of pyrite 2% 35-37 m is also silcified, sericitized tonalite, including 36-37.40 m intensely silicified, sericitized contains 0.5-2% pyrite with small 40 cm mafic dyke band from 36.42-36.84 m. Interval 35-38 m samples with sample # s out of order178820-1778822. The altered tonalite 38-67 m is light to dark greyish, moderately silicified , weakly albitized and chlorite altered, very weak hematized.local mineralized bands 42-45.53 m and 52-55 m intervals sampled.The inetrvl 42-43 m strongly silicified and sericitized, contains layers and veinlets of pyrrhotite 1-3% and py 0.5%. Interval 44-44.53 m is mafic dyke with 0.5-1% pyrite. The sample 51-52 m has got blebby diss 0.5% pyrite. The inetrvl 53-54 m is silicified, with calcite chlorite veining , layers trace-0.2% py. The altered tonalite 62-64 m is madium grained moderately silicified, albitized and chlorite, biotite altered . The inetrvl cotains narrow pyrite veinlets 0.5% between 62.95-63 m The interval 62.95-64 m # 178827 is DUPLICATE for #178849. The 69.25-70.50 m is massive dark greenish mafic dyke, with sharp upper contact at 45°LCA and lower very gentle tapering contact at 5° to parallel to LCA. The interval 80-80.90 m is altered tonalite with massive white quartz vein 45 cm wide with 3-5 cm wide 10-15% patches of calcite feldspar biotite sericite.The core is broken at the contact with tonalite. The inetrvl latered tonalite 80.90-96.50 m is medium grained, massivevery weakly hematized, moderately silicified, feldspathized , chlorite and eidote altered.local quartz, calcite, amphibole, epidote veins 91.40-91.60 m The inetrvl 96.50-100.90 m is an altered medium grained intermediate dyke.(described under minor lithology)contains trace-0.5% pyrite. The inetrvl 96.50-107 m sampled. The inetrvl 103.20-105.90 m is fine grained massive mafic dyke.	GY	178801	17.00	18.00	1.00	0	-	0.02	-	-
				178802	18.00	19.00	1.00	0	-	0.01	-	-
				178803	19.00	20.00	1.00	0	-	0.01	-	-
				178805	27.00	28.00	1.00	<0	-	<0.01	-	-
				178806	28.00	29.00	1.00	0	-	0.08	-	-
				178807	29.00	30.00	1.00	0	-	0.11	-	-
				178808	30.00	31.00	1.00	0	-	0.01	-	-
				178820	35.00	36.00	1.00	<0	-	<0.01	0.01	-
				178821	36.00	37.20	1.20	0	-	0.01	-	-
				178822	37.20	38.00	0.80	0	-	0.02	-	-
				178823	38.00	39.00	1.00	0	-	0.01	-	-
				178824	39.00	40.00	1.00	0	-	0.07	-	-
				178825	40.00	41.00	1.00	0	-	0.04	-	-
				178809	41.00	42.00	1.00	0	-	0.06	-	-
				178810	42.00	43.00	1.00	0	-	0.42	0.34	-
				178811	43.00	44.00	1.00	0	-	0.01	-	-
				178812	44.00	44.53	0.53	<0	-	<0.01	-	-
				178813	44.53	45.53	1.00	<0	-	<0.01	-	-
				178814	50.00	51.00	1.00	0	-	0.01	-	-

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00026**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
		The altered tonalite 105.90-115 m is massive , medium grained tonalite, moderately silicified feldspathized and weakly hematized and epidotized.		178815	51.00	52.00	1.00	0	-	0.03	-	-
		Altered tonalite 115-117.63 m is medium grained, massive light greyish, greenish colored,moderately silicified, feldspathized, weakly epidotized and very weakly hematized.trace pyrite disseminated.sharp lower contact with altered mafic dyke.		178817	52.00	53.00	1.00	0	-	0.01	-	-
				178818	53.00	54.00	1.00	0	-	0.11	-	-
				178819	54.00	55.00	1.00	0	-	0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
12.40 - 28.00		AB GM 2		Albitization, Groundmass, Weak	178826	62.00	62.95	0.95	0	-	0.01	-
12.40 - 28.00		SI GM 2		Silicification, Groundmass, Weak	178827	62.95	64.00	1.05	<0	-	<0.01	-
12.40 - 28.00		CL IG 2		Chloritization, Intergranular, Weak and biotite	178828	64.00	65.00	1.00	<0	-	<0.01	-
12.40 - 28.00		SR IG 2		Sericitization, Intergranular, Weak	178830	79.00	80.00	1.00	0	-	0.01	0.01
12.40 - 28.00		SR IG 2		Sericitization, Intergranular, Weak	178832	80.00	80.90	0.90	0	-	0.02	-
28.00 - 32.00		SI GM 4		Silicification, Groundmass, Strong	178833	80.90	82.00	1.10	0	-	0.01	-
28.00 - 32.00		SR IG 4		Sericitization, Intergranular, Strong	178834	95.00	96.00	1.00	<0	-	<0.01	-
28.00 - 32.00		CL FP 3		Chloritization, Along Foliation Planes, Moderate	178835	96.00	96.50	0.50	<0	-	<0.01	-
28.00 - 32.00		CB FRC 2		Carbonatization, Along Fractures, Weak	178836	96.50	97.00	0.50	<0	-	<0.01	-
32.00 - 36.00		SR IG 3		Sericitization, Intergranular, Moderate	178837	97.00	98.00	1.00	0	-	0.01	-
32.00 - 36.00		CL IG 3		Chloritization, Intergranular, Moderate	178838	98.00	99.00	1.00	0	-	0.01	-
32.00 - 36.00		CL IG 3		Chloritization, Intergranular, Moderate	178839	99.00	100.00	1.00	0	-	0.01	-
32.00 - 36.00		SI GM 3		Silicification, Groundmass, Moderate	178840	100.00	100.90	0.90	<0	-	<0.01	<0.01
32.00 - 36.00		BIO IG 2		Biotitization, Intergranular, Weak	178842	100.90	102.00	1.10	0	-	0.01	-
36.00 - 37.20		SR PV 5		Sericitization, Pervasive, Intense	178843	102.00	103.20	1.20	<0	-	<0.01	-
36.00 - 37.20		AB GM 4		Albitization, Groundmass, Strong	178844	103.20	104.00	0.80	0	-	0.01	-
36.00 - 37.20		SI PV 5		Silicification, Pervasive, Intense	178845	104.00	105.00	1.00	<0	-	<0.01	-
36.00 - 37.20		CL IG 1		Chloritization, Intergranular, Very weak	178846	105.00	105.90	0.90	<0	-	<0.01	-
36.00 - 37.20		CL IG 1		Chloritization, Intergranular, Very weak	178847	105.90	107.00	1.10	<0	-	<0.01	-
37.20 - 42.00		SI GM 4		Silicification, Groundmass, Strong	178848	116.63	117.63	1.00	<0	-	<0.01	-

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Hole Number **CL12-00026**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
117.63	122.80	<b>IM Mafic Dyke</b>	GREBL	178850	117.63	119.00	1.37	<0	-	<0.01	<0.01	-
<p>Mafic Dyke. Light pistachio greenish grey to drak greyish black. Strongly foliated to banded, fine to medium grained. The part 117.63-119.50 m is moderately epidotized, and chlorite altered with pistachio greenish color. The part 119.50-120 m is band of 40% quartz vein and 60% altered tonalite which is silicified, carbonatized with biotite foliation.weak blebby pyrite 0.3%. The part of altered mafic dyke 120-122.80 m is dark grey to balck strongly foliated with biotite and carbonate alteration with biotite and calcite along foliation. The ground mass is composed of fine to medioum grained feldspar 50-60% with biotite20-30% carbonate 10-15% and epidote3-5% strongly foliated with blebby disseminated pyrite 0.2-0.5% along calcite biotite foliation/layering. Sharp upper and lower contacts with tonalite and sharp contacts with quartz vein+tonalite at 19.50-120 m @80° and 60° LCA. The dyke has been sampled for weak mineralization</p> <p>The inetrvl 117.63-119 m sample#178550 is DUPLICATE for#178572 is foliated epidotized mafic dyke with 0.2-0.5% py.</p>												
<p><b>Alteration Maj: Type/Style/Intensity Comment</b></p> <p>117.63 - 119.50 BIO FP 1 Biotitization, Along Foliation Planes, Very weak</p> <p>117.63 - 119.50 SI GM 2 Silicification, Groundmass, Weak</p> <p>117.63 - 119.50 CL IG 3 Chloritization, Intergranular, Moderate</p> <p>117.63 - 119.50 EP GM 4 Epidotization, Groundmass, Strong</p> <p>119.50 - 120.00 HM SPT 1 Hematization, Spotty/Patchy, Very weak</p> <p>119.50 - 120.00 BIO FRC 2 Biotitization, Along Fractures, Weak</p> <p>119.50 - 120.00 CB FRC 2 Carbonatization, Along Fractures, Weak</p> <p>119.50 - 120.00 SI GM 4 Silicification, Groundmass, Strong and quartz vein 40%</p> <p>120.00 - 122.80 EP GM 3 Epidotization, Groundmass, Moderate</p> <p>120.00 - 122.80 CL FP 2 Chloritization, Along Foliation Planes, Weak</p> <p>120.00 - 122.80 CB FRC 4 Carbonatization, Along Fractures, and veinlets, Strong</p> <p>120.00 - 122.80 BIO FP 4 Biotitization, Along Foliation Planes, Strong</p>												
<p><b>Mineralization Maj. : Type/Style/%Mineral Comment</b></p> <p>117.63 - 119.00 Py BLB 0.3 Pyrite, Blebs, 0.3%</p> <p>119.00 - 119.50 Py DIS 0.5 Pyrite, Disseminated, 0.5%</p>												

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	119.50 - 120.00	Py BLB 0.2	Pyrite, Blebs, 0.2%									
	120.00 - 122.80	Py DIS 0.2	Pyrite, Disseminated, 0.2%									
	<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
	117.63 - 122.80	CTL 45	Lithological Contact, 45° CA at 120 m									
	117.63 - 122.80	CTL 85	Lithological Contact, 85° CA at 119.50 m									
	117.63 - 122.80	CTL 60	Lithological Contact, 60° CA									
	117.63 - 122.80	CTL 25	Lithological lower Contact, 25° CA									
	117.63 - 122.80	LIN	Lineated									
	117.63 - 122.80	FOL 40	Foliated, 40° CA at 121.25 m									
	<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>									
	117.63 - 119.50	LAM	Laminated									
	117.63 - 119.50	PO	Porphyritic									
	117.63 - 119.50	MG	Medium Grained(1-5mm)									
	117.63 - 119.50	FG	Fine Grained (<1mm)									
	119.50 - 120.00	MAS	Massive									
	119.50 - 120.00	MG	Medium Grained(1-5mm)									
	120.00 - 122.80	PO	Porphyritic weakly									
	120.00 - 122.80	HT	Heterogeneous									
	120.00 - 122.80	MG	Medium Grained(1-5mm)									
	120.00 - 122.80	FG	Fine Grained (<1mm)									
	<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
	119.50 - 120.00	FACV 40 100 QV	Quartz Vein, 100%									
122.80	130.00	<b>IITNL Tonalite</b> T		178857	122.80	124.00	1.20	0	-	0.01	-	-
		Altered Tonalite.Light maroonish grey to pale yellow ,maroonish, medium grained, massive. Ground mass composed of quartz-plagioclase 70-85% with intergranular greenish amphibole, chlorite 15-20% and disseminated fine grained leucosene. The ground mass is variably silicified, epidotized and weakly hematized. Narrow quartz calcite hair line veins scattered 1-3%. Sharp upper contact with mafic dyke and lower contact with Diabase dyke at very low core angle 5°LCA.										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	122.80 - 130.00	LX IG 2	Leucoxene, Intergranular, Weak									
	122.80 - 130.00	HM GM 3	Hematization, Groundmass, Moderate									
	122.80 - 130.00	EP GM 3	Epidotization, Groundmass, Moderate									
	122.80 - 130.00	SI PV 3	Silicification, Pervasive, Moderate									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	122.80 - 124.00	Py DIS 0.2	Pyrite, Disseminated, 0.2%									
	124.00 - 130.00	Py DIS 0.1	Pyrite, Disseminated, 0.1%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	122.80 - 130.00	CTL 5	Lithological lower Contact, 5° CA									
	122.80 - 130.00	MAS	Massive									
	122.80 - 130.00	DYK 60	Dyke, 60° CA 2cm mafic vein at 127.87 m									
	122.80 - 130.00	QVN 60	Quartz Vein, 60° CA at 125.66 m									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
	122.80 - 130.00	HO	Homogeneous									
	122.80 - 130.00	IEQ	Inequigranular									
	122.80 - 130.00	MAS	Massive									
	122.80 - 130.00	MG	Medium Grained(1-5mm)									
130.00	182.50	<b>IMDIA Diabase</b>		GRBLK								
		Diabase Dyke. Dark black lighth blackish grey, fine to medium grained, massive.upper contact zone is fine grained chilled compared to lower bands onward from 140 m which generally medium grained. Ground mass composed of feldspar, amphibole, chlorite, biotite. Weakly feldspar porphyritic with sparse epidotized plagioclase phenocryst 1-2% from a few mm size to a cm across(glomeroporphyritic) generally weak to strongly magnetic. Locally weakly silicified and hematized.The lower contact is also very sharp and at very low angle 7-10° to LCA										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
	130.00 - 140.00	MAG GM 2	Magnetite, Groundmass, Weak									
	130.00 - 140.00	CL IG 2	Chloritization, Intergranular, Weak									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	130.00 - 140.00	EP GM 2	Epidotization, Groundmass, Weak									
	130.00 - 140.00	SI GM 1	Silicification, Groundmass, Very weak									
	140.00 - 172.00	EP GM 2	Epidotization, Groundmass, Weak									
	140.00 - 172.00	MAG GM 2	Magnetite, Groundmass, Weak									
	140.00 - 172.00	LX IG 2	Leucoxene, Intergranular, Weak									
	140.00 - 172.00	CL IG 3	Chloritization, Intergranular, Moderate									
	172.00 - 182.50	BIO GM 1	Biotitization, Groundmass, Very weak									
	172.00 - 182.50	EP GM 1	Epidotization, Groundmass, Very weak									
	172.00 - 182.50	MAG IG 2	Magnetite, Intergranular, Weak									
	172.00 - 182.50	SI GM 2	Silicification, Groundmass, Weak									
	<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>									
	130.00 - 172.00	Py BLB 0.1	Pyrite, Blebs, 0.1%									
	172.00 - 182.50	Py DIS 0.1	Pyrite, Disseminated, 0.1%									
	<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
	130.00 - 182.50	CTL 5	Lithological upper Contact, 5° CA									
	130.00 - 182.50	MAS	Massive									
	130.00 - 182.50	CTL 7	Lithological lower Contact, 7° CA									
	<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>									
	130.00 - 172.00	PO	Porphyritic feldspar pheno mm-1cm across									
	130.00 - 172.00	MAS	Massive									
	130.00 - 172.00	MG	Medium Grained(1-5mm)									
	130.00 - 172.00	FG	Fine Grained (<1mm)									
	172.00 - 182.50	PO	Porphyritic									
	172.00 - 182.50	MAS	Massive									
	172.00 - 182.50	FG	Fine Grained (<1mm)									



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<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
182.50	202.30	<b>IIQDR Quartz Diorite</b>	GY	178858	185.00	186.30	1.30	<0	-	<0.01	-	-
		Quartz diorite. Light greenish grey, medium grained, massive, salt peppertextured, granular. Ground mass composed of pale yellowish white palgioalse50-60% and local quartz7-12% greenish intergranular amphibole 15-125% and biotite 10-15% local bands are richer in mafics. The groundmass feldspar is weakly epidotized locally. The unit contains local bands feldspar porphyry/tonalite porphyry 186.30-188.50 m sheared, foliated, chloritized,biotitized, silicified, banded with sharp upper and lower contacts. Contains trace-0.5% pyrite.		178859	186.30	187.00	0.70	0	-	0.01	-	-
		The inetrvl 190-194.20 m is Lamprophyre dyke with sharp upper and lower contacts.		178860	187.00	188.50	1.50	<0	-	<0.01	0.01	-
				178861	188.50	190.00	1.50	0	-	0.01	-	-
				178862	201.00	202.30	1.30	0	-	0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
182.50 - 202.30		EP GM 2	Epidotization, Groundmass, Weak									
182.50 - 202.30		CL IG 2	Chloritization, Intergranular, Weak									
182.50 - 202.30		SI GM 2	Silicification, Groundmass, Weak									
182.50 - 202.30		AB GM 3	Albitization, Groundmass, Moderate									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
182.50 - 186.30		Py DIS 0.1	Pyrite, Disseminated, 0.1%									
188.50 - 202.30		Py DIS 0.1	Pyrite, Disseminated, 0.1%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
182.50 - 202.30		CTL 40	Lithological Contact, 40° CA at 188.50 m									
182.50 - 202.30		CTL 10	Lithological Contact, 10° CA at 186.30 m									
182.50 - 202.30		CTL 45	Lithological Contact, 45° CA at 194.20									
182.50 - 202.30		CTL 30	Lithological Contact, 30° CA at 190 m									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
182.50 - 186.30		IEQ	Inequigranular									
182.50 - 186.30		MAS	Massive									
182.50 - 186.30		MG	Medium Grained(1-5mm)									
188.50 - 190.00		IEQ	Inequigranular									
188.50 - 190.00		MAS	Massive									
188.50 - 190.00		MG	Medium Grained(1-5mm)									
194.20 - 202.30		IEQ	Inequigranular									
194.20 - 202.30		MG	Medium Grained(1-5mm)									
194.20 - 202.30		MAS	Massive									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
<b>Minor Interval:</b>												
186.30	188.50	IF <i>Felsic Intrusive</i>										
<p>Altered felsic Dyke. Light to dark greyish, fine to medium grained weakly porphyritic, strongly foliated banded sheared band. Silicified, sericitized and weakly hematized. The ground mass is fine grained quartzofeldspathic, with fine grained chlorite, biotite, epidote 5-10% feldspar phenocrysts. The lower part is banded and foliated. The upper and lower contacts are sharp at 20° and 35° respectively. Fine to medium grained disseminated subhedral pyrite 0.5-1%</p>												
<b>Alteration Min:</b>												
		<b>Type/Style/Intensity</b>	<b>Comment</b>									
186.30 - 188.50		AB GM 3	Albitization, Groundmass, Moderate									
186.30 - 188.50		HM SPT 2	Hematization, Spotty/Patchy, Weak									
186.30 - 188.50		CL SP 4	Chloritization, Along Shear Planes, S									
186.30 - 188.50		SI GM 4	Silicification, Groundmass, Strong									
<b>Mineralization Min:</b>												
		<b>Type/Style/%Mineral</b>	<b>Comment</b>									
186.30 - 188.50		Py VN 0.2	Pyrite, Vein-controlled, 0.2%									
186.30 - 188.50		Py DIS 0.5	Pyrite, Disseminated, 0.5%									
<b>Structure Min.:</b>												
		<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
186.30 - 188.50		FOL 20	Foliated, 20° CA at 187.85 m									
186.30 - 188.50		SHRD	Sheared									
186.30 - 188.50		LIN	Lineated									
186.30 - 188.50		CTL 35	Lithological Contact, 35° CA									
186.30 - 188.50		CTL 20	Lithological upper Contact, 20° CA									
<b>Texture Min:</b>												
		<b>Type</b>	<b>Comment</b>									
186.30 - 188.50		HT	Heterogeneous									
186.30 - 188.50		PO	Porphyritic									
186.30 - 188.50		FG	Fine Grained (<1mm)									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
<b>Minor Interval:</b>												
190.00	194.20	IMLA Lamprophyre MP										
Dark greenish grey to black, fine to medium grained , foliated with lathy biotite, streaks along foliation. The ground mass is fine grained feldspathic with fine grained amphibole , chlorite. Biotite, amphibole phenocryst 5-10% diorite xenolith 30 cm 191.20-191.50 m sharp upper and lower contacts.												
<b>Alteration Min:</b>												
		<b>Type/Style/Intensity</b>	<b>Comment</b>									
190.00 - 194.20		AB GM 2	Albitization, Groundmass, Weak									
190.00 - 194.20		CL FP 3	Chloritization, Along Foliation Planes									
190.00 - 194.20		BIO FP 2	Biotitization, Along Foliation Planes, '									
<b>Mineralization Min:</b>												
		<b>Type/Style/%Mineral</b>	<b>Comment</b>									
190.00 - 194.20		Py DIS 0.1	Pyrite, Disseminated, 0.1%									
<b>Structure Min.:</b>												
		<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
190.00 - 194.20		FOL 25	Foliated, 25° CA									
190.00 - 194.20		CTL 40	Lithological Contact, 40° CA									
190.00 - 194.20		CTL 35	Lithological Contact, 35° CA									
<b>Texture Min:</b>												
		<b>Type</b>	<b>Comment</b>									
190.00 - 194.20		PO	Porphyritic									
190.00 - 194.20		MG	Medium Grained(1-5mm)									
190.00 - 194.20		FG	Fine Grained (<1mm)									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
202.30	215.25	<b>IIDR Diorite</b>	GY	178863	202.30	203.00	0.70	0	-	0.01	-	-
		Altered Diorite. The unit in general is similar to above, but more sericitized, silicified, foliated in parts and bound on the upper contact by Lamprophyre/ altered mafic dyke 202.30-206.12 m and lower contact seperated from quartz eye diorite by Lamprophyre dyke 214.15-215.25 m.		178864	203.00	204.00	1.00	0	-	0.01	-	-
		The lamprophyre dykes are described under minor lithology.		178865	204.00	205.20	1.20	0	-	0.01	-	-
		The Altered diorite 206.12-210.25 m is light greyish, fine to medium grained, moderate to strongly foliated. carbonatized. sericite, biotite and chlorite altered, which impart foliation and layering to the fabric. Calcite make patches and layers among the altered bands. mg-cg pyrite make veins and blebs along foliation and veins 0.5-2%. The interval is ample for its mineralization. The upper contact at 206.12 and lower contact at 210.25 m with mafic dykes are sharp.		178867	205.20	206.12	0.92	<0	-	<0.01	-	-
		The 207-208 m interval sample #178869 is DUPLICATE for #178891 is altered, foliated diorite has got veinlets, disseminated and layers of pyrite 1-2%		178868	206.12	207.00	0.88	0	-	0.01	-	-
		The interval 210.25-211 m is greenish grey, fine grained, epidote, chlorite altered intermediate dyke.		178869	207.00	208.00	1.00	0	-	0.01	-	-
		The altered diorite 211-214.15 m is light greyish, medium grained massive, with disseminated 0.5-1% pyrite.		178870	208.00	209.00	1.00	0	-	0.01	0.01	-
				178871	209.00	210.25	1.25	<0	-	<0.01	-	-
				178873	210.25	211.00	0.75	<0	-	<0.01	-	-
				178874	211.00	212.00	1.00	<0	-	<0.01	-	-
				178875	212.00	213.00	1.00	<0	-	<0.01	-	-
				178876	213.00	214.15	1.15	<0	-	<0.01	-	-
				178877	214.15	215.25	1.10	<0	-	<0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		206.12 - 210.25	BIO FP 3	Biotitization, Along Foliation Planes, Moderate								
		206.12 - 210.25	AB GM 3	Albitization, Groundmass, Moderate								
		206.12 - 210.25	CL FP 3	Chloritization, Along Foliation Planes, Moderate								
		206.12 - 210.25	SR FP 4	Sericitization, Along Foliation Planes, Strong								
		211.00 - 214.15	SI GM 2	Silicification, Groundmass, Weak								
		211.00 - 214.15	BIO IG 3	Biotitization, Intergranular, Moderate								
		211.00 - 214.15	SR IG 2	Sericitization, Intergranular, Weak								
		211.00 - 214.15	AB GM 3	Albitization, Groundmass, Moderate								
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		206.12 - 207.00	Py DIS 0.5	Pyrite, Disseminated, 0.5%								
		206.12 - 207.00	Py VN 1	Pyrite, Vein-controlled, 1%								
		207.00 - 208.00	Py CLS 0.5	Pyrite, clusters/aggregates, 0.5%								
		207.00 - 208.00	Py VN 1.5	Pyrite, Vein-controlled, 1.5%								
		208.00 - 209.00	Py DIS 0.5	Pyrite, Disseminated, 0.5%								
		209.00 - 210.25	Py DIS 0.2	Pyrite, Disseminated, 0.2%								
		209.00 - 210.25	Py VN 0.5	Pyrite, Vein-controlled, 0.5%								

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	211.00 - 213.00	Py DIS 0.1	Pyrite, Disseminated, 0.1%									
	213.00 - 214.25	Py VN 0.5	Pyrite, Vein-controlled, 0.5%									
	<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
	206.12 - 210.25	CTL 20	Lithological lower Contact, 20° CA									
	206.12 - 210.25	FOL 20	Foliated, 20° CA									
	206.12 - 210.25	LIN	Lineated									
	211.00 - 214.15	CTL 35	Lithological lower Contact, 35° CA									
	211.00 - 214.15	CTL 20	Lithological upper Contact, 20° CA									
	211.00 - 214.15	MAS	Massive									
	<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>									
	206.12 - 210.25	LAM	Laminated									
	206.12 - 210.25	MG	Medium Grained(1-5mm)									
	206.12 - 210.25	FG	Fine Grained (<1mm)									
	211.00 - 214.25	IEQ	Inequigranular									
	211.00 - 214.25	MAS	Massive									
	211.00 - 214.25	MG	Medium Grained(1-5mm)									
<b>Minor Interval:</b>	202.30 - 205.20	IMLA Lamprophyre MP	Lamprophyre. Dark grey to black, fine to medium grained, chlorite biotite, calcite altered. biotite chlorite along foliation plans make 25-35% with calcite veining ground mas is 10-15% quartz calcite veins follow the foliation plans. The last part 204-205.20 m contains medium grained pyrite veinlets 0.5-2%									
	<b>Alteration Min:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>									
	202.30 - 205.20	CB FRC 4	Carbonatization, Along Fractures, Str									
	202.30 - 205.20	CL FP 3	Chloritization, Along Foliation Planes									
	202.30 - 205.20	BIO FP 4	Biotitization, Along Foliation Planes, :									
	<b>Mineralization Min:</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>									
	202.30 - 204.00	Py BLB 0.2	Pyrite, Blebs, 0.2%									
	204.00 - 205.20	Py DIS 0.5	Pyrite, Disseminated, 0.5%									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	204.00 - 205.20	Py VN 1	Pyrite, Vein-controlled, 1%									
		<b>Structure Min:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	202.30 - 205.20	CTL 35	Lithological lower Contact, 35° CA									
	202.30 - 205.20	CTL 30	Lithological upper Contact, 30° CA									
	202.30 - 205.20	SHRD	Sheared									
	202.30 - 205.20	LIN	Lineated									
	202.30 - 205.20	FOL 35	Foliated, 35° CA									
		<b>Texture Min:</b>	<b>Type</b>	<b>Comment</b>								
	202.30 - 205.20	LAM	Laminated									
	202.30 - 205.20	PO	Porphyritic with biotite and amphibole									
	202.30 - 205.20	MG	Medium Grained(1-5mm)									
	202.30 - 205.20	FG	Fine Grained (<1mm)									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
<b>Minor Interval:</b>												
205.20	206.12	IM <i>Mafic Intrusive</i>										
mafic Dyke. Drak greenish , fine to medium grained, foliated, chlorite, epidote altered.contains diorite xenolite 205.20-205.35 m.composed of feldspar amphibole, pyroxene, which are partly chloritized,epidotized.biotite, amphibole phenocrysts 2-5%. Disseminated pyrite 0.5%												
<b>Alteration Min:</b>												
<i>Type/Style/Intensity</i>												
<i>Comment</i>												
205.20 - 206.12		BIO FP 2										
205.20 - 206.12		EP GM 3										
205.20 - 206.12		CL FP 4										
<b>Mineralization Min:</b>												
<i>Type/Style/%Mineral</i>												
<i>Comment</i>												
205.20 - 206.12		Py DIS 0.3										
<b>Structure Min.:</b>												
<i>Inte/Type/Core Angle</i>												
<i>Comment</i>												
205.20 - 206.12		LIN										
205.20 - 206.12		FOL										
205.20 - 206.12		CTL 45										
205.20 - 206.12		CTL 60										
<b>Texture Min:</b>												
<i>Type</i>												
<i>Comment</i>												
205.20 - 206.12		MG										
205.20 - 206.12		PO										
205.20 - 206.12		FG										

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
<b>Minor Interval:</b>												
210.25	211.00	IM <i>Mafic Intrusive</i>										
light greenish grey, fine grained , weakly foliated, chloritized and carbonatized with calcite veinlets.sharp upper and lower contacts.												
<b>Alteration Min:</b>												
<b>Type/Style/Intensity</b>												
210.25 - 211.00		EP GM 2										
210.25 - 211.00		AB GM 3										
210.25 - 211.00		BIO FP 3										
210.25 - 211.00		CL FP 2										
<b>Mineralization Min:</b>												
<b>Type/Style/%Mineral</b>												
210.25 - 211.00		Py VN 0.2										
210.25 - 211.00		Py DIS 0.1										
<b>Structure Min.:</b>												
<b>Inte/Type/Core Angle</b>												
210.25 - 211.00		CTL 15										
210.25 - 211.00		CVN 20										
210.25 - 211.00		CTL 20										
<b>Texture Min:</b>												
<b>Type</b>												
210.25 - 211.00		LAM										
210.25 - 211.00		FG										



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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
<b>Minor Interval:</b>												
211.00	215.25	IMLA Lamprophyre MP										
dark greyish to brownish, fine to medium grained weakly biotite porphyritic. Carbonatized, biotite, chlorite altered. Biotite lathy phenocrysts randomly disseminated 5-7% sharp upper and lower contacts. Blebby pyrite trace-0.5% disseminated.												
<b>Alteration Min: Type/Style/Intensity Comment</b>												
211.00 - 215.25 CL FP 2 Chloritization, Along Foliation Planes												
211.00 - 215.25 BIO FP 3 Biotitization, Along Foliation Planes, I												
211.00 - 215.25 CB GM 4 Carbonatization, Groundmass, Stron												
<b>Mineralization Min: Type/Style/%Mineral Comment</b>												
211.00 - 215.25 Py DIS 0.5 Pyrite, Disseminated, 0.5%												
<b>Structure Min.: Inte/Type/Core Angle Comment</b>												
211.00 - 215.25 FOL 40 Foliated, 40° CA												
211.00 - 215.25 CTL 20 Lithological Contact, 20° CA												
211.00 - 215.25 CTL 35 Lithological Contact, 35° CA												
<b>Texture Min: Type Comment</b>												
211.00 - 215.25 LAM Laminated												
211.00 - 215.25 PO Porphyritic												
211.00 - 215.25 MG Medium Grained(1-5mm)												
211.00 - 215.25 FG Fine Grained (<1mm)												
215.25	224.60	IIQDR Quartz Diorite	GY	178878	215.25	216.00	0.75	<0	-	<0.01	-	-
Quartz diorite.( quartz eye diorite) Light greyish to greenish grey, medium to coarse grained, massive.												
Coarse grained bluish quartz grains 5-10% in plagiocalse 40-50%, amphibole, chlorite 20-30% ground mass. Disseminated leucoxene 3-5%. Local feldspathized bands veinlet 2-3%. Minor tr py. Tr to 0.1% py in veinlets.												
Waleed logged up to 220 m****												
Jillian logged the rest of the hole after 220m****												
Diffuse lower contact ~50 degrees to core axis.												
<b>Alteration Maj: Type/Style/Intensity Comment</b>												

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	215.25 - 224.60	LX SPT 2	Leucoxene, Spotty/Patchy, Weak									
	215.25 - 224.60	SI GM 2	Silicification, Groundmass, Weak									
	215.25 - 224.60	CL IG 3	Chloritization, Intergranular, Moderate									
	215.25 - 224.60	AB GM 3	Albitization, Groundmass, Moderate									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	215.25 - 224.60	Py BLB 0.1	Pyrite, Blebs, 0.1%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	215.25 - 224.60	QVN 50	Quartz Vein, 50° CA at 218.08 m									
	215.25 - 224.60	MAS	Massive									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
	215.25 - 224.60	IEQ	Inequigranular									
	215.25 - 224.60	PO	Porphyritic quartz eyes									
	215.25 - 224.60	CG	Coarse Grained (>5mm)									
	215.25 - 224.60	MG	Medium Grained(1-5mm)									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	220.00 - 224.60	VN 0.5 60 100 QV	Quartz Vein, 100%, 60° CA									
224.60	232.60	<b>IIMM Magma-mixing Breccia</b>										
		Light to Dark Grey Magma-Mixing unit. Non-magnetic. This unit consists of mingling sections of quartz-diorite and tonalite, going in and out of tonite/qtz-diorite over the length of this unit. Note that this magma-mixing is located between a quartz-diorite unit and eventually enters a tonalite unit at depth. The quartz-diorite portion of this unit accounts for ~35% of the unit, the remainder being lighter grey tonalite with interstitial biotite. The quartz-diorite composition varies and hosts less obvious quartz-eyes and more of a continuous sized grain of quartz, comperable to a tonalite, the amount of quartz in the quartz-diorite appears to increase with depth with a more homogeneous texture. At ~232.30m there is a ~10cm long subrounded xenolith of diorite. The tonalite is largely ablite, hematite and biotite altered throughout with more abundant chlorite at depth. The tonalite throughout the unit is a lighter grey-pink colour than that at depth, its possible that this is the tonalite II unit with tonalite I at depth as in places it appears that the lighter grey tonalite II intrudes the medium grey tonalite I. Pehaps this mixing unit does not consist of quartz-rich quartz-diorite but rather tonalite I being intruded by tonalite II??? The visual compositional similarities between the medium grey tonalite and the quartz-diorite are vast and make this difficult to decipher. Contacts between the qtz-diorite and tonalite are diffuse at moderate to steep angles to core axis. Hairline fractures and veinlets are found throughout with silicified alteration halos. <1% thin quartz	GY	178882	224.60	225.60	1.00	0	-	0.01	-	-
				178883	225.60	226.60	1.00	<0	-	<0.01	-	-
				178884	226.60	227.60	1.00	<0	-	<0.01	-	-

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<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
<p>veins are found at moderate to steep angles to core axis with nil to tr py. Mineralization is overall weak with ~0.1% fracture controlled py and typically tr py in few veins. Lower contact appears to be near 232.60m following a diorite xenolith where the texture and composition appear to be more homogeneous tonalite.</p>												
<b>Alteration Maj:</b>		<b>Type/Style/Intensity</b>	<b>Comment</b>									
224.60 - 232.60		SI HLO 3	Silicification, Alteration Halo, Moderate									
224.60 - 232.60		HM AFG 2	Hematization, Alteration of feldspar grains, Weak (tonalite)									
224.60 - 232.60		BIO IS 2	Biotitization, Interstitial, Weak									
224.60 - 232.60		CL IS 3	Chloritization, Interstitial, Moderate (qtz-diorite)									
<b>Mineralization Maj. :</b>		<b>Type/Style/%Mineral</b>	<b>Comment</b>									
224.60 - 232.60		Py VN 0.05	Pyrite, Vein-controlled, 0.05%									
224.60 - 232.60		Py FAC 0.1	Pyrite, Fracture-controlled, 0.1%									
<b>Structure Maj.:</b>		<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
224.60 - 232.60		W FAC 45	Fractured, 45° CA									
<b>Texture Maj:</b>		<b>Type</b>	<b>Comment</b>									
224.60 - 232.60		HT	Heterogeneous									
224.60 - 232.60		IEQ	Inequigranular									
224.60 - 232.60		MG	Medium Grained(1-5mm)									
<b>Vein Maj. :</b>		<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
224.60 - 225.60		VN 5 45 100 QEV	Quartz-Epidote, 100%, 45° CA									
225.60 - 228.00		VN 4 35 100 QV	Quartz Vein, 100%, 35° CA									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
232.60	300.00	<b>IITNL Tonalite</b> T	GY	178885	246.00	247.00	1.00	<0	-	<0.01	-	-
		<p>Altered Tonalite. Medium grey in colour. Non-magnetic. Medium grained texture. Moderately chlorite and biotite altered. Silicified and sericite altered halos are found marginal to veins throughout. A distinct zone of strong pervasive sericite alteration is intersected from 250m to 281m with weakly to moderately foliated tonalite at low to moderate angles to core axis. Sericite alteration is present throughout the remainder of the hole as well but is more patchy and less pervasive. The sericite altered tonalite hosts fg disseminated pyrite and pyrite in veins in amounts of 0.2 to 0.5%. Veining intensity increases near 246.50m with ~5% qtz-carb and carb veins, at 250m veining intensifies again to over 10%. From 252.45 to 253.30m there is a 85cm long quartz vein at 45-50 degrees to core axis. Veining continues to be increased thereafter throughout the sericite altered zone. End of hole is 300.0 meters.</p> <p><b>Alteration Maj:</b>      <b>Type/Style/Intensity</b>      <b>Comment</b></p> <p>232.60 - 250.00      SI HLO 3      Silicification, Alteration Halo, Moderate</p> <p>232.60 - 250.00      SR HLO 2      Sericitization, Alteration Halo, Weak</p> <p>232.60 - 250.00      BIO IS 2      Biotitization, Interstitial, Weak</p> <p>232.60 - 250.00      CL IS 3      Chloritization, Interstitial, Moderate</p> <p>250.00 - 281.00      CB PV 2      Carbonatization, Pervasive, Weak</p> <p>250.00 - 281.00      CL IS 3      Chloritization, Interstitial, Moderate</p> <p>250.00 - 281.00      SR PV 4      Sericitization, Pervasive, Strong</p> <p>281.00 - 300.00      CB SPT 2      Carbonatization, Spotty/Patchy, Weak</p> <p>281.00 - 300.00      BIO IS 3      Biotitization, Interstitial, Moderate</p> <p>281.00 - 300.00      CL IS 3      Chloritization, Interstitial, Moderate</p> <p>281.00 - 300.00      SR SPT 3      Sericitization, Spotty/Patchy, Moderate</p> <p><b>Mineralization Maj. :</b>      <b>Type/Style/%Mineral</b>      <b>Comment</b></p> <p>232.60 - 300.00      Py FAC 0.05      Pyrite, Fracture-controlled, 0.05%</p> <p>232.60 - 300.00      Py VN 0.1      Pyrite, Vein-controlled, 0.1%</p> <p>232.60 - 300.00      Py DIS 0.25      Pyrite, Disseminated, 0.25%</p> <p><b>Structure Maj.:</b>      <b>Inte/Type/Core Angle</b>      <b>Comment</b></p> <p>232.60 - 300.00      W FAC 30      Fractured, 30° CA</p>	178886	247.00	248.00	1.00	0	-	0.01	-	-	
				178887	248.00	249.00	1.00	<0	-	<0.01	-	-
				178888	249.00	250.00	1.00	0	-	0.01	-	-
				178889	250.00	251.00	1.00	<0	-	<0.01	-	-
				178890	251.00	252.45	1.45	<0	-	<0.01	<0.01	-
				178893	252.45	253.30	0.85	<0	-	<0.01	-	-
				178894	253.30	254.50	1.20	<0	-	<0.01	-	-
				178895	254.50	255.50	1.00	<0	-	<0.01	-	-
				178896	255.50	256.50	1.00	<0	-	<0.01	-	-
				178897	256.50	257.50	1.00	<0	-	<0.01	-	-
				178898	257.50	258.50	1.00	<0	-	<0.01	-	-
				178899	258.50	259.50	1.00	<0	-	<0.01	-	-
				178900	259.50	260.50	1.00	<0	-	<0.01	<0.01	-
				178901	260.50	261.50	1.00	0	-	0.01	-	-
			178902	261.50	262.50	1.00	0	-	0.02	-	-	
			178903	262.50	263.50	1.00	<0	-	<0.01	-	-	
			178905	263.50	264.50	1.00	<0	-	<0.01	-	-	
			178906	264.50	265.50	1.00	<0	-	<0.01	-	-	
			178907	265.50	266.50	1.00	<0	-	<0.01	-	-	
			178908	266.50	267.50	1.00	0	-	0.02	-	-	
			178909	267.50	268.50	1.00	0	-	0.47	-	-	
			178910	268.50	269.50	1.00	0	-	0.01	0.01	-	
			178911	269.50	270.50	1.00	<0	-	<0.01	-	-	
			178912	270.50	271.50	1.00	<0	-	<0.01	-	-	
			178913	271.50	272.50	1.00	<0	-	<0.01	-	-	
			178914	272.50	273.50	1.00	<0	-	<0.01	-	-	

## LITHOLOGY REPORT - Detailed -

Hole Number **CL12-00026**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	232.60 - 300.00	W FAC 45	Fractured, 45° CA	178915	273.50	274.50	1.00	<0	-	<0.01	-	-
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>	178918	274.50	275.50	1.00	<0	-	<0.01	-
	232.60 - 300.00	MG	Medium Grained(1-5mm)	178919	275.50	276.50	1.00	<0	-	<0.01	-	-
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>	178920	276.50	277.50	1.00	0	-	0.01	0.01
	246.00 - 250.00	VN 5 45 50	CBV	Carbonate Vein, 50%	178921	277.50	278.50	1.00	<0	-	<0.01	-
	246.00 - 250.00	VN 5 45 50	QCV	Quartz-Calcite Vein, 50%, 45° CA	178922	278.50	279.50	1.00	0	-	0.02	-
	251.00 - 252.45	VN 15 40 75	QCV	Quartz-Calcite Vein, 75%, 40° CA	178923	279.50	280.50	1.00	0	-	0.02	-
	251.00 - 252.45	VN 15 40 25	CBV	Carbonate Vein, 25%	178924	280.50	281.50	1.00	<0	-	<0.01	-
	253.30 - 254.65	VN 10 45 30	CBV	Carbonate Vein, 30%	178925	281.50	282.50	1.00	<0	-	<0.01	-
	253.30 - 254.65	VN 10 45 70	QCV	Quartz-Calcite Vein, 70%, 45° CA	178926	282.50	283.50	1.00	<0	-	<0.01	-
	254.65 - 255.00	VN 100 45 100	QV	Quartz Vein, 100%, 45° CA	178927	283.50	284.50	1.00	0	-	0.01	-
	255.00 - 257.00	VN 15 45 50	QCV	Quartz-Calcite Vein, 50%, 45° CA	178928	284.50	285.50	1.00	<0	-	<0.01	-
	255.00 - 257.00	VN 15 45 50	CBV	Carbonate Vein, 50%	178930	285.50	286.50	1.00	0	-	0.01	0.01
	257.00 - 258.00	VN 40 50 100	QCV	Quartz-Calcite Vein, 100%, 50° CA	178931	286.50	287.50	1.00	0	-	0.01	-
	258.00 - 261.00	VN 10 45 50	CBV	Carbonate Vein, 50%	178932	287.50	288.50	1.00	0	-	0.01	-
	258.00 - 261.00	VN 10 45 50	QCV	Quartz-Calcite Vein, 50%, 45° CA	178933	288.50	289.50	1.00	0	-	0.02	-
	261.00 - 262.00	VN 18 45 30	CBV	Carbonate Vein, 30%	178934	289.50	290.50	1.00	0	-	0.02	-
	261.00 - 262.00	VN 18 45 70	QCV	Quartz-Calcite Vein, 70%, 45° CA	178935	290.50	291.50	1.00	0	-	0.03	-
	262.00 - 268.00	VN 10 45 25	CBV	Carbonate Vein, 25%	178936	291.50	293.00	1.50	0	-	0.02	-
	262.00 - 268.00	VN 10 45 75	QCV	Quartz-Calcite Vein, 75%, 45° CA	178937	293.00	294.00	1.00	0	-	0.01	-
	268.00 - 269.00	VN 12 45 40	QCV	Quartz-Calcite Vein, 40%	178938	294.00	295.00	1.00	0	-	0.01	-
	268.00 - 269.00	VN 12 45 20	CBV	Carbonate Vein, 20%	178939	295.00	296.00	1.00	<0	-	<0.01	-
	268.00 - 269.00	VN 12 45 40	QV	Quartz Vein, 40%, 45° CA	178940	296.00	297.00	1.00	<0	-	<0.01	<0.01
	273.00 - 283.00	VN 10 45 30	QCV	Quartz-Calcite Vein, 30%	178941	297.00	298.00	1.00	<0	-	<0.01	-
	273.00 - 283.00	VN 10 45 70	CBV	Carbonate Vein, 70%, 45° CA	178943	298.00	299.00	1.00	<0	-	<0.01	-
	283.00 - 295.00	VN 4 60 75	CBV	Carbonate Vein, 75%, 60° CA	178944	299.00	300.00	1.00	<0	-	<0.01	-
	283.00 - 295.00	VN 4 60 25	QCV	Quartz-Calcite Vein, 25%								
	295.00 - 296.00	VN 12 60 10	CBV	Carbonate Vein, 10%								

## QUALITY CONTROL REPORT

Hole Number **CL12-00026**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	
178804	STANDARD		OREAS 501	AccurAssay	-	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178816	BLKDIA			AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178829	FDUP	178807		AccurAssay	-	-	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178831	STANDARD		OREAS 504	AccurAssay	-	-	1.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178841	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178849	FDUP	178827		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178854	STANDARD		OREAS 204	AccurAssay	-	-	1.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178872	FDUP	178850		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178866	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178879	STANDARD		OREAS 16b	AccurAssay	-	-	2.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178891	FDUP	178869		AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178892	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178916	FDUP	178894		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178904	STANDARD		OREAS 501	AccurAssay	-	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178917	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178929	STANDARD		OREAS 504	AccurAssay	-	-	1.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178942	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

# DRILL HOLE REPORT

Hole Number: **CL12-00027**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 317	<b>Length:</b> 0	<b>Dimension:</b> BQTW	<b>Claim No.:</b> 546984	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -44	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 300	<b>Capped:</b> No	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 12-May-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 16-May-12	<b>Left in hole:</b> no	<b>Logged by:</b> Jillian Craig	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 23-Jun-13	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
<b>Comment:</b>			<b>East:</b> 431544	<b>East:</b> 431544
			<b>North:</b> 5265059	<b>North:</b> 5265059
			<b>Elev.:</b> 397	<b>Elev.:</b> 397
			<b>Coordinate - Local</b>	<b>East:</b> 9900
				<b>North:</b> 7500
				<b>Elev.:</b> 397

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	317.00	-44.00	0	0	0	0	C	<input type="checkbox"/>	
18.00	317.10	-43.70	0	0	0	56000	Flexit	<input checked="" type="checkbox"/>	
51.00	318.00	-44.30	0	0	0	55820	Flexit	<input checked="" type="checkbox"/>	
105.00	319.00	-44.10	0	0	0	55780	Flexit	<input checked="" type="checkbox"/>	
204.00	319.30	-44.40	0	0	0	55720	Flexit	<input type="checkbox"/>	
252.00	320.20	-44.10	0	0	0	55840	Flexit	<input checked="" type="checkbox"/>	

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00027**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>	
0.00	6.20	<b>OB Overburden</b>											
6.20	137.70	<b>IITNL Tonalite</b> <b>T</b>	GY	242031	12.00	13.00	1.00	<0	-	<0.01	-	-	
		Altered Tonalite. Pink to grey in colour. Non-magnetic. Medium grained texture. Spotty/patchy weak pink hematite alteration with hematite alteration also locally along fractures notably below 115m.		242032	13.00	14.20	1.20	<0	-	<0.01	-	-	
		Moderate interstitial fg biotite throughout. Weak albite altered feldspar. Minor weak sericite along fractures, very subtle and indistinct in places. A shear zone is intersected from ~14.17 to 17.30m followed by several qtz-carb veins hosting sericite and fg py. Between 17.30 to 24.20m there are several quartz-iron carbonate veins at moderate (~45 deg tca) angles to core axis hosting sericite as well as fgr to mgr py (~0.8 to 1%) as well as heightened fg to mgr dissem py (~1.5-2%). A 40cm long white quartz vein with chloritic fractures is intersected from 23.80 to 24.20m with an upper ct ~45 deg tca and a lwr ct ~70 deg tca with minor fg py in chloritic fractures. A ~40cm long qtz-biotite vein is intersected from 101.08 to 101.45m. Another shear mafic dyke is intersected from 24.23 to 25.20m at ~45 deg tca. Following this mafic shear fractures often host a strongly silicified halo as well as several hosting weak sericite. From ~53m to 94m fractures commonly host weak epidote alteration. A mafic dyke is intersected from 55.20 to 58.85m with another intersected from 64.20 to 65.90m. Overall weakly mineralized with most of the mineralization hosted within fractures. Lower contact in broken core looks to be sharp and ~45 deg tca.		242033	14.20	15.20	1.00	0	-	0.01	-	-	
				242034	15.20	16.20	1.00	<0	-	<0.01	-	-	
				242035	16.20	17.30	1.10	<0	-	<0.01	-	-	
				242036	17.30	18.00	0.70	<0	-	<0.01	-	-	
				242037	18.00	19.00	1.00	<0	-	<0.01	-	-	
				242039	19.00	20.00	1.00	<0	-	<0.01	-	-	
				242040	20.00	21.00	1.00	<0	-	<0.01	<0.01	-	
				242041	21.00	22.00	1.00	<0	-	<0.01	-	-	
				242042	22.00	23.00	1.00	<0	-	<0.01	-	-	
				242043	23.00	24.20	1.20	<0	-	<0.01	-	-	
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>	242044	24.20	25.20	1.00	0	-	0.01	-	-
		6.20 - 30.00	AB AFG 2	Albitization, Alteration of feldspar grains, Weak	242045	25.20	26.00	0.80	<0	-	<0.01	-	-
		6.20 - 30.00	HM AFG 2	Hematization, Alteration of feldspar grains, Weak	242046	26.00	27.00	1.00	<0	-	<0.01	-	-
		6.20 - 30.00	BIO IS 3	Biotitization, Interstitial, Moderate	242047	27.00	28.00	1.00	<0	-	<0.01	-	-
		6.20 - 30.00	SR FRC 2	Sericitization, Along Fractures, Weak	242048	28.00	29.00	1.00	<0	-	<0.01	-	-
		30.00 - 40.00	BIO IS 3	Biotitization, Interstitial, Moderate	242049	58.85	60.00	1.15	<0	-	<0.01	-	-
		30.00 - 40.00	AB AFG 2	Albitization, Alteration of feldspar grains, Weak	242050	60.00	61.00	1.00	<0	-	<0.01	<0.01	-
		30.00 - 40.00	SR FRC 1	Sericitization, Along Fractures, Very weak									



**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00027**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
30.00 - 40.00		HM SPT 1	Hematization, Spotty/Patchy, Very weak	242052	61.00	62.00	1.00	<0	-	<0.01	-	-
40.00 - 53.00		BIO IS 3	Biotitization, Interstitial, Moderate	242053	62.00	63.00	1.00	<0	-	<0.01	-	-
40.00 - 53.00		SR FRC 2	Sericitization, Along Fractures, Weak	242054	94.00	95.00	1.00	0	-	0.01	-	-
40.00 - 53.00		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	242055	95.00	96.00	1.00	<0	-	<0.01	-	-
53.00 - 75.00		EP FRC 1	Epidotization, Along Fractures, Very weak	242056	96.00	97.00	1.00	<0	-	<0.01	-	-
53.00 - 75.00		BIO HLO 3	Biotitization, Alteration Halo, Moderate	242057	97.00	98.45	1.45	<0	-	<0.01	-	-
53.00 - 75.00		SR FRC 2	Sericitization, Along Fractures, Weak	242058	98.45	99.50	1.05	<0	-	<0.01	-	-
53.00 - 75.00		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	242059	99.50	100.68	1.18	<0	-	<0.01	-	-
53.00 - 75.00		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	242060	100.68	102.00	1.32	0	-	0.01	<0.01	-
75.00 - 94.50		SI HLO 3	Silicification, Alteration Halo, Moderate	242062	102.00	103.00	1.00	<0	-	<0.01	-	-
75.00 - 94.50		BIO IS 3	Biotitization, Interstitial, Moderate	242064	103.00	104.00	1.00	<0	-	<0.01	-	-
75.00 - 94.50		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	242065	104.00	105.00	1.00	<0	-	<0.01	-	-
75.00 - 94.50		SR HLO 1	Sericitization, Alteration Halo, Very weak	242066	105.00	106.00	1.00	<0	-	<0.01	-	-
94.50 - 102.00		BIO IS 3	Biotitization, Interstitial, Moderate	242067	106.00	107.00	1.00	<0	-	<0.01	-	-
94.50 - 102.00		CL IS 2	Chloritization, Interstitial, Weak	242068	107.00	108.35	1.35	<0	-	<0.01	-	-
94.50 - 102.00		SR FRC 2	Sericitization, Along Fractures, Weak	242069	108.35	109.05	0.70	<0	-	<0.01	-	-
94.50 - 102.00		CB PV 3	Carbonatization, Pervasive, Moderate	242070	109.05	110.00	0.95	<0	-	<0.01	<0.01	-
94.50 - 102.00		CB PV 3	Carbonatization, Pervasive, Moderate	242071	110.00	111.00	1.00	<0	-	<0.01	-	-
102.00 - 115.00		CB SPT 2	Carbonatization, Spotty/Patchy, Weak	242072	111.00	112.00	1.00	<0	-	<0.01	-	-
102.00 - 115.00		SR HLO 2	Sericitization, Alteration Halo, Weak	242073	112.00	113.00	1.00	<0	-	<0.01	-	-
102.00 - 115.00		SI HLO 4	Silicification, Alteration Halo, Strong	242074	113.00	114.00	1.00	<0	-	<0.01	-	-
102.00 - 115.00		BIO IS 3	Biotitization, Interstitial, Moderate	242075	114.00	115.00	1.00	0	-	0.01	-	-
115.00 - 126.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
115.00 - 126.00		HM SPT 2	Hematization, Spotty/Patchy, Weak									
115.00 - 126.00		BIO IS 3	Biotitization, Interstitial, Moderate									
126.00 - 137.70		EP AFG 2	Epidotization, Alteration of feldspar grains, Weak									
126.00 - 137.70		HM FRC 2	Hematization, Along Fractures, Weak									

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00027**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	126.00 - 137.70	BIO IS 2	Biotitization, Interstitial, Weak									
	126.00 - 137.70	AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	6.20 - 17.30	Py VN 0.05	Pyrite, Vein-controlled, 0.05%									
	6.20 - 17.30	Py DIS 0.25	Pyrite, Disseminated, 0.25%									
	17.30 - 24.20	Py DIS 1.5	Pyrite, Disseminated, 1.5%									
	17.30 - 24.20	Py VN 0.8	Pyrite, Vein-controlled, 0.8%									
	24.20 - 25.20	Py DIS 0.3	Pyrite, Disseminated, 0.3%									
	25.20 - 92.00	Py DIS 0.05	Pyrite, Disseminated, 0.05%									
	25.20 - 92.00	Py VN 0.05	Pyrite, Vein-controlled, 0.05%									
	25.20 - 92.00	Py FAC 0.15	Pyrite, Fracture-controlled, 0.15%									
	92.00 - 113.00	Py DIS 0.1	Pyrite, Disseminated, 0.1%									
	92.00 - 113.00	Py FAC 0.15	Pyrite, Fracture-controlled, 0.15%									
	113.00 - 115.00	Py VN 0.15	Pyrite, Vein-controlled, 0.15%									
	113.00 - 115.00	Py FAC 0.2	Pyrite, Fracture-controlled, 0.2%									
	115.00 - 137.70	Py FAC 0.1	Pyrite, Fracture-controlled, 0.1%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	6.20 - 14.20	W FAC 45	Fractured, 45° CA									
	14.20 - 17.30	SHRZN 45	Shear Zone, 45° CA									
	24.20 - 25.20	SHRZN 45	Shear Zone, 45° CA									
	25.20 - 55.20	W FAC 55	Fractured, 55° CA									
	25.20 - 55.20	W FAC 45	Fractured, 45° CA									
	55.20 - 58.85	CTL 45	Lithological Contact, 45° CA									
	55.20 - 58.85	DYK	Dyke									
	58.85 - 98.43	FAC 45	Fractured, 45° CA									
	58.85 - 98.43	FAC 55	Fractured, 55° CA									
	98.43 - 100.68	SHRZN 40	Shear Zone, 40° CA									
	103.10 - 103.58	DYK	Dyke									
	103.10 - 103.58	FOL 45	Foliated, 45° CA									

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103.10 - 103.58		CTL 45										
108.35 - 109.04		SHRZN										
108.35 - 109.04		CTL 45										
108.35 - 109.04		SHRD 40										
109.04 - 137.70		W FAC 40										
109.04 - 137.70		W FAC 45										
<b>Texture Maj:</b>		<b>Type</b>	<b>Comment</b>									
6.20 - 137.70		MG	Medium Grained(1-5mm)									
<b>Vein Maj. :</b>		<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
12.00 - 14.20		VN 2 70 100 QV	Quartz Vein, 100%, 70° CA									
14.20 - 15.00		SHRV 20 45 30 QICV	Quartz Iron-Carbonate Vein, 30%									
14.20 - 15.00		SHRV 20 45 70 CBV	Carbonate Vein, 70%, 45° CA									
15.00 - 15.25		VN 50 100 QCHLV	Quartz-Chlorite Vein, 100%, 25cm long low angle qtz-carb vn									
15.25 - 17.30		SHRV 40 45 100 CBV	Carbonate Vein, 100%, 45° CA									
17.30 - 18.00		VN 7 45 100 QV	Quartz Vein, 100%, 45° CA									
18.00 - 19.00		VN 15 45 100 QICV	Quartz Iron-Carbonate Vein, 100%, 45° CA									
19.00 - 20.00		VN 7 45 100 QEV	Quartz-Epidote, 100%, 45° CA									
20.00 - 23.80		VN 6 45 100 QICV	Quartz Iron-Carbonate Vein, 100%, 45° CA									
23.80 - 24.20		VN 100 45 100 QTV	Quartz-Tourmaline Vein, 100%, 45° CA									
24.20 - 25.50		CTV 6 45 20 CBV	Carbonate Vein, 20%									
24.20 - 25.50		CTV 6 45 80 QICV	Quartz Iron-Carbonate Vein, 80%, 45° CA									
44.00 - 55.20		TNV 1 40 100 QCV	Quartz-Calcite Vein, 100%, 40° CA									
58.85 - 64.20		VN 2 50 50 QCV	Quartz-Calcite Vein, 50%									
58.85 - 64.20		VN 2 50 50 QCHLV	Quartz-Chlorite Vein, 50%, 50° CA									
65.90 - 84.00		VN 1 50 60 QCV	Quartz-Calcite Vein, 60%, 50° CA									
65.90 - 84.00		VN 1 50 20 QEV	Quartz-Epidote, 20%									
65.90 - 84.00		VN 1 50 20 QCHLV	Quartz-Chlorite Vein, 20%									
92.00 - 98.43		FACV 1 45 100 CBV	Carbonate Vein, 100%, 45° CA									

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	101.08 - 101.45	VN 100 45 100	QBV Quartz-Biotite Vein, 100%, 45° CA, hosting tr to 0.1% py, 45cm long vein									
	101.45 - 103.00	VN 1.5 45 100	QCV Quartz-Calcite Vein, 100%, 45° CA									
	106.00 - 107.00	VN 1.5 50 100	QCV Quartz-Calcite Vein, 100%, 50° CA									
	109.05 - 110.00	FACV 2 45 100	CBV Carbonate Vein, 100%, 45° CA									
	110.00 - 113.00	FACV 1.5 45 100	CBV Carbonate Vein, 100%, 45° CA									
	113.00 - 115.00	VN 2.5 45 100	QV Quartz Vein, 100%, 45° CA									
	115.00 - 135.00	FACV 0.5 45 100	CBV Carbonate Vein, 100%, 45° CA									
	136.00 - 137.70	VN 2 45 100	QV Quartz Vein, 100%, 45° CA									

**Minor Interval:**

14.17 17.30

IM *Mafic Intrusive*

Dark Grey-Green Shear Zone. Fine grained texture. Non-magnetic. Strongly sheared near 40-45 deg tca. Carbonate altered. Crenulations over ~50cm. Carbonate along and defining shear. 24cm long white qtz vein. Fg py along foliation. Sharp contacts ~45 deg tca.

<i>Alteration Min:</i>	<i>Type/Style/Intensity</i>	<i>Comment</i>
14.17 - 17.30	CB FP 4	Carbonatization, Along Foliation Plan
14.17 - 17.30	CL PV 4	Chloritization, Pervasive, Strong
<i>Mineralization Min:</i>	<i>Type/Style/%Mineral</i>	<i>Comment</i>
14.17 - 17.30	Py VN 0.1	Pyrite, Vein-controlled, 0.1%
14.17 - 17.30	Py FOL 0.2	Pyrite, Along foliation, 0.2%
<i>Structure Min.:</i>	<i>Inte/Type/Core Angle</i>	<i>Comment</i>
14.17 - 17.30	CTL 45	Lithological Contact, 45° CA
14.17 - 17.30	FOL 45	Foliated, 45° CA
14.17 - 17.30	CRN	Crenulation
14.17 - 17.30	SHRZN	Shear Zone
14.17 - 17.30	DYK	Dyke
<i>Texture Min:</i>	<i>Type</i>	<i>Comment</i>
14.17 - 17.30	FG	Fine Grained (<1mm)
<i>Vein Min. :</i>	<i>Style/%vein/CoreA/%min/min</i>	<i>Comment</i>
14.17 - 17.30	SHRV 45 45 10	QCV Quartz-Calcite Vein, 10%

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	14.17 - 17.30	SHRV 45 45 25 QV	Quartz Vein, 25%									
	14.17 - 17.30	SHRV 45 45 65 CBV	Carbonate Vein, 65%, 45° CA									
<b>Minor Interval:</b>												
24.23	25.20	IM	<i>Mafic Intrusive</i>									
		Dark Grey-Green Mafic Shear Zone. Fine grained texture. Strongly carbonate altered. Non-magnetic. Foliated near 45 deg tca. Sharp upper and lower contacts w qtz-iron-carb veins at contact at -45 degrees to core axis.										
<b>Alteration Min:</b>		<b>Type/Style/Intensity</b>	<b>Comment</b>									
24.23 - 25.20		CL PV 3	Chloritization, Pervasive, Moderate									
24.23 - 25.20		CB PV 4	Carbonatization, Pervasive, Strong									
<b>Mineralization Min:</b>		<b>Type/Style/%Mineral</b>	<b>Comment</b>									
24.23 - 25.20		Py DIS 0.3	Pyrite, Disseminated, 0.3%									
<b>Structure Min.:</b>		<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
24.23 - 25.20		SHRD 45	Sheared, 45° CA									
24.23 - 25.20		FOL 45	Foliated, 45° CA									
24.23 - 25.20		CTL 45	Lithological Contact, 45° CA									
24.23 - 25.20		DYK	Dyke									
<b>Texture Min:</b>		<b>Type</b>	<b>Comment</b>									
24.23 - 25.20		FG	Fine Grained (<1mm)									
<b>Vein Min. :</b>		<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
24.23 - 25.20		CTV 6 45 100 QICV	Quartz Iron-Carbonate Vein, 1									

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<b>Minor Interval:</b>												
55.20	58.85	IM <i>Mafic Intrusive</i>										
Dark Grey-Black Mafic Dyke. Non-magnetic. Fine grained homogeneous texture. Carbonate along fractures. Non-foliated. Fine grained disseminated pyrite, ~0.2%. Sharp contacts ~45 deg tca.												
<b>Alteration Min:</b>												
<i>Type/Style/Intensity</i> <i>Comment</i>												
55.20 - 58.85		CB FRC 3										
<b>Mineralization Min:</b>												
<i>Type/Style/%Mineral</i> <i>Comment</i>												
55.20 - 58.85		Py DIS 0.25										
<b>Structure Min.:</b>												
<i>Inte/Type/Core Angle</i> <i>Comment</i>												
55.20 - 58.85		CTL 45										
55.20 - 58.85		DYK										
<b>Texture Min:</b>												
<i>Type</i> <i>Comment</i>												
55.20 - 58.85		FG										
<b>Vein Min. :</b>												
<i>Style/%vein/CoreA/%min/min</i> <i>Comment</i>												
55.20 - 58.85		FACV 2 45 100		CBV								
Carbonate Vein, 100%, 45° C/												

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<b>Minor Interval:</b>												
64.20	65.90	IM <i>Mafic Intrusive</i>										
Dark Grey-Black Mafic Dyke. Non-magnetic. Fine grained homogeneous texture. Weakly carbonate altered. Carbonate along fractures. Fine grained disseminated py, ~0.25%. Sharp contacts ~45 deg tca.												
<b>Alteration Min:</b>												
<i>Type/Style/Intensity</i> <i>Comment</i>												
64.20 - 65.90		CB PV 2										
Carbonatization, Pervasive, Weak												
<b>Mineralization Min:</b>												
<i>Type/Style/%Mineral</i> <i>Comment</i>												
64.20 - 65.90		Py DIS 0.25										
Pyrite, Disseminated, 0.25%												
<b>Structure Min.:</b>												
<i>Inte/Type/Core Angle</i> <i>Comment</i>												
64.20 - 65.90		CTL 45										
Lithological Contact, 45° CA												
64.20 - 65.90		DYK										
Dyke												
<b>Texture Min:</b>												
<i>Type</i> <i>Comment</i>												
64.20 - 65.90		FG										
Fine Grained (<1mm)												
<b>Vein Min. :</b>												
<i>Style/%vein/CoreA/%min/min</i> <i>Comment</i>												
64.20 - 65.90		FACV 1 45 100										
CBV Carbonate Vein, 100%, 45° C/												

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<b>Minor Interval:</b>												
98.43	100.68	IM <i>Mafic Intrusive</i>										
Black Mafic Shear Zone. Non-magnetic. Fine grained texture. Sheared/foliated near 40-45 deg tca with carbonate defining shear/abundant carbonate veinlets. Fine grained disseminated pyrite throughout, ~0.3%. Sharp upper and lower contacts ~40 deg tca.												
<b>Alteration Min:</b>												
<i>Type/Style/Intensity</i> <i>Comment</i>												
98.43 - 100.68		CB PV 3										
<b>Mineralization Min:</b>												
<i>Type/Style/%Mineral</i> <i>Comment</i>												
98.43 - 100.68		Py DIS 0.3										
<b>Structure Min.:</b>												
<i>Inte/Type/Core Angle</i> <i>Comment</i>												
98.43 - 100.68		CTL 40										
98.43 - 100.68		SHRZN 40										
<b>Texture Min:</b>												
<i>Type</i> <i>Comment</i>												
98.43 - 100.68		FG										
<b>Vein Min. :</b>												
<i>Style/%vein/CoreA/%min/min</i> <i>Comment</i>												
98.43 - 100.68		SHRV 20 40 100										
		CBV										



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<b>Minor Interval:</b>												
103.10	103.58	IM <i>Mafic Intrusive</i>										
Dark Grey-Black Foliated Mafic Dyke. Non-magnetic. Fine grained texture. Carbonate altered. Weakly to moderately foliated ~45 deg tca. Fine grained disseminated pyrite, ~0.2%. Sharp contacts ~45 deg tca. ~6% qtz-carb veining.												
<b>Alteration Min:</b>												
<i>Type/Style/Intensity</i> <i>Comment</i>												
103.10 - 103.58		CB PV 3		Carbonatization, Pervasive, Moderate								
<b>Mineralization Min:</b>												
<i>Type/Style/%Mineral</i> <i>Comment</i>												
103.10 - 103.58		Py DIS 0.2		Pyrite, Disseminated, 0.2%								
<b>Structure Min.:</b>												
<i>Inte/Type/Core Angle</i> <i>Comment</i>												
103.10 - 103.58		FOL 45		Foliated, 45° CA								
103.10 - 103.58		CTL		Lithological Contact								
103.10 - 103.58		DYK		Dyke								
<b>Texture Min:</b>												
<i>Type</i> <i>Comment</i>												
103.10 - 103.58		FG		Fine Grained (<1mm)								
<b>Vein Min. :</b>												
<i>Style/%vein/CoreA/%min/min</i> <i>Comment</i>												
103.10 - 103.58		VN 6 100 QCV		Quartz-Calcite Vein, 100%								

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<b>Minor Interval:</b>												
108.35	109.04	IM <i>Mafic Intrusive</i>										
Dark Grey Mafic Shear Zone. Non-magnetic. Fine grained texture. Moderately sheared near 40 deg tca with carbonate veinlets defining shear. Sharp contacts ~40-45 deg tca. Fine grained disseminated py, ~0.2%.												
<b>Alteration Min:</b>												
<b>Type/Style/Intensity      Comment</b>												
108.35 - 109.04		CB PV 4										
<b>Mineralization Min:</b>												
<b>Type/Style/%Mineral      Comment</b>												
108.35 - 109.04		Py DIS 0.2										
<b>Structure Min.:</b>												
<b>Inte/Type/Core Angle      Comment</b>												
108.35 - 109.04		SHRD 40										
108.35 - 109.04		CTL 45										
108.35 - 109.04		SHRZN 45										
<b>Texture Min:</b>												
<b>Type      Comment</b>												
108.35 - 109.04		FG										
<b>Vein Min. :</b>												
<b>Style/%vein/CoreA/%min/min      Comment</b>												
108.35 - 109.04		SHRV 15 40 100										
		CBV										
137.70	156.90	IMDIA <i>Diabase</i>										
Dark Grey-Black Diabase Dyke. Magnetic. Upper 2m of the dyke are fine grained (chill margin) as well as the lower 2m the unit is otherwise medium grained and gabbroic in texture. ~1% coarse grained 0.5-2.5cm long porphyritic anhedral weakly epidote altered phenocrysts are noted randomly throughout. Weakly fractured near 45 degrees to core axis. Trace disseminated pyrite. Sharp lower contact ~45 deg tca.												
<b>Alteration Maj:</b>												
<b>Type/Style/Intensity      Comment</b>												
137.70 - 156.90		EP AFG 2										
<b>Mineralization Maj. :</b>												
<b>Type/Style/%Mineral      Comment</b>												
137.70 - 156.90		Py DIS 0.05										
<b>Structure Maj.:</b>												
<b>Inte/Type/Core Angle      Comment</b>												
137.70 - 156.90		W FAC 45										

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		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>									
		137.70 - 139.50	FG	Fine Grained (<1mm)									
		139.50 - 155.00	MG	Medium Grained(1-5mm)									
		155.00 - 156.90	FG	Fine Grained (<1mm)									
156.90	300.00	<b>IITNL Tonalite</b>											
		<b>T</b>											
		Altered Tonalite. Light grey to pink-grey in colour. Non-magnetic. Medium grained texture. Patchy hematite alteration, particularly apparent at the top of the unit over ~3m with epidote along fractures. Epidote alteration is found within fractures as well as throughout altering the feldspars from the start of the unit down to ~175m. Tonalite is weakly albite altered and hosts weak to moderate interstitial biotite throughout. Weak overall chloritic fractures near 40 degrees to core axis with several very low angled chloritic fractures. Below 175 to 180m the tonalite hosts several chloritic fractures at moderate angles to core axis with sericitized and silicified alteration halos and hosting minor fg py. Following 181m to 198m the fractures mainly host albite and occasionally epidote altered halos with minor fg py. From 198 to 206m the again intersects a section of weak sericite alteration with patchy carbonate alteration and pyrite both disseminated and in fractures. From 206 to 211m the tonalite has patchy pink-orange hematite alteration and albite alteration mainly along fractures. Another short zone of patchy carbonate alteration is found from 211 to 214m. From ~215 to 236 the tonalite hosts several fractures and veinlets with silicified and weakly sericite altered halos with interstitial chlorite and biotite. A few short localized zones of pervasive sericite alteration are also intersected. A short zone of pervasive sericite alteration with fractures hosting minimal py, cpy and po is intersected from 236 to 238m. Fractures and veins thereafter host occasional sericitized and silicified alteration halos. An intermediate dyke is intersected from 239.25 to 241.20m. From 285m to the end of the hole there is increased qtz-carb veining with a 50cm long quartz vein at 298.65m. A albite and hematite altered zone is intersected from 290.90 to 295m. Overall minearization is weak and is mainly stockwork type/fracture controlled with trace pyrite in few veins and disseminated pyrite in localized sericitized zones. End of hole is 300.0 meters.		GY	242077	156.90	158.00	1.10	<0	-	<0.01	-	-
					242078	158.00	159.00	1.00	0	-	0.03	-	-
					242079	159.00	160.00	1.00	0	-	0.01	-	-
					242080	175.00	176.00	1.00	<0	-	<0.01	<0.01	-
					242081	176.00	177.00	1.00	<0	-	<0.01	-	-
					242082	177.00	178.00	1.00	<0	-	<0.01	-	-
					242083	198.00	199.00	1.00	<0	-	<0.01	-	-
					242084	199.00	200.00	1.00	0	-	0.05	-	-
					242085	200.00	201.00	1.00	0	-	0.01	-	-
					242086	201.00	202.00	1.00	0	-	0.01	-	-
					242089	202.00	203.00	1.00	<0	-	<0.01	-	-
					242090	203.00	204.00	1.00	<0	-	<0.01	<0.01	-
					242091	204.00	205.00	1.00	<0	-	<0.01	-	-
					242092	205.00	206.00	1.00	<0	-	<0.01	-	-
					242093	206.00	207.00	1.00	<0	-	<0.01	-	-
					242094	207.00	208.00	1.00	<0	-	<0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>	242095	208.00	209.00	1.00	0	-	0.02	-	-
		156.90 - 160.00	EP FRC 2	Epidotization, Along Fractures, Weak	242096	209.00	210.00	1.00	<0	-	<0.01	-	-
		156.90 - 160.00	HM AFG 3	Hematization, Alteration of feldspar grains, Moderate	242097	210.00	211.00	1.00	<0	-	<0.01	-	-
		156.90 - 160.00	BIO IS 2	Biotitization, Interstitial, Weak	242098	211.00	212.00	1.00	<0	-	<0.01	-	-
		156.90 - 160.00	EP AFG 1	Epidotization, Alteration of feldspar grains, Very weak	242099	212.00	213.00	1.00	<0	-	<0.01	-	-

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160.00 - 168.00	168.00	AB AFG 2	Albitization, Alteration of feldspar grains, Weak	242100	213.00	214.00	1.00	<0	-	<0.01	<0.01	-
160.00 - 168.00	168.00	BIO IS 2	Biotitization, Interstitial, Weak	242102	220.00	221.00	1.00	<0	-	<0.01	-	-
160.00 - 168.00	168.00	HM HLO 2	Hematization, Alteration Halo, Weak	242103	221.00	222.00	1.00	<0	-	<0.01	-	-
160.00 - 168.00	168.00	EP FRC 1	Epidotization, Along Fractures, Very weak	242104	222.00	223.00	1.00	<0	-	<0.01	-	-
168.00 - 175.00	175.00	BIO IS 2	Biotitization, Interstitial, Weak	242105	223.00	224.00	1.00	<0	-	<0.01	-	-
168.00 - 175.00	175.00	AB AFG 2	Albitization, Alteration of feldspar grains, Weak	242106	224.00	225.00	1.00	<0	-	<0.01	-	-
168.00 - 175.00	175.00	EP AFG 2	Epidotization, Alteration of feldspar grains, Weak	242107	236.00	237.00	1.00	0	-	0.02	-	-
168.00 - 175.00	175.00	HM FRC 1	Hematization, Along Fractures, Very weak	242108	237.00	238.00	1.00	1	-	0.67	-	-
168.00 - 175.00	175.00	SI HLO 3	Silicification, Alteration Halo, Moderate	242109	238.00	239.25	1.25	0	-	0.21	-	-
175.00 - 180.00	180.00	BIO IS 2	Biotitization, Interstitial, Weak	242110	258.00	259.00	1.00	<0	-	<0.01	0.01	-
175.00 - 180.00	180.00	SR HLO 2	Sericitization, Alteration Halo, Weak	242111	259.00	260.00	1.00	0	-	0.01	-	-
175.00 - 180.00	180.00	CL IS 2	Chloritization, Interstitial, Weak	242114	260.00	261.10	1.10	0	-	0.01	-	-
175.00 - 180.00	180.00	AB HLO 2	Albitization, Alteration Halo, Weak	242115	261.10	261.85	0.75	<0	-	<0.01	-	-
180.00 - 198.00	198.00	EP HLO 2	Epidotization, Alteration Halo, Weak	242116	261.85	263.30	1.45	0	-	0.07	-	-
180.00 - 198.00	198.00	CL IS 2	Chloritization, Interstitial, Weak	242117	263.30	263.85	0.55	0	-	0.01	-	-
180.00 - 198.00	198.00	BIO IS 2	Biotitization, Interstitial, Weak	242118	263.85	264.70	0.85	<0	-	<0.01	-	-
180.00 - 198.00	198.00	CL IS 2	Chloritization, Interstitial, Weak	242119	264.70	265.70	1.00	<0	-	<0.01	-	-
180.00 - 198.00	198.00	BIO IS 2	Biotitization, Interstitial, Weak	242120	265.70	266.85	1.15	0	-	0.01	0.01	-
198.00 - 206.00	206.00	BIO IS 1	Biotitization, Interstitial, Very weak	242121	266.85	267.75	0.90	0	-	0.01	-	-
198.00 - 206.00	206.00	CB SPT 2	Carbonatization, Spotty/Patchy, Weak	242122	267.75	269.00	1.25	0	-	0.01	-	-
198.00 - 206.00	206.00	SR FRC 2	Sericitization, Along Fractures, Weak	242123	269.00	270.00	1.00	0	-	0.02	-	-
198.00 - 206.00	206.00	CL IS 2	Chloritization, Interstitial, Weak	242124	284.00	285.00	1.00	0	-	0.01	-	-
206.00 - 211.00	211.00	HM HLO 2	Hematization, Alteration Halo, Weak	242125	285.00	286.00	1.00	0	-	0.02	-	-
206.00 - 211.00	211.00	HM SPT 2	Hematization, Spotty/Patchy, Weak	242127	286.00	287.00	1.00	0	-	0.01	-	-
206.00 - 211.00	211.00	AB HLO 2	Albitization, Alteration Halo, Weak	242128	287.00	288.00	1.00	0	-	0.01	-	-
206.00 - 211.00	211.00	BIO IS 2	Biotitization, Interstitial, Weak	242129	288.00	289.00	1.00	0	-	0.01	-	-
206.00 - 211.00	211.00	BIO IS 2	Biotitization, Interstitial, Weak	242130	289.00	290.00	1.00	0	-	0.01	0.01	-
211.00 - 214.00	214.00	BIO IS 2	Biotitization, Interstitial, Weak									

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	211.00 - 214.00	CB SPT 2	Carbonatization, Spotty/Patchy, Weak	242131	290.00	291.10	1.10	0	-	0.01	-	-
	211.00 - 214.00	HM SPT 1	Hematization, Spotty/Patchy, Very weak	242132	291.10	292.00	0.90	<0	-	<0.01	-	-
	211.00 - 214.00	AB HLO 2	Albitization, Alteration Halo, Weak	242133	292.00	293.00	1.00	<0	-	<0.01	-	-
	214.00 - 226.00	SI HLO 3	Silicification, Alteration Halo, Moderate	242134	293.00	294.00	1.00	<0	-	<0.01	-	-
	214.00 - 226.00	SR HLO 2	Sericitization, Alteration Halo, Weak	242135	294.00	295.00	1.00	<0	-	<0.01	-	-
	214.00 - 226.00	CL IS 2	Chloritization, Interstitial, Weak	242136	295.00	296.00	1.00	0	-	0.08	-	-
	214.00 - 226.00	CL IS 2	Chloritization, Interstitial, Weak	242137	296.00	297.00	1.00	0	-	0.03	-	-
	214.00 - 226.00	BIO IS 2	Biotitization, Interstitial, Weak	242139	297.00	298.00	1.00	<0	-	<0.01	-	-
	226.00 - 236.00	SR HLO 1	Sericitization, Alteration Halo, Very weak	242140	298.00	299.10	1.10	0	-	0.01	0.01	-
	226.00 - 236.00	BIO IS 2	Biotitization, Interstitial, Weak	242141	299.10	300.00	0.90	0	-	0.01	-	-
	226.00 - 236.00	CL IS 2	Chloritization, Interstitial, Weak									
	226.00 - 236.00	AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
	236.00 - 237.00	CL IS 3	Chloritization, Interstitial, Moderate									
	236.00 - 237.00	CB SPT 2	Carbonatization, Spotty/Patchy, Weak									
	236.00 - 237.00	SR PV 3	Sericitization, Pervasive, Moderate									
	236.00 - 237.00	BIO IS 2	Biotitization, Interstitial, Weak									
	237.00 - 239.75	CL IS 2	Chloritization, Interstitial, Weak									
	237.00 - 239.75	SR HLO 2	Sericitization, Alteration Halo, Weak									
	237.00 - 239.75	BIO IS 2	Biotitization, Interstitial, Weak									
	241.20 - 259.50	AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
	241.20 - 259.50	CL IS 2	Chloritization, Interstitial, Weak									
	241.20 - 259.50	BIO IS 2	Biotitization, Interstitial, Weak									
	241.20 - 259.50	SR HLO 1	Sericitization, Alteration Halo, Very weak									
	259.50 - 262.00	CL IS 2	Chloritization, Interstitial, Weak									
	259.50 - 262.00	SR PV 3	Sericitization, Pervasive, Moderate									
	259.50 - 262.00	BIO IS 2	Biotitization, Interstitial, Weak									

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	259.50 - 262.00	AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
	262.00 - 290.90	BIO IS 2	Biotitization, Interstitial, Weak									
	262.00 - 290.90	HM SPT 2	Hematization, Spotty/Patchy, Weak									
	262.00 - 290.90	CL IS 2	Chloritization, Interstitial, Weak									
	262.00 - 290.90	CB SPT 2	Carbonatization, Spotty/Patchy, Weak									
	290.90 - 295.00	AB AFG 4	Albitization, Alteration of feldspar grains, Strong									
	290.90 - 295.00	HM SPT 3	Hematization, Spotty/Patchy, Moderate									
	290.90 - 295.00	CL IS 2	Chloritization, Interstitial, Weak									
	290.90 - 295.00	BIO HLO 1	Biotitization, Alteration Halo, Very weak									
	295.00 - 300.00	CL IS 3	Chloritization, Interstitial, Moderate									
	295.00 - 300.00	HM HLO 1	Hematization, Alteration Halo, Very weak									
	295.00 - 300.00	AB HLO 2	Albitization, Alteration Halo, Weak									
	295.00 - 300.00	BIO IS 2	Biotitization, Interstitial, Weak									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	156.90 - 175.00	Py FAC 0.1	Pyrite, Fracture-controlled, 0.1%									
	175.00 - 180.00	Py FAC 0.2	Pyrite, Fracture-controlled, 0.2%									
	180.00 - 236.00	Py FAC 0.1	Pyrite, Fracture-controlled, 0.1%									
	236.00 - 239.75	Po FAC 0.05	Pyrrhotite, Fracture-controlled, 0.05%									
	236.00 - 239.75	Cpy FAC 0.1	Chalcopyrite, Fracture-controlled, 0.1%									
	236.00 - 239.75	Py FAC 0.2	Pyrite, Fracture-controlled, 0.2%									
	236.00 - 239.75	Py VN 0.05	Pyrite, Vein-controlled, 0.05%									
	241.20 - 258.00	Py FAC 0.15	Pyrite, Fracture-controlled, 0.15%									
	258.00 - 261.00	Py DIS 0.3	Pyrite, Disseminated, 0.3%									
	261.00 - 266.50	Py DIS 0.1	Pyrite, Disseminated, 0.1%									
	261.00 - 266.50	Py FAC 0.15	Pyrite, Fracture-controlled, 0.15%									
	266.50 - 266.85	Py FAC 0.3	Pyrite, Fracture-controlled, 0.3%									
	267.75 - 287.00	Py FAC 0.15	Pyrite, Fracture-controlled, 0.15%									

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	287.00 - 288.00	Py STG 0.1	Pyrite, Veinlets-stringers, 0.1%									
	288.00 - 300.00	Py FAC 0.15	Pyrite, Fracture-controlled, 0.15%									
	288.00 - 300.00	Py VN 0.05	Pyrite, Vein-controlled, 0.05%									
	<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
	156.90 - 239.75	W FAC 45	Fractured, 45° CA									
	156.90 - 239.75	W FAC 40	Fractured, 40° CA									
	239.75 - 241.20	CTL 45	Lithological Contact, 45° CA									
	239.75 - 241.20	DYK	Dyke									
	241.20 - 300.00	W FAC 50	Fractured, 50° CA									
	241.20 - 300.00	W FAC 45	Fractured, 45° CA									
	<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>									
	156.90 - 300.00	MG	Medium Grained(1-5mm)									
	<b>Vein Maj. :</b>	<b>Style/%vein/CoreA%/min/min</b>	<b>Comment</b>									
	156.90 - 160.00	VN 2 50 50 QEV	Quartz-Epidote, 50%, 50° CA									
	156.90 - 160.00	VN 2 50 50 QCHLV	Quartz-Chlorite Vein, 50%									
	160.00 - 166.00	TNV 1 45 70 QEV	Quartz-Epidote, 70%, 45° CA									
	160.00 - 166.00	TNV 1 45 30 QV	Quartz Vein, 30%									
	174.00 - 175.00	VN 4 45 100 QCV	Quartz-Calcite Vein, 100%, 45° CA									
	175.00 - 199.00	FACV 0.5 45 70 CV	Calcite Vein, 70%, 45° CA									
	175.00 - 199.00	FACV 0.5 45 30 QCV	Quartz-Calcite Vein, 30%									
	199.00 - 200.00	FACV 5 45 100 CBV	Carbonate Vein, 100%, 45° CA									
	200.00 - 222.00	FACV 0.5 45 20 QCV	Quartz-Calcite Vein, 20%									
	200.00 - 222.00	FACV 0.5 45 80 CBV	Carbonate Vein, 80%, 45° CA									
	222.00 - 224.00	VN 1 55 100 QV	Quartz Vein, 100%, 55° CA									
	224.00 - 225.00	VN 4 55 100 QCHLV	Quartz-Chlorite Vein, 100%, 55° CA									
	225.00 - 237.00	FACV 0.5 45 100 CBV	Carbonate Vein, 100%, 45° CA									
	237.00 - 238.00	VN 8 45 100 QV	Quartz Vein, 100%, 45° CA									
	241.00 - 266.00	FACV 0.5 35 20 QCHLV	Quartz-Chlorite Vein, 20%									
	241.00 - 266.00	FACV 0.5 35 80 CBV	Carbonate Vein, 80%, 35° CA									

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	266.00 - 267.00	VN 5 60 100	QCV	Quartz-Calcite Vein, 100%, 60° CA								
	268.00 - 274.00	VN 1 45 70	QV	Quartz Vein, 70%, 45° CA								
	268.00 - 274.00	VN 1 45 30	QEV	Quartz-Epidote, 30%								
	274.00 - 285.00	ENV 0.5 45 100	CBV	Carbonate Vein, 100%, 45° CA								
	285.00 - 286.00	VN 25 50 100	QCV	Quartz-Calcite Vein, 100%, 50° CA								
	287.00 - 288.00	VN 5 40 100	QCV	Quartz-Calcite Vein, 100%, 40° CA, hosting ~0.15% py								
	290.00 - 292.00	VN 12 45 100	QCV	Quartz-Calcite Vein, 100%, 45° CA								
	292.00 - 298.65	VN 1 45 40	QCV	Quartz-Calcite Vein, 40%								
	292.00 - 298.65	VN 1 45 40	QV	Quartz Vein, 40%, 45° CA								
	292.00 - 298.65	VN 1 45 20	QEV	Quartz-Epidote, 20%								
	298.65 - 299.10	VN 50 45 100	QV	Quartz Vein, 100%, 45° CA								

**Minor Interval:**

174.25 174.60

IM *Mafic Intrusive*

Dark Grey Mafic Dyke. Non-magnetic. Fine grained texture. Chlorite altered. Weakly foliated near 45 degrees to core axis. 4cm thick Qtz-carb vein at ~45 deg tca at lower contact. Sharp contacts ~45 deg tca.

<i>Alteration Min:</i>	<i>Type/Style/Intensity</i>	<i>Comment</i>
174.25 - 174.60	CL PV 3	Chloritization, Pervasive, Moderate
<i>Mineralization Min:</i>	<i>Type/Style/%Mineral</i>	<i>Comment</i>
174.25 - 174.60	Py DIS 0.1	Pyrite, Disseminated, 0.1%
<i>Structure Min.:</i>	<i>Inte/Type/Core Angle</i>	<i>Comment</i>
174.25 - 174.60	DYK 45	Dyke, 45° CA
<i>Texture Min:</i>	<i>Type</i>	<i>Comment</i>
174.25 - 174.60	FG	Fine Grained (<1mm)
<i>Vein Min. :</i>	<i>Style/%vein/CoreA/%min/min</i>	<i>Comment</i>
174.25 - 174.60	VN 4 45 100 QCV	Quartz-Calcite Vein, 100%, 45



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<b>Minor Interval:</b>												
239.25	241.20	II <i>Intermediate Intrusive</i>										
Dark Grey Intermediate Dyke. Fine grained texture. Non-magnetic. Carbonate altered. Fine grained trace disseminated pyrite. A couple epidote altered qtz veins with tr py. Sharp contacts ~45 degrees to core axis.												
<b>Alteration Min:</b>												
<i>Type/Style/Intensity</i> <i>Comment</i>												
239.25 - 241.20		EP MTV 2										
239.25 - 241.20		CB PV 2										
<b>Mineralization Min:</b>												
<i>Type/Style/%Mineral</i> <i>Comment</i>												
239.25 - 241.20		Py VN 0.1										
239.25 - 241.20		Py DIS 0.05										
<b>Structure Min.:</b>												
<i>Inte/Type/Core Angle</i> <i>Comment</i>												
239.25 - 241.20		CTL 45										
239.25 - 241.20		DYK										
<b>Texture Min:</b>												
<i>Type</i> <i>Comment</i>												
239.25 - 241.20		FG										
<b>Vein Min. :</b>												
<i>Style/%vein/CoreA/%min/min</i> <i>Comment</i>												
239.25 - 241.20		VN 2.5 50 30 CBV										
239.25 - 241.20		VN 2.5 50 70 QEV										

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<b>Minor Interval:</b>												
261.10	261.85	IM <i>Mafic Intrusive</i>										
Dark Grey-Green Mafic Dyke. Non-magnetic. Fine grained texture. Pervasive carbonate and chlorite alteration. Carbonate veinlets at moderate angles to core axis. Weakly foliated near 30 to 40 degrees to core axis with minor fg py along foliation.												
<b>Alteration Min:</b>												
<i>Type/Style/Intensity</i> <i>Comment</i>												
261.10 - 261.85      CL PV 3      Chloritization, Pervasive, Moderate												
261.10 - 261.85      CB PV 3      Carbonatization, Pervasive, Moderate												
<b>Mineralization Min:</b>												
<i>Type/Style/%Mineral</i> <i>Comment</i>												
261.10 - 261.85      Py FOL 0.2      Pyrite, Along foliation, 0.2%												
<b>Structure Min.:</b>												
<i>Inte/Type/Core Angle</i> <i>Comment</i>												
261.10 - 261.85      FOL      Foliated												
261.10 - 261.85      CTL 45      Lithological Contact, 45° CA												
261.10 - 261.85      DYK      Dyke												
<b>Texture Min:</b>												
<i>Type</i> <i>Comment</i>												
261.10 - 261.85      FG      Fine Grained (<1mm)												
<b>Vein Min. :</b>												
<i>Style/%vein/CoreA/%min/min</i> <i>Comment</i>												
261.10 - 261.85      FACV 5 45 100 CBV      Carbonate Vein, 100%, 45° C)												

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Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
<b>Minor Interval:</b>												
263.30	263.85	IM <i>Mafic Intrusive</i>										
Dark Grey-Green Mafic Dyke. Fine grained texture. Non-magnetic. Carbonate and chlorite altered. Tr disseminated py. Shp uppr ct ~40 deg tca. Shp lwr ct ~60 deg tca.												
<b>Mineralization Min:</b>												
		<b>Type/Style/%Mineral</b>	<b>Comment</b>									
263.30 - 263.85		Py DIS 0.1	Pyrite, Disseminated, 0.1%									
<b>Structure Min.:</b>												
		<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
263.30 - 263.85		CTL 60	Lithological Contact, 60° CA, lower									
263.30 - 263.85		CTL 40	Lithological Contact, 40° CA, upper									
263.30 - 263.85		DYK	Dyke									
<b>Texture Min:</b>												
		<b>Type</b>	<b>Comment</b>									
263.30 - 263.85		FG	Fine Grained (<1mm)									
<b>Vein Min. :</b>												
		<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
263.30 - 263.85		FACV 0.5 45 100 CBV	Carbonate Vein, 100%, 45° C/									

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**- Detailed -**

Hole Number **CL12-00027**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
<b>Minor Interval:</b>												
265.70	266.50	IM <i>Mafic Intrusive</i>										
Dark Grey Mafic Dyke. Fine grained texture. Non-magnetic. Carbonate and chlorite altered. Minor py along foliation. Foliated variably from 40 to 10 deg tca. Sharp contacts ~50 deg tca. Carbonate veinlets throughout.												
<b>Alteration Min:</b>												
<i>Type/Style/Intensity</i> <i>Comment</i>												
265.70 - 266.50		CL PV 2										
265.70 - 266.50		CB PV 4										
<b>Mineralization Min:</b>												
<i>Type/Style/%Mineral</i> <i>Comment</i>												
265.70 - 266.50		Py FOL 0.2										
<b>Structure Min.:</b>												
<i>Inte/Type/Core Angle</i> <i>Comment</i>												
265.70 - 266.50		FOL										
265.70 - 266.50		CTL 50										
265.70 - 266.50		DYK										
<b>Texture Min:</b>												
<i>Type</i> <i>Comment</i>												
265.70 - 266.50		FG										
<b>Vein Min. :</b>												
<i>Style/%vein/CoreA/%min/min</i> <i>Comment</i>												
265.70 - 266.50		FPV 5 45 100 CBV										

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00027**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
<b>Minor Interval:</b>												
266.85	267.75	IM <i>Mafic Intrusive</i>										
Dark Grey-Green Mafic Dyke. Fine grained texture. Non-magnetic. Carbonate and chlorite altered. Fine grained disseminated pyrite. Minor carbonate veinlets. Sharp contacts ~45 deg tca.												
<b>Alteration Min:</b>												
<i>Type/Style/Intensity</i> <i>Comment</i>												
266.85 - 267.75		CL PV 3										
266.85 - 267.75		CB PV 3										
<b>Mineralization Min:</b>												
<i>Type/Style/%Mineral</i> <i>Comment</i>												
266.85 - 267.75		Py DIS 0.15										
<b>Structure Min.:</b>												
<i>Inte/Type/Core Angle</i> <i>Comment</i>												
266.85 - 267.75		CTL 45										
266.85 - 267.75		DYK										
<b>Texture Min:</b>												
<i>Type</i> <i>Comment</i>												
266.85 - 267.75		FG										
<b>Vein Min. :</b>												
<i>Style/%vein/CoreA/%min/min</i> <i>Comment</i>												
266.85 - 267.75		FACV 1 45 100	CBV									
Carbonate Vein, 100%, 45° C/												

## QUALITY CONTROL REPORT

Hole Number **CL12-00027**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	
242061	FDUP	242039		AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242038	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242051	STANDARD		OREAS 501	AccurAssay	-	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242063	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242088	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242087	FDUP	242065		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242076	STANDARD		OREAS 501	AccurAssay	-	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242112	FDUP	242090		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242101	STANDARD		OREAS 16b	AccurAssay	-	-	2.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242113	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242142	STANDARD		OREAS 206	AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242138	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## DRILL HOLE REPORT

Hole Number: **CL12-00028**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 318	<b>Length:</b> 0	<b>Dimension:</b> BQTW	<b>Claim No.:</b> 546988	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -45	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 300	<b>Capped:</b> No	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 16-May-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 20-May-12	<b>Left in hole:</b> no	<b>Logged by:</b> Jillian Craig	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 09-Jul-13	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>				
<b>Comment:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
			<b>East:</b> 431648.3	<b>East:</b> 431642
			<b>North:</b> 5264883	<b>North:</b> 5264884
			<b>Elev.:</b> 391.97	<b>Elev.:</b> 399
				<b>Coordinate - Local</b>
				<b>East:</b> 9900
				<b>North:</b> 7300
				<b>Elev.:</b> 399

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	318.00	-45.00	0	0	0	0	C	<input type="checkbox"/>	
15.00	318.00	-44.80	0	0	0	56420	Flexit	<input checked="" type="checkbox"/>	
51.00	319.40	-43.90	0	0	0	55830	Flexit	<input checked="" type="checkbox"/>	
150.00	318.50	-43.10	0	0	0	55810	Flexit	<input checked="" type="checkbox"/>	
201.00	318.10	-42.80	0	0	0	55740	Flexit	<input checked="" type="checkbox"/>	
250.00	320.40	-40.20	0	0	0	58820	Flexit	<input checked="" type="checkbox"/>	
300.00	318.40	-38.30	0	0	0	55890	Flexit	<input checked="" type="checkbox"/>	

## LITHOLOGY REPORT - Detailed -

Hole Number **CL12-00028**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
0.00	5.05	<b>OB Overburden</b>	PI									
5.05	93.30	<b>IITNL Tonalite T</b>	GY	242142	8.00	9.00	1.00	0	-	0.01	-	-
		<p>Altered Tonalite. Medium Grey in colour. Non-magnetic. Medium grained texture. Weak to moderate interstitial chlorite as well as weak interstitial biotite. Minor sericite is noted as a weak alteration halo along several veins and fractures throughout. Between 7 and 17m there are ~2% 1cm thick white qtz veins at ~60-65 deg tca hosting tr py. Sericite alteration is noted pervasively from ~14 to 42.10m with ~0.3% py with tr to 0.1% py in qtz-vns. Following an intermediate dyke from 43.10 to 46.65m the tonalite hosts stockwork-style mineralization with minor fg py, ~0.1-0.2% in fractures and veinlets with silicified and sericitized alteration halos bounding veins and fractures from 46.65 to 52m with up to ~0.5% pyrite in veins. This stockwork type mineralization &amp; alteration is again prevalent from ~57 to ~87m depth with sericitized and silicified halos bounding veins and fractures. A semi-pervasive zone of sericitization is intersected from 70.5 to 71.50m. The stockwork style mineralization is weak thereafter with weak sericitized alteration halos surrounding veins and fractures. Starting near 78m there is weak to spotty pink hematite alteration. Epidote is noted along fractures and veins starting near 87m depth. Overall weakly mineralized with heightened amounts associated with sericitization and stockworks. Sharp lower contact ~40 degrees to core axis.</p> <p><b>Alteration Maj:</b>      <b>Type/Style/Intensity</b>      <b>Comment</b></p>	242143	9.00	10.00	1.00	0	-	0.01	-	-	
			242144	10.00	11.00	1.00	0	-	0.01	-	-	
			242145	11.00	12.00	1.00	0	-	0.01	-	-	
			242146	12.00	13.00	1.00	<0	-	<0.01	-	-	
			242147	13.00	14.00	1.00	<0	-	<0.01	-	-	
			242148	14.00	15.00	1.00	0	-	0.01	-	-	
			242149	15.00	16.00	1.00	0	-	0.01	-	-	
			242150	16.00	17.00	1.00	0	-	0.01	0.01	-	
			242152	17.00	18.00	1.00	<0	-	<0.01	-	-	
			242153	18.00	19.00	1.00	<0	-	<0.01	-	-	
			242154	19.00	20.00	1.00	0	-	0.01	-	-	
			242155	20.00	21.00	1.00	<0	-	<0.01	-	-	
			242156	21.00	22.00	1.00	<0	-	<0.01	-	-	
			242157	22.00	23.00	1.00	0	-	0.01	-	-	
		242158	23.00	24.00	1.00	<0	-	<0.01	-	-		
		242159	24.00	25.00	1.00	0	-	0.01	-	-		
		242160	25.00	26.00	1.00	<0	-	<0.01	0.01	-		
		242161	26.00	27.00	1.00	0	-	0.01	-	-		
		242161	26.00	27.00	1.00	0	-	0.01	-	-		
		42.10 - 43.10	BIO IS 2									



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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
42.10 - 43.10		CL IS 2	Chloritization, Interstitial, Weak	242162	27.00	28.00	1.00	0	-	0.01	-	-
42.10 - 43.10		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	242164	28.00	29.00	1.00	0	-	0.01	-	-
42.10 - 43.10		EP AFG 1	Epidotization, Alteration of feldspar grains, Very weak	242165	29.00	30.00	1.00	0	-	0.01	-	-
46.65 - 70.50		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	242166	30.00	31.00	1.00	<0	-	<0.01	-	-
46.65 - 70.50		BIO IS 2	Biotitization, Interstitial, Weak	242167	31.00	32.00	1.00	<0	-	<0.01	-	-
46.65 - 70.50		SI HLO 3	Silicification, Alteration Halo, Moderate	242168	32.00	33.00	1.00	0	-	0.01	-	-
46.65 - 70.50		SR HLO 2	Sericitization, Alteration Halo, Weak	242169	33.00	34.00	1.00	0	-	0.01	-	-
46.65 - 70.50		SR HLO 2	Sericitization, Alteration Halo, Weak	242170	34.00	35.00	1.00	0	-	0.01	<0.01	-
70.50 - 71.50		CL IS 2	Chloritization, Interstitial, Weak	242171	35.00	36.00	1.00	<0	-	<0.01	-	-
70.50 - 71.50		SR PV 3	Sericitization, Pervasive, Moderate	242172	36.00	37.00	1.00	0	-	0.01	-	-
70.50 - 71.50		BIO IS 2	Biotitization, Interstitial, Weak	242173	37.00	38.00	1.00	<0	-	<0.01	-	-
70.50 - 71.50		SR HLO 4	Sericitization, Alteration Halo, Strong	242174	38.00	39.00	1.00	0	-	0.01	-	-
71.50 - 79.00		SI HLO 3	Silicification, Alteration Halo, Moderate	242175	39.00	40.00	1.00	<0	-	<0.01	-	-
71.50 - 79.00		SR HLO 2	Sericitization, Alteration Halo, Weak	242177	40.00	41.00	1.00	0	-	0.01	-	-
71.50 - 79.00		SR HLO 2	Sericitization, Alteration Halo, Weak	242178	41.00	42.00	1.00	<0	-	<0.01	-	-
71.50 - 79.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	242179	42.00	43.10	1.10	<0	-	<0.01	-	-
71.50 - 79.00		BIO IS 2	Biotitization, Interstitial, Weak	242180	46.65	48.00	1.35	0	-	0.01	<0.01	-
79.00 - 87.00		HM SPT 2	Hematization, Spotty/Patchy, Weak	242181	48.00	49.00	1.00	<0	-	<0.01	-	-
79.00 - 87.00		CL IS 2	Chloritization, Interstitial, Weak	242182	49.00	50.00	1.00	0	-	0.01	-	-
79.00 - 87.00		BIO IS 2	Biotitization, Interstitial, Weak	242183	50.00	51.00	1.00	<0	-	<0.01	-	-
79.00 - 87.00		SR HLO 2	Sericitization, Alteration Halo, Weak	242184	51.00	52.00	1.00	0	-	0.01	-	-
87.00 - 93.30		HM AFG 2	Hematization, Alteration of feldspar grains, Weak	242185	62.00	63.00	1.00	0	-	0.02	-	-
87.00 - 93.30		BIO IS 2	Biotitization, Interstitial, Weak	242186	63.00	64.00	1.00	0	-	0.01	-	-
87.00 - 93.30		SR HLO 1	Sericitization, Alteration Halo, Very weak	242187	64.00	65.30	1.30	<0	-	<0.01	-	-
87.00 - 93.30		EP FRC 1	Epidotization, Along Fractures, Very weak	242189	70.00	71.00	1.00	<0	-	<0.01	-	-
				242190	71.00	72.00	1.00	<0	-	<0.01	0.01	-
<b>Mineralization Maj. :</b>		<b>Type/Style/%Mineral</b>	<b>Comment</b>	242191	72.00	73.00	1.00	<0	-	<0.01	-	-
5.05 - 14.00		Py FAC 0.1	Pyrite, Fracture-controlled, 0.1%									

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	14.00 - 35.00	Py FAC 0.2	Pyrite, Fracture-controlled, 0.2%	242192	73.00	74.00	1.00	<0	-	<0.01	-	-
	14.00 - 35.00	Py DIS 0.2	Pyrite, Disseminated, 0.2%	242193	91.30	92.30	1.00	<0	-	<0.01	-	-
	35.00 - 36.00	Py DIS 0.1	Pyrite, Disseminated, 0.1%	242194	92.30	93.30	1.00	<0	-	<0.01	-	-
93.30	97.80	<b>IM Mafic Dyke</b>										
		Dark Grey Mafic Dyke. Non-magnetic. Fine to medium grained texture. Strongly carbonate altered. Moderately chlorite altered. Foliated weakly near 40 to 45 deg tca. Fine grained disseminated pyrite, ~0.25%. Thin carbonate veinlets throughout the dyke at moderate to steep angles to core axis. Sharp upper contact ~40 deg tca. Sharp lower contact ~45 degrees to core axis.		242195	93.30	94.00	0.70	<0	-	<0.01	-	-
				242196	97.00	97.80	0.80	0	-	0.02	<0.01	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
	93.30 - 97.80	CL PV 3	Chloritization, Pervasive, Moderate									
	93.30 - 97.80	CB PV 4	Carbonatization, Pervasive, Strong									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	93.30 - 97.80	Py DIS 0.25	Pyrite, Disseminated, 0.25%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	93.30 - 97.80	CTL 45	Lithological Contact, 45° CA									
	93.30 - 97.80	CTL 40	Lithological Contact, 40° CA									
	93.30 - 97.80	DYK	Dyke									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
	93.30 - 97.80	MG	Medium Grained(1-5mm)									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	93.30 - 97.80	FACV 2 40 100	CBV Carbonate Vein, 100%, 40° CA									
97.80	103.30	<b>IITNL Tonalite</b>										
		<b>T</b>										
		Altered Tonalite. Light to medium pink in colour. Medium grained texture. Non-magnetic. 50cm long pseudo-brecciated zone intersected at the start of the unit following the intermediate dyke with abundant chloritic fractures. Several chloritic fractures throughout creating a semi- crackle-brecciated texture throughout the tonalite. The tonalite is largely weakly to moderately hematite altered with weak albite alteration and weak interstitial chlorite and biotite. Abundant chloritic fractures with several hematite veinlets/fractures between 99 and 103.30m. A couple short mafic dykelets are intersected from ~101.50		242197	97.80	99.00	1.20	<0	-	<0.01	-	-
				242198	99.00	100.00	1.00	<0	-	<0.01	-	-
				242199	100.00	101.00	1.00	<0	-	<0.01	-	-
				242201	101.00	101.70	0.70	0	-	0.09	-	-
				242203	101.70	102.40	0.70	<0	-	<0.01	-	-
				242204	102.40	103.30	0.90	<0	-	<0.01	-	-

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Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
to 101.60m with another mafic dyke from 101.70 to 102.40m at moderate angles to core axis. Minor py, ~0.15-0.2%, within fractures with tr py in veins. Sharp lower contact ~40 deg tca.												
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
97.80	100.00	BIO IS 2	Biotitization, Interstitial, Weak									
97.80	100.00	CL IS 2	Chloritization, Interstitial, Weak									
97.80	100.00	AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
97.80	100.00	HM AFG 2	Hematization, Alteration of feldspar grains, Weak									
100.00	103.30	BIO IS 2	Biotitization, Interstitial, Weak									
100.00	103.30	CL IS 2	Chloritization, Interstitial, Weak									
100.00	103.30	HM AFG 3	Hematization, Alteration of feldspar grains, Moderate									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
97.80	103.30	Py VN 0.05	Pyrite, Vein-controlled, 0.05%									
97.80	103.30	Py FAC 0.15	Pyrite, Fracture-controlled, 0.15%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
97.80	103.30	W BX	Brecciated, crackle-brecciated									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
97.80	103.30	MG	Medium Grained(1-5mm)									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
97.80	98.50	BXV 20 100	QCV	Quartz-Calcite Vein, 100%								
100.00	103.30	VN 0 45 40	CBV	Carbonate Vein, 40%								
100.00	103.30	VN 0 45 60	QCV	Quartz-Calcite Vein, 60%, 45° CA								
<b>Minor Interval:</b>												
101.70	102.40	IM	Mafic Intrusive									
Dark Grey Mafic Dyke. Fine to medium grained texture. Carbonate altered. Chlorite altered. Carbonate veinletse throughout. Contacts ~45 deg tca. Fg dissem tr py.												
		<b>Alteration Min:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
101.70	102.40	CB PV 4	Carbonatization, Pervasive, Strong									
101.70	102.40	CL PV 2	Chloritization, Pervasive, Weak									

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Hole Number **CL12-00028**

Project: **COTE GOLD**

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
		<b>Mineralization Min:</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		101.70 - 102.40	Py DIS 0.1	Pyrite, Disseminated, 0.1%								
		<b>Structure Min.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
		101.70 - 102.40	DYK	Dyke								
		<b>Texture Min:</b>	<b>Type</b>	<b>Comment</b>								
		101.70 - 102.40	MG	Medium Grained(1-5mm)								
		<b>Vein Min. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
		101.70 - 102.40	FACV 5 45 35	QCV Quartz-Calcite Vein, 35%								
		101.70 - 102.40	FACV 5 45 65	CBV Carbonate Vein, 65%, 45° CA								
103.30	109.60	<b>IIDR Diorite</b>		GY	242205	103.30	104.30	1.00	<0	-	<0.01	-
		Dark Grey to Grey-Green Diorite. Non-magnetic. Medium grained texture with fine grained texture over the upper 50cm long chill margin. Melanocratic. Pervasive weak to moderate chlorite alteration. Weak to moderate pervasive carbonate alteration. Weak hematite staining of feldspars in the upper 2m of the unit. Minor brecciated carbonate veining in the upper two meters of the diorite. ~1-2% thin to hairline carbonate veinlets throughout at moderate angles to core axis. Fine grained disseminated pyrite, ~0.25%. Sharp lower contact ~45 deg tca.										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		103.30 - 105.00	HM AFG 2	Hematization, Alteration of feldspar grains, Weak								
		103.30 - 105.00	CL PV 3	Chloritization, Pervasive, Moderate								
		103.30 - 105.00	CB PV 2	Carbonatization, Pervasive, Weak								
		105.00 - 109.60	CL PV 3	Chloritization, Pervasive, Moderate								
		105.00 - 109.60	CB PV 2	Carbonatization, Pervasive, Weak								
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		103.30 - 109.60	Py DIS 0.15	Pyrite, Disseminated, 0.15%								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
		103.30 - 109.60	CTL 45	Lithological Contact, 45° CA								
		103.30 - 109.60	DYK	Dyke								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								

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		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	103.30 - 109.60	FACV	3 45 100 CBV	Carbonate Vein, 100%, 45° CA								
109.60	120.30	<b>IITNL Tonalite</b> <b>T</b>										
		<p>Altered Tonalite. Pink in colour. Non-magnetic. Medium grained texture. Pervasive weak hematite alteration. Weak albite alteration. Weak to moderate interstitial biotite alteration and weak interstitial chlorite alteration. Several chlorite and hematite filled fractures/veinlets. Several veinlets and fractures host a thin silicified alteration halo with the tonalite being generally more silicified in areas with abundant fractures/veinlets. ~1% or less qtz-carb and carbonate veinlets throughout with a couple rare epidote veinlets. A ~23cm long qtz-carb vein is found at ~119.05m. Mineralization is typically weak with ~0.1-0.2% py in fractures. Sharp lower contact at ~45 degrees to core axis.</p>										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
	109.60 - 120.30	AB	AFG 2	Albitization, Alteration of feldspar grains, Weak								
	109.60 - 120.30	CL	IS 2	Chloritization, Interstitial, Weak								
	109.60 - 120.30	BIO	IS 3	Biotitization, Interstitial, Moderate								
	109.60 - 120.30	HM	PV 2	Hematization, Pervasive, Weak								
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	109.60 - 120.30	Py	FAC 0.15	Pyrite, Fracture-controlled, 0.15%								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	109.60 - 120.30	W	FAC 65	Fractured, 65° CA								
	109.60 - 120.30	W	FAC 45	Fractured, 45° CA								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
	109.60 - 120.30	MG		Medium Grained(1-5mm)								
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	109.60 - 119.95	FACV	1 45 50 QCV	Quartz-Calcite Vein, 50%								
	109.60 - 119.95	FACV	1 45 50 CBV	Carbonate Vein, 50%, 45° CA								
	119.95 - 120.18	VN	100 45 100 QCV	Quartz-Calcite Vein, 100%, 45° CA								

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120.30	123.50	<b>IM Mafic Dyke</b>	GY	242206	122.50	123.50	1.00	0	-	0.02	<0.01	-
<p>Dark Grey Mafic Dyke. Non-magnetic. Fine grained texture. Pervasive moderate chlorite and carbonate alteration. Several carbonate veinlets throughout at steep to moderate angles to core axis with less qtz-carb veins. ~0.15% fine grained disseminated pyrite. Sharp contacts ~45 degrees to core axis.</p> <p><b>Alteration Maj: Type/Style/Intensity Comment</b></p> <p>120.30 - 123.50 CL PV 3 Chloritization, Pervasive, Moderate</p> <p>120.30 - 123.50 CB PV 3 Carbonatization, Pervasive, Moderate</p> <p><b>Mineralization Maj. : Type/Style/%Mineral Comment</b></p> <p>120.30 - 123.50 Py DIS 0.1 Pyrite, Disseminated, 0.1%</p> <p><b>Structure Maj.: Inte/Type/Core Angle Comment</b></p> <p>120.30 - 123.50 CTL 45 Lithological Contact, 45° CA</p> <p>120.30 - 123.50 DYK Dyke</p> <p><b>Texture Maj: Type Comment</b></p> <p>120.30 - 123.50 FG Fine Grained (&lt;1mm)</p> <p><b>Vein Maj. : Style/%vein/CoreA/%min/min Comment</b></p> <p>120.30 - 123.50 VN 3 45 50 CBV Carbonate Vein, 50%</p> <p>120.30 - 123.50 VN 3 45 30 QCV Quartz-Calcite Vein, 30%</p> <p>120.30 - 123.50 VN 3 45 20 QV Quartz Vein, 20%, 45° CA</p>												
123.50	160.80	<b>IITNL Tonalite</b>	PI	242207	123.50	124.50	1.00	0	-	0.04	-	-
<p>Altered Tonalite. Pink in colour. Non-magnetic. Medium grained texture. Pervasive to patchy weak hematite alteration. Weak albite alteration. Weak to moderate interstitial chlorite and biotite. Several thin to hairline chloritic fractures throughout generally at moderate angles to core axis. Abundant chloritic fractures are found between 127 to 129m. Epidote veinlets are noted between 129 to 132m. Veining is overall weak with typically 1% or less carbonate and qtz-carb veins with rare epidote veinlets. Chloritic fractures often host more strongly silicified alteration halos indicating stockwork type veining and mineralization. Overall mineralization is weak with minor fg py (~0.15-0.2%) within fractures.</p> <p><b>Alteration Maj: Type/Style/Intensity Comment</b></p> <p>123.50 - 147.15 CL IS 2 Chloritization, Interstitial, Weak</p>												
242208				242208	124.50	125.50	1.00	<0	-	<0.01	-	-
242209				242209	125.50	126.50	1.00	0	-	0.01	-	-
242210				242210	126.50	127.50	1.00	0	-	0.11	0.20	-
242211				242211	127.50	128.50	1.00	<0	-	<0.01	-	-
242212				242212	128.50	129.50	1.00	<0	-	<0.01	-	-

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	123.50 - 147.15	BIO IS 3	Biotitization, Interstitial, Moderate									
	123.50 - 147.15	AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
	123.50 - 147.15	HM SPT 2	Hematization, Spotty/Patchy, Weak									
	150.05 - 152.35	SR SPT 2	Sericitization, Spotty/Patchy, Weak									
	150.05 - 152.35	AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
	150.05 - 152.35	CL IS 3	Chloritization, Interstitial, Moderate									
	150.05 - 152.35	HM PV 3	Hematization, Pervasive, Moderate									
	152.35 - 160.80	HM FRC 2	Hematization, Along Fractures, Weak									
	152.35 - 160.80	CL IS 2	Chloritization, Interstitial, Weak									
	152.35 - 160.80	BIO IS 3	Biotitization, Interstitial, Moderate									
	152.35 - 160.80	AB AFG 3	Albitization, Alteration of feldspar grains, Moderate									
	<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>									
	123.50 - 160.80	Py FAC 0.15	Pyrite, Fracture-controlled, 0.15%									
	<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
	123.50 - 160.80	W FAC 40	Fractured, 40° CA									
	123.50 - 160.80	W FAC 45	Fractured, 45° CA									
	<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>									
	123.50 - 160.80	MG	Medium Grained(1-5mm)									
	<b>Vein Maj. :</b>	<b>Style/%vein/CoreA%/min/min</b>	<b>Comment</b>									
	123.50 - 124.50	VN 10 45 100 QCV	Quartz-Calcite Vein, 100%, 45° CA									
	129.00 - 132.00	FACV 1.5 40 25 QCV	Quartz-Calcite Vein, 25%									
	129.00 - 132.00	FACV 1.5 40 75 EV	Epidote Veining, 75%, 40° CA									
	132.00 - 138.00	FACV 0.5 40 100 CBV	Carbonate Vein, 100%, 40° CA									
	138.00 - 139.00	VN 2 45 100 QCV	Quartz-Calcite Vein, 100%, 45° CA									
	142.00 - 143.00	VN 1.5 50 100 QCV	Quartz-Calcite Vein, 100%, 50° CA									
	146.00 - 146.23	VN 100 45 100 QCV	Quartz-Calcite Vein, 100%, 45° CA									
	150.05 - 160.75	FACV 0.5 45 30 EV	Epidote Veining, 30%									

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	150.05 - 160.75	FACV 0.5 45 70	CBV Carbonate Vein, 70%, 45° CA									
	160.75 - 160.80	CTV 100 45 100	QCV Quartz-Calcite Vein, 100%, 45° CA									
<b>Minor Interval:</b>												
146.23	146.50	IM	Mafic Intrusive									
Dark Grey to Grey-Green Mafic Dyke. Non-magnetic. Fine grained texture. Chlorite and carbonate altered. Weakly foliated in places with carbonate along foliation plane. ~0.1% fine grained disseminated pyrite. Dyke immediately follows a 23cm long qtz-carb vein. Sharp contacts ~45 deg tca.												
<b>Alteration Min:</b>		<b>Type/Style/Intensity</b>	<b>Comment</b>									
146.23 - 146.50		CL PV 4	Chloritization, Pervasive, Strong									
146.23 - 146.50		CB PV 3	Carbonatization, Pervasive, Moderate									
<b>Mineralization Min:</b>		<b>Type/Style/%Mineral</b>	<b>Comment</b>									
146.23 - 146.50		Py DIS 0.1	Pyrite, Disseminated, 0.1%									
<b>Structure Min.:</b>		<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
146.23 - 146.50		CTL 45	Lithological Contact, 45° CA									
146.23 - 146.50		DYK	Dyke									
<b>Texture Min:</b>		<b>Type</b>	<b>Comment</b>									
146.23 - 146.50		FG	Fine Grained (<1mm)									
<b>Vein Min. :</b>		<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
146.23 - 146.50		FPV 3 45 100	CBV Carbonate Vein, 100%, 45° CA									



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<b>Minor Interval:</b>												
147.15	150.05	IM <i>Mafic Intrusive</i>										
Dark Grey to Grey-Green Mafic Dyke. Non-magnetic. Fine grained texture. Chlorite and carbonate altered, pervasively. Minor foliation local to upper contact near 45 deg tca with carbonate along foliation. ~0.1% fg dissemin py. Sharp contacts ~45-50 deg tca.												
<b>Alteration Min:</b>												
<i>Type/Style/Intensity</i> <i>Comment</i>												
147.15 - 150.05      CL PV 3      Chloritization, Pervasive, Moderate												
147.15 - 150.05      CB PV 3      Carbonatization, Pervasive, Moderat												
<b>Mineralization Min:</b>												
<i>Type/Style/%Mineral</i> <i>Comment</i>												
147.15 - 150.05      Py DIS 0.1      Pyrite, Disseminated, 0.1%												
<b>Structure Min.:</b>												
<i>Inte/Type/Core Angle</i> <i>Comment</i>												
147.15 - 150.05      FOL 45      Foliated, 45° CA												
147.15 - 150.05      CTL 45      Lithological Contact, 45° CA												
147.15 - 150.05      DYK      Dyke												
<b>Texture Min:</b>												
<i>Type</i> <i>Comment</i>												
147.15 - 150.05      FG      Fine Grained (<1mm)												
<b>Vein Min. :</b>												
<i>Style/%vein/CoreA/%min/min</i> <i>Comment</i>												
147.15 - 150.05      FPV 2 45 100 CBV      Carbonate Vein, 100%, 45° C/												
160.80	162.80	IMLA <i>Lamprophyre Dyke</i> MP										
Dark Grey-Black Lamprophyre Dyke. Non-magnetic. Fine grained texture. Biotite rich giving a black colouration. Pervasive strong carbonate alteration. Several thin carbonate veinlets throughout. Fine grained disseminated pyrite, ~0.4%. Sharp contacts ~45 degrees to core axis.												
<b>Alteration Maj:</b>												
<i>Type/Style/Intensity</i> <i>Comment</i>												
160.80 - 162.80      CB PV 4      Carbonatization, Pervasive, Strong												
160.80 - 162.80      BIO PV 4      Biotitization, Pervasive, Strong												
<b>Mineralization Maj. :</b>												
<i>Type/Style/%Mineral</i> <i>Comment</i>												
160.80 - 162.80      Py DIS 0.4      Pyrite, Disseminated, 0.4%												

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		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	160.80 - 162.80		CTL 45	Lithological Contact, 45° CA								
	160.80 - 162.80		DYK	Dyke								
		<b>Texture Maj.:</b>	<b>Type</b>	<b>Comment</b>								
	160.80 - 162.80		FG	Fine Grained (<1mm)								
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	160.80 - 162.80		FACV 2 45 100	CBV Carbonate Vein, 100%, 45° CA								
162.80	165.75	<b>IIQDR Quartz Diorite</b>		GY								
		Dark Grey Quartz-Diorite. Non-magnetic. Medium to coarse grained texture. Mesocratic. ~10-15% bluish quartz. Subhedral to euhedral plag crystals, few of which are weakly epidote altered. Weak carbonate alteration. Weak chlorite alteration. Thin to hairline carbonate veinlets at moderate angles to core axis. Fine grained disseminated pyrite, ~0.1%. Diffuse lower contact ~50 degrees to core axis.										
		<b>Alteration Maj.:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
	162.80 - 165.75		EP AFG 1	Epidotization, Alteration of feldspar grains, Very weak								
	162.80 - 165.75		CL PV 2	Chloritization, Pervasive, Weak								
	162.80 - 165.75		CB SPT 2	Carbonatization, Spotty/Patchy, Weak								
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	162.80 - 165.75		Py DIS 0.1	Pyrite, Disseminated, 0.1%								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	162.80 - 165.75		W FAC 45	Fractured, 45° CA								
		<b>Texture Maj.:</b>	<b>Type</b>	<b>Comment</b>								
	162.80 - 165.75		CG	Coarse Grained (>5mm)								
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	162.80 - 165.75		VN 2 45 100	CBV Carbonate Vein, 100%, 45° CA								

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<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
165.75	224.85	<b>IITNL Tonalite</b> <b>T</b>	CR	242214	170.00	171.00	1.00	<0	-	<0.01	-	-
<p>Light Grey to Cream coloured Altered Tonalite. Non-magnetic. Medium grained texture. Moderately albite altered. Moderate to weak interstitial biotite with weak interstitial chlorite. Silicified and sericitized alteration halos are often noted along fractures and veinlets. Very weak patchy pink hematite alteration. Minor fg py along fractures and in few veins. Heightened veining is hosted between 204 and 206m in a zone of carbonate and sericite alteration with ~8% qtz-carb veins at low to moderate angles to core axis hosting ~0.4 to 0.5% py. Another zone with heightened fractures and veins hosting ~0.4-0.5% py in veins and fractures is intersected from ~219 to 224.85m with sericite along fractures. Tonalite ends at 224.85m with the intersection of an intermediate dyke below with a sharp contact near 40 degrees to core axis.</p>												
<b>Alteration Maj:</b>				<b>Type/Style/Intensity</b>		<b>Comment</b>						
165.75 - 180.00		SR HLO 2	Sericitization, Alteration Halo, Weak	242222	205.00	206.00	1.00	<0	-	<0.01	-	-
165.75 - 180.00		HM SPT 1	Hematization, Spotty/Patchy, Very weak	242223	206.00	207.00	1.00	<0	-	<0.01	-	-
165.75 - 180.00		BIO IS 3	Biotitization, Interstitial, Moderate	242224	207.00	208.00	1.00	<0	-	<0.01	-	-
165.75 - 180.00		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	242225	208.00	209.00	1.00	<0	-	<0.01	-	-
180.00 - 204.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	242227	209.00	210.00	1.00	<0	-	<0.01	-	-
180.00 - 204.00		CL IS 2	Chloritization, Interstitial, Weak	242228	210.00	211.00	1.00	<0	-	<0.01	-	-
180.00 - 204.00		SR HLO 2	Sericitization, Alteration Halo, Weak	242229	211.00	212.00	1.00	<0	-	<0.01	-	-
180.00 - 204.00		BIO IS 2	Biotitization, Interstitial, Weak	242230	219.00	220.00	1.00	<0	-	<0.01	<0.01	-
204.00 - 218.00		SR HLO 3	Sericitization, Alteration Halo, Moderate	242231	220.00	221.00	1.00	<0	-	<0.01	-	-
204.00 - 218.00		CB SPT 2	Carbonatization, Spotty/Patchy, Weak	242232	221.00	222.00	1.00	0	-	0.01	-	-
204.00 - 218.00		BIO IS 3	Biotitization, Interstitial, Moderate	242234	222.00	223.00	1.00	<0	-	<0.01	-	-
204.00 - 218.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	242235	223.00	224.00	1.00	<0	-	<0.01	-	-
218.00 - 224.85		EP FRC 2	Epidotization, Along Fractures, Weak	242236	224.00	224.85	0.85	<0	-	<0.01	-	-
218.00 - 224.85		HM AFG 3	Hematization, Alteration of feldspar grains, Moderate									
218.00 - 224.85		BIO IS 2	Biotitization, Interstitial, Weak									
218.00 - 224.85		SR HLO 1	Sericitization, Alteration Halo, Very weak									
<b>Mineralization Maj. :</b>				<b>Type/Style/%Mineral</b>		<b>Comment</b>						
165.75 - 204.00		Py FAC 0.15	Pyrite, Fracture-controlled, 0.15%									

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00028**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	204.00 - 206.00	Py FAC 0.2	Pyrite, Fracture-controlled, 0.2%									
	204.00 - 206.00	Py VN 0.3	Pyrite, Vein-controlled, 0.3%									
	206.00 - 212.00	Py FAC 0.25	Pyrite, Fracture-controlled, 0.25%									
	212.00 - 221.00	Py FAC 0.15	Pyrite, Fracture-controlled, 0.15%									
	221.00 - 222.00	Cpy FAC 0.05	Chalcopyrite, Fracture-controlled, 0.05%									
	221.00 - 222.00	Py FAC 0.15	Pyrite, Fracture-controlled, 0.15%									
	222.00 - 224.85	Py FAC 0.15	Pyrite, Fracture-controlled, 0.15%									
	<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
	165.75 - 224.85	W CTL 40	Lithological Contact, 40° CA, lower									
	165.75 - 224.85	W FAC 55	Fractured, 55° CA									
	165.75 - 224.85	W FAC 45	Fractured, 45° CA									
	165.75 - 224.85	W FAC 40	Fractured, 40° CA									
	<b>Texture Maj.:</b>	<b>Type</b>	<b>Comment</b>									
	165.75 - 224.85	MG	Medium Grained(1-5mm)									
	<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
	179.00 - 180.00	VN 3 55 100 QV	Quartz Vein, 100%, 55° CA									
	180.00 - 181.00	VN 1 55 100 QCV	Quartz-Calcite Vein, 100%, 55° CA									
	181.00 - 187.00	VN 0.5 45 40 QCV	Quartz-Calcite Vein, 40%									
	181.00 - 187.00	VN 0.5 45 60 CBV	Carbonate Vein, 60%, 45° CA									
	187.00 - 188.00	VN 3 45 100 QCV	Quartz-Calcite Vein, 100%, 45° CA									
	189.00 - 190.00	VN 4 30 100 QCV	Quartz-Calcite Vein, 100%, 30° CA									
	190.00 - 204.00	VN 0.5 40 100 CBV	Carbonate Vein, 100%, 40° CA									
	204.00 - 206.00	VN 8 40 100 QCV	Quartz-Calcite Vein, 100%, 40° CA									
	206.00 - 210.00	FACV 1.5 45 100 CBV	Carbonate Vein, 100%, 45° CA									
	210.00 - 212.00	VN 3 45 50 QCV	Quartz-Calcite Vein, 50%									
	210.00 - 212.00	VN 3 45 50 CBV	Carbonate Vein, 50%, 45° CA									
	212.00 - 220.00	FACV 1 45 100 CBV	Carbonate Vein, 100%, 45° CA									
	220.00 - 224.85	FACV 2 40 50 CBV	Carbonate Vein, 50%									
	220.00 - 224.85	FACV 2 40 50 QCV	Quartz-Calcite Vein, 50%, 40° CA									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
224.85	239.62	<b>II Intermediate Intrusive</b>	GG	242237	230.30	231.00	0.70	<0	-	<0.01	-	-
		Dark Grey to Grey-Green Intermediate Dyke. Weakly magnetic. Overall fine grained texture with a few medium grained biotite grains. Spotty weak epidote alteration. Aphanitic texture appears to be feldspar rich and siliceous. Several thin to hairline carbonate veinlets near 40-45 deg tca with few x-cutting at ~45 deg tca as well. A pink hematite altered tonalite raft is intersected from 230.30 to 231.50m and is followed by a ~30cm long qtz-carb vein. Another short altered tonalite dyke is intersected from 237.75 to 238.30m. Dyke appears to be weakly foliated near 45 degrees to core axis, this is more obvious near 236m. Weakly mineralized with ~0.15% disseminated pyrite, mineralization is mainly hosted within veins within the tonalite rafts. Sharp lower contact ~45 degrees to core axis.		242239	231.00	231.50	0.50	0	-	0.02	-	-
				242240	231.50	232.50	1.00	<0	-	<0.01	<0.01	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
224.85 - 239.62		HM	FRC 1	Hematization, Along Fractures, Very weak								
224.85 - 239.62		EP	SPT 2	Epidotization, Spotty/Patchy, Weak								
224.85 - 239.62		CB	PV 4	Carbonatization, Pervasive, Strong								
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
224.85 - 239.62		Py	DIS 0.15	Pyrite, Disseminated, 0.15%								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
224.85 - 239.62		FOL	45	Foliated, 45° CA								
224.85 - 239.62		CTL	45	Lithological Contact, 45° CA								
224.85 - 239.62		DYK		Dyke								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
224.85 - 239.62		FG		Fine Grained (<1mm)								
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
224.85 - 239.62		FACV	2 45 20	QCV	Quartz-Calcite Vein, 20%							
224.85 - 239.62		FACV	2 45 80	CBV	Carbonate Vein, 80%, 45° CA							
<b>Minor Interval:</b>												
230.30	231.50	IITNL	Tonalite									
		T										
		Pink Altered Tonalite. Non-magnetic. Medium grained texture. Weakly hematite altered. Weak interstitial biotite and chlorite. ~30cm long qtz-carb vein at end of raft with ~0.15% cpy and ~0.1% py. Sharp lower contact ~30 deg tca.										
		<b>Alteration Min:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								

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Project: **COTE GOLD**

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
230.30 - 231.50		SR FRC 2	Sericitization, Along Fractures, Weak									
230.30 - 231.50		BIO IS 2	Biotitization, Interstitial, Weak									
230.30 - 231.50		CL IS 2	Chloritization, Interstitial, Weak									
230.30 - 231.50		HM AFG 2	Hematization, Alteration of feldspar g									
<b>Mineralization Min:</b>		<b>Type/Style/%Mineral</b>	<b>Comment</b>									
230.30 - 231.50		Py FAC 0.05	Pyrite, Fracture-controlled, 0.05%									
230.30 - 231.50		Py VN 0.15	Pyrite, Vein-controlled, 0.15%									
230.30 - 231.50		Cpy VN 0.15	Chalcopyrite, Vein-controlled, 0.15%									
<b>Structure Min.:</b>		<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
230.30 - 231.50		CTL 30	Lithological Contact, 30° CA, lower									
230.30 - 231.50		CTL 40	Lithological Contact, 40° CA, upper									
230.30 - 231.50		RFT	Raft									
<b>Texture Min:</b>		<b>Type</b>	<b>Comment</b>									
230.30 - 231.50		MG	Medium Grained(1-5mm)									
<b>Vein Min. :</b>		<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
231.00 - 231.50		VN 75 30 100	QCV Quartz-Calcite Vein, 100%, 30									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
<b>Minor Interval:</b>												
237.75	238.30	IITNL Tonalite T										
<p>Pink-Green Altered Tonalite Raft. Non-magnetic. Medium grained texture. Weakly hematite altered. Weak interstitial biotite and chlorite. Patchy epidote alteration. Minor qtz veining near 45 deg tca local to upper contact with nil sulphides. Tr dissem py. Sharp contacts ~45 deg tca.</p>												
<b>Alteration Min:</b>												
		<b>Type/Style/Intensity</b>	<b>Comment</b>									
237.75 - 238.30		BIO IS 2	Biotitization, Interstitial, Weak									
237.75 - 238.30		CL IS 2	Chloritization, Interstitial, Weak									
237.75 - 238.30		EP AFG 2	Epidotization, Alteration of feldspar g									
237.75 - 238.30		HM AFG 2	Hematization, Alteration of feldspar g									
<b>Mineralization Min:</b>												
		<b>Type/Style/%Mineral</b>	<b>Comment</b>									
237.75 - 238.30		Py FAC 0.1	Pyrite, Fracture-controlled, 0.1%									
<b>Structure Min.:</b>												
		<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
237.75 - 238.30		CTL 45	Lithological Contact, 45° CA									
237.75 - 238.30		RFT	Raft									
<b>Texture Min:</b>												
		<b>Type</b>	<b>Comment</b>									
237.75 - 238.30		MG	Medium Grained(1-5mm)									
<b>Vein Min. :</b>												
		<b>Style/%vein/CoreA%/min/min</b>	<b>Comment</b>									
237.75 - 238.30		VN 4 45 100	QCV	Quartz-Calcite Vein, 100%, 45								

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
239.62	250.35	<b>IITNL Tonalite</b> T	PI	242241	241.00	242.00	1.00	<0	-	<0.01	-	-	
		<p>Altered Tonalite. Pink in colour. Non-magnetic. Medium grained texture. Patchy to semi-pervasive weak pink hematite alteration as well as hemaite veinlets and fractures throughout at moderate angles to core axis. Weakly albite altered. Weak interstitial chlorite and biotite. Between 241 to 246m there are several qtz-biotite, qtz-carb and qtz-epidote veins near 45 degrees to core axis hosting ~0.15 to 0.25% py as well as several chloritic and biotitic fractures hosting trace to 0.15% py. Again several more qtz veins are intersected from 249 to 250.35m hosting minor fg py. Sharp lower contact is near 40-45 degrees to core axis.</p>		242242	242.00	243.00	1.00	<0	-	<0.01	-	-	
			242243	243.00	244.00	1.00	<0	-	<0.01	-	-		
			242244	244.00	245.00	1.00	<0	-	<0.01	-	-		
			242245	245.00	246.00	1.00	<0	-	<0.01	-	-		
			242246	246.00	247.00	1.00	<0	-	<0.01	-	-		
			242247	247.00	248.00	1.00	<0	-	<0.01	-	-		
			242248	248.00	249.00	1.00	<0	-	<0.01	-	-		
			242249	249.00	250.35	1.35	<0	-	<0.01	-	-		
			<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		239.62 - 250.35	BIO IS 2	Biotitization, Interstitial, Weak									
		239.62 - 250.35	EP FRC 2	Epidotization, Along Fractures, Weak									
		239.62 - 250.35	AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
		239.62 - 250.35	HM SPT 2	Hematization, Spotty/Patchy, Weak									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>									
		239.62 - 241.00	Py FAC 0.1	Pyrite, Fracture-controlled, 0.1%									
		241.00 - 246.00	Py VN 0.2	Pyrite, Vein-controlled, 0.2%									
		241.00 - 246.00	Py FAC 0.2	Pyrite, Fracture-controlled, 0.2%									
		246.00 - 249.00	Py FAC 0.15	Pyrite, Fracture-controlled, 0.15%									
		249.00 - 250.35	Py FAC 0.1	Pyrite, Fracture-controlled, 0.1%									
		249.00 - 250.35	Py VN 0.2	Pyrite, Vein-controlled, 0.2%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
		239.62 - 250.35	W CTL 40	Lithological Contact, 40° CA, lower									
		239.62 - 250.35	W FAC 50	Fractured, 50° CA									
		239.62 - 250.35	W FAC 45	Fractured, 45° CA									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>									
		239.62 - 250.35	MG	Medium Grained(1-5mm)									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
		241.00 - 242.00	VN 10 55 80	QBV Quartz-Biotite Vein, 80%									
		241.00 - 242.00	VN 10 55 20	QCV Quartz-Calcite Vein, 20%, 55° CA									



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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	242.00 - 243.00	VN 1 50 100 QEV	Quartz-Epidote, 100%, 50° CA									
	243.00 - 244.00	VN 5 40 100 QBV	Quartz-Biotite Vein, 100%, 40° CA									
	244.00 - 245.00	VN 3 45 60 QCV	Quartz-Calcite Vein, 60%									
	244.00 - 245.00	VN 3 45 40 QBV	Quartz-Biotite Vein, 40%, 45° CA									
	245.00 - 246.00	VN 1.5 45 100 QCHLV	Quartz-Chlorite Vein, 100%, 45° CA									
	246.00 - 249.00	FACV 0.5 45 50 CBV	Carbonate Vein, 50%									
	246.00 - 249.00	FACV 0.5 45 50 QCHLV	Quartz-Chlorite Vein, 50%, 45° CA									
	249.00 - 250.35	VN 4 50 100 QV	Quartz Vein, 100%, 50° CA									
250.35	280.90	<b>IMDIA Diabase</b>	GY	242250	250.35	251.35	1.00	<0	-	<0.01	<0.01	-
		Dark Grey Diabase Dyke. Magnetic. Medium grained texture with a ~3m long fine grained upper and lower chill margin. Mgr gabbroic/igneous texture is evident. <1% anhedral rounded to subrounded 0.5-2.5cm long weakly epidote altered feldspar phenocrysts. <1% thin carbonate veinlets at moderate to steep angles to core axis. Trace fg disseminated pyrite. Lower ~1.5m of the dyke are fairly broken up/rubbly. Lower contact is sharp near 40 degrees to core axis.										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
	250.35 - 280.90	EP XN 2	Epidotization, Xenoliths, Weak									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	250.35 - 280.90	Py DIS 0.05	Pyrite, Disseminated, 0.05%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	250.35 - 280.90	CTL 40	Lithological Contact, 40° CA									
	250.35 - 280.90	DYK	Dyke									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
	250.35 - 280.90	MG	Medium Grained(1-5mm)									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	250.35 - 280.90	FACV 0.5 45 100 CBV	Carbonate Vein, 100%, 45° CA									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
280.90	300.00	<b>IITNL Tonalite</b> T		242252	283.00	284.00	1.00	0	-	0.02	-	-
		Pink to Pink-Grey Altered Tonalite. Non-magnetic. Medium grained texture. Patchy to semi-pervasive weak pink hematite alteration. Interstitial weak chlorite and biotite. Weak epidote along fractures/veinlets. Minor chloritic veinlets/fractures at moderate angles to core axis. A few (1% or less) thin qtz veinlets are present at moderate angles to core axis, few host minor fg py (tr to 0.1%) such as that near 283m. Overall mineralization is mainly hosted along fractures as fg py, tr to ~0.1%. End of hole is 300.0 meters.		242254	284.00	285.00	1.00	<0	-	<0.01	-	-
				242255	285.00	286.00	1.00	<0	-	<0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		280.90 - 300.00	EP FRC 2	Epidotization, Along Fractures, Weak								
		280.90 - 300.00	BIO IS 2	Biotitization, Interstitial, Weak								
		280.90 - 300.00	HM SPT 2	Hematization, Spotty/Patchy, Weak								
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		280.90 - 300.00	Py VN 0.05	Pyrite, Vein-controlled, 0.05%								
		280.90 - 300.00	Py FAC 0.15	Pyrite, Fracture-controlled, 0.15%								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
		280.90 - 300.00	W FAC 50	Fractured, 50° CA								
		280.90 - 300.00	W FAC 45	Fractured, 45° CA								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
		280.90 - 300.00	MG	Medium Grained(1-5mm)								
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
		280.90 - 300.00	0.5 50 50 CBV	Carbonate Vein, 50%								
		280.90 - 300.00	0.5 50 50 QV	Quartz Vein, 50%, 50° CA								
<b>Minor Interval:</b>												
281.65	282.60	IM <i>Mafic Intrusive</i>										
		Dark Grey-Green Mafic Dyke. Non-magnetic. Fine grained texture. Foliated near 20 deg tca. Chlorite and carbonate altered. Tr disseminated pyrite. Shallow and sharp contacts, ~30-40 degrees to core axis.										
		<b>Alteration Min:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		281.65 - 282.60	CL PV 3	Chloritization, Pervasive, Moderate								
		<b>Mineralization Min:</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		281.65 - 282.60	Py DIS 0.05	Pyrite, Disseminated, 0.05%								

**LITHOLOGY REPORT**  
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Hole Number **CL12-00028**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
		<b>Structure Min.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
281.65	282.60	CTL	40	Lithological Contact, 40° CA, lower								
281.65	282.60	CTL	30	Lithological Contact, 30° CA								
281.65	282.60	DYK		Dyke								
		<b>Texture Min:</b>	<b>Type</b>	<b>Comment</b>								
281.65	282.60	FG		Fine Grained (<1mm)								
		<b>Vein Min. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
281.65	282.60	FACV	3 40 100	CBV	Carbonate Vein, 100%, 40° C)							

## QUALITY CONTROL REPORT

Hole Number **CL12-00028**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	
242151	STANDARD		OREAS 204	AccurAssay	-	-	1.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242163	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242176	STANDARD		OREAS 206	AccurAssay	-	-	2.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242200	FDUP	242178		AccurAssay	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242188	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242202	STANDARD		OREAS 501	AccurAssay	-	-	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242213	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242233	FDUP	242211		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242226	STANDARD		OREAS 504	AccurAssay	-	-	1.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242253	FDUP	242231		AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242238	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242251	STANDARD		OREAS 204	AccurAssay	-	-	1.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

# DRILL HOLE REPORT

Hole Number: **CL12-00029**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 320	<b>Length:</b> 0	<b>Dimension:</b> BQTW	<b>Claim No.:</b> 546987	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -45	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 367.5	<b>Capped:</b> No	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 20-May-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 02-Jun-12	<b>Left in hole:</b> no	<b>Logged by:</b> Martin Laforest	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 20-May-12	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
<b>Comment:</b>			<b>East:</b> 431740	<b>East:</b> 431740
			<b>North:</b> 5264709	<b>North:</b> 5264709
			<b>Elev.:</b> 389	<b>Elev.:</b> 389
			<b>Coordinate - Local</b>	<b>East:</b> 9900
				<b>North:</b> 7100
				<b>Elev.:</b> 389

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	320.00	-45.00	0	0	0	0	C	<input type="checkbox"/>	
6.00	319.60	-44.40	0	0	0	56710	Flexit	<input checked="" type="checkbox"/>	
50.00	320.40	-44.10	0	0	0	56010	Flexit	<input checked="" type="checkbox"/>	
100.00	319.00	-43.50	0	0	0	55830	Flexit	<input checked="" type="checkbox"/>	
150.00	321.60	-41.70	0	0	0	55790	Flexit	<input checked="" type="checkbox"/>	
201.00	337.90	-38.70	0	0	0	55780	Flexit	<input type="checkbox"/>	
252.00	327.90	-36.80	0	0	0	55710	Flexit	<input checked="" type="checkbox"/>	
300.00	326.30	-35.70	0	0	0	55760	Flexit	<input checked="" type="checkbox"/>	
351.00	325.60	-32.20	0	0	0	55480	Flexit	<input checked="" type="checkbox"/>	

**LITHOLOGY REPORT**  
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<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
0.00	5.40	<b>OB Overburden</b>										
5.40	334.00	<b>IITNL Tonalite</b> <b>T</b>	CR	408625	30.00	31.00	1.00	0	-	0.01	-	-
<p>Tonalite with phaneritic texturing near surface. Throughout coarse grained phaneritic section we find silicified patches and silicified halos along quartz-chlorite stringers. Intergranular biotite and albitized feldspar is common throughout phaneritic sections up to 32.1m. Quartz chlorite stringers have core axis angles ranging from 10 to 70 degree. Mafic and lamprophyre dyke occur between 31m and lower contact of unit. These dykes include magnetite throughout and are either foliated with mineralized quartz carbonates along weak planes, include interstitial pervasive epidote alteration, or porphyritic texturing with quartz and feldspar phenocrysts. Pervasive hematite alteration and intensely altered stringers occur between 29m and 65m. Weak sulphide mineralization localized along veinlets occurs between 31m and 71.2m in association with intermittent mafic intrusives. Strongly albitized, sericitized, and silicified section between 78m and 79.3m and 87.8m and 94m. Intensely altered hematite stringers occur between 104m and 106m - this phenomenon occurs sporadically throughout unit no matter texture. Beyond 94m the texture is phaneritic with medium to coarse subhedral grains and patchy to selectively pervasive sercite alteration throughout. Trace to no mineralization with any pyrite localized along veinlets. Intermittent mafic dykes occur throughout as well as sections of chloritized stringers/stockwork. Lower contact dips at 50 degrees to core axis.</p>												
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		5.40 - 25.30	SR FRC 4	Sericitization, Along Fractures, Strong	408626	31.00	32.10	1.10	<0	-	<0.01	-
		5.40 - 25.30	SI PV 2	Silicification, Pervasive, Weak	408627	32.10	33.00	0.90	0	-	0.01	-
		5.40 - 25.30	CL FRC 3	Chloritization, Along Fractures, Moderate	408628	33.00	34.00	1.00	0	-	0.01	-
		5.40 - 25.30	AB AFG 2	Albitization, Alteration of feldspar grains, Weak	408629	34.00	34.90	0.90	0	-	0.01	-
		25.30 - 34.00	AB AFG 4	Albitization, Alteration of feldspar grains, Strong	408630	34.90	35.70	0.80	0	-	0.01	-
		25.30 - 34.00	SI FRC 2	Silicification, Along Fractures, Weak	408631	35.70	36.70	1.00	0	-	0.01	-
					408632	36.70	37.60	0.90	0	-	0.01	-
					408633	37.60	38.60	1.00	<0	-	<0.01	<0.01
					408634	38.60	39.40	0.80	0	-	0.01	-
					408635	39.40	40.40	1.00	<0	-	<0.01	-
					408636	40.40	41.40	1.00	0	-	0.01	-
					408637	41.40	42.20	0.80	<0	-	<0.01	-
					408638	42.20	43.00	0.80	0	-	0.01	-
					408639	43.00	43.90	0.90	0	-	0.01	-
					408640	43.90	44.80	0.90	0	-	0.01	-
					408641	44.80	45.60	0.80	<0	-	<0.01	-
					408642	45.60	46.50	0.90	0	-	0.01	-
					408643	46.50	47.30	0.80	0	-	0.01	-
					408644	47.30						

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25.30 - 34.00		HM FRC 4	Hematization, Along Fractures, Strong	408646	47.30	48.20	0.90	0	-	0.01	-	-
25.30 - 34.00		HM AFG 3	Hematization, Alteration of feldspar grains, Moderate	408647	48.20	49.00	0.80	0	-	0.01	-	-
34.00 - 57.20		HM PV 2	Hematization, Pervasive, Weak	408648	49.00	50.00	1.00	<0	-	<0.01	-	-
34.00 - 57.20		HM FRC 4	Hematization, Along Fractures, Strong	408649	50.00	51.00	1.00	<0	-	<0.01	-	-
34.00 - 57.20		AB AFG 4	Albitization, Alteration of feldspar grains, Strong	408650	51.00	52.10	1.10	<0	-	<0.01	-	-
34.00 - 57.20		SI PV 2	Silicification, Pervasive, Weak	408651	52.10	52.80	0.70	0	-	0.01	-	-
34.00 - 57.20		SI PV 2	Silicification, Pervasive, Weak	408652	52.80	53.60	0.80	<0	-	<0.01	-	-
57.20 - 71.20		HM FRC 5	Hematization, Along Fractures, Intense	408653	53.60	54.30	0.70	0	-	0.01	-	-
57.20 - 71.20		SR PV 2	Sericitization, Pervasive, Weak	408654	54.30	55.20	0.90	<0	-	<0.01	0.01	-
57.20 - 71.20		SI PV 4	Silicification, Pervasive, Strong	408655	55.20	56.20	1.00	0	-	0.01	-	-
57.20 - 71.20		CL FRC 4	Chloritization, Along Fractures, Strong	408656	56.20	57.20	1.00	0	-	0.01	-	-
71.20 - 78.00		SR PV 3	Sericitization, Pervasive, Moderate	408658	57.20	58.00	0.80	<0	-	<0.01	-	-
71.20 - 78.00		HM SPT 1	Hematization, Spotty/Patchy, Very weak	408659	58.00	59.00	1.00	<0	-	<0.01	-	-
71.20 - 78.00		SI PV 2	Silicification, Pervasive, Weak	408660	59.00	60.00	1.00	<0	-	<0.01	-	-
71.20 - 78.00		BIO IG 3	Biotitization, Intergranular, Moderate	408661	60.00	61.10	1.10	<0	-	<0.01	-	-
78.00 - 79.30		AB PV 5	Albitization, Pervasive, Intense	408662	61.10	62.00	0.90	0	-	0.01	-	-
78.00 - 79.30		SI PV 4	Silicification, Pervasive, Strong	408663	62.00	63.00	1.00	<0	-	<0.01	-	-
78.00 - 79.30		SI PV 4	Silicification, Pervasive, Strong	408664	63.00	64.00	1.00	<0	-	<0.01	<0.01	-
78.00 - 79.30		SR PV 4	Sericitization, Pervasive, Strong	408665	64.00	65.00	1.00	<0	-	<0.01	-	-
78.00 - 79.30		HM SPT 2	Hematization, Spotty/Patchy, Weak	408666	65.00	66.00	1.00	<0	-	<0.01	-	-
79.30 - 87.80		SI PV 3	Silicification, Pervasive, Moderate	408667	66.00	67.00	1.00	<0	-	<0.01	-	-
79.30 - 87.80		HM SPT 1	Hematization, Spotty/Patchy, Very weak	408668	67.00	68.00	1.00	<0	-	<0.01	-	-
79.30 - 87.80		SR MTV 4	Sericitization, Marginal to veins, Strong	408670	68.00	69.00	1.00	0	-	0.01	-	-
79.30 - 87.80		BIO IG 3	Biotitization, Intergranular, Moderate	408671	69.00	70.00	1.00	0	-	0.01	-	-
87.80 - 94.00		HM SPT 1	Hematization, Spotty/Patchy, Very weak	408672	70.00	71.20	1.20	<0	-	<0.01	-	-
87.80 - 94.00		SR PV 4	Sericitization, Pervasive, Strong	408673	71.20	72.00	0.80	<0	-	<0.01	-	-
87.80 - 94.00		AB PV 5	Albitization, Pervasive, Intense	408674	72.00	73.00	1.00	<0	-	<0.01	<0.01	-

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87.80 - 94.00		SI PV 4	Silicification, Pervasive, Strong	408675	73.00	74.00	1.00	<0	-	<0.01	-	-
94.00 - 110.00		HM AFG 3	Hematization, Alteration of feldspar grains, Moderate	408676	74.00	75.00	1.00	<0	-	<0.01	-	-
94.00 - 110.00		HM FRC 4	Hematization, Along Fractures, Strong	408677	75.00	76.00	1.00	<0	-	<0.01	-	-
94.00 - 110.00		BIO IG 3	Biotitization, Intergranular, Moderate	408678	76.00	77.00	1.00	<0	-	<0.01	-	-
94.00 - 110.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	408679	77.00	78.00	1.00	<0	-	<0.01	-	-
110.00 - 116.00		EP AFG 3	Epidotization, Alteration of feldspar grains, Moderate	408680	78.00	79.30	1.30	<0	-	<0.01	-	-
110.00 - 116.00		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	408681	79.30	80.20	0.90	0	-	0.01	-	-
110.00 - 116.00		HM FRC 3	Hematization, Along Fractures, Moderate	408683	80.20	81.00	0.80	0	-	0.01	-	-
110.00 - 116.00		BIO IG 2	Biotitization, Intergranular, Weak	408684	81.00	82.00	1.00	<0	-	<0.01	<0.01	-
116.00 - 162.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak	408685	82.00	83.00	1.00	0	-	0.01	-	-
116.00 - 162.00		BIO IG 3	Biotitization, Intergranular, Moderate	408686	83.00	84.00	1.00	<0	-	<0.01	-	-
116.00 - 162.00		SI PV 2	Silicification, Pervasive, Weak	408687	84.00	85.00	1.00	<0	-	<0.01	-	-
116.00 - 162.00		SR SPT 4	Sericitization, Spotty/Patchy, Strong	408688	85.00	86.00	1.00	<0	-	<0.01	-	-
162.00 - 188.90		SI PV 3	Silicification, Pervasive, Moderate	408689	86.00	87.00	1.00	<0	-	<0.01	-	-
162.00 - 188.90		SR PV 5	Sericitization, Pervasive, Intense	408690	87.00	87.80	0.80	<0	-	<0.01	-	-
162.00 - 188.90		BIO IG 3	Biotitization, Intergranular, Moderate	408691	87.80	88.70	0.90	<0	-	<0.01	-	-
162.00 - 188.90		CL FRC 3	Chloritization, Along Fractures, Moderate	408692	88.70	89.60	0.90	<0	-	<0.01	-	-
188.90 - 209.00		SI PV 3	Silicification, Pervasive, Moderate	408693	89.60	90.30	0.70	<0	-	<0.01	-	-
188.90 - 209.00		BIO IG 4	Biotitization, Intergranular, Strong	408695	90.30	91.00	0.70	<0	-	<0.01	-	-
188.90 - 209.00		CL FRC 2	Chloritization, Along Fractures, Weak	408696	91.00	92.00	1.00	<0	-	<0.01	-	-
188.90 - 209.00		CB FRC 2	Carbonatization, Along Fractures, Weak	408697	92.00	93.00	1.00	<0	-	<0.01	-	-
209.00 - 221.90		BIO IG 3	Biotitization, Intergranular, Moderate	408698	93.00	94.00	1.00	<0	-	<0.01	-	-
209.00 - 221.90		SI PV 4	Silicification, Pervasive, Strong	408699	94.00	95.00	1.00	<0	-	<0.01	-	-
209.00 - 221.90		CB FRC 2	Carbonatization, Along Fractures, Weak	408700	213.00	214.00	1.00	0	-	0.01	-	-
209.00 - 221.90		SR PV 4	Sericitization, Pervasive, Strong	408701	214.00	215.00	1.00	0	-	0.01	-	-
209.00 - 221.90		CB FRC 2	Carbonatization, Along Fractures, Weak	408702	215.00	216.00	1.00	0	-	0.02	-	-
209.00 - 221.90		SR PV 4	Sericitization, Pervasive, Strong	408703	216.00	216.80	0.80	0	-	0.01	-	-



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221.90 - 243.00		HM MTV 4	Hematization, Marginal to veins, Strong	408704	216.80	217.50	0.70	<0	-	<0.01	0.01	-	
221.90 - 243.00		SI PV 2	Silicification, Pervasive, Weak	408705	217.50	218.70	1.20	0	-	0.01	-	-	
221.90 - 243.00		AB PV 4	Albitization, Pervasive, Strong	408706	218.70	219.50	0.80	<0	-	<0.01	-	-	
221.90 - 243.00		BIO IG 3	Biotitization, Intergranular, Moderate	408708	219.50	220.30	0.80	0	-	0.01	-	-	
243.00 - 254.00		SR PV 3	Sericitization, Pervasive, Moderate	408709	220.30	221.00	0.70	0	-	0.02	-	-	
243.00 - 254.00		BIO IG 3	Biotitization, Intergranular, Moderate	408710	221.00	221.90	0.90	0	-	0.01	-	-	
243.00 - 254.00		SR MTV 4	Sericitization, Marginal to veins, Strong	408711	221.90	223.00	1.10	0	-	0.01	-	-	
243.00 - 254.00		SR MTV 4	Sericitization, Marginal to veins, Strong	408712	223.00	223.80	0.80	0	-	0.01	-	-	
254.00 - 268.00		SI MTV 4	Silicification, Marginal to veins, Strong	408713	223.80	224.60	0.80	0	-	0.01	-	-	
254.00 - 268.00		SR FRC 2	Sericitization, Along Fractures, Weak	408714	224.60	225.40	0.80	0	-	0.01	<0.01	-	
254.00 - 268.00		HM AFG 3	Hematization, Alteration of feldspar grains, Moderate	408715	225.40	226.20	0.80	0	-	0.07	-	-	
254.00 - 268.00		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	408716	226.20	227.00	0.80	0	-	0.01	-	-	
268.00 - 294.00		BIO IG 3	Biotitization, Intergranular, Moderate	408717	227.00	228.00	1.00	<0	-	<0.01	-	-	
268.00 - 294.00		SR FRC 2	Sericitization, Along Fractures, Weak	408718	228.00	229.00	1.00	0	-	0.02	-	-	
268.00 - 294.00		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	408720	229.00	230.00	1.00	<0	-	<0.01	-	-	
268.00 - 294.00		HM MTV 4	Hematization, Marginal to veins, Strong	408721	230.00	231.00	1.00	<0	-	<0.01	-	-	
294.00 - 317.50		SI PV 4	Silicification, Pervasive, Strong	408722	231.00	231.80	0.80	0	-	0.01	-	-	
294.00 - 317.50		SI PV 4	Silicification, Pervasive, Strong	408723	231.80	232.60	0.80	<0	-	<0.01	-	-	
294.00 - 317.50		HM AFG 3	Hematization, Alteration of feldspar grains, Moderate	408724	232.60	233.40	0.80	<0	-	<0.01	<0.01	-	
294.00 - 317.50		BIO IG 3	Biotitization, Intergranular, Moderate	408725	233.40	234.20	0.80	<0	-	<0.01	-	-	
294.00 - 317.50		SR FRC 1	Sericitization, Along Fractures, Very weak	408726	234.20	235.00	0.80	<0	-	<0.01	-	-	
317.50 - 334.00		HM FRC 4	Hematization, Along Fractures, Strong	408727	235.00	236.00	1.00	0	-	0.01	-	-	
317.50 - 334.00		CL FRC 4	Chloritization, Along Fractures, Strong	408728	236.00	237.00	1.00	<0	-	<0.01	-	-	
317.50 - 334.00		BIO IG 3	Biotitization, Intergranular, Moderate	408729	237.00	238.00	1.00	0	-	0.01	-	-	
317.50 - 334.00		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate	408730	238.00	239.00	1.00	0	-	0.01	-	-	
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>	408731	239.00	240.00	1.00	0	-	0.03	-	-
30.00 - 58.00		Cpy VN 0.2	Chalcopyrite, Vein-controlled, 0.2%	408733	240.00	241.00	1.00	0	-	0.02	-	-	

**LITHOLOGY REPORT**  
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Hole Number **CL12-00029**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
30.00 - 58.00		Py VN 0.3	Pyrite, Vein-controlled, 0.3%	408734	241.00	242.00	1.00	<0	-	<0.01	<0.01	-	
58.00 - 74.00		Py VN 0.3	Pyrite, Vein-controlled, 0.3%	408735	242.00	243.00	1.00	0	-	0.01	-	-	
74.00 - 95.00		Py VN 0.2	Pyrite, Vein-controlled, 0.2%	408736	243.00	244.00	1.00	<0	-	<0.01	-	-	
216.00 - 244.00		Py VN 0.5	Pyrite, Vein-controlled, 0.5%	408737	244.00	245.00	1.00	<0	-	<0.01	-	-	
273.00 - 286.00		Py VN 0.3	Pyrite, Vein-controlled, 0.3%	408738	245.00	246.00	1.00	<0	-	<0.01	-	-	
300.10 - 318.50		Py VN 0.4	Pyrite, Vein-controlled, 0.4%	408739	246.00	247.00	1.00	<0	-	<0.01	-	-	
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>	408740	272.30	273.30	1.00	<0	-	<0.01	-	-
14.70 - 15.00		W FAC		Fractured	408741	273.30	274.10	0.80	0	-	0.01	-	-
31.00 - 31.40		S DYK		Dyke	408742	274.10	275.00	0.90	<0	-	<0.01	-	-
32.10 - 34.00		S DYK		Dyke	408743	282.00	283.00	1.00	<0	-	<0.01	-	-
35.70 - 38.60		S DYK		Dyke	408745	283.00	284.00	1.00	<0	-	<0.01	-	-
41.40 - 47.30		S DYK		Dyke	408746	284.00	285.00	1.00	0	-	0.01	-	-
53.60 - 57.20		S DYK		Dyke	408747	285.00	286.00	1.00	<0	-	<0.01	-	-
61.10 - 64.00		S DYK		Dyke	408748	300.10	301.00	0.90	<0	-	<0.01	-	-
67.00 - 71.20		S DYK		Dyke	408749	301.00	302.00	1.00	<0	-	<0.01	-	-
78.00 - 79.30		S DYK		Dyke	408750	302.00	303.00	1.00	<0	-	<0.01	-	-
87.80 - 94.00		S DYK		Dyke	408751	307.70	308.40	0.70	<0	-	<0.01	-	-
98.70 - 99.10		S DYK		Dyke	408752	308.40	309.10	0.70	0	-	0.01	-	-
112.70 - 114.90		S DYK		Dyke	408753	309.10	310.10	1.00	<0	-	<0.01	-	-
128.20 - 129.10		S DYK		Dyke	408754	310.10	311.00	0.90	<0	-	<0.01	<0.01	-
197.90 - 203.10		S DYK		Dyke	408755	311.00	312.10	1.10	<0	-	<0.01	-	-
217.00 - 219.50		S DYK		Dyke	408756	312.10	313.10	1.00	0	-	0.01	-	-
221.90 - 222.40		S DYK		Dyke	408758	313.10	314.20	1.10	<0	-	<0.01	-	-
234.20 - 240.60		S DYK		Dyke	408759	314.20	315.00	0.80	<0	-	<0.01	-	-
273.40 - 273.80		S QVN		Quartz Vein	408760	315.00	315.80	0.80	<0	-	<0.01	-	-
289.30 - 290.70		S DYK		Dyke	408761	315.80	316.50	0.70	<0	-	<0.01	-	-
310.10 - 311.00		S DYK		Dyke	408762	316.50	317.50	1.00	0	-	0.01	-	-
314.20 - 315.80		S DYK		Dyke									
316.50 - 317.50		S DYK		Dyke									
324.00 - 325.00		S DYK		Dyke									

**LITHOLOGY REPORT**  
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Hole Number **CL12-00029**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>	408763	317.50	318.50	1.00	<0	-	<0.01	-	-
	5.40 - 31.00	IEQ		Inequigranular	408764	323.00	324.00	1.00	<0	-	<0.01	<0.01	-
	5.40 - 31.00	PH		Phaneritic	408765	324.00	325.00	1.00	<0	-	<0.01	-	-
	5.40 - 31.00	CG		Coarse Grained (>5mm)	408766	325.00	326.00	1.00	<0	-	<0.01	-	-
	5.40 - 31.00	EU		Euhedral	408767	326.00	327.00	1.00	<0	-	<0.01	-	-
	31.00 - 57.20	AN		Anhedral									
334.00	362.60	<b>IMDIA Diabase</b>											
		Phaneritic textured medium grained gabbro/diabase dyke euhedral grain boundaries. Weakly epidotized altered plagioclase is common throughout unit. Interstitial/intergranular biotite throughout. Epidotized feldspar nodules occur sporadically throughout with rounded boundaries. Fine grained and aphanitic texture near both upper and lower contact. The unit is magnetic throughout. Lower contact dips at 15 degrees to core axis.											
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>									
	334.00 - 362.60	EP	AFG 2	Epidotization, Alteration of feldspar grains, Weak									
	334.00 - 362.60	CL	PV 4	Chloritization, Pervasive, Strong									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
	334.00 - 362.60	S	FAC	Fractured very mild and localized									
	334.00 - 362.60	S	DYK	Dyke									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>									
	334.00 - 335.70	AP		Aphanitic									
	335.70 - 359.20	FG		Fine Grained (<1mm)									
	335.70 - 359.20	EU		Euhedral									
	335.70 - 359.20	MG		Medium Grained(1-5mm)									
	335.70 - 359.20	PH		Phaneritic									
	359.20 - 362.60	AP		Aphanitic									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
	334.00 - 362.60	FACV	0.5 5 CV	Calcite Vein, 5%									
	334.00 - 362.60	FACV	0.5 95 CHLV	Chlorite Veining, 95%									

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00029**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
362.60	367.50	<b>IITNL Tonalite</b> T	CR									
<p>Phaneritic textures toanlite with euhedral medium sized grains. Interstitial biotite and hematized stringers are common. Feldspar grains localized near hematitie altered stringers are hematized. Intermittent carbonate and chlorite filled fractures occur up to EOH at 367.5m.</p>												
<p><b>Alteration Maj:</b></p>												
		<b>Type/Style/Intensity</b>	<b>Comment</b>									
	362.60 - 367.50	HM AFG 2	Hematization, Alteration of feldspar grains, Weak, Locally along stringers									
	362.60 - 367.50	BIO IG 3	Biotitization, Intergranular, Moderate									
	362.60 - 367.50	HM FRC 3	Hematization, Along Fractures, Moderate									
<p><b>Texture Maj:</b></p>												
	362.60 - 367.50	EU	Euhedral									
	362.60 - 367.50	MG	Medium Grained(1-5mm)									
	362.60 - 367.50	PH	Phaneritic									
<p><b>Vein Maj. :</b></p>												
	362.60 - 367.50	FACV 0.3 60	CHLV Chlorite Veining, 60%									
	362.60 - 367.50	FACV 0.3 40	CV Calcite Vein, 40%									

## QUALITY CONTROL REPORT

Hole Number **CL12-00029**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	
408632	STANDARD		OREAS 206	AccurAssay	-	-	2.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408644	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408657	STANDARD		OREAS 501	AccurAssay	-	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408669	BLKDIA			AccurAssay	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408682	STANDARD		OREAS 504	AccurAssay	-	-	1.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408694	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408707	STANDARD		OREAS 204	AccurAssay	-	-	1.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408719	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408732	STANDARD		OREAS 206	AccurAssay	-	-	2.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408744	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
410586	STANDARD		OREAS 204	AccurAssay	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408769	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408782	STANDARD		OREAS 504	AccurAssay	-	-	1.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408794	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

# DRILL HOLE REPORT

Hole Number: **CL12-00030**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 333	<b>Length:</b> 0	<b>Dimension:</b> BQTW	<b>Claim No.:</b> 546991	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -42	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 301.5	<b>Capped:</b> No	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 02-Jun-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 06-Jun-12	<b>Left in hole:</b> no	<b>Logged by:</b> Adam Warram	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 22-Jun-12	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
<b>Comment:</b>			<b>East:</b> 431837.7	<b>East:</b> 431838
			<b>North:</b> 5264536	<b>North:</b> 5264538
			<b>Elev.:</b> 394.98	<b>Elev.:</b> 376
				<b>Coordinate - Local</b>
				<b>East:</b> 9900
				<b>North:</b> 6900
				<b>Elev.:</b> 376

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	333.00	-42.00	0	0	0	0	C	<input type="checkbox"/>	
18.00	333.30	-41.90	0	0	0	56270	Flexit	<input checked="" type="checkbox"/>	
50.00	334.70	-40.70	0	0	0	55810	Flexit	<input checked="" type="checkbox"/>	
102.00	335.90	-40.10	0	0	0	55780	Flexit	<input checked="" type="checkbox"/>	
150.00	336.40	-39.40	0	0	0	55690	Flexit	<input checked="" type="checkbox"/>	
250.00	341.50	-37.90	0	0	0	55770	Flexit	<input checked="" type="checkbox"/>	
300.00	342.40	-37.40	0	0	0	55620	Flexit	<input checked="" type="checkbox"/>	

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00030**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
0.00	10.30	<b>OB Overburden</b> Overburden for first metre of box 1.	2	1	GY									
10.30	38.00	<b>IITNL Tonalite</b> T Medium grained Tonalite. Pervasive albitization, biotization. Patchy sericitization, silicification. 0.1% PY disseminated and along fractures. Chlorite along fractures, silicification. Non Magnetic. Sharp Lower contact.	1	1	GY	406001	10.30	11.00	0.70	<0	-	<0.01	-	-
						406002	11.00	12.00	1.00	<0	-	<0.01	-	-
						406003	12.00	13.00	1.00	<0	-	<0.01	-	-
						406004	13.00	14.00	1.00	<0	-	<0.01	-	-
		<b>Alteration Maj:</b>				406005	14.00	15.00	1.00	0	-	0.01	-	-
		<b>Type/Style/Intensity</b>				406006	15.00	16.00	1.00	0	-	0.01	-	-
		<b>Comment</b>				406008	16.00	17.00	1.00	<0	-	<0.01	-	-
10.30 - 38.00		SI MTV 2			Silicification, Marginal to veins, Weak	406009	17.00	18.00	1.00	<0	-	<0.01	-	-
10.30 - 38.00		SR MTV 3			Sericitization, Marginal to veins, Moderate	406010	18.00	19.00	1.00	<0	-	<0.01	<0.01	-
10.30 - 38.00		BIO PV 2			Biotitization, Pervasive, Weak	406011	19.00	20.00	1.00	<0	-	<0.01	-	-
10.30 - 38.00		AB PV 2			Albitization, Pervasive, Weak	406012	20.00	21.00	1.00	<0	-	<0.01	-	-
		<b>Mineralization Maj. :</b>				406013	21.00	22.00	1.00	<0	-	<0.01	-	-
		<b>Type/Style/%Mineral</b>				406014	22.00	23.00	1.00	<0	-	<0.01	-	-
10.30 - 38.00		Py FAC 0.05			Pyrite, Fracture-controlled, 0.05%	406015	23.00	24.00	1.00	<0	-	<0.01	-	-
10.30 - 38.00		Py DIS 0.05			Pyrite, Disseminated, 0.05%	406016	24.00	25.00	1.00	<0	-	<0.01	-	-
		<b>Texture Maj:</b>				406017	25.00	26.00	1.00	<0	-	<0.01	-	-
		<b>Type</b>				406018	26.00	27.00	1.00	<0	-	<0.01	-	-
10.30 - 38.00		MG			Medium Grained(1-5mm)	406020	27.00	28.00	1.00	<0	-	<0.01	<0.01	-
10.30 - 38.00		HT			Heterogeneous	406021	28.00	29.00	1.00	<0	-	<0.01	-	-
10.30 - 38.00		SB			Subhedral									
		<b>Vein Maj. :</b>												
		<b>Style/%vein/CoreA%/min/min</b>												
10.30 - 38.00		FACV 0.5 70 100			Chlorite Veining, 100%, 70° CA									
		CHLV												

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00030**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
						406022	29.00	30.00	1.00	<0	-	<0.01	-	-
						406023	30.00	31.00	1.00	<0	-	<0.01	-	-
						406024	31.00	32.00	1.00	<0	-	<0.01	-	-
						406025	32.00	33.00	1.00	<0	-	<0.01	-	-
						406026	33.00	34.00	1.00	<0	-	<0.01	-	-
						406027	34.00	35.00	1.00	<0	-	<0.01	-	-
						406028	35.00	36.00	1.00	<0	-	<0.01	-	-
						406029	36.00	37.00	1.00	<0	-	<0.01	-	-
						406030	37.00	38.00	1.00	0	-	0.01	0.01	-
38.00	47.00	<b>IMLA</b> <b>MP</b> <b>Lamprophyre Dyke</b>	1	1	GREBL									
		Fine-medium grained lamprophyre dyke. Weak to moderately sheared. Quartz-carb veinlets along shear plane and cross cutting shear plane. 0.2% PY. Non magnetic. Biotite rich poikiloblasts predeformational. Sharp upper and lower contact.												
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>										
		38.00 - 47.00	CB SP 2	Carbonatization, Along Shear Planes, Weak										
		38.00 - 47.00	CL SP 2	Chloritization, Along Shear Planes, Weak										
		38.00 - 47.00	BIO SP 4	Biotitization, Along Shear Planes, Strong										
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>										
		38.00 - 47.00	Py DIS 0.2	Pyrite, Disseminated, 0.2%										
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>										
		38.00 - 47.00	M SHRD	Sheared										
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>										
		38.00 - 47.00	HT	Heterogeneous										
		38.00 - 47.00	FG	Fine Grained (<1mm)										
		38.00 - 47.00	SB	Subhedral										
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>										
		38.00 - 47.00	SHRV 5 60 30	CHLV	Chlorite Veining, 30%									



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Hole Number **CL12-00030**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
	38.00 - 47.00	SHRV 5 60 70 QCV	Quartz-Calcite Vein, 70%, 60° CA										
47.00	80.45	<b>IITNL Tonalite</b> <b>T</b>	1 1 GY	406031	47.00	48.00	1.00	<0	-	<0.01	-	-	
		Medium grained Tonalite. Pervasive albitization, biotization. Patchy hematization, sericitization, silicification, epidote alt. 0.1% PY disseminated and along fractures. Chlorite along fractures, silicification. Non Magnetic. Sharp upper and lower contact.		406033	48.00	49.00	1.00	0	-	0.01	-	-	
				406034	49.00	50.00	1.00	<0	-	<0.01	-	-	
				406035	50.00	51.00	1.00	<0	-	<0.01	-	-	
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>	406036	51.00	52.00	1.00	0	-	0.01	-	-
	47.00 - 80.45	SI MTV 2	Silicification, Marginal to veins, Weak	406037	52.00	53.00	1.00	<0	-	<0.01	-	-	
	47.00 - 80.45	SR MTV 2	Sericitization, Marginal to veins, Weak	406038	53.00	54.00	1.00	0	-	0.01	-	-	
	47.00 - 80.45	BIO PV 3	Biotitization, Pervasive, Moderate	406039	54.00	55.00	1.00	<0	-	<0.01	-	-	
	47.00 - 80.45	AB PV 2	Albitization, Pervasive, Weak	406040	55.00	56.00	1.00	<0	-	<0.01	<0.01	-	
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>	406041	56.00	57.00	1.00	<0	-	<0.01	-	-
	47.00 - 80.45	Py DIS 0.05	Pyrite, Disseminated, 0.05%	406042	57.00	58.00	1.00	<0	-	<0.01	-	-	
	47.00 - 80.45	Py DIS 0.05	Pyrite, Disseminated, 0.05%	406043	58.00	59.00	1.00	<0	-	<0.01	-	-	
				406045	59.00	60.00	1.00	<0	-	<0.01	-	-	
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>	406046	60.00	61.00	1.00	0	-	0.01	-	-
	47.00 - 80.45	HT	Heterogeneous	406047	61.00	62.00	1.00	0	-	0.01	-	-	
	47.00 - 80.45	MG	Medium Grained(1-5mm)	406048	62.00	63.00	1.00	0	-	0.02	-	-	
	47.00 - 80.45	SB	Subhedral	406049	63.00	64.00	1.00	<0	-	<0.01	-	-	
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA<sup>o</sup>/min/min</b>	<b>Comment</b>	406050	64.00	65.00	1.00	0	-	0.02	0.04	-
	47.00 - 80.45	FACV 3 70 100 CHLV	Chlorite Veining, 100%, 70° CA	406051	65.00	66.00	1.00	<0	-	<0.01	-	-	
				406052	66.00	67.00	1.00	<0	-	<0.01	-	-	
				406053	67.00	68.00	1.00	0	-	0.01	-	-	
				406054	68.00	69.00	1.00	<0	-	<0.01	-	-	
				406055	69.00	70.00	1.00	<0	-	<0.01	-	-	
				406056	70.00	71.00	1.00	<0	-	<0.01	-	-	
				406058	71.00	72.00	1.00	0	-	0.01	-	-	

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<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation</i>		<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
						406059	72.00	73.00	1.00	<0	-	<0.01	-	-
						406060	73.00	74.00	1.00	<0	-	<0.01	<0.01	-
						406061	74.00	75.00	1.00	0	-	0.01	-	-
						406062	75.00	76.00	1.00	<0	-	<0.01	-	-
						406063	76.00	77.00	1.00	<0	-	<0.01	-	-
						406064	77.00	78.00	1.00	<0	-	<0.01	-	-
						406065	78.00	79.00	1.00	<0	-	<0.01	-	-
						406066	79.00	80.45	1.45	<0	-	<0.01	-	-
80.45	86.15	<b>IMLA Lamprophyre Dyke</b> <b>MP</b>												
		Fine-medium grained lamprophyre dyke. Moderately sheared. Quartz-carb veinlets along shear plane. 0.2% PY. Non magnetic. Sharp upper and lower contact.												
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>										
		80.45 - 86.15	CB SP 3	Carbonatization, Along Shear Planes, Moderate										
		80.45 - 86.15	CL SP 3	Chloritization, Along Shear Planes, Moderate										
		80.45 - 86.15	BIO SP 3	Biotitization, Along Shear Planes, Moderate										
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>										
		80.45 - 86.15	Py DIS 0.2	Pyrite, Disseminated, 0.2%										
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>										
		80.45 - 86.15	M SHRD 40	Sheared, 40° CA										
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>										
		80.45 - 86.15	FG	Fine Grained (<1mm)										
		80.45 - 86.15	HT	Heterogeneous										
		80.45 - 86.15	SB	Subhedral										
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>										
		80.45 - 86.15	SHRV 6 40 20	CHLV	Chlorite Veining, 20%									
		80.45 - 86.15	SHRV 6 40 80	QCV	Quartz-Calcite Vein, 80%, 40° CA									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
86.15	105.80	<b>IITNL Tonalite</b> T	1	1	BE	406067	86.15	87.00	0.85	<0	-	<0.01	-	-
		Medium grained Tonalite. Pervasive albitization, biotization. Patchy hematization, sericitization, silicification, epidote alt. Epidote and lucoxene in some quartz veins. 0.1% PY disseminated and along fractures. Chlorite along fractures, silicification. Non Magnetic. Sharp upper and lower contact.				406068	87.00	88.00	1.00	<0	-	<0.01	-	-
						406070	88.00	89.00	1.00	<0	-	<0.01	<0.01	-
						406071	89.00	90.00	1.00	<0	-	<0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>		406072	90.00	91.00	1.00	<0	-	<0.01	-	-
86.15 - 105.80		SI MTV 2		Silicification, Marginal to veins, Weak		406073	91.00	92.00	1.00	<0	-	<0.01	-	-
86.15 - 105.80		SR SPT 2		Sericitization, Spotty/Patchy, Weak		406074	92.00	93.00	1.00	<0	-	<0.01	-	-
86.15 - 105.80		BIO PV 2		Biotitization, Pervasive, Weak		406075	93.00	94.00	1.00	<0	-	<0.01	-	-
86.15 - 105.80		AB PV 2		Albitization, Pervasive, Weak		406076	94.00	95.00	1.00	<0	-	<0.01	-	-
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>		406077	95.00	96.00	1.00	0	-	0.01	-	-
86.15 - 105.80		Py FAC 0.05		Pyrite, Fracture-controlled, 0.05%		406078	96.00	97.00	1.00	<0	-	<0.01	-	-
86.15 - 105.80		Py DIS 0.05		Pyrite, Disseminated, 0.05%		406079	97.00	98.00	1.00	<0	-	<0.01	-	-
						406080	98.00	99.00	1.00	0	-	0.01	<0.01	-
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>		406081	99.00	100.00	1.00	0	-	0.01	-	-
86.15 - 105.80		HT		Heterogeneous		406083	100.00	101.00	1.00	0	-	0.01	-	-
86.15 - 105.80		MG		Medium Grained(1-5mm)		406084	101.00	102.00	1.00	<0	-	<0.01	-	-
86.15 - 105.80		SB		Subhedral		406085	102.00	103.00	1.00	<0	-	<0.01	-	-
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>		406086	103.00	104.00	1.00	<0	-	<0.01	-	-
86.15 - 105.80		FACV 3 75 15	CHLV	Chlorite Veining, 15%		406087	104.00	105.00	1.00	<0	-	<0.01	-	-
86.15 - 105.80		FACV 3 75 85	QCV	Quartz-Calcite Vein, 85%, 75° CA		406088	105.00	105.80	0.80	<0	-	<0.01	-	-
105.80	121.30	<b>IMDIA Diabase</b>	1	1	GRBLK									
		Fine grained Diabase. Epidote Altered Plagioclase phenocryst ( 5%) up to 10mm. Sharp Upper and Lower contacts. Weakly Magnetic.												
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>										
105.80 - 121.30		EP AFG 2		Epidotization, Alteration of feldspar grains, Weak										
105.80 - 121.30		CL FRC 1		Chloritization, Along Fractures, Very weak										

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
		<b>Texture Maj:</b>	<b>Type</b>			<b>Comment</b>									
		105.80 - 121.30	FG			Fine Grained (<1mm)									
		105.80 - 121.30	HT			Heterogeneous									
		105.80 - 121.30	SB			Subhedral									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>			<b>Comment</b>									
		105.80 - 121.30	FACV 0.5	100	CHLV	Chlorite Veining, 100%									
121.30	133.00	<b>IITNL Tonalite</b>		1	1	BE	406089	121.30	122.00	0.70	<0	-	<0.01	-	-
							406090	122.00	123.00	1.00	0	-	0.01	0.01	-
		Medium grained Tonalite. Pervasive albitization, sericitization, silicification. Patchy hematization, biotization, epidote alt. 0.1% PY disseminated and along fractures. Chlorite along fractures, silicification. Non Magnetic. Sharp upper and lower contact.					406091	123.00	124.00	1.00	<0	-	<0.01	-	-
							406092	124.00	125.00	1.00	<0	-	<0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>			<b>Comment</b>	406093	125.00	126.00	1.00	<0	-	<0.01	-	-
		121.30 - 133.00	BIO SPT 2			Biotitization, Spotty/Patchy, Weak	406095	126.00	127.00	1.00	<0	-	<0.01	-	-
		121.30 - 133.00	AB PV 1			Albitization, Pervasive, Very weak	406096	127.00	128.00	1.00	<0	-	<0.01	-	-
		121.30 - 133.00	SR PV 2			Sericitization, Pervasive, Weak	406097	128.00	129.00	1.00	<0	-	<0.01	-	-
		121.30 - 133.00	SI PV 2			Silicification, Pervasive, Weak	406098	129.00	130.00	1.00	<0	-	<0.01	-	-
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>			<b>Comment</b>	406099	130.00	131.00	1.00	0	-	0.01	-	-
		121.30 - 133.00	Py FAC 0.05			Pyrite, Fracture-controlled, 0.05%	406100	131.00	132.00	1.00	0	-	0.01	0.01	-
		121.30 - 133.00	Py DIS 0.05			Pyrite, Disseminated, 0.05%	406101	132.00	133.00	1.00	0	-	0.01	-	-
		<b>Texture Maj:</b>	<b>Type</b>			<b>Comment</b>									
		121.30 - 133.00	HT			Heterogeneous									
		121.30 - 133.00	MG			Medium Grained(1-5mm)									
		121.30 - 133.00	SB			Subhedral									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>			<b>Comment</b>									
		121.30 - 133.00	FACV 2	75	10	HMV	Hematite Vein, 10%								

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	121.30 - 133.00	FACV	2	75	10	EV	Epidote Veining, 10%							
	121.30 - 133.00	FACV	2	75	80	CHLV	Chlorite Veining, 80%, 75° CA							
133.00	137.60	<b>IMLA</b> <b>MP</b> <b>Lamprophyre Dyke</b>					1	1	GREBL					
Fine grained lamprophyre dyke. Weakly sheared. Quartz-carb veinlets along shear plane. 0.1% PY. Non magnetic. Sharp upper and lower contact.														
<b>Alteration Maj:</b>														
		<b>Type/Style/Intensity</b>				<b>Comment</b>								
	133.00 - 137.60	CL SP 2				Chloritization, Along Shear Planes, Weak								
	133.00 - 137.60	CB SP 3				Carbonatization, Along Shear Planes, Moderate								
<b>Mineralization Maj. :</b>														
		<b>Type/Style/%Mineral</b>				<b>Comment</b>								
	133.00 - 137.60	Py DIS 0.1				Pyrite, Disseminated, 0.1%								
<b>Structure Maj.:</b>														
		<b>Inte/Type/Core Angle</b>				<b>Comment</b>								
	133.00 - 137.60	W SHRD 30				Sheared, 30° CA								
<b>Texture Maj:</b>														
		<b>Type</b>				<b>Comment</b>								
	133.00 - 137.60	HT				Heterogeneous								
	133.00 - 137.60	FG				Fine Grained (<1mm)								
	133.00 - 137.60	SB				Subhedral								
<b>Vein Maj. :</b>														
		<b>Style/%vein/CoreA/%min/min</b>				<b>Comment</b>								
	133.00 - 137.60	SHRV 3 30 30	CHLV				Chlorite Veining, 30%							
	133.00 - 137.60	SHRV 3 30 70	CBV				Carbonate Vein, 70%, 30° CA							

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137.60	301.50	<b>IITNL Tonalite</b> T	1	1	BE	406102	137.60	139.00	1.40	<0	-	<0.01	-	-
		Medium grained Tonalite. Pervasive albitization. Vein controlled hematization, silicification, sericitization. 0.1% PY disseminated and along fractures. Chlorite along fractures, silicification. Few small mafic dykes/diabase dykes. Non Magnetic. Sharp upper and lower contact. 2cm thick PY + trace CPY vein @ 244.65m with quartz.				406103	139.00	140.00	1.00	<0	-	<0.01	-	-
						406104	140.00	141.00	1.00	<0	-	<0.01	-	-
						406105	141.00	142.00	1.00	<0	-	<0.01	-	-
						406106	142.00	143.00	1.00	<0	-	<0.01	-	-
						406108	143.00	144.00	1.00	<0	-	<0.01	-	-
						406109	144.00	145.00	1.00	<0	-	<0.01	-	-
						406110	145.00	146.00	1.00	<0	-	<0.01	<0.01	-
						406111	146.00	147.00	1.00	<0	-	<0.01	-	-
						406112	147.00	148.00	1.00	<0	-	<0.01	-	-
						406113	148.00	149.00	1.00	<0	-	<0.01	-	-
						406114	149.00	150.00	1.00	<0	-	<0.01	-	-
						406115	150.00	151.00	1.00	<0	-	<0.01	-	-
						406116	151.00	152.00	1.00	<0	-	<0.01	-	-
						406117	152.00	153.00	1.00	<0	-	<0.01	-	-
						406118	153.00	154.00	1.00	<0	-	<0.01	-	-
						406120	154.00	155.00	1.00	<0	-	<0.01	<0.01	-
						406121	155.00	156.00	1.00	<0	-	<0.01	-	-
						406122	156.00	157.00	1.00	<0	-	<0.01	-	-
						406123	157.00	158.00	1.00	<0	-	<0.01	-	-
						406124	158.00	159.00	1.00	<0	-	<0.01	-	-
						406125	159.00	160.00	1.00	<0	-	<0.01	-	-
						406126	160.00	161.00	1.00	<0	-	<0.01	-	-
						406127	161.00	162.00	1.00	<0	-	<0.01	-	-
						406128	162.00	163.00	1.00	<0	-	<0.01	-	-
						406129	163.00	164.00	1.00	<0	-	<0.01	-	-
						406130	164.00	165.00	1.00	<0	-	<0.01	<0.01	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>										
137.60 - 301.50		HM FRC 3	Hematization, Along Fractures, Moderate											
137.60 - 301.50		SR MTV 2	Sericitization, Marginal to veins, Weak											
137.60 - 301.50		SI MTV 2	Silicification, Marginal to veins, Weak											
137.60 - 301.50		AB PV 2	Albitization, Pervasive, Weak											
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>										
137.60 - 224.00		Py FAC 0.05	Pyrite, Fracture-controlled, 0.05%											
137.60 - 224.00		Py DIS 0.05	Pyrite, Disseminated, 0.05%											
224.00 - 225.00		Cpy VN 0.1	Chalcopyrite, Vein-controlled, 0.1%											
224.00 - 225.00		Py VN 2	Pyrite, Vein-controlled, 2%											
225.00 - 301.00		Py FAC 0.1	Pyrite, Fracture-controlled, 0.1%											
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA%/min/min</b>	<b>Comment</b>										
137.60 - 301.50		FACV 2 60 30	CHLV	Chlorite Veining, 30%										
137.60 - 301.50		FACV 2 60 70	HMV	Hematite Vein, 70%, 60° CA										

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00030**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
				406131	165.00	166.00	1.00	<0	-	<0.01	-	-
				406133	166.00	167.00	1.00	<0	-	<0.01	-	-
				406134	167.00	168.00	1.00	<0	-	<0.01	-	-
				406135	168.00	169.00	1.00	<0	-	<0.01	-	-
				406136	169.00	170.00	1.00	<0	-	<0.01	-	-
				406137	170.00	171.00	1.00	<0	-	<0.01	-	-
				406138	171.00	172.00	1.00	<0	-	<0.01	-	-
				406139	172.00	173.00	1.00	<0	-	<0.01	-	-
				406140	173.00	174.00	1.00	<0	-	<0.01	<0.01	-
				406141	174.00	175.00	1.00	<0	-	<0.01	-	-
				406142	175.00	176.00	1.00	<0	-	<0.01	-	-
				406143	176.00	177.00	1.00	<0	-	<0.01	-	-
				406145	177.00	178.00	1.00	<0	-	<0.01	-	-
				406146	178.00	179.00	1.00	<0	-	<0.01	-	-
				406147	179.00	180.00	1.00	<0	-	<0.01	-	-
				406148	180.00	181.00	1.00	<0	-	<0.01	-	-
				406149	181.00	182.00	1.00	<0	-	<0.01	-	-
				406150	182.00	183.00	1.00	<0	-	<0.01	<0.01	-
				406151	183.00	184.00	1.00	<0	-	<0.01	-	-
				406152	184.00	185.00	1.00	<0	-	<0.01	-	-
				406153	185.00	186.00	1.00	<0	-	<0.01	-	-
				406154	186.00	187.00	1.00	<0	-	<0.01	-	-
				406155	187.00	188.00	1.00	<0	-	<0.01	-	-
				406156	188.00	189.00	1.00	<0	-	<0.01	-	-
				406158	189.00	190.00	1.00	<0	-	<0.01	-	-
				406159	190.00	191.00	1.00	<0	-	<0.01	-	-
				406160	191.00	192.00	1.00	<0	-	<0.01	<0.01	-

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00030**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
				406161	192.00	193.00	1.00	<0	-	<0.01	-	-
				406162	193.00	194.00	1.00	<0	-	<0.01	-	-
				406163	194.00	195.00	1.00	<0	-	<0.01	-	-
				406164	195.00	196.00	1.00	0	-	0.01	-	-
				406165	196.00	197.00	1.00	0	-	0.01	-	-
				406166	197.00	198.00	1.00	0	-	0.01	-	-
				406167	198.00	199.00	1.00	0	-	0.01	-	-
				406168	199.00	200.00	1.00	<0	-	<0.01	-	-
				406170	200.00	201.00	1.00	<0	-	<0.01	<0.01	-
				406171	201.00	202.00	1.00	0	-	0.01	-	-
				406172	202.00	203.00	1.00	<0	-	<0.01	-	-
				406173	203.00	204.00	1.00	0	-	0.01	-	-
				406174	204.00	205.00	1.00	<0	-	<0.01	-	-
				406175	205.00	206.00	1.00	<0	-	<0.01	-	-
				406176	206.00	207.00	1.00	<0	-	<0.01	-	-
				406177	207.00	208.00	1.00	0	-	0.01	-	-
				406178	208.00	209.00	1.00	<0	-	<0.01	-	-
				406179	209.00	210.00	1.00	0	-	0.01	-	-
				406180	210.00	211.00	1.00	<0	-	<0.01	<0.01	-
				406181	211.00	212.00	1.00	<0	-	<0.01	-	-
				406183	212.00	213.00	1.00	0	-	0.01	-	-
				406184	213.00	214.00	1.00	<0	-	<0.01	-	-
				406185	214.00	215.00	1.00	<0	-	<0.01	-	-
				406186	215.00	216.00	1.00	<0	-	<0.01	-	-
				406187	216.00	217.00	1.00	<0	-	<0.01	-	-
				406188	217.00	218.00	1.00	0	-	0.01	-	-
				406189	218.00	219.00	1.00	0	-	0.01	-	-



**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00030**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)
				406190	219.00	220.00	1.00	0	-	0.01	<0.01	-
				406191	220.00	221.00	1.00	<0	-	<0.01	-	-
				406192	221.00	222.00	1.00	0	-	0.02	-	-
				406193	222.00	223.00	1.00	<0	-	<0.01	-	-
				406195	223.00	224.00	1.00	<0	-	<0.01	-	-
				406196	224.00	225.00	1.00	0	-	0.01	-	-
				406197	225.00	226.00	1.00	<0	-	<0.01	-	-
				406198	238.00	239.00	1.00	<0	-	<0.01	-	-
				406199	239.00	240.00	1.00	0	-	0.01	-	-
				406200	240.00	241.00	1.00	<0	-	<0.01	<0.01	-
				406201	241.00	242.00	1.00	<0	-	<0.01	-	-
				406202	242.00	243.00	1.00	<0	-	<0.01	-	-
				406203	250.00	251.00	1.00	<0	-	<0.01	-	-
				406204	251.00	252.00	1.00	0	-	0.01	-	-
				406205	252.00	253.00	1.00	0	-	0.01	-	-
				406206	253.00	254.00	1.00	<0	-	<0.01	-	-
				406208	254.00	255.00	1.00	0	-	0.01	-	-
				406209	255.00	256.00	1.00	<0	-	<0.01	-	-
				406210	256.00	257.00	1.00	<0	-	<0.01	<0.01	-
				406211	257.00	258.00	1.00	0	-	0.01	-	-
				406212	258.00	259.00	1.00	<0	-	<0.01	-	-
				406213	259.00	260.00	1.00	<0	-	<0.01	-	-
				406214	260.00	261.00	1.00	0	-	0.01	-	-
				406215	290.00	291.00	1.00	0	-	0.01	-	-
				406216	291.00	292.00	1.00	0	-	0.01	-	-
				406217	292.00	293.00	1.00	0	-	0.01	-	-
				406218	293.00	294.00	1.00	<0	-	<0.01	-	-

### QUALITY CONTROL REPORT

Hole Number **CL12-00030**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	
406007	STANDARD		OREAS 204	AccurAssay	-	-	1.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406019	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406032	STANDARD		OREAS 206	AccurAssay	-	-	2.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406044	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406057	STANDARD		OREAS 501	AccurAssay	-	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406069	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406082	STANDARD		OREAS 504	AccurAssay	-	-	1.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406094	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406107	STANDARD		OREAS 204	AccurAssay	-	-	1.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406119	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406132	STANDARD		OREAS 206	AccurAssay	-	-	2.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406144	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406157	STANDARD		OREAS 501	AccurAssay	-	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406169	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406182	STANDARD		OREAS 504	AccurAssay	-	-	1.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406194	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406207	STANDARD		OREAS 204	AccurAssay	-	-	1.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406219	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## DRILL HOLE REPORT

Hole Number: **CL12-00031**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 332	<b>Length:</b> 0	<b>Dimension:</b> BQTW	<b>Claim No.:</b> 546995	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -42	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 399	<b>Capped:</b> No	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 06-Jun-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 12-Jun-12	<b>Left in hole:</b> no	<b>Logged by:</b> Martin Laforest	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 22-Jun-12	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>				
<b>Comment:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
			<b>East:</b> 431950	<b>East:</b> 431950
			<b>North:</b> 5264362	<b>North:</b> 5264362
			<b>Elev.:</b> 398	<b>Elev.:</b> 398
			<b>Coordinate - Local</b>	<b>East:</b> 9900
				<b>North:</b> 6700
				<b>Elev.:</b> 398

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	332.00	-42.00	0	0	0	0	C	<input type="checkbox"/>	
9.00	332.30	-42.40	0	0	0	56310	Flexit	<input checked="" type="checkbox"/>	
50.00	334.10	-42.00	0	0	0	55810	Flexit	<input checked="" type="checkbox"/>	
99.00	335.80	-42.00	0	0	0	55930	Flexit	<input checked="" type="checkbox"/>	
150.00	338.80	-41.60	0	0	0	55640	Flexit	<input checked="" type="checkbox"/>	
201.00	341.30	-40.90	0	0	0	55710	Flexit	<input checked="" type="checkbox"/>	
250.00	343.60	-38.40	0	0	0	55750	Flexit	<input checked="" type="checkbox"/>	
300.00	346.20	-36.20	0	0	0	55700	Flexit	<input checked="" type="checkbox"/>	
350.00	348.80	-34.30	0	0	0	55660	Flexit	<input checked="" type="checkbox"/>	
399.00	351.70	-31.70	0	0	0	55780	Flexit	<input checked="" type="checkbox"/>	

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00031**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
0.00	9.00	<b>OB Overburden</b>										
9.00	11.00	<b>IM Mafic Dyke</b>	GREBL									
<p>Chloritized and foliated mafic dyke with weak carbonates along foliated planes. The texture of the unit is mostly fine grained. Weak fracturing at 9.9m. 5cm wide quartz-chlorite veinlets at lower contact. Lower contact dipping at 60 degrees to core axis.</p>												
<b>Alteration Maj: Type/Style/Intensity Comment</b>												
9.00 - 11.00 CB FP 2 Carbonatization, Along Foliation Planes, Weak												
9.00 - 11.00 CL PV 4 Chloritization, Pervasive, Strong												
<b>Structure Maj.: Inte/Type/Core Angle Comment</b>												
9.00 - 11.00 DYK Dyke												
<b>Texture Maj: Type Comment</b>												
9.00 - 11.00 SB Subhedral												
9.00 - 11.00 FG Fine Grained (<1mm)												
<b>Vein Maj. : Style/%vein/CoreA/%min/min Comment</b>												
9.00 - 11.00 STG 2 15 CBV Carbonate Vein, 15% (along foliated planes)												
9.00 - 11.00 STG 2 85 QCHLV Quartz-Chlorite Vein, 85%												
11.00	64.50	<b>IITNL Tonalite</b>	CR	408927	63.00	63.80	0.80	<0	-	<0.01	-	-
Coarse grained tonalite with euhedral texture and mildly albitized feldspar grains. Intergranulate biotite												
				408928	63.80	64.50	0.70	0	-	0.02	-	-

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00031**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
<p>occurs throughout unit. Hematite margins occur along altered veinlets and stringers near upper contact. (Up to 22m) Silicified margins along quartz veinlets are common. Net textured sercite margins occur along stringers and fractures after 45m. Pervasive sercite begins at 61m in weak to moderate form. Very weak sulphide mineralization occurs throughout this section. This section ends at approximately 104m. Lower contact dipping at 40 degrees to core axis.</p>												
<b>Alteration Maj:</b>		<b>Type/Style/Intensity</b>	<b>Comment</b>									
11.00 - 18.00		CL FRC 3	Chloritization, Along Fractures, Moderate									
11.00 - 18.00		SI MTV 2	Silicification, Marginal to veins, Weak									
11.00 - 18.00		HM MTV 3	Hematization, Marginal to veins, Moderate									
11.00 - 18.00		AB AFG 4	Albitization, Alteration of feldspar grains, Strong									
18.00 - 48.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
18.00 - 48.00		BIO IG 2	Biotitization, Intergranular, Weak									
18.00 - 48.00		CL FRC 2	Chloritization, Along Fractures, Weak									
18.00 - 48.00		SI MTV 3	Silicification, Marginal to veins, Moderate									
48.00 - 60.30		AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
48.00 - 60.30		CL FRC 2	Chloritization, Along Fractures, Weak									
48.00 - 60.30		SR MTV 2	Sericitization, Marginal to veins, Weak									
48.00 - 60.30		BIO IG 2	Biotitization, Intergranular, Weak									
60.30 - 64.50		SI PV 4	Silicification, Pervasive, Strong									
60.30 - 64.50		AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
60.30 - 64.50		SR FRC 3	Sericitization, Along Fractures, Moderate									
60.30 - 64.50		HM AFG 2	Hematization, Alteration of feldspar grains, Weak									
<b>Texture Maj:</b>		<b>Type</b>	<b>Comment</b>									
11.00 - 64.50		NET	Net Textured (sericitized margins)									
11.00 - 64.50		PH	Phaneritic									

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00031**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	11.00 - 64.50	EU	Euhedral									
	11.00 - 64.50	CG	Coarse Grained (>5mm)									
	<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
	11.00 - 64.50	STG 2 20	CHLV Chlorite Veining, 20%									
	11.00 - 64.50	STG 2 80	QCHLV Quartz-Chlorite Vein, 80%									
64.50	68.90	<b>IM Mafic Dyke</b>	GREBL	408929	64.50	65.30	0.80	<0	-	<0.01	-	-
		Foliated mafic dyke with carboantes along foliated planes. Texture ranges from aphanitic to fine grained with euhedral grains. Chlorite alteration occurs throughout unit with hematite alteration along some quartz-carboante veinlets. Pyrite mineralization occurs as weak/small blebs throughout unit and strong mineralization marginal to veinlet near lower contact. Lower contact dips at 60 degrees to core axis.		408930	65.30	66.10	0.80	0	-	0.01	-	-
				408931	66.10	67.00	0.90	0	-	0.06	-	-
				408932	67.00	68.00	1.00	0	-	0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>	408933	68.00	68.90	0.90	<0	-	<0.01	-
	64.50 - 68.90	HM MTV 1	Hematization, Marginal to veins, Very weak									
	64.50 - 68.90	CB FRC 2	Carbonatization, Along Fractures, Weak									
	64.50 - 68.90	CL PV 4	Chloritization, Pervasive, Strong									
	<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>									
	64.50 - 68.90	Py VN 1	Pyrite, Vein-controlled, 1%									
	64.50 - 68.90	Py DIS 0.05	Pyrite, Disseminated, 0.05%									
	<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
	64.50 - 68.90	W FOL	Foliated									
	64.50 - 68.90	W DYK	Dyke									
	<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>									
	64.50 - 68.90	AP	Aphanitic									
	64.50 - 68.90	FG	Fine Grained (<1mm)									
	<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
	64.50 - 68.90	FPV 2 50	QCV Quartz-Calcite Vein, 50%									
	64.50 - 68.90	FPV 2 50	CBV Carbonate Vein, 50%									

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Project: **COTE GOLD**

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<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>	
68.90	162.30	<b>IITNL Tonalite</b> <b>T</b>	GY	408934	68.90	69.80	0.90	<0	-	<0.01	-	-	
		<p>Tonalite unit with pervasive silicification and quartz veinlets with sericitized margins up to 1m in width. It is common for chlorite and carbonate filled fractures to include marginal sercite. All sercite is net textures. Disseminated biotite occurs throughout unit. Intermittent quartz-carboante veins and veinlets are common and often include localized chlorite/biotite and/or weak tourmaline veinlets. Sericitization and silicification occurs from upper contact to 104m and from 114m to lower contact.</p> <p>Starting at 104m we find a coarse grained phaneritic texture with euhedral boundaries. Albite and hematite altered feldsprs are common and pervasive. Fracturing includes silicified margins with average widths of 0.5cm. Pyrite mineralization sometimes occurs within these fractures. Beyond 114m we find net textured sercite with intermittent aphanitic silicified sections up to lower contact at 162.3m. Intermittent quartz veinlets with chlorite or sercite boundaries occur from 114m to 162.3m. Carbonate and chlorite filled fractures are sporadic throughout unit. Lower contact dips at approximately 20 degrees to core axis.</p>		408935	69.80	70.60	0.80	<0	-	<0.01	-	-	
				408936	70.60	71.40	0.80	<0	-	<0.01	<0.01	-	-
				408937	71.40	72.20	0.80	<0	-	<0.01	-	-	-
				408938	72.20	73.00	0.80	<0	-	<0.01	-	-	-
				408939	73.00	74.00	1.00	<0	-	<0.01	-	-	-
				408940	74.00	75.00	1.00	<0	-	<0.01	-	-	-
				408941	75.00	76.00	1.00	<0	-	<0.01	-	-	-
				408942	76.00	77.00	1.00	<0	-	<0.01	-	-	-
				408943	77.00	78.00	1.00	<0	-	<0.01	-	-	-
				408944	78.00	79.00	1.00	<0	-	<0.01	-	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>									
68.90 - 104.00		BIO IG 2		Biotitization, Intergranular, Weak	408945	79.00	80.00	1.00	0	-	0.04	-	-
68.90 - 104.00		CL FRC 2		Chloritization, Along Fractures, Weak	408946	80.00	81.00	1.00	0	-	0.01	0.01	-
68.90 - 104.00		SI PV 4		Silicification, Pervasive, Strong	408947	81.00	82.00	1.00	<0	-	<0.01	-	-
68.90 - 104.00		SR MTV 4		Sericitization, Marginal to veins, Strong	408948	82.00	83.00	1.00	0	-	0.43	-	-
104.00 - 114.00		AB AFG 3		Albitization, Alteration of feldspar grains, Moderate	408949	83.00	84.00	1.00	0	-	0.03	-	-
104.00 - 114.00		SI MTV 2		Silicification, Marginal to veins, Weak	408950	84.00	85.00	1.00	0	-	0.02	-	-
104.00 - 114.00		BIO IG 2		Biotitization, Intergranular, Weak	408951	85.00	86.00	1.00	<0	-	<0.01	-	-
104.00 - 114.00		HM AFG 4		Hematization, Alteration of feldspar grains, Strong	408952	86.00	87.00	1.00	<0	-	<0.01	-	-
114.00 - 149.00		HM MTV 3		Hematization, Marginal to veins, Moderate(@ 133.2m)	408953	87.00	88.00	1.00	<0	-	<0.01	-	-
114.00 - 149.00		SR PV 5		Sericitization, Pervasive, Intense	408954	88.00	89.00	1.00	<0	-	<0.01	-	-
114.00 - 149.00		SI PV 4		Silicification, Pervasive, Strong	408955	89.00	90.00	1.00	0	-	0.02	-	-
114.00 - 149.00		BIO IG 2		Biotitization, Intergranular, Weak	408956	90.00	91.00	1.00	<0	-	<0.01	<0.01	-
114.00 - 149.00		BIO IG 2		Biotitization, Intergranular, Weak	408958	91.00	92.00	1.00	0	-	0.01	-	-
149.00 - 162.30		AB AFG 2		Albitization, Alteration of feldspar grains, Weak	408959	92.00	93.00	1.00	<0	-	<0.01	-	-
149.00 - 162.30		SI PV 3		Silicification, Pervasive, Moderate	408960	93.00	94.00	1.00	<0	-	<0.01	-	-
149.00 - 162.30		SR MTV 2		Sericitization, Marginal to veins, Weak	408961	94.00	95.00	1.00	<0	-	<0.01	-	-

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149.00 - 162.30		CL FRC 2	Chloritization, Along Fractures, Weak	408962	95.00	96.00	1.00	<0	-	<0.01	-	-
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>	408963	96.00	97.00	1.00	0	-	0.02	-
68.90 - 104.00		Py DIS 0.05	Pyrite, Disseminated, 0.05%	408964	97.00	98.00	1.00	<0	-	<0.01	-	-
104.00 - 113.00		Py FAC 0.1	Pyrite, Fracture-controlled, 0.1%	408965	98.00	99.00	1.00	<0	-	<0.01	-	-
104.00 - 113.00		Py DIS 0.05	Pyrite, Disseminated, 0.05%	408966	99.00	100.00	1.00	<0	-	<0.01	<0.01	-
114.00 - 149.00		Py DIS 0.05	Pyrite, Disseminated, 0.05%	408967	100.00	101.00	1.00	<0	-	<0.01	-	-
114.00 - 149.00		Py STG 0.5	Pyrite, Veinlets-stringers, 0.5%	408968	101.00	102.00	1.00	<0	-	<0.01	-	-
149.00 - 162.30		Py DIS 0.05	Pyrite, Disseminated, 0.05%	408970	102.00	103.00	1.00	0	-	0.01	-	-
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>	408971	103.00	104.00	1.00	<0	-	<0.01	-
85.10 - 85.50		S QCVN	Quartz Calcite Vein	408972	104.00	105.00	1.00	0	-	0.01	-	-
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>	408973	105.00	106.00	1.00	<0	-	<0.01	-
68.90 - 162.30		NET	Net Textured where sericitized	408974	106.00	107.00	1.00	<0	-	<0.01	-	-
68.90 - 162.30		AP	Aphanitic with silicification	408975	107.00	108.00	1.00	<0	-	<0.01	-	-
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>	408976	108.00	109.00	1.00	0	-	0.01	<0.01
68.90 - 85.10		STG 1 40	QCV Quartz-Calcite Vein, 40%	408977	109.00	110.00	1.00	0	-	0.01	-	-
68.90 - 85.10		STG 1 60	CBV Carbonate Vein, 60%	408978	110.00	111.00	1.00	0	-	0.01	-	-
85.10 - 85.50		VN 100 65	QV Quartz Vein, 65%	408979	111.00	112.00	1.00	0	-	0.01	-	-
85.10 - 85.50		VN 100 25	QICV Quartz Iron-Carbonate Vein, 25%	408980	112.00	113.50	1.50	0	-	0.01	-	-
85.10 - 85.50		VN 100 5	QTV Quartz-Tourmaline Vein, 5%	408981	113.50	115.00	1.50	0	-	0.01	-	-
85.50 - 162.30		STG 3 5	CHLV Chlorite Veining, 5%	408983	115.00	116.00	1.00	0	-	0.01	-	-
85.50 - 162.30		STG 3 35	QCV Quartz-Calcite Vein, 35%	408984	116.00	117.00	1.00	0	-	0.04	-	-
85.50 - 162.30		STG 3 60	QV Quartz Vein, 60%	408985	117.00	118.00	1.00	0	-	0.01	-	-
				408986	118.00	119.00	1.00	0	-	0.02	0.01	-
				408987	119.00	120.00	1.00	<0	-	<0.01	-	-
				408988	120.00	121.00	1.00	<0	-	<0.01	-	-
				408989	121.00	122.00	1.00	<0	-	<0.01	-	-
				408990	122.00	123.00	1.00	<0	-	<0.01	-	-



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				408991	123.00	124.00	1.00	<0	-	<0.01	-	-
				408992	124.00	125.00	1.00	<0	-	<0.01	-	-
				408993	125.00	126.00	1.00	<0	-	<0.01	-	-
				408995	126.00	127.00	1.00	<0	-	<0.01	-	-
				408996	127.00	128.00	1.00	<0	-	<0.01	<0.01	-
				408997	128.00	129.00	1.00	<0	-	<0.01	-	-
				408998	129.00	130.00	1.00	0	-	0.02	-	-
				408999	130.00	130.90	0.90	0	-	0.02	-	-
				409000	130.90	131.80	0.90	0	-	0.01	-	-
				409001	131.80	132.50	0.70	0	-	0.01	-	-
				409002	132.50	133.30	0.80	0	-	0.01	-	-
				409003	133.30	134.00	0.70	0	-	0.01	-	-
				409004	134.00	135.00	1.00	0	-	0.01	-	-
				409005	135.00	136.00	1.00	<0	-	<0.01	-	-
				409006	136.00	137.00	1.00	<0	-	<0.01	<0.01	-
				409008	137.00	138.00	1.00	<0	-	<0.01	-	-
				409009	138.00	139.00	1.00	<0	-	<0.01	-	-
				409010	139.00	140.00	1.00	<0	-	<0.01	-	-
				409011	140.00	141.00	1.00	<0	-	<0.01	-	-
				409012	141.00	142.00	1.00	<0	-	<0.01	-	-
				409013	142.00	143.00	1.00	0	-	0.02	-	-
				409014	143.00	144.00	1.00	0	-	0.01	-	-
				409015	144.00	145.00	1.00	<0	-	<0.01	-	-
				409016	145.00	146.00	1.00	0	-	0.02	0.07	-
				409017	146.00	147.00	1.00	0	-	0.01	-	-
				409018	147.00	148.00	1.00	<0	-	<0.01	-	-
				409020	148.00	149.00	1.00	0	-	0.01	-	-

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				409021	149.00	150.00	1.00	<0	-	<0.01	-	-
				409022	150.00	151.00	1.00	0	-	0.01	-	-
				409023	151.00	152.00	1.00	<0	-	<0.01	-	-
				409024	152.00	153.00	1.00	0	-	0.01	-	-
				409025	153.00	154.00	1.00	0	-	0.01	-	-
				409026	154.00	155.00	1.00	0	-	0.01	<0.01	-
				409027	155.00	156.00	1.00	0	-	0.04	-	-
				409028	156.00	157.00	1.00	<0	-	<0.01	-	-
				409029	157.00	158.00	1.00	<0	-	<0.01	-	-
				409030	158.00	159.00	1.00	<0	-	<0.01	-	-
				409031	159.00	159.80	0.80	0	-	0.03	-	-
				409033	159.80	160.60	0.80	0	-	0.01	-	-
				409034	160.60	161.50	0.90	0	-	0.01	-	-
				409035	161.50	162.30	0.80	0	-	0.01	-	-

162.30 182.40

**IMDIA Diabase**

BLK

Aphanitic diabase dyke with epidote altered feldspar phenocrysts. These phenocrysts have an average size of 0.5cm with subhedral grain boundaries. Strong fracturing at upper contact. Strong chloritization throughout. No feldspar phenocrysts and strong chloritization between 176m and 181m with aphanitic texture. Chloritized stringers are not common but do occur sporadically. Lower contact dipping at 25 degrees to core axis.

<i>Alteration Maj:</i>	<i>Type/Style/Intensity</i>	<i>Comment</i>
162.30 - 182.40	CL FRC 2	Chloritization, Along Fractures, Weak
162.30 - 182.40	EP AFG 3	Epidotization, Alteration of feldspar grains, Moderate
162.30 - 182.40	CL PV 3	Chloritization, Pervasive, Moderate

<i>Structure Maj.:</i>	<i>Inte/Type/Core Angle</i>	<i>Comment</i>
162.30 - 182.40	S DYK	Dyke

<i>Texture Maj:</i>	<i>Type</i>	<i>Comment</i>
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	162.30 - 182.40	EU	Euhedral									
	162.30 - 182.40	AP	Aphanitic									
	162.30 - 182.40	FG	Fine Grained (<1mm)									
	<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
	162.30 - 182.40	0.3 100 CHLV	Chlorite Veining, 100%									
182.40	399.00	<b>IITNL Tonalite</b> <b>T</b>	GY	409036	182.40	183.20	0.80	<0	-	<0.01	<0.01	-
		Altered tonalite with strong runs of silicified sections and selective sericite pervading from veinlets. Texturing within the silicified sections are mildly aphanitic with anhedral grain boundaries. However, there are phaneritic unaltered pockets with euhedral boundaries. In the phaneritic sections we can observe interstitial silicification with subhedral grain boundaries. The phaneritic sections also include localized sericite along stringers. Sporadic small quartz-chlorite and chlorite stringers and veinlets occur up to 210m. Beyond 210m we find chlorite veinlets and quartz-chlorite veins. Foliated mafic dykes are sporadic with carbaontes along foliated planes and quartz-calcuite/albite sometimes occurring along contacts. From upper contact we find moderate to strong sericite throughout with disseminated sulphide and pyrite along veinlets. This section of the unit is mostly silicified at a strong alteration level.		409037	183.20	184.00	0.80	0	-	0.01	-	-
				409038	184.00	185.00	1.00	<0	-	<0.01	-	-
				409039	185.00	186.00	1.00	<0	-	<0.01	-	-
				409040	186.00	187.00	1.00	<0	-	<0.01	-	-
				409041	187.00	187.70	0.70	0	-	0.01	-	-
				409042	187.70	188.50	0.80	0	-	0.02	-	-
				409043	188.50	189.20	0.70	0	-	0.01	-	-
		Mafic dyke with aphanitic texture between 330.3m and 331.3m with c arbaontes along foliated planes. Quartz chlorite vein between 331.3m and 332.8m. Bbiotized and strongly sericitized quartz diorite dyke between 332.8m and 335.6m.		409045	189.20	189.90	0.70	0	-	0.01	-	-
				409046	189.90	190.60	0.70	<0	-	<0.01	<0.01	-
				409047	190.60	192.00	1.40	<0	-	<0.01	-	-
		Spotty/selective phaneritic sections with weak hematite alteration and intermittent hematized veinlets and fractures. Intermittently, we find sericitized veinlet and stringer margins with chloritized fractured stockworks. Sporadic hematite altered stringers also occur within sericite altered areas. This section begins at 355m to 399m/EOH.		409048	192.00	193.00	1.00	0	-	0.01	-	-
				409049	193.00	194.00	1.00	<0	-	<0.01	-	-
				409050	194.00	195.00	1.00	<0	-	<0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
	182.40 - 221.00	BIO IG 2		Biotitization, Intergranular, Weak	409051	195.00	196.00	1.00	<0	-	<0.01	-
	182.40 - 221.00	SR MTV 4		Sericitization, Marginal to veins, Strong	409052	196.00	197.00	1.00	0	-	0.01	-
	182.40 - 221.00	SI PV 3		Silicification, Pervasive, Moderate	409053	197.00	198.00	1.00	0	-	0.01	-
	182.40 - 221.00	CL FRC 2		Chloritization, Along Fractures, Weak	409054	198.00	198.90	0.90	0	-	0.03	-
	182.40 - 221.00				409055	198.90	200.00	1.10	0	-	0.01	-
	221.00 - 268.00	SR PV 3		Sericitization, Pervasive, Moderate	409056	200.00	201.00	1.00	0	-	0.01	<0.01
	221.00 - 268.00	SI SPT 4		Silicification, Spotty/Patchy, Strong	409058	201.00	202.00	1.00	0	-	0.01	-
					409059	202.00	203.00	1.00	<0	-	<0.01	-

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Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
221.00 - 268.00		SR FRC 2	Sericitization, Along Fractures, Weak	409060	203.00	204.00	1.00	<0	-	<0.01	-	-
221.00 - 268.00		BIO IG 2	Biotitization, Intergranular, Weak	409061	204.00	205.00	1.00	0	-	0.02	-	-
268.00 - 303.00		SR MTV 2	Sericitization, Marginal to veins, Weak	409062	205.00	206.00	1.00	0	-	0.01	-	-
268.00 - 303.00		SI PV 4	Silicification, Pervasive, Strong	409063	206.00	207.00	1.00	0	-	0.01	-	-
268.00 - 303.00		CL FRC 2	Chloritization, Along Fractures, Weak	409064	207.00	208.00	1.00	<0	-	<0.01	-	-
268.00 - 303.00		BIO IG 3	Biotitization, Intergranular, Moderate	409065	208.00	209.00	1.00	0	-	0.01	-	-
268.00 - 303.00		BIO IG 3	Biotitization, Intergranular, Moderate	409066	209.00	210.00	1.00	0	-	0.01	0.01	-
303.00 - 320.00		CL FRC 1	Chloritization, Along Fractures, Very weak	409067	210.00	211.00	1.00	<0	-	<0.01	-	-
303.00 - 320.00		SI SPT 2	Silicification, Spotty/Patchy, Weak	409068	211.00	212.00	1.00	<0	-	<0.01	-	-
303.00 - 320.00		BIO IS 1	Biotitization, Interstitial, Very weak	409070	212.00	213.00	1.00	0	-	0.03	-	-
303.00 - 320.00		SR PV 4	Sericitization, Pervasive, Strong	409071	213.00	214.00	1.00	0	-	0.01	-	-
320.00 - 341.00		BIO IG 2	Biotitization, Intergranular, Weak	409072	214.00	215.00	1.00	0	-	0.01	-	-
320.00 - 341.00		SI PV 4	Silicification, Pervasive, Strong	409073	215.00	216.00	1.00	<0	-	<0.01	-	-
320.00 - 341.00		CL FRC 2	Chloritization, Along Fractures, Weak	409074	216.00	217.00	1.00	0	-	0.01	-	-
320.00 - 341.00		SR MTV 3	Sericitization, Marginal to veins, Moderate	409075	217.00	218.00	1.00	<0	-	<0.01	-	-
320.00 - 341.00		SR MTV 3	Sericitization, Marginal to veins, Moderate	409076	218.00	219.00	1.00	<0	-	<0.01	<0.01	-
341.00 - 358.00		SR FRC 1	Sericitization, Along Fractures, Very weak	409077	219.00	220.00	1.00	<0	-	<0.01	-	-
341.00 - 358.00		SI PV 3	Silicification, Pervasive, Moderate	409078	220.00	221.00	1.00	<0	-	<0.01	-	-
341.00 - 358.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak(spotty)	409079	221.00	222.00	1.00	0	-	0.01	-	-
341.00 - 358.00		BIO IG 2	Biotitization, Intergranular, Weak	409080	222.00	223.00	1.00	0	-	0.03	-	-
358.00 - 399.00		HM AFG 2	Hematization, Alteration of feldspar grains, Weak	409081	223.00	224.00	1.00	0	-	0.01	-	-
358.00 - 399.00		BIO IG 1	Biotitization, Intergranular, Very weak	409083	224.00	225.00	1.00	0	-	0.01	-	-
358.00 - 399.00		SI IS 3	Silicification, Interstitial, Moderate	409084	225.00	226.00	1.00	0	-	0.01	-	-
358.00 - 399.00		SR MTV 3	Sericitization, Marginal to veins, Moderate	409085	226.00	226.80	0.80	0	-	0.01	-	-
358.00 - 399.00		SR MTV 3	Sericitization, Marginal to veins, Moderate	409086	226.80	227.60	0.80	0	-	0.01	0.01	-
<b>Mineralization Maj. :</b>		<b>Type/Style/%Mineral</b>	<b>Comment</b>									
182.40 - 222.00		Py STG 0.2	Pyrite, Veinlets-stringers, 0.2%	409087	227.60	228.40	0.80	<0	-	<0.01	-	-
182.40 - 222.00		Py DIS 0.05	Pyrite, Disseminated, 0.05%	409088	228.40	229.20	0.80	0	-	0.01	-	-

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Hole Number **CL12-00031**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
222.00 - 268.00		Py VN 0.4	Pyrite, Vein-controlled, 0.4%	409089	229.20	230.10	0.90	0	-	0.01	-	-	
222.00 - 268.00		Py DIS 0.3	Pyrite, Disseminated, 0.3%	409090	230.10	230.10	0.00	<0	-	<0.01	-	-	
268.00 - 282.00		Py	nil	409091	231.10	232.00	0.90	0	-	0.01	-	-	
282.00 - 340.00		Py DIS 0.5	Pyrite, Disseminated, 0.5%	409092	232.00	233.00	1.00	<0	-	<0.01	-	-	
340.00 - 358.00		Py	Pyrite, trace	409093	233.00	234.00	1.00	<0	-	<0.01	-	-	
375.00 - 399.00		Py DIS 0.1	Pyrite, Disseminated, 0.1%	409095	234.00	235.00	1.00	0	-	0.01	-	-	
375.00 - 399.00		Py VN 0.2	Pyrite, Vein-controlled, 0.2%	409096	235.00	236.00	1.00	0	-	0.01	0.01	-	
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>	409097	236.00	237.00	1.00	0	-	0.01	-	-
190.60 - 192.00		S DYK	Dyke	409098	237.00	238.00	1.00	0	-	0.01	-	-	
228.40 - 229.20		S DYK	Dyke	409099	238.00	239.00	1.00	<0	-	<0.01	-	-	
240.10 - 240.50		MS DYK	Dyke	409100	239.00	240.00	1.00	<0	-	<0.01	-	-	
275.20 - 275.70		S DYK	Dyke	409101	240.00	241.00	1.00	<0	-	<0.01	-	-	
295.20 - 296.70		S DYK	Dyke	409102	241.00	242.00	1.00	<0	-	<0.01	-	-	
326.50 - 327.10		S FOL	Foliated	409103	242.00	243.00	1.00	<0	-	<0.01	-	-	
326.50 - 327.10		S DYK 20	Dyke, 20° CA	409104	243.00	244.00	1.00	<0	-	<0.01	-	-	
330.30 - 331.30		S FOL	Foliated	409105	244.00	245.00	1.00	<0	-	<0.01	-	-	
330.30 - 331.30		S DYK 30	Dyke, 30° CA	409106	245.00	246.00	1.00	0	-	0.03	0.03	-	
331.30 - 332.80		S QVN 40	Quartz Vein, 40° CA	409108	246.00	247.00	1.00	0	-	0.04	-	-	
332.80 - 335.60		S DYK 20	Dyke, 20° CA	409109	247.00	248.00	1.00	0	-	0.02	-	-	
361.40 - 361.90		S QCVN 30	Quartz Calcite Vein, 30° CA	409110	248.00	249.00	1.00	0	-	0.01	-	-	
377.70 - 378.10		S DYK	Dyke	409111	249.00	250.00	1.00	<0	-	<0.01	-	-	
378.60 - 378.90		S DYK	Dyke	409112	250.00	251.00	1.00	<0	-	<0.01	-	-	
385.40 - 386.30		S DYK	Dyke	409113	251.00	252.00	1.00	0	-	0.01	-	-	
		<b>Texture Maj.:</b>	<b>Type</b>	<b>Comment</b>	409114	252.00	253.00	1.00	0	-	0.01	-	-
182.40 - 227.60		NET	Net Textured sericite	409115	253.00	254.00	1.00	0	-	0.02	-	-	
182.40 - 227.60		MG	Medium Grained(1-5mm)	409116	254.00	255.00	1.00	<0	-	<0.01	<0.01	-	
182.40 - 227.60		PH	Phaneritic unless strongly silicified	409117	255.00	256.00	1.00	<0	-	<0.01	-	-	
227.60 - 268.00		AN	Anhedral										
227.60 - 268.00		NET	Net Textured										
227.60 - 268.00		MG	Medium Grained(1-5mm)										

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Project: **COTE GOLD**

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
227.60 - 268.00		PH	Phaneritic	409118	256.00	257.00	1.00	0	-	0.02	-	-
268.00 - 290.00		AP	Aphanitic	409120	257.00	258.00	1.00	0	-	0.07	-	-
268.00 - 290.00		AN	Anhedral	409121	258.00	259.00	1.00	0	-	0.03	-	-
268.00 - 290.00		NET	Net Textured along sericitized fractures	409122	259.00	260.00	1.00	0	-	0.02	-	-
290.00 - 357.00		AP	Aphanitic	409123	260.00	261.00	1.00	0	-	0.01	-	-
290.00 - 357.00		NET	Net Textured; sericitized margins 0.5m)	409124	261.00	262.00	1.00	<0	-	<0.01	-	-
290.00 - 357.00		AN	Anhedral	409125	262.00	263.00	1.00	<0	-	<0.01	-	-
290.00 - 357.00		CG	Coarse Grained (>5mm)	409126	263.00	264.00	1.00	0	-	0.02	0.01	-
357.00 - 399.00		NET	Net Textured throughout sericite altered vein margins	409127	264.00	265.00	1.00	<0	-	<0.01	-	-
357.00 - 399.00		PH	Phaneritic	409128	265.00	266.00	1.00	0	-	0.01	-	-
357.00 - 399.00		EU	Euhedral	409129	266.00	267.00	1.00	0	-	0.01	-	-
357.00 - 399.00		CG	Coarse Grained (>5mm)	409130	267.00	268.00	1.00	<0	-	<0.01	-	-
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
182.40 - 210.00		STG 2	40 CV	Calcite Vein, 40%	409131	268.00	269.00	1.00	<0	-	<0.01	-
182.40 - 210.00		STG 2	60 QCHLV	Quartz-Chlorite Vein, 60%	409133	282.00	283.00	1.00	0	-	0.02	-
210.00 - 217.00		VN 10	30 CHLV	Chlorite Veining, 30%	409134	283.00	284.00	1.00	0	-	0.01	-
210.00 - 217.00		VN 10	40 QCHLV	Quartz-Chlorite Vein, 40%	409135	284.00	285.00	1.00	0	-	0.02	-
210.00 - 217.00		VN 10	30 QV	Quartz Vein, 30%	409136	285.00	286.00	1.00	0	-	0.01	<0.01
217.00 - 228.40		VN 5	90 QV	Quartz Vein, 90%	409137	286.00	287.00	1.00	0	-	0.01	-
217.00 - 228.40		VN 5	10 QCV	Quartz-Calcite Vein, 10%	409138	287.00	288.00	1.00	0	-	0.02	-
228.40 - 268.00		STG 4	10 CHLV	Chlorite Veining, 10%	409139	288.00	289.00	1.00	0	-	0.04	-
228.40 - 268.00		STG 4	90 QCV	Quartz-Calcite Vein, 90%	409140	289.00	290.00	1.00	0	-	0.03	-
282.00 - 331.30		VN 3	20 QV	Quartz Vein, 20%	409141	290.00	291.00	1.00	0	-	0.03	-
282.00 - 331.30		VN 3	80 QCV	Quartz-Calcite Vein, 80%	409142	291.00	292.00	1.00	0	-	0.01	-
331.30 - 332.80		VN 100	100 QCHLV	Quartz-Chlorite Vein, 100%	409143	292.00	293.00	1.00	0	-	0.01	-
332.80 - 361.40		STG 1	30 CBV	Carbonate Vein, 30%	409145	293.00	293.80	0.80	0	-	0.01	-
332.80 - 361.40		STG 1	70 QV	Quartz Vein, 70%	409146	293.80	294.50	0.70	<0	-	<0.01	<0.01
361.40 - 361.90		VN 100	20 CHLV	Chlorite Veining, 20%	409147	294.50	295.20	0.70	<0	-	<0.01	-
361.40 - 361.90		VN 100	80 QICV	Quartz Iron-Carbonate Vein, 80%								
361.90 - 399.00		FACV 2	40 QV	Quartz Vein, 40%								
361.90 - 399.00		FACV 2	30 HMV	Hematite Vein, 30%								

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Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	361.90 - 399.00	FACV 2 30 CBV	Carbonate Vein, 30%	409148	295.20	296.00	0.80	<0	-	<0.01	-	-
<b>Minor Interval:</b>				409149	296.00	296.70	0.70	<0	-	<0.01	-	-
190.60	192.00	IM <i>Mafic Intrusive</i>		409150	296.70	297.50	0.80	<0	-	<0.01	-	-
		Foliated mafic dyke with carbonates along foliated planes. Crenulation throughout unit. Pervasive chlorite alteration throughout. Lower contact dipping at 60 degrees to core axis.		409151	297.50	298.50	1.00	<0	-	<0.01	-	-
		<b>Alteration Min:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>	409152	298.50	299.00	0.50	<0	-	<0.01	-
		190.60 - 192.00	CB FP 4	Carbonatization, Along Foliation Plan	409153	299.00	300.00	1.00	<0	-	<0.01	-
		190.60 - 192.00	CL PV 4	Chloritization, Pervasive, Strong	409154	300.00	301.00	1.00	<0	-	<0.01	-
		<b>Structure Min.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>	409155	301.00	302.00	1.00	0	-	0.01	-
		190.60 - 192.00	S FOL	Foliated	409156	302.00	303.00	1.00	<0	-	<0.01	0.03
		190.60 - 192.00	S DYK	Dyke	409158	303.00	304.00	1.00	0	-	0.02	-
		190.60 - 192.00	S CRN	Crenulation	409159	304.00	305.00	1.00	0	-	0.01	-
		<b>Texture Min:</b>	<b>Type</b>	<b>Comment</b>	409160	305.00	306.00	1.00	0	-	0.01	-
		190.60 - 192.00	LAM	Laminated	409161	306.00	307.00	1.00	0	-	0.34	-
		190.60 - 192.00	AP	Aphanitic	409162	307.00	308.00	1.00	0	-	0.26	-
		<b>Vein Min. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>	409163	308.00	309.00	1.00	0	-	0.01	-
		190.60 - 192.00	FPV 30 100 CV	Calcite Vein, 100%	409164	309.00	310.00	1.00	0	-	0.01	-
					409165	310.00	311.00	1.00	0	-	0.06	-
					409166	311.00	312.00	1.00	0	-	0.04	0.05
					409167	312.00	313.00	1.00	<0	-	<0.01	-
					409168	313.00	314.00	1.00	0	-	0.01	-
					409170	314.00	315.00	1.00	<0	-	<0.01	-
					409171	315.00	316.00	1.00	<0	-	<0.01	-
					409172	316.00	317.00	1.00	<0	-	<0.01	-
					409173	317.00	318.00	1.00	<0	-	<0.01	-
					409174	318.00	319.00	1.00	0	-	0.01	-
					409175	319.00	320.00	1.00	0	-	0.01	-
					409176	320.00	321.00	1.00	0	-	0.01	0.01

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Project: **COTE GOLD**

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
<b>Minor Interval:</b>				409177	321.00	322.00	1.00	0	-	0.01	-	-	
275.20	275.70	IM <i>Mafic Intrusive</i>		409178	322.00	323.00	1.00	<0	-	<0.01	-	-	
		Mafic dyke with intermittent quartz-carbonate stringers along veinlets. Fine grain aphanitic texture throughout. Lower contact dipping at 30 degrees to core axis.		409179	323.00	324.00	1.00	<0	-	<0.01	-	-	
		<b>Alteration Min:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>	409180	324.00	324.80	0.80	<0	-	<0.01	-	-
	275.20 - 275.70	CB FRC		Carbonatization, Along Fractures	409181	324.80	325.60	0.80	<0	-	<0.01	-	-
	275.20 - 275.70	CL PV		Chloritization, Pervasive	409183	325.60	326.50	0.90	0	-	0.01	-	-
		<b>Structure Min.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>	409184	326.50	327.10	0.60	<0	-	<0.01	-	-
	275.20 - 275.70	S FAC		Fractured	409185	327.10	327.80	0.70	<0	-	<0.01	-	-
	275.20 - 275.70	S DYK		Dyke	409186	327.80	328.60	0.80	<0	-	<0.01	<0.01	-
		<b>Texture Min:</b>	<b>Type</b>	<b>Comment</b>	409187	328.60	329.50	0.90	<0	-	<0.01	-	-
	275.20 - 275.70	EU		Euhedral	409188	329.50	330.30	0.80	<0	-	<0.01	-	-
	275.20 - 275.70	FG		Fine Grained (<1mm)	409189	330.30	331.30	1.00	0	-	0.01	-	-
	275.20 - 275.70	AP		Aphanitic	409190	331.30	332.80	1.50	<0	-	<0.01	-	-
		<b>Vein Min. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>	409191	332.80	333.70	0.90	<0	-	<0.01	-	-
	275.20 - 275.70	20 100 CV		Calcite Vein, 100%	409192	333.70	334.60	0.90	<0	-	<0.01	-	-
<b>Minor Interval:</b>				409193	334.60	335.60	1.00	<0	-	<0.01	-	-	
295.20	296.70	IM <i>Mafic Intrusive</i>		409195	335.60	336.40	0.80	<0	-	<0.01	-	-	
		Foliated mafic dyke with carbonates along foliated planes. Strongly biotized margins along calcite filled foliated planes. Lower contact dipping at 30 degrees to core axis.		409196	336.40	337.20	0.80	<0	-	<0.01	<0.01	-	
				409197	337.20	338.00	0.80	<0	-	<0.01	-	-	
				409198	360.00	361.00	1.00	<0	-	<0.01	-	-	
				409199	361.00	362.00	1.00	<0	-	<0.01	-	-	
				409200	362.00	363.00	1.00	<0	-	<0.01	-	-	
				409201	374.00	375.00	1.00	<0	-	<0.01	-	-	
				409202	375.00	376.00	1.00	<0	-	<0.01	-	-	
				409203	376.00	377.00	1.00	<0	-	<0.01	-	-	
				409204	377.00	378.10	1.10	<0	-	<0.01	-	-	
				409205	378.10	379.00	0.90	<0	-	<0.01	-	-	



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Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
<b>Minor Interval:</b>				409206	379.00	380.00	1.00	<0	-	<0.01	<0.01	-	
326.50	327.10	IM <i>Mafic Intrusive</i>		409208	380.00	381.00	1.00	0	-	0.04	-	-	
		Foliated mafic dyke with chlorite and carboantes along foliated planes.											
		<b>Alteration Min:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>	409209	381.00	382.00	1.00	<0	-	<0.01	-	-
		326.50 - 327.10	CB PV 3	Carbonatization, Pervasive, Moderat	409210	382.00	383.00	1.00	<0	-	<0.01	-	-
		326.50 - 327.10	CL FRC 2	Chloritization, Along Fractures, Weak	409211	383.00	384.00	1.00	0	-	0.10	-	-
		326.50 - 327.10	BIO FRC 2	Biotitization, Along Fractures, Weak	409212	384.00	384.70	0.70	<0	-	<0.01	-	-
		<b>Structure Min.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>	409213	384.70	385.40	0.70	<0	-	<0.01	-	-
		326.50 - 327.10	S FOL	Foliated	409214	385.40	386.30	0.90	<0	-	<0.01	-	-
		326.50 - 327.10	S DYK 20	Dyke, 20° CA	409215	386.30	387.00	0.70	<0	-	<0.01	-	-
		<b>Texture Min:</b>	<b>Type</b>	<b>Comment</b>	409216	387.00	388.00	1.00	<0	-	<0.01	<0.01	-
		326.50 - 327.10	LAM	Laminated	409217	388.00	389.00	1.00	<0	-	<0.01	-	-
		326.50 - 327.10	AN	Anhedral	409218	389.00	390.00	1.00	<0	-	<0.01	-	-
		326.50 - 327.10	MG	Medium Grained(1-5mm)	409220	390.00	391.00	1.00	<0	-	<0.01	-	-
					409221	391.00	392.00	1.00	<0	-	<0.01	-	-
					409222	392.00	393.00	1.00	<0	-	<0.01	-	-
					409223	393.00	394.00	1.00	<0	-	<0.01	-	-
					409224	394.00	395.00	1.00	<0	-	<0.01	-	-
					409225	395.00	396.00	1.00	<0	-	<0.01	-	-
					409226	396.00	397.00	1.00	<0	-	<0.01	<0.01	-
					409227	397.00	398.00	1.00	<0	-	<0.01	-	-
					409228	398.00	399.00	1.00	<0	-	<0.01	-	-

## QUALITY CONTROL REPORT

Hole Number **CL12-00031**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)	
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)		Au (ppm)
408957	STANDARD		OREAS 501	AccurAssay	-	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408969	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408982	STANDARD		OREAS 504	AccurAssay	-	-	1.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408994	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409007	STANDARD		OREAS 204	AccurAssay	-	-	1.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409019	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409032	STANDARD		OREAS 206	AccurAssay	-	-	2.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409044	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409057	STANDARD		OREAS 501	AccurAssay	-	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409069	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409082	STANDARD		OREAS 504	AccurAssay	-	-	1.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409094	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409107	STANDARD		OREAS 204	AccurAssay	-	-	1.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409119	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409132	STANDARD		OREAS 206	AccurAssay	-	-	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409144	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409157	STANDARD		OREAS 501	AccurAssay	-	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409169	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409182	STANDARD		OREAS 504	AccurAssay	-	-	1.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409194	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409207	STANDARD		OREAS 204	AccurAssay	-	-	1.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409219	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

# DRILL HOLE REPORT

Hole Number: **CL12-00032**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 331	<b>Length:</b> 0	<b>Dimension:</b> BQW	<b>Claim No.:</b> 546995	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -44	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 315	<b>Capped:</b> No	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 12-Jun-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 18-Jun-12	<b>Left in hole:</b> no	<b>Logged by:</b> Martin Laforest	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 22-Jun-12	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
<b>Comment:</b> Corrected the EOH meterage from 350m to 315m.			<b>East:</b> 432035	<b>East:</b> 432035
			<b>North:</b> 5264191	<b>North:</b> 5264191
			<b>Elev.:</b> 396	<b>Elev.:</b> 396
			<b>Coordinate - Local</b>	<b>East:</b> 9900
				<b>North:</b> 6500
				<b>Elev.:</b> 396

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	331.00	-44.00	0	0	0	0	C	<input type="checkbox"/>	
6.00	330.60	-43.90	0	0	0	56680	Flexit	<input checked="" type="checkbox"/>	
50.00	331.90	-42.70	0	0	0	55940	Flexit	<input checked="" type="checkbox"/>	
99.00	333.50	-40.60	0	0	0	55960	Flexit	<input checked="" type="checkbox"/>	
150.00	336.00	-36.90	0	0	0	55720	Flexit	<input checked="" type="checkbox"/>	
204.00	339.90	-33.50	0	0	0	55590	Flexit	<input checked="" type="checkbox"/>	
252.00	340.40	-30.00	0	0	0	55500	Flexit	<input checked="" type="checkbox"/>	
300.00	342.50	-26.60	0	0	0	55730	Flexit	<input checked="" type="checkbox"/>	

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00032**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
0.00	1.70	<b>OB Overburden</b>										
1.70	32.70	<b>IIMM Magma-mixing Breccia</b>	GG	408768	30.00	30.90	0.90	<0	-	<0.01	-	-
		Magma mixing between coarse grained tonalite and coarse grained quartz-diorite with euhedral texture within both unit types. Intergranular biotite/chlorite throughout diorite unit with tonalite sections having a lower biotite density and stronger albitized plagioclase. The main indicator of magma mixing are the sharp contacts with dips ranging between 35 and 60 degrees to core axis. Some stringers include a silicified halo. Weakly pervasive hematite altered plagioclase pervading stringers and veinlets. Intermittent quartz veinlets occur sporadically. Lower contact is dipping at 30 degrees to core axis.		408770	30.90	31.70	0.80	<0	-	<0.01	-	-
				408771	31.70	32.70	1.00	<0	-	<0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		1.70 - 32.70	SI MTV 2	Silicification, Marginal to veins, Weak								
		1.70 - 32.70	CL IG 3	Chloritization, Intergranular, Moderate								
		1.70 - 32.70	HM PV 2	Hematization, Pervasive, Weak								
		1.70 - 32.70	AB AFG 2	Albitization, Alteration of feldspar grains, Weak								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
		1.70 - 32.70	EQ	Equigranular								
		1.70 - 32.70	EU	Euhedral								
		1.70 - 32.70	MG	Medium Grained(1-5mm)								
		1.70 - 32.70	PH	Phaneritic								
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
		1.70 - 32.70	STG 2 20	CHLV Chlorite Veining, 20%								

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00032**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>	
	1.70 - 32.70	STG 2 80 QV	Quartz Vein, 80%										
32.70	39.80	<b>IMDIA Diabase</b>	BLK	408772	32.70	33.50	0.80	<0	-	<0.01	-	-	
		Fine to medium grained diabase dyke with interstitial epidote altered plagioclase. This unit is mildly magnetic. Sporadic carbonate stringers occurs throughout and sometimes - approx 40% of the time- include weak localized hematite alteration. Intergranular biotite occurs pervasively throughout. Disseminated pyrite speck occurs throughout. Lower contact dipping at 40 degrees to core axis.		408773	33.50	34.30	0.80	<0	-	<0.01	-	-	
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>	408774	34.30	35.00	0.70	<0	-	<0.01	<0.01	-
		32.70 - 39.80	CL PV 3	Chloritization, Pervasive, Moderate	408775	35.00	36.00	1.00	<0	-	<0.01	-	-
		32.70 - 39.80	HM FRC 2	Hematization, Along Fractures, Weak	408776	36.00	37.00	1.00	<0	-	<0.01	-	-
		32.70 - 39.80	BIO IG 3	Biotitization, Intergranular, Moderate	408777	37.00	38.00	1.00	<0	-	<0.01	-	-
		32.70 - 39.80	EP IS 2	Epidotization, Interstitial, Weak	408778	38.00	39.00	1.00	<0	-	<0.01	-	-
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>	408779	39.00	39.80	0.80	<0	-	<0.01	-	-
		32.70 - 39.80	Py DIS 0.3	Pyrite, Disseminated, 0.3%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
		32.70 - 39.80	S DYK	Dyke									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>									
		32.70 - 39.80	PH	Phaneritic									
		32.70 - 39.80	SB	Subhedral									
		32.70 - 39.80	MG	Medium Grained(1-5mm)									
		32.70 - 39.80	FG	Fine Grained (<1mm)									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
		32.70 - 39.80	STG 7 100 CV	Calcite Vein, 100%									
39.80	83.80	<b>IIMM Magma-mixing Breccia</b>	GY	408780	39.80	40.70	0.90	<0	-	<0.01	-	-	
		Mixing between coarse grained tonalite and coarse grained quartz-diorite units. Both have a euhedral texture. Intergranular biotite/chlorite throughout Diorite sections. Tonalite sections have a lower biotite density and stronger albitized plagioclase. The main indicators of magma mixing are the sharp contacts seperating the fragments. The dip ranges between 35 and 50 degrees to core axis. Magma mixing of this											

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00032**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
sort is common near surface and we see it begin above the diabase dike.												
<b>Alteration Maj:</b>		<b>Type/Style/Intensity</b>	<b>Comment</b>									
39.80 - 83.80		HM FRC 2	Hematization, Along Fractures, Weak									
39.80 - 83.80		BIO IG 3	Biotitization, Intergranular, Moderate									
39.80 - 83.80		CL IS 4	Chloritization, Interstitial, Strong									
39.80 - 83.80		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate									
<b>Structure Maj.:</b>		<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
66.10 - 69.20		S DYK	Dyke									
<b>Texture Maj:</b>		<b>Type</b>	<b>Comment</b>									
39.80 - 83.80		PH	Phaneritic									
39.80 - 83.80		MG	Medium Grained(1-5mm)									
39.80 - 83.80		CG	Coarse Grained (>5mm)									
39.80 - 83.80		EU	Euhedral									
<b>Vein Maj. :</b>		<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
39.80 - 83.80		STG 10 40 QV	Quartz Vein, 40%									
39.80 - 83.80		STG 10 60 CV	Calcite Vein, 60%									
<b>Minor Interval:</b>												
66.90	69.20	IM	<i>Mafic Intrusive</i>									
Mafic dyke with interstitial biotite throughout. Sporadic epidotized chlorite fractures occur along with intermittent carbonate stringers. Strong fracturing between 62m and 63m. Fine grained texture throughout.												
<b>Alteration Min:</b>		<b>Type/Style/Intensity</b>	<b>Comment</b>									
66.90 - 69.20		EP FRC 2	Epidotization, Along Fractures, Weak									
66.90 - 69.20		CB FRC 2	Carbonatization, Along Fractures, Weak									
66.90 - 69.20		BIO IG 3	Biotitization, Intergranular, Moderate									
66.90 - 69.20		CL PV 3	Chloritization, Pervasive, Moderate									
<b>Mineralization Min:</b>		<b>Type/Style/%Mineral</b>	<b>Comment</b>									
66.90 - 69.20		Py DIS 0.3	Pyrite, Disseminated, 0.3%									

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00032**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
		<b>Structure Min.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
	66.90 - 69.20	S	DYK	Dyke									
		<b>Texture Min:</b>	<b>Type</b>	<b>Comment</b>									
	66.90 - 69.20	FG		Fine Grained (<1mm)									
	66.90 - 69.20	AP		Aphanitic									
		<b>Vein Min. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
	66.90 - 69.20	FACV	0.5 60	CHLV Chlorite Veining, 60%									
	66.90 - 69.20	FACV	0.5 40	CV Calcite Vein, 40%									
83.80	128.40	<b>IITNL Tonalite</b> T		CR	408781	112.60	113.40	0.80	<0	-	<0.01	-	
		Coarse grained tonalite with intergranular biotite and interstitial chlorite occurring throughout at different intensities. The biotite content is approximately 20% throughout and jumps up to 50% in localized zones. Albitized feldspars are common. Chloritized stringers often include silicified halos. Quartz-carbonate veinlets and stringers occur sporadically throughout. Pervasive silicification and localized sericite occurs beyond 100m. Quartz-chlorite vein between 114.4m and 114.9m with lower contact dipping at 20 degrees to core axis. Sporadic quartz-chlorite veinlets and stringer in close proximity to the vein. Mild silicification and moderate sericite occurs from quartz vein to lower contact. Lower contact dipping at 10 degrees to core axis.			408783	113.40	114.40	1.00	0	-	0.01	-	
					408784	114.40	114.90	0.50	<0	-	<0.01	<0.01	-
					408785	114.90	115.60	0.70	0	-	0.01	-	-
					408786	115.60	116.50	0.90	<0	-	<0.01	-	-
					408787	116.50	117.40	0.90	<0	-	<0.01	-	-
					408788	117.40	118.20	0.80	<0	-	<0.01	-	-
					408789	118.20	119.00	0.80	<0	-	<0.01	-	-
					408790	119.00	120.00	1.00	<0	-	<0.01	-	-
					408791	120.00	121.00	1.00	<0	-	<0.01	-	-
					408792	121.00	122.00	1.00	<0	-	<0.01	-	-
				408793	122.00	123.00	1.00	<0	-	<0.01	-	-	
				408795	123.00	124.00	1.00	<0	-	<0.01	-	-	
				408796	124.00	125.00	1.00	<0	-	<0.01	-	-	
				408797	125.00	126.00	1.00	<0	-	<0.01	-	-	
				408798	126.00	126.80	0.80	<0	-	<0.01	-	-	
				408799	126.80	127.60	0.80	0	-	0.03	-	-	
				408800	127.60	128.40	0.80	<0	-	<0.01	-	-	
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>									
	83.80 - 100.00	SI	FRC 2	Silicification, Along Fractures, Weak									
	83.80 - 100.00	CL	IS 3	Chloritization, Interstitial, Moderate									
	83.80 - 100.00	BIO	IG 3	Biotitization, Intergranular, Moderate									
	83.80 - 100.00	AB	AFG 3	Albitization, Alteration of feldspar grains, Moderate									
	100.00 - 108.00	CB	FRC 3	Carbonatization, Along Fractures, Moderate									
	100.00 - 108.00	SR	MTV 3	Sericitization, Marginal to veins, Moderate									
	100.00 - 108.00	SI	PV 3	Silicification, Pervasive, Moderate									

**LITHOLOGY REPORT**  
**- Detailed -**

Hole Number **CL12-00032**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	108.00 - 128.40	SR MTV 3	Sericitization, Marginal to veins, Moderate									
	108.00 - 128.40	SI PV 4	Silicification, Pervasive, Strong									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	112.60 - 128.40	Py BLB 0.2	Pyrite, Blebs, 0.2%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	114.40 - 114.90	S QVN	Quartz Vein									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
	83.80 - 108.00	CG	Coarse Grained (>5mm)									
	83.80 - 108.00	EU	Euhedral									
	83.80 - 108.00	EQ	Equigranular									
	83.80 - 108.00	PH	Phaneritic									
	108.00 - 128.40	SB	Subhedral									
	108.00 - 128.40	NET	Net Textured Sericite localized along veinlets									
	108.00 - 128.40	CG	Coarse Grained (>5mm)									
	108.00 - 128.40	PH	Phaneritic									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	83.80 - 113.40	STG 2 40	CHLV Chlorite Veining, 40%									
	83.80 - 113.40	STG 2 60	CV Calcite Vein, 60%									
	113.40 - 128.40	20	CHLV Chlorite Veining, 20%									
	113.40 - 128.40	20 80	QV Quartz Vein, 80%									
128.40	138.70	<b>IIMM Magma-mixing Breccia</b>										
		<p>Mixing between tonalite and diorite units. All fragments have sharp contacts. Both units hold a phaneritic texture with euhedral grains throughout the diorite fragments and subhedral grained throughout the tonalites. Intergranular biotite throughout. Intermittent quartz veinlets including a sporadic carbonate and chlorite stringers occurs throughout. Mafic clots are sporadically dispersed throughout with widths ranging from 1 to 3cm. These stringers and veinlets dip at approximately 30 degrees to core axis. Lower contact dipping at 70 degrees to core axis.</p>										



**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00032**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
138.70	189.00	<b>IIDR Diorite</b>	GRBLK	408801	187.00	188.00	1.00	<0	-	<0.01	-	-
		Quartz diorite with Phaneritic coarse grain and euhedral texture. Well formed feldspars clusters are selectively pervassive giving a weak sense of a porphyritic texture. Quartz veinlets and stringers occur sporadically. Intergranular biotite is common throughout. Lower contact dipping at 25 degrees to core axis.		408802	188.00	189.00	1.00	<0	-	<0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		138.70 - 189.00	BIO IG 4	Biotitization, Intergranular, Strong								
		138.70 - 189.00	SI IG 3	Silicification, Intergranular, Moderate								
		138.70 - 189.00	AB AFG 1	Albitization, Alteration of feldspar grains, Very weak								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
		138.70 - 189.00	EQ	Equigranular								
		138.70 - 189.00	CG	Coarse Grained (>5mm)								
		138.70 - 189.00	EU	Euhedral								
		138.70 - 189.00	PH	Phaneritic								
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
		138.70 - 189.00	STG 2 40 QV	Quartz Vein, 40%								
		138.70 - 189.00	STG 2 60 QCV	Quartz-Calcite Vein, 60%								
		<b>Minor Interval:</b>										
173.00	178.00	<b>IIMM Magma-mixing</b>										
		Section of magma mixing of tonalite clasts within a diorite matrix. Sharp contacts throughout.										
		<b>Alteration Min:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		173.00 - 178.00	AB AFG 2	Albitization, Alteration of feldspar gra								
		173.00 - 178.00	BIO IG 4	Biotitization, Intergranular, Strong								

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
		<b>Structure Min.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>									
	173.00 - 178.00	MS BX		Brecciated									
		<b>Texture Min:</b>	<b>Type</b>	<b>Comment</b>									
	173.00 - 178.00	EU		Euhedral									
	173.00 - 178.00	CG		Coarse Grained (>5mm)									
	173.00 - 178.00	PH		Phaneritic									
		<b>Vein Min. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
	173.00 - 178.00	STG 2	50 CV	Calcite Vein, 50%									
	173.00 - 178.00	STG 2	50 QV	Quartz Vein, 50%									
189.00	206.00	<b>IIMM Magma-mixing Breccia</b>		GY	408803	189.00	190.00	1.00	<0	-	<0.01	-	-
		Mixing between tonalites and diorites with both having coarse grained phaneritic textures. Grain boundaries are euhedral within the diorites and subhedral throughout tonalite sections. Lotization is common between both rock types, however more common within the diorites. Hematite altered plagioclase is common within tonalite fragments. Sericite alteration pervades from stringers and veinlets. Chlorite and carbonate veinlets and stringers are common throughout unit. Aphanetic textured foliated mafic dyke occurs between 193.6m to 196.7m with carbonates along foliated planes. Lower contact dipping at 30 degrees to core axis.			408804	190.00	191.00	1.00	<0	-	<0.01	<0.01	-
					408805	191.00	192.00	1.00	<0	-	<0.01	-	-
					408806	192.00	192.80	0.80	<0	-	<0.01	-	-
					408808	192.80	193.60	0.80	<0	-	<0.01	-	-
					408809	193.60	194.40	0.80	<0	-	<0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>	408810	194.40	195.30	0.90	<0	-	<0.01	-	-
	189.00 - 206.00	SR MTV 3		Sericitization, Marginal to veins, Moderate	408811	195.30	196.00	0.70	<0	-	<0.01	-	-
	189.00 - 206.00	HM AFG 2		Hematization, Alteration of feldspar grains, Weak	408812	196.00	196.70	0.70	<0	-	<0.01	-	-
	189.00 - 206.00	BIO IG 4		Biotitization, Intergranular, Strong	408813	196.70	197.50	0.80	<0	-	<0.01	-	-
	189.00 - 206.00	CL FRC 2		Chloritization, Along Fractures, Weak	408814	197.50	198.40	0.90	<0	-	<0.01	<0.01	-
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>	408815	198.40	199.20	0.80	<0	-	<0.01	-	-
	189.00 - 206.00	Py DIS 0.01		Pyrite, Disseminated, 0.01%	408816	199.20	200.00	0.80	<0	-	<0.01	-	-
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>	408817	200.00	201.00	1.00	<0	-	<0.01	-	-
	194.40 - 196.40	S DYK		Dyke	408818	201.00	202.00	1.00	<0	-	<0.01	-	-
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>	408820	202.00	203.00	1.00	<0	-	<0.01	-	-
	189.00 - 206.00	NET		Net Textured sericite Along Stringers	408821	203.00	204.00	1.00	<0	-	<0.01	-	-
	189.00 - 206.00	CG		Coarse Grained (>5mm)									

**LITHOLOGY REPORT**  
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Hole Number **CL12-00032**

Project: **COTE GOLD**

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	189.00 - 206.00	SB	Subhedral									
	189.00 - 206.00	PH	Phaneritic									
	<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
	189.00 - 206.00	STG 3 10 QCHLV	Quartz-Chlorite Vein, 10%									
	189.00 - 206.00	STG 3 70 QV	Quartz Vein, 70%									
	189.00 - 206.00	STG 3 20 QCV	Quartz-Calcite Vein, 20%									
<b>Minor Interval:</b>												
194.40	196.70	IM	<i>Mafic Intrusive</i>									
		Foliated mafic dyke with boudinaged sections. Carbonates along foliated planes. Fine grain to aphanitic texturing throughout. Carbonates along foliated planes. Intermittent quartz-carbonate veinlets throughout. Lower contact dips at 70 degrees to core axis.										
		<b>Alteration Min:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
	194.40 - 196.70	CB	FP 2	Carbonatization, Along Foliation Plan								
	194.40 - 196.70	CL	PV 4	Chloritization, Pervasive, Strong								
		<b>Mineralization Min:</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	194.40 - 196.70	Py	DIS 0.1	Pyrite, Disseminated, 0.1%								
		<b>Structure Min.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	194.40 - 196.70	MS	FOL	Foliated								
	194.40 - 196.70	MS	BO	Boudinage								
		<b>Texture Min:</b>	<b>Type</b>	<b>Comment</b>								
	194.40 - 196.70	AN		Anhedral								
	194.40 - 196.70	FG		Fine Grained (<1mm)								
	194.40 - 196.70	AP		Aphanitic								
		<b>Vein Min. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	194.40 - 196.70	STG	5 15 CHLV	Chlorite Veining, 15%								
	194.40 - 196.70	STG	5 85 QCV	Quartz-Calcite Vein, 85%								

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<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
206.00	253.00	<b>IITNL Tonalite</b> <b>T</b>	CR	408822	233.00	234.00	1.00	<0	-	<0.01	-	-
		Tonalite with selectively pervasive silicification. Intergranular biotite and loclaized interstitial chlorite. Intermittent quartz-chlorite veinelts and stringers. Texture is phaneritic with fine to medium grain size with subhedral crystal outline. Silicification pervades from veinelts and stringers and manifests as interstitial patches throughout unit. Mafic dyke occurs between 235.5m and 236m. Moderately chloritized and sericitized section between 236.2m and 249 with sericite and silicification occuring along veinelts. Lower contact dipping at <10 degrees to core axis.		408823	234.00	235.00	1.00	<0	-	<0.01	-	-
				408824	235.00	236.00	1.00	<0	-	<0.01	<0.01	-
				408825	236.00	237.00	1.00	<0	-	<0.01	-	-
				408826	237.00	238.00	1.00	<0	-	<0.01	-	-
				408827	238.00	239.00	1.00	<0	-	<0.01	-	-
				408828	239.00	240.00	1.00	<0	-	<0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
206.00 - 253.00		SR MTV 3		Sericitization, Marginal to veins, Moderate								
206.00 - 253.00		SI MTV 3		Silicification, Marginal to veins, Moderate								
206.00 - 253.00		BIO IG 2		Biotitization, Intergranular, Weak								
206.00 - 253.00		AB AFG 2		Albitization, Alteration of feldspar grains, Weak								
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
234.00 - 240.00		Py VN 0.4		Pyrite, Vein-controlled, 0.4%								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
235.50 - 236.00		S DYK		Dyke								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
206.00 - 253.00		SB		Subhedral								
206.00 - 253.00		MG		Medium Grained(1-5mm)								
206.00 - 253.00		FG		Fine Grained (<1mm)								
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
206.00 - 253.00		FACV 1 25 QV		Quartz Vein, 25%								
206.00 - 253.00		FACV 1 35 CV		Calcite Vein, 35%								
206.00 - 253.00		FACV 1 40 CHLV		Chlorite Veining, 40%								
<b>Minor Interval:</b>												
235.50	236.00	IM		<b>Mafic Intrusive</b>								
				Lamprophyric dyke with intergranular biotite. Biotitie crystal average 2mm to 3mm in width. Foliation near contacts with carbonate salong folated planes. Boudinage occuring near upper contact.								
		<b>Alteration Min:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	235.50 - 236.00	CB FP	Carbonatization, Along Foliation Plan									
	235.50 - 236.00	CL PV	Chloritization, Pervasive									
		<b>Structure Min.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	235.50 - 236.00	S FOL	Foliated									
	235.50 - 236.00	S BO	Boudinage									
	235.50 - 236.00	S DYK	Dyke									
		<b>Texture Min:</b>	<b>Type</b>	<b>Comment</b>								
	235.50 - 236.00	FG	Fine Grained (<1mm)									
	235.50 - 236.00	AP	Aphanitic									
		<b>Vein Min. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	235.50 - 236.00	FACV 2	20 CHLV	Chlorite Veining, 20%								
	235.50 - 236.00	FACV 2	80 CV	Calcite Vein, 80%								
253.00	287.70	<b>IMDIA Diabase</b>										
		Fine grained diabase with aphanitic texture throughout. Epidotized feldspar phenocrysts occurs near upper contact. These nodules have subhedral outline and range in size from 5mm to 3cm and occur throughout unit. Lower contact dips at 20 degrees to core axis.										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
	253.00 - 287.70	EP AFG 3		Epidotization, Alteration of feldspar grains, Moderate								
	253.00 - 287.70	CL PV 3		Chloritization, Pervasive, Moderate								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	253.00 - 287.70	S DYK		Dyke								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
	253.00 - 287.70	AN		Anhedral								
	253.00 - 287.70	FG		Fine Grained (<1mm)								
	253.00 - 287.70	AP		Aphanitic								

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<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
287.70	315.00	<b>IITNL Tonalite</b> <b>T</b>	CR	408829	309.00	310.00	1.00	<0	-	<0.01	-	-
		Tonalite up to EOH. Strongly phaneritic texture with euhedral crystal outline up to 298m where pervasive silicification sets in. Coarse grain texture throughout. Intergranular biotite and interstitial chlorite is common throughout in weak form. Sericite alteration is common beyond 309m in moderately strong form. Fracturing and and chlorite/carbonate filled fractures are common beyond 209m. Pervasive hematite and albitized feldspar grains occurs from top of unit to 298m in moderate form. Beyond 298m hematite alteration is limited to stringers. Sporadic quartz veins and chlorite veins throughout unit.		408830	310.00	311.00	1.00	0	-	0.01	-	-
				408831	311.00	312.00	1.00	<0	-	<0.01	-	-
				408833	312.00	313.00	1.00	0	-	0.01	-	-
				408834	313.00	314.00	1.00	0	-	0.01	<0.01	-
				408835	314.00	315.00	1.00	<0	-	<0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		287.70 - 298.00	BIO IS 2	Biotitization, Interstitial, Weak								
		287.70 - 298.00	CL IG 2	Chloritization, Intergranular, Weak								
		287.70 - 298.00	HM AFG 4	Hematization, Alteration of feldspar grains, Strong								
		287.70 - 298.00	AB AFG 2	Albitization, Alteration of feldspar grains, Weak								
		298.00 - 309.00	HM FRC 3	Hematization, Along Fractures, Moderate								
		298.00 - 309.00	SI PV 4	Silicification, Pervasive, Strong								
		298.00 - 309.00	BIO IG 2	Biotitization, Intergranular, Weak								
		309.00 - 315.00	SI PV 3	Silicification, Pervasive, Moderate								
		309.00 - 315.00	BIO IG 2	Biotitization, Intergranular, Weak								
		309.00 - 315.00	CB FRC 3	Carbonatization, Along Fractures, Moderate								
		309.00 - 315.00	SR PV 4	Sericitization, Pervasive, Strong								
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
		310.00 - 315.00	S FAC	Fractured								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
		287.70 - 297.00	EU	Euhedral								
		287.70 - 297.00	MG	Medium Grained(1-5mm)								
		287.70 - 297.00	PH	Phaneritic								
		297.00 - 309.00	FG	Fine Grained (<1mm)								

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	297.00 - 309.00	AP	Aphanitic									
	309.00 - 315.00	MG	Medium Grained(1-5mm)									
	309.00 - 315.00	NET	Net Textured									
	<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
	287.70 - 315.00	STG 2 35	CHLV Chlorite Veining, 35%									
	287.70 - 315.00	STG 2 40	CV Calcite Vein, 40%									
	287.70 - 315.00	STG 2 25	QV Quartz Vein, 25%									

## QUALITY CONTROL REPORT

Hole Number **CL12-00032**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	
408769	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408782	STANDARD		OREAS 504	AccurAssay	-	-	1.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408794	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408807	STANDARD		OREAS 204	AccurAssay	-	-	1.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408819	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408832	STANDARD		OREAS 206	AccurAssay	-	-	2.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



## DRILL HOLE REPORT

Hole Number: **CL12-00033**

Project: **COTE GOLD**

Project Number: **001**

<b>Drilling</b>	<b>Casing</b>	<b>Core</b>	<b>Location</b>	<b>Other</b>
<b>Azimuth:</b> 328	<b>Length:</b> 0	<b>Dimension:</b> BQTW	<b>Claim No.:</b> 473743	<b>Company:</b> TRELAWNEY
<b>Dip:</b> -46	<b>Pulled:</b> No	<b>Diam Chang:</b> no	<b>NTS:</b>	<b>Contractor:</b> Chenier
<b>Length:</b> 339	<b>Capped:</b> No	<b>Storage:</b> Klondike Lodge	<b>Hole:</b> SURFACE	<b>Spotted by:</b>
<b>Started:</b> 19-Jun-12	<b>Cemented:</b> No	<b>Hole Type:</b> DDH	<b>Section:</b> 9900E	<b>Surveyed:</b> OLS S
<b>Completed:</b> 23-Jun-12	<b>Left in hole:</b> no	<b>Logged by:</b> Martin Laforest	<b>Zone:</b> 17	<b>Surveyed by:</b> Larry Labelle
<b>Logged:</b> 26-Jun-12	<b>Making water:</b> No	<b>Relog by:</b>	<b>NAD:</b> NAD83	<b>Multi shot su</b> No
<b>Township:</b> CHESTER	<b>Plugged:</b> No			
<b>Target:</b>				
<b>Comment:</b>			<b>Coordinate - Gemcom</b>	<b>Coordinate - UTM</b>
			<b>East:</b> 432127	<b>East:</b> 432127
			<b>North:</b> 5264005	<b>North:</b> 5264005
			<b>Elev.:</b> 384	<b>Elev.:</b> 384
			<b>Coordinate - Local</b>	<b>East:</b> 9900
				<b>North:</b> 6300
				<b>Elev.:</b> 384

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	328.00	-46.00	0	0	0	0	C	<input type="checkbox"/>	
12.00	327.90	-46.00	0	0	0	56400	Flexit	<input checked="" type="checkbox"/>	
50.00	327.60	-45.20	0	0	0	56100	Flexit	<input checked="" type="checkbox"/>	
102.00	331.30	-43.60	0	0	0	55890	Flexit	<input checked="" type="checkbox"/>	
150.00	332.90	-41.40	0	0	0	55860	Flexit	<input checked="" type="checkbox"/>	
200.00	333.60	-40.60	0	0	0	55660	Flexit	<input checked="" type="checkbox"/>	
250.00	334.10	-39.30	0	0	0	55920	Flexit	<input checked="" type="checkbox"/>	
300.00	342.60	-34.90	0	0	0	55740	Flexit	<input checked="" type="checkbox"/>	
339.00	344.70	-33.50	0	0	0	55910	Flexit	<input checked="" type="checkbox"/>	

**LITHOLOGY REPORT**  
- Detailed -

Hole Number **CL12-00033**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
0.00	2.80	<b>OB Overburden</b>										
2.80	20.10	<b>IIMM Magma-mixing Breccia</b>	GRBLK	408836	2.80	4.00	1.20	<0	-	<0.01	-	-
Magma mixing between a medium grained diorite and a coarse grained tonalite. The diorite shows signs of porphyritic texturing with feldspar phenocryst sized at 1 to 2mm. Contacts between fragments are sharp. Trace pyrite localized along stringers throughout. Intermittent quartz-carbonate veinlets are common throughout. Carbonates within veinlets are sometimes hematized. Biotite and chlorite occur interstitially throughout tonalite fragments. Hematite alteration is localized along veinlets and pervades to alter the surrounding feldspars. Dip of lower contact is impossible to identify due to fractured section.				408837	4.00	5.00	1.00	0	-	0.01	-	-
				408838	5.00	6.00	1.00	<0	-	<0.01	-	-
				408839	6.00	7.00	1.00	<0	-	<0.01	-	-
				408840	7.00	8.00	1.00	<0	-	<0.01	-	-
<b>Alteration Maj: Type/Style/Intensity Comment</b>				408841	8.00	9.00	1.00	<0	-	<0.01	-	-
2.80 - 20.10 CB FRC 2 Carbonatization, Along Fractures, Weak				408842	9.00	10.00	1.00	<0	-	<0.01	-	-
2.80 - 20.10 HM FRC 3 Hematization, Along Fractures, Moderate				408843	10.00	11.00	1.00	<0	-	<0.01	-	-
2.80 - 20.10 AB AFG 2 Albitization, Alteration of feldspar grains, Weak				408845	11.00	12.00	1.00	0	-	0.01	-	-
2.80 - 20.10 CL PV 3 Chloritization, Pervasive, Moderate				408846	12.00	13.00	1.00	0	-	0.01	-	-
				408847	13.00	14.00	1.00	0	-	0.01	-	-
<b>Mineralization Maj. : Type/Style/%Mineral Comment</b>				408848	14.00	15.00	1.00	0	-	0.01	-	-
2.80 - 20.10 Py FAC 0.3 Pyrite, Fracture-controlled, 0.3%				408849	15.00	16.00	1.00	0	-	0.01	-	-
<b>Structure Maj.: Inte/Type/Core Angle Comment</b>				408850	16.00	17.00	1.00	0	-	0.01	-	-
2.80 - 20.10 S BX Brecciated				408851	17.00	18.00	1.00	0	-	0.02	-	-
<b>Texture Maj: Type Comment</b>				408852	18.00	19.00	1.00	0	-	0.03	-	-
2.80 - 20.10 EU Euhedral				408853	19.00	20.00	1.00	<0	-	<0.01	-	-
20.10	34.40	<b>IIDR Diorite</b>	GY	408854	20.00	21.00	1.00	0	-	0.01	0.01	-
Coarse grained diorite with strong intergranular biotite/chlorite. Feldspars are albitized and weakly hematite altered. Hematite alteration sometimes occurs along veinlets and stringer and prevades to												

## LITHOLOGY REPORT - Detailed -

Hole Number **CL12-00033**

Project: **COTE GOLD**

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
		altere the surrounding feldspars in moderate to strong form. Phaneritic texture throughout with euhedral crystal outlines. Lower contact dips at 15 degrees to core axis.											
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>									
		20.10 - 34.40	CL IG 3	Chloritization, Intergranular, Moderate									
		20.10 - 34.40	HM FRC 3	Hematization, Along Fractures, Moderate									
		20.10 - 34.40	BIO IG 3	Biotitization, Intergranular, Moderate									
		20.10 - 34.40	AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>									
		20.10 - 34.40	EQ	Equigranular									
		20.10 - 34.40	CG	Coarse Grained (>5mm)									
		20.10 - 34.40	EU	Euhedral									
		20.10 - 34.40	PH	Phaneritic									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>									
		20.10 - 34.40	STG 0.5 100	QCV Quartz-Calcite Vein, 100%									
34.40	212.40	<b>IIMM Magma-mixing Breccia</b>		GRBLK	408866	121.70	122.50	0.80	<0	-	<0.01	-	-
		Fine grain to aphanitic texture througohout unit - depending on the fragment type. The fragments volley from a fine grain aphanitic diorite with intensly hematite altered carbonate stringers. The tonalite fragments(clasts) are coarse grained with albitized plagioclase and intergranular chlorite. This unit has a very weak occurrence of magnetite throughout the diorite sections. Tonlite clasts (dykes) near upper contact up to the 48m mark. Weak prophyritic texture in selective sections of this diabase with clusters of small feldspar grains at 1 to 2mm in width. Interstitial biotite is common in a selectively pervassive form. Quartz and tonalite stringer and veinelts occur sporadically throguout dioritic sections. Up to 93m the fragments range from 0.5m to 15m in apparent width. Below 93m we find smaller diorite clasts within the pervasively hematized tonalite indicating autobrecciation with the interuding tonalite. Intermittent quartz-calcite veinelts with localized tourmaline. Interstitial epidote along tonaltie/diorite contact at 98.5m with interstitial epidote between 98.5m and 99.3m. Very fin trace of pyrite occurs along a veinelt at 141.5m. Intermittent mafic dykes are more common as we progress deeper towards lower contact. Lower contact dipping at 20 degrees to core axis.											
					408867	122.50	123.40	0.90	<0	-	<0.01	-	-
					408868	123.40	124.60	1.20	<0	-	<0.01	-	-
					408870	124.60	125.80	1.20	<0	-	<0.01	-	-
					408871	125.80	126.60	0.80	0	-	0.01	-	-
					408855	135.00	136.00	1.00	0	-	0.01	-	-
					408856	136.00	137.00	1.00	0	-	0.01	-	-
					408858	137.00	138.00	1.00	<0	-	<0.01	-	-
					408859	138.00	139.00	1.00	0	-	0.01	-	-
					408860	139.00	140.00	1.00	<0	-	<0.01	-	-
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>									

## LITHOLOGY REPORT - Detailed -

Hole Number **CL12-00033**

Project: **COTE GOLD**

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
34.40 - 90.00		HM PV 3	Hematization, Selectively Pervasive, Moderate	408861	140.00	141.00	1.00	0	-	0.01	-	-
34.40 - 90.00		CB FRC 3	Carbonatization, Along Fractures, Moderate	408862	141.00	142.00	1.00	0	-	0.01	-	-
34.40 - 90.00		CL PV 2	Chloritization, Pervasive, Weak	408863	142.00	143.00	1.00	<0	-	<0.01	-	-
34.40 - 90.00		HM MTV 4	Hematization, Marginal to veins, Strong	408864	143.00	144.00	1.00	<0	-	<0.01	0.01	-
90.00 - 98.00		HM PV 3	Hematization, Pervasive, Moderate	408865	144.00	145.00	1.00	<0	-	<0.01	-	-
90.00 - 98.00		BIO PV 3	Biotitization, Pervasive, Moderate									
90.00 - 98.00		CL FRC 2	Chloritization, Along Fractures, Weak									
90.00 - 98.00		AB AFG 3	Albitization, Alteration of feldspar grains, Moderate									
98.00 - 101.00		BIO PV 3	Biotitization, Pervasive, Moderate									
98.00 - 101.00		CL PV 4	Chloritization, Pervasive, Strong									
98.00 - 101.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
98.00 - 101.00		EP IS 4	Epidotization, Interstitial, Strong									
101.00 - 125.80		CL PV 3	Chloritization, Pervasive, Moderate									
101.00 - 125.80		AB AFG 4	Albitization, Alteration of feldspar grains, Strong									
101.00 - 125.80		CB FRC 2	Carbonatization, Along Fractures, Weak									
101.00 - 125.80		BIO PV 2	Biotitization, Pervasive, Weak									
125.80 - 179.00		AB AFG 2	Albitization, Alteration of feldspar grains, Weak									
125.80 - 179.00		CL PV 2	Chloritization, Pervasive, Weak									
125.80 - 179.00		CB FRC 2	Carbonatization, Along Fractures, Weak									
125.80 - 179.00		BIO IG 3	Biotitization, Intergranular, Moderate									
179.00 - 212.40		AB AFG 4	Albitization, Alteration of feldspar grains, Strong									
179.00 - 212.40		BIO SPT 2	Biotitization, Spotty/Patchy, Weak									
179.00 - 212.40		CL SPT 2	Chloritization, Spotty/Patchy, Weak									
179.00 - 212.40		HM MTV 3	Hematization, Marginal to veins, Moderate									
<b>Mineralization Maj. :</b>		<b>Type/Style/%Mineral</b>	<b>Comment</b>									
144.00 - 145.00		Bi FRC 0.00%	Biite, Fracture controlled, 0.00%									

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<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
	160.00 - 210.00	Py DIS 0.05	Pyrite, Disseminated, 0.05%									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	34.40 - 64.40	MS BX	Brecciated									
	64.40 - 64.50	S FLTD	Faulted									
	64.50 - 123.40	MS BX	Brecciated									
	123.40 - 125.80	S DYK	Dyke									
	125.80 - 171.00	M BX	Brecciated (Magma mixing)									
	171.00 - 173.90	S DYK	Dyke									
	176.00 - 178.70	S DYK	Dyke									
	181.00 - 192.00	W FOL	Foliated									
	192.00 - 212.40	M BX	Brecciated )magma mixing)									
		<b>Texture Maj.:</b>	<b>Type</b>	<b>Comment</b>								
	34.40 - 147.00	SB	Subhedral									
	34.40 - 147.00	CG	Coarse Grained (>5mm) Tonalite									
	34.40 - 147.00	FG	Fine Grained (<1mm)									
	34.40 - 147.00	AP	Aphanitic Diorite									
	147.00 - 170.80	SB	Subhedral									
	147.00 - 170.80	CG	Coarse Grained (>5mm) Tonalite									
	147.00 - 170.80	AP	Aphanitic diorite									
	147.00 - 170.80	PO	Porphyritic (Mildly) diorite									
	170.80 - 212.40	AP	Aphanitic diorite									
	170.80 - 212.40	SB	Subhedral									
	170.80 - 212.40	CG	Coarse Grained (>5mm) Tonalite									
	170.80 - 212.40	FG	Fine Grained (<1mm) Diorite									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	34.40 - 160.00	STWV 10 30	FV Felsic Vein, 30% Tonalite									
	34.40 - 160.00	STWV 10 15	HMV Hematite Vein, 15%									
	34.40 - 160.00	STWV 10 5	QTV Quartz-Tourmaline Vein, 5%									
	34.40 - 160.00	STWV 10 30	QV Quartz Vein, 30%									
	34.40 - 160.00	STWV 10 20	CV Calcite Vein, 20%									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	160.00 - 212.40	STG 20 30 FV	Felsic Vein, 30%									
	160.00 - 212.40	STG 20 10 HMV	Hematite Vein, 10%									
	160.00 - 212.40	STG 20 25 QCHLV	Quartz-Chlorite Vein, 25%									
	160.00 - 212.40	STG 20 35 CV	Calcite Vein, 35%									
<b>Minor Interval:</b>												
123.40	125.80	IM <i>Mafic Intrusive</i>										
		Mafic dyke with Aphanitic to fine grained texture. Interstitial epidote is common. The unit is mildly silicified with trace pyrite near upper and lower contacts. The pyrite specks are fine and disseminated near contacts. Weak foliation near lower contact with occurrence of quartz-calcite stringers along weak planes.										
		<b>Alteration Min:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
		123.40 - 125.80	SR IS 2	Sericitization, Interstitial, Weak								
		123.40 - 125.80	SI PV 3	Silicification, Pervasive, Moderate								
		123.40 - 125.80	CL PV 3	Chloritization, Pervasive, Moderate								
		<b>Mineralization Min:</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
		123.40 - 125.80	Py DIS 0.3	Pyrite, Disseminated, 0.3%								
		<b>Structure Min.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
		123.40 - 125.80	S DYK	Dyke								
		<b>Texture Min:</b>	<b>Type</b>	<b>Comment</b>								
		123.40 - 125.80	FG	Fine Grained (<1mm)								
		123.40 - 125.80	AP	Aphanitic								
		<b>Vein Min. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
		123.40 - 125.80	FPV 1 100 QCV	Quartz-Calcite Vein, 100%								
212.40	230.40	<b>IMDIA Diabase</b>		BLK								
		Fine grained diabase with sporadically dispersed epidote altered feldspars. Feldspar phenocrysts range in size from 1cm to 2cm in width. Texture changes from fine grained to aphanitic beyond 222.7m. Euhedral texture throughout fine grained feldspar and magnetite section. Lower contact dipping at 25 degrees to core axis. Quartz -carbonate veinlets and filled fractures occur between. Chlorite filled fractures are also common and associated with quartz-carbonate stockwork.										
		<b>Alteration Maj:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								

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Hole Number **CL12-00033**

Project: **COTE GOLD**

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	212.40 - 230.40	EP AFG 4	Epidotization, Alteration of feldspar grains, Strong									
	212.40 - 230.40	BIO IG 4	Biotitization, Intergranular, Strong									
	212.40 - 230.40	MAG PV 3	Magnetite, Pervasive, Moderate									
		<b>Structure Maj.:</b>	<b>Inte/Type/Core Angle</b>	<b>Comment</b>								
	212.40 - 230.40	S DYK	Dyke									
		<b>Texture Maj.:</b>	<b>Type</b>	<b>Comment</b>								
	212.40 - 230.40	AP	Aphanitic near lower contact									
	212.40 - 230.40	EU	Euhedral									
	212.40 - 230.40	FG	Fine Grained (<1mm)									
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	212.40 - 230.40	STG 2 30	CHLV Chlorite Veining, 30%									
	212.40 - 230.40	STG 2 70	QV Quartz Vein, 70%									
230.40	339.00	<b>IIMM Magma-mixing Breccia</b>										
		<p>Medium to coarse grained quartz-diorite with euhedral texturing and sporadic blue-quartz eye in patchy sections throughout is the main unit. This unit is either cross cut by tonalite dykes or this is magmam mixing between both units, or a little of both. The tonalite seem moderately albitized feldspar grains or weakly hematized stringers with pervading margins. Darker and rounded mafic clots occur sporadically throughout diorite. Intermittent quartz veinets and stingers occur intermittently throughout unit. Sericite stringer at 252.9m with weak margins along fractures. Sporadic section with a weak porphyritic texture does occur. Tonalite/diorite ratio increases near EOH with autobrecciation - angular clasts within tonalite. Strong biotization closer to EOH.</p>										
		<b>Alteration Maj.:</b>	<b>Type/Style/Intensity</b>	<b>Comment</b>								
	230.40 - 264.00	SI MTV 2	Silicification, Marginal to veins, Weak									
	230.40 - 264.00	SR FRC 2	Sericitization, Along Fractures, Weak									
	230.40 - 264.00	AB AFG 4	Albitization, Alteration of feldspar grains, Strong, tonalite fragments									
	230.40 - 264.00	BIO IG 3	Biotitization, Intergranular, Moderate									
	264.00 - 314.50	HM AFG 2	Hematization, Alteration of feldspar grains, Weak									

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Hole Number **CL12-00033**

Project: **COTE GOLD**

Project Number: **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	264.00 - 314.50	SR FRC 1	Sericitization, Along Fractures, Very weak									
	264.00 - 314.50	AB AFG 3	Albitization, Alteration of feldspar grains, Moderate									
	264.00 - 314.50	BIO IG 3	Biotitization, Intergranular, Moderate									
	314.50 - 339.00	SI MTV 3	Silicification, Marginal to veins, Moderate									
	314.50 - 339.00	BIO IG 4	Biotitization, Intergranular, Strong									
	314.50 - 339.00	AB AFG 3	Albitization, Alteration of feldspar grains, Moderate									
		<b>Mineralization Maj. :</b>	<b>Type/Style/%Mineral</b>	<b>Comment</b>								
	230.40 - 339.00		Py	Pyrite, nil								
	230.40 - 339.00		Py 0.001	Pyrite, 0.001%								
		<b>Texture Maj:</b>	<b>Type</b>	<b>Comment</b>								
	230.40 - 339.00		PH	Phaneritic								
	230.40 - 339.00		EU	Euhedral								
	230.40 - 339.00		CG	Coarse Grained (>5mm)								
	230.40 - 339.00		MG	Medium Grained(1-5mm)								
		<b>Vein Maj. :</b>	<b>Style/%vein/CoreA/%min/min</b>	<b>Comment</b>								
	230.40 - 314.50		STG 30 70 FV	Felsic Vein, 70%								
	230.40 - 314.50		STG 30 10 EV	Epidote Veining, 10%								
	230.40 - 314.50		STG 30 20 QV	Quartz Vein, 20%								
	314.50 - 339.00		STG 5 5 CHLV	Chlorite Veining, 5%								
	314.50 - 339.00		STG 5 95 QV	Quartz Vein, 95%								



## QUALITY CONTROL REPORT

Hole Number **CL12-00033**

Project: **COTE GOLD**

Project Number: **001**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	
408844	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408857	STANDARD		OREAS 501	AccurAssay	-	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408869	BLKDIA			AccurAssay	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## Appendix B: Assay Certificates of Analysis

Wednesday, November 20, 2013

## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/13/2013  
 Job #: 201310890  
 Reference: CL sample series  
 Sample #: 7

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
98939	CL1166001	0.129	<1	7.67	13	828	<2	16	0.99	<4	11	230	14	2.30	<0.01	<1	0.79	192	21	33	401	24	<5	12	10	203	1412	<2	37	<10	8	54
98940	CL1166002	<0.005	<1	6.31	20	391	<2	15	2.19	<4	9	205	26	1.56	<0.01	<1	0.38	265	8	28	349	16	5	12	10	281	1522	<2	28	<10	9	45
98941	CL1166003	<0.005	<1	5.75	17	518	<2	16	2.73	<4	7	194	14	1.53	<0.01	<1	0.38	207	12	21	340	20	6	26	<10	252	1490	<2	28	<10	10	33
98942	CL1166004	0.007	<1	5.27	15	257	<2	19	1.49	<4	10	256	64	1.65	<0.01	<1	0.47	200	10	35	357	16	<5	11	<10	245	1457	<2	31	<10	8	47
98943	CL1166005	<0.005	<1	1.61	14	262	<2	19	1.67	<4	9	201	54	1.73	<0.01	<1	0.38	240	10	26	310	22	<5	14	<10	228	1478	<2	29	<10	7	35
98944	CL1166006	0.034	<1	2.22	20	357	<2	16	1.83	<4	8	183	76	1.94	<0.01	<1	0.43	185	9	28	331	20	<5	28	<10	229	1424	<2	33	<10	7	33
98945	CL1166007	<0.005	<1	2.08	13	343	<2	22	1.63	<4	7	158	13	1.88	<0.01	<1	0.34	199	10	40	317	20	<5	26	<10	241	1496	<2	31	<10	7	32
98946D	CL1166007	<0.005	<1	1.78	12	352	<2	16	1.65	<4	8	171	12	1.93	<0.01	<1	0.33	202	10	43	316	24	<5	6	<10	241	1512	<2	32	<10	7	34

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By: \_\_\_\_\_  
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Wednesday, November 20, 2013

## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/13/2013  
 Job #: 201310891  
 Reference: CL sample series  
 Sample #: 13

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
98947	CL205221	0.010	<1	8.57	16	259	<2	22	5.05	<4	37	614	48	5.58	0.59	<1	3.67	925	7	152	435	23	7	27	<10	258	3058	<2	128	<10	17	78
98949	CL205222	0.010	<1	8.12	23	271	<2	22	6.11	<4	47	446	118	7.23	<0.01	<1	4.12	1278	<1	143	431	25	6	17	14	204	4113	12	194	<10	16	102
98950	CL205223	0.011	<1	5.73	15	714	<2	18	2.82	<4	13	138	27	2.39	<0.01	<1	0.72	498	10	32	553	24	<5	7	<10	213	2468	<2	55	<10	10	44
98951	CL205224	0.005	<1	3.78	15	754	<2	21	2.31	<4	8	87	11	1.37	<0.01	<1	0.29	345	9	27	457	21	<5	20	<10	262	1994	<2	45	<10	8	28
98952	CL205225	<0.005	<1	6.44	10	589	2	21	4.78	<4	14	73	9	3.05	<0.01	<1	0.93	773	5	22	703	16	<5	9	13	303	2465	<2	63	<10	16	49
98953	CL205226	2.199	<1	2.04	778	468	<2	26	5.18	<4	47	207	97	8.91	0.25	<1	2.59	1912	<1	129	1512	37	<5	<5	<10	438	7646	<2	146	<10	13	106
98954	CL205227	<0.005	<1	3.43	22	537	<2	18	2.73	<4	11	154	15	2.28	0.09	<1	0.55	385	7	24	302	25	<5	29	<10	234	1506	<2	45	<10	9	50
98955	CL205228	<0.005	<1	4.36	17	459	<2	29	2.46	<4	10	153	7	2.39	<0.01	<1	0.58	384	8	26	276	21	<5	28	<10	240	1807	<2	43	<10	12	41
98956	CL205229	0.010	<1	4.66	10	426	<2	21	2.69	<4	10	169	10	2.46	<0.01	<1	0.55	334	9	25	296	29	<5	5	<10	247	1692	<2	43	<10	11	41
98957	CL205230	<0.005	<1	7.21	19	431	<2	21	2.92	<4	12	170	10	2.80	0.04	<1	0.69	350	9	35	327	28	<5	8	<10	259	1752	<2	46	<10	15	52
98958D	CL205230	<0.005	<1	4.28	15	430	<2	19	2.76	<4	11	154	10	2.75	<0.01	<1	0.58	343	8	34	283	24	<5	22	12	254	1669	<2	45	<10	11	53
98959	CL205231	0.008	<1	2.00	13	386	<2	14	2.62	<4	11	169	8	2.79	0.13	<1	0.56	376	9	33	323	30	<5	17	<10	239	1744	<2	47	<10	9	47
98960	CL205232	<0.005	<1	4.28	13	404	<2	19	2.47	<4	10	84	6	2.44	<0.01	<1	0.54	345	4	25	295	23	6	22	<10	215	1641	<2	43	<10	11	40
98961	CL205233	<0.005	<1	4.94	15	300	<2	17	2.26	<4	12	73	14	2.55	0.04	<1	0.59	349	2	29	325	23	<5	13	<10	231	1831	<2	48	<10	11	44

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By: \_\_\_\_\_ The results included on this report relate only to the items tested.  
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Wednesday, November 20, 2013

## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/14/2013  
 Job #: 201310893  
 Reference: CL sample series  
 Sample #: 15

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
98998	CL242016	0.006	<1	2.98	11	386	<2	16	2.06	<4	9	103	7	1.99	<0.01	<1	0.27	280	9	68	310	22	11	14	<10	295	1754	<2	31	<10	8	48
98999	CL242017	<0.005	<1	3.63	11	316	<2	19	2.05	<4	8	69	23	1.94	<0.01	<1	0.28	285	6	54	302	21	<5	9	<10	289	1759	<2	29	<10	9	52
99000	CL242018	<0.005	<1	5.55	17	360	<2	11	2.23	<4	8	89	15	1.95	<0.01	<1	0.34	304	8	80	297	19	<5	21	<10	289	1684	<2	29	13	10	51
99001	CL242019	<0.005	<1	9.90	17	436	<2	23	2.87	<4	8	112	14	2.14	<0.01	<1	0.46	298	9	64	369	33	<5	28	<10	330	1916	<2	32	11	12	62
99002	CL242020	0.136	<1	5.75	21	308	<2	30	2.19	<4	8	82	231	2.05	0.34	64	0.37	271	7	53	274	51	<5	11	<10	281	1828	<2	30	<10	10	129
99003	CL242021	0.005	<1	10.00	23	452	2	16	2.63	<4	9	87	36	2.08	<0.01	<1	0.41	281	8	66	348	24	<5	39	<10	313	1902	<2	30	<10	14	55
99004	CL242022	<0.005	<1	8.90	18	284	<2	19	2.33	<4	8	72	11	1.99	0.55	66	0.41	285	6	64	312	22	5	34	13	290	1848	<2	29	15	13	67
99005	CL242023	0.005	<1	6.11	13	474	<2	17	1.98	<4	6	90	35	1.86	<0.01	<1	0.30	249	8	55	214	30	<5	19	<10	233	1646	<2	21	<10	17	52
99006	CL242024	<0.005	<1	1.41	13	447	<2	15	2.08	<4	9	101	32	2.13	<0.01	<1	0.26	278	10	71	229	41	<5	23	<10	290	1741	<2	29	<10	7	82
99007	CL242025	0.036	<1	2.22	18	490	<2	15	2.09	<4	8	81	116	1.95	0.09	<1	0.28	253	8	57	262	25	<5	29	<10	238	1734	<2	30	10	7	52
99008D	CL242025	0.057	<1	2.37	21	453	<2	16	1.90	<4	8	78	116	1.93	<0.01	<1	0.28	250	8	64	276	25	6	25	<10	231	1738	<2	31	<10	7	42
99009	CL242026	1.007	<1	7.11	581	435	<2	21	5.16	<4	43	183	75	8.48	<0.01	<1	2.97	2154	<1	118	1694	21	<5	10	<10	443	7545	<2	142	<10	18	109
99010	CL242027	<0.005	<1	1.85	23	439	<2	18	1.32	<4	8	90	23	1.92	0.26	<1	0.26	250	9	64	327	24	5	16	<10	242	1685	<2	28	<10	7	34
99011	CL242028	0.009	1	3.72	11	617	<2	15	1.06	<4	3	86	70	0.69	<0.01	<1	0.09	<100	6	43	165	22	<5	26	<10	154	879	<2	12	<10	9	21
99012	CL242029	0.025	<1	>10.00	23	606	2	16	2.23	<4	5	103	162	0.93	0.14	<1	0.20	112	10	76	185	24	<5	45	<10	180	1004	<2	13	10	15	44
99013	CL242030	<0.005	<1	>10.00	23	651	2	22	1.89	<4	3	101	50	1.17	0.25	<1	0.20	153	9	50	213	20	<5	35	<10	201	1176	<2	14	<10	18	31

PROCEDURE CODES: ALP2, ALFA1, ALMA1

Certified By:

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Wednesday, November 20, 2013

### Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/13/2013  
 Job #: 201310894  
 Reference: CL sample series  
 Sample #: 18

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99014	CL205327	<0.005	<1	>10.00	12	422	2	20	3.84	<4	21	139	23	3.98	0.32	<1	1.31	806	13	97	378	32	<5	20	<10	448	2918	<2	76	11	16	88
99015	CL205328	<0.005	<1	>10.00	25	536	2	17	3.65	<4	15	119	56	3.33	0.14	<1	1.08	637	9	71	457	22	<5	43	<10	383	2764	<2	63	<10	13	56
99016	CL205329	<0.005	<1	4.21	26	373	<2	19	1.73	<4	9	117	34	2.20	0.69	65	0.45	367	13	104	255	25	<5	21	12	234	2034	<2	33	17	9	43
99017	CL205330	<0.005	<1	4.44	22	382	<2	21	1.58	<4	9	87	22	2.12	0.18	61	0.37	339	8	68	227	29	9	36	<10	221	1846	<2	28	<10	11	42
99018	CL205331	<0.005	<1	0.44	16	340	<2	25	1.49	<4	8	101	33	2.04	0.71	55	0.33	323	11	58	198	26	<5	15	<10	225	1770	<2	31	<10	13	45
99019	CL205332	<0.005	<1	<0.01	21	302	<2	21	1.26	<4	8	124	24	1.79	0.70	49	0.19	245	11	70	214	19	6	6	<10	212	1567	<2	25	<10	9	53
99020	CL205333	<0.005	<1	1.14	5	334	<2	17	1.00	<4	5	88	22	1.60	0.17	48	0.21	219	8	64	206	23	<5	34	<10	180	1424	<2	21	<10	8	38
99021	CL205334	0.005	<1	4.80	20	382	<2	26	1.53	<4	6	103	13	1.77	0.09	29	0.24	240	10	70	244	20	<5	12	<10	188	1521	<2	23	<10	14	30
99022	CL205335	<0.005	<1	4.95	18	340	<2	22	1.19	<4	5	66	12	1.61	<0.01	36	0.28	170	8	54	246	25	6	27	10	166	1395	<2	21	<10	13	33
99023	CL205336	<0.005	<1	4.39	14	299	<2	19	0.98	<4	5	56	10	1.39	<0.01	25	0.22	174	5	52	232	19	<5	15	<10	183	1268	<2	17	<10	10	32
99024D	CL205336	<0.005	<1	4.47	22	439	2	29	1.84	<4	4	74	12	1.71	0.40	44	0.36	207	9	60	294	21	<5	32	<10	222	1549	<2	20	<10	19	37
99025	CL205337	<0.005	<1	9.82	24	355	2	20	1.71	<4	5	79	21	1.52	0.58	43	0.29	178	10	61	248	22	<5	40	10	233	1404	<2	18	11	19	35
99026	CL205338	<0.005	<1	>10.00	30	575	4	23	4.67	<4	29	73	28	5.73	1.54	59	1.58	895	11	110	1676	32	8	34	<10	609	6670	<2	137	<10	41	120
99027	CL205339	<0.005	<1	>10.00	29	451	<2	26	2.17	<4	6	76	11	1.73	0.90	42	0.39	226	10	59	338	21	<5	51	<10	226	1664	<2	23	<10	18	40
99028	CL205340	<0.005	<1	9.78	24	377	2	22	2.25	<4	7	58	28	1.74	0.29	44	0.42	280	5	28	328	28	<5	32	<10	245	1766	<2	26	<10	10	55
99029	CL205341	<0.005	<1	5.96	19	439	<2	22	2.14	<4	10	71	36	2.31	0.36	42	0.47	353	2	34	273	16	<5	21	11	221	2019	<2	34	<10	9	62
99030	CL205342	<0.005	<1	2.84	16	362	<2	17	2.12	<4	7	72	12	1.85	0.61	37	0.29	285	6	43	236	21	<5	17	<10	232	1672	<2	28	<10	7	67
99031	CL205343	<0.005	1	<0.01	18	294	<2	20	1.01	<4	5	64	37	0.87	1.60	20	0.11	152	2	24	115	22	<5	14	<10	159	978	<2	14	<10	5	96
99032	CL205344	<0.005	<1	1.83	16	307	<2	21	1.49	<4	6	67	18	1.38	0.03	39	0.20	220	5	27	223	24	<5	18	<10	214	1421	<2	22	<10	6	55

PROCEDURE CODES: ALP2, ALFA1, ALMA1

Certified By:

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Wednesday, November 20, 2013

## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/14/2013  
 Job #: 201310895  
 Reference: CL sample series  
 Sample #: 43

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99033	CL1413938	<0.005	<1	4.50	18	219	<2	19	0.50	<4	9	87	6	1.84	0.09	37	1.06	188	2	32	369	18	<5	33	<10	182	1555	<2	35	<10	9	46
99034	CL1413939	<0.005	<1	4.43	10	309	<2	15	0.52	<4	8	70	10	1.49	<0.01	24	0.65	141	7	31	307	14	<5	7	<10	201	1330	<2	26	<10	7	28
99035	CL1413940	0.091	<1	3.97	26	283	<2	21	0.34	<4	7	44	7	1.52	<0.01	36	0.75	148	3	38	312	24	<5	23	<10	176	1343	<2	26	<10	6	32
99036	CL1413941	1.854	<1	>10.00	12	450	2	20	0.91	<4	9	55	6	2.10	0.82	60	1.49	184	453	36	409	26	<5	30	10	193	1531	<2	33	<10	10	40
99037	CL1413942	<0.005	<1	>10.00	23	343	2	25	1.24	<4	9	70	8	1.82	1.07	50	1.24	177	16	45	437	18	<5	41	<10	257	1723	<2	36	<10	12	42
99038	CL1413943	<0.005	<1	>10.00	19	172	2	22	1.16	<4	16	142	6	4.17	0.66	78	3.68	414	5	77	835	26	9	44	11	160	1969	<2	71	11	20	87
99039	CL1413944	0.007	<1	>10.00	16	142	2	27	1.27	<4	35	451	5	6.64	0.67	87	5.57	727	<1	126	1154	25	9	29	11	144	2948	11	137	<10	14	175
99040	CL1413945	0.005	<1	>10.00	27	124	2	27	1.16	<4	32	419	5	6.15	0.84	85	5.36	669	<1	123	1000	27	<5	28	14	136	2799	<2	141	<10	14	167
99041	CL1413946	0.030	<1	5.00	19	119	3	28	0.99	<4	29	425	5	5.93	0.86	72	4.79	646	<1	117	809	16	<5	23	<10	136	2670	<2	140	<10	10	159
99042	CL1413947	2.615	<1	7.39	24	64	<2	27	0.98	<4	30	438	8	5.84	0.41	52	4.28	659	32	117	945	26	<5	21	<10	143	3102	<2	141	<10	17	306
99043D	CL1413947	2.260	<1	8.82	19	84	2	19	0.94	<4	23	309	5	4.40	0.27	50	3.49	497	23	88	807	15	9	9	12	110	2363	<2	105	<10	16	230
99044	CL1413948	0.009	<1	>10.00	19	280	2	21	2.10	<4	12	67	15	1.89	0.64	44	1.21	184	2	32	687	23	<5	32	<10	300	1632	<2	40	10	16	419
99045	CL1413949	<0.005	<1	>10.00	27	325	3	33	5.90	<4	50	63	133	9.24	0.46	39	2.73	1405	<1	74	710	31	<5	9	<10	265	6880	<2	297	13	32	189
99046	CL1413950	<0.005	<1	>10.00	27	128	3	30	5.86	<4	29	415	18	5.72	0.06	79	4.45	948	<1	117	1033	24	<5	31	10	205	3491	<2	149	<10	16	181
99047	CL1413951	<0.005	<1	8.44	22	130	2	25	5.38	<4	34	404	14	5.36	<0.01	55	4.02	896	<1	113	967	27	<5	25	<10	235	3612	<2	150	<10	14	171
99048	CL1413952	0.006	<1	6.06	18	91	2	29	3.24	<4	33	357	15	5.62	<0.01	48	3.82	760	<1	103	939	24	<5	22	10	218	3438	<2	139	<10	14	154
99049	CL1413953	<0.005	<1	3.84	17	284	<2	22	1.10	<4	10	52	9	1.66	<0.01	35	0.83	162	3	25	278	29	5	34	<10	270	1393	<2	31	<10	8	164
99050	CL1413954	<0.005	<1	1.82	17	266	<2	20	1.10	<4	7	61	9	1.10	0.12	19	0.34	121	4	28	206	26	<5	20	<10	255	1151	<2	22	<10	6	49
99051	CL1413955	<0.005	<1	0.06	22	166	<2	17	0.84	<4	7	57	8	1.44	0.28	18	0.39	161	1	35	218	21	<5	6	<10	239	1363	<2	25	<10	5	66
99052	CL1413956	<0.005	<1	4.51	15	179	<2	18	0.73	<4	12	204	8	2.95	0.84	38	1.86	303	1	78	530	27	5	17	<10	180	1779	<2	41	<10	10	75

PROCEDURE CODES: ALP2, ALFA1, ALMA1

Certified By:

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Wednesday, November 20, 2013

## Final Certificate

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 Gogama, ON, CAN  
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 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/14/2013  
 Job #: 201310895  
 Reference: CL sample series  
 Sample #: 43

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99053	CL1413957	<0.005	<1	2.48	7	133	<2	19	0.43	<4	9	46	5	2.06	0.20	33	1.44	197	<1	33	346	25	<5	20	<10	158	1501	<2	31	<10	9	47
99054D	CL1413957	<0.005	<1	4.70	15	131	<2	23	0.49	<4	10	34	4	2.21	0.29	31	1.67	209	<1	33	339	17	<5	31	<10	160	1547	<2	30	<10	11	45
99055	CL1413958	0.006	<1	>10.00	16	157	2	20	0.43	<4	12	31	4	2.95	0.36	43	2.33	265	19	28	441	12	<5	26	<10	134	1848	<2	44	13	20	59
99056	CL1413959	0.006	<1	>10.00	23	75	2	26	1.02	<4	23	36	4	5.14	0.78	60	3.43	502	<1	45	588	16	<5	15	<10	156	3561	<2	82	<10	24	92
99057	CL1413960	<0.005	<1	>10.00	15	157	3	23	1.18	<4	21	26	5	4.39	2.05	42	2.47	454	<1	42	522	21	<5	37	<10	198	2767	<2	61	<10	17	80
99058	CL1413961	<0.005	<1	>10.00	16	121	3	23	1.24	<4	25	59	5	5.61	0.94	64	3.73	604	<1	66	435	19	<5	26	<10	192	3271	<2	88	<10	21	103
99059	CL1413962	<0.005	<1	9.95	18	176	2	22	1.29	<4	16	41	5	3.66	<0.01	43	1.92	355	1	44	495	22	<5	27	<10	219	2589	<2	60	<10	22	73
99060	CL1413963	0.112	<1	9.93	49	119	<2	23	1.76	<4	13	17	3556	3.42	<0.01	23	1.91	288	68	14	650	23	5	27	10	211	1736	<2	260	<10	12	97
99061	CL1413964	<0.005	<1	7.51	16	13	2	25	0.89	<4	19	36	13	4.05	<0.01	24	1.88	415	<1	56	385	24	<5	18	10	154	2611	<2	64	11	26	74
99062	CL1413965	<0.005	<1	2.98	14	248	<2	18	1.09	<4	7	26	10	1.70	<0.01	4	0.44	158	<1	35	305	17	<5	26	<10	129	1491	<2	21	<10	18	32
99063	CL1413966	<0.005	<1	<0.01	17	537	<2	20	0.90	<4	11	43	21	2.18	0.20	<1	0.44	179	1	39	254	22	<5	16	<10	116	1424	<2	28	<10	15	33
99064	CL1413967	<0.005	<1	<0.01	17	443	<2	17	0.98	<4	7	37	55	1.43	1.04	<1	0.18	133	4	40	182	21	<5	23	<10	129	1160	<2	20	<10	8	21
99065D	CL1413967	<0.005	<1	0.12	19	515	<2	24	1.00	<4	6	33	55	1.43	<0.01	<1	0.20	137	4	41	240	29	<5	15	<10	135	1282	<2	20	<10	9	23
99066	CL1413968	0.008	<1	2.63	16	396	<2	13	0.68	<4	7	22	50	1.30	0.19	2	0.36	114	2	31	247	22	<5	<5	<10	140	1503	<2	20	<10	14	23
99067	CL1413969	<0.005	<1	>10.00	10	862	2	23	0.63	<4	9	45	12	1.94	0.37	15	1.02	139	5	51	377	13	<5	19	10	138	1687	<2	29	11	20	29
99068	CL1413970	<0.005	<1	>10.00	13	127	2	26	4.74	<4	31	391	9	6.30	<0.01	51	4.74	885	<1	117	1033	20	<5	19	<10	174	2899	<2	147	<10	15	142
99069	CL1413971	<0.005	<1	>10.00	20	152	3	32	5.50	<4	30	355	10	6.42	0.71	61	4.74	907	<1	114	1040	26	8	33	<10	176	2877	<2	145	<10	18	145
99070	CL1413972	<0.005	<1	>10.00	26	411	3	30	1.61	<4	13	36	26	1.84	1.30	27	1.11	196	4	37	366	33	<5	20	<10	202	1792	<2	30	<10	31	37
99071	CL1413973	<0.005	<1	>10.00	26	277	2	27	1.35	<4	9	31	15	1.69	0.24	25	0.82	154	4	42	361	25	<5	34	<10	216	1898	<2	22	<10	36	31
99072	CL1413974	<0.005	<1	8.32	27	326	2	24	1.66	<4	8	40	35	1.86	0.59	19	0.63	174	5	42	316	27	<5	26	<10	288	1680	<2	23	<10	33	31

PROCEDURE CODES: ALP2, ALFA1, ALMA1

Certified By:

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Wednesday, November 20, 2013

## Final Certificate

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 Date Received: 11/01/2013  
 Date Completed: 11/14/2013  
 Job #: 201310895  
 Reference: CL sample series  
 Sample #: 43

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99073	CL1413975	<0.005	<1	3.68	19	152	<2	17	0.77	<4	9	31	9	1.61	0.02	15	0.71	148	2	33	265	27	<5	23	11	214	1369	<2	23	<10	21	36
99074	CL1413976	<0.005	<1	2.32	19	148	<2	19	0.62	<4	7	35	8	1.48	0.27	8	0.57	144	5	47	250	29	<5	10	<10	212	1190	<2	20	<10	11	31
99075	CL1413977	<0.005	<1	0.97	12	115	<2	22	4.31	<4	46	34	117	8.04	0.39	16	1.88	1236	<1	74	552	29	6	23	<10	210	5767	<2	260	<10	17	116
99076D	CL1413977																IS															
99077	CL1413978	<0.005	<1	1.73	16	52	<2	18	0.24	<4	9	47	10	1.55	<0.01	1	0.68	162	<1	44	257	25	<5	5	<10	203	1154	<2	24	<10	7	34
99078	CL1413979	<0.005	<1	4.30	17	64	<2	26	0.72	<4	34	362	4	6.92	0.02	76	4.90	701	<1	105	891	25	7	24	<10	129	2859	<2	133	<10	11	136
99079	CL1413980	0.015	<1	9.42	18	70	2	25	0.72	<4	19	39	8	3.16	0.74	27	2.45	273	2	51	429	14	11	32	11	231	3133	<2	77	<10	19	54

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Tuesday, November 19, 2013


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 Date Received: 11/01/2013  
 Date Completed: 11/13/2013  
 Job #: 201310896  
 Reference: CL sample series  
 Sample #: 87

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99080	CL1413850	<0.005	<1	3.01	29	<1	2	1	0.97	8	30	132	13	7.10	<0.01	108	3.83	719	<1	56	2035	27	6	<5	<10	404	2785	<2	158	<10	11	95
99081	CL1413851	<0.005	<1	4.98	23	<1	2	2	0.83	5	29	275	9	5.40	<0.01	71	3.78	598	<1	70	1577	27	<5	<5	<10	337	3316	<2	139	<10	14	74
99082	CL1413852	0.084	4	4.60	11	437	2	2	0.43	<4	8	64	231	1.63	0.11	13	0.82	161	5	72	645	25	6	<10	297	1423	<2	33	<10	11	47	
99083	CL1413853	<0.005	<1	8.49	11	180	<2	3	1.34	6	25	336	26	5.87	0.05	54	3.57	656	3	103	993	24	6	9	<10	394	3144	<2	109	<10	15	77
99084	CL1413854	<0.005	3	7.02	20	1185	2	<1	0.59	<4	8	73	43	1.99	0.60	11	0.91	163	11	114	488	24	5	15	<10	338	1739	<2	37	<10	11	17
99085	CL1413855	<0.005	3	8.46	22	867	2	2	0.85	<4	12	71	25	1.91	0.34	13	0.86	166	10	104	556	24	<5	14	<10	334	1816	<2	38	<10	16	22
99086	CL1413856	<0.005	1	4.91	18	195	2	3	1.52	4	20	166	31	4.23	0.12	33	2.05	455	6	95	974	25	6	<5	<10	499	3234	<2	94	<10	17	52
99087	CL1413857	<0.005	4	3.40	17	620	3	2	<0.01	<4	5	68	10	1.10	<0.01	1	0.35	<100	8	92	248	23	5	11	<10	223	1374	<2	22	<10	15	13
99088	CL1413858	<0.005	3	3.97	11	583	2	2	0.10	<4	7	58	14	1.62	<0.01	11	0.72	139	7	80	840	22	6	16	<10	232	1399	<2	29	<10	14	19
99089	CL1413859	<0.005	3	2.76	28	467	2	6	<0.01	<4	7	69	9	1.89	<0.01	11	0.83	169	9	93	681	21	<5	8	<10	247	1452	<2	35	<10	14	20
99090D	CL1413859	<0.005	3	4.23	22	581	2	3	0.27	<4	9	77	9	2.09	<0.01	17	0.91	185	12	109	751	28	<5	13	<10	274	1578	<2	37	<10	15	22
99091	CL1413860	<0.005	<1	3.56	27	203	<2	2	4.28	10	55	52	160	9.66	0.04	15	2.17	1442	2	84	728	36	<5	17	<10	264	6571	4	296	<10	21	101
99092	CL1413861	0.011	3	4.76	22	265	<2	<1	0.05	<4	7	63	10	1.34	0.34	2	0.59	124	9	96	459	23	5	12	<10	215	1427	<2	33	<10	10	14
99093	CL1413862	<0.005	4	5.44	20	59	2	1	0.11	<4	8	45	9	1.14	0.33	4	0.57	108	7	77	465	26	<5	19	<10	201	2008	<2	34	<10	17	28
99094	CL1413863	<0.005	<1	5.46	28	26	2	2	0.51	7	39	518	8	7.06	0.16	73	5.00	740	<1	134	1318	32	13	<5	<10	214	2956	<2	161	<10	16	126
99095	CL1413864	<0.005	<1	6.90	19	<1	2	2	0.38	5	31	451	7	5.55	0.22	60	4.36	555	<1	114	1234	29	7	8	<10	202	2291	<2	124	<10	9	99
99096	CL1413865	<0.005	<1	7.35	24	<1	2	3	0.41	6	31	458	8	5.92	0.15	63	4.62	612	<1	107	1265	24	5	<5	<10	213	1944	<2	117	<10	11	105
99097	CL1413866	<0.005	2	6.81	23	<1	<2	2	0.57	5	29	388	7	4.85	0.19	51	3.81	517	<1	87	1075	23	<5	13	<10	221	2844	<2	101	<10	7	91
99098	CL1413867	0.019	2	3.67	3	<1	<2	3	0.38	5	31	435	7	5.25	0.06	52	3.79	573	<1	111	978	25	<5	10	<10	193	2679	<2	105	<10	6	104
99099	CL1413868	0.019	2	3.03	18	<1	<2	2	0.18	5	30	432	7	5.11	<0.01	49	3.58	544	<1	96	1022	20	8	<5	<10	185	2286	<2	94	<10	5	96

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By:   
 Dr. David Brown, VP Quality

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 Date Received: 11/01/2013  
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 Reference: CL sample series  
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Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99100	CL1413869	0.036	1	2.57	19	<1	<2	1	<0.01	6	32	468	6	5.56	<0.01	47	3.85	598	<1	92	1184	19	9	<5	<10	176	2705	<2	109	<10	5	104
99101D	CL1413869	0.039	<1	2.14	19	<1	<2	2	<0.01	6	33	473	6	5.60	<0.01	47	3.88	605	<1	95	1204	25	5	<5	<10	173	2704	8	110	<10	5	103
99102	CL1413870	0.081	1	1.93	20	<1	<2	2	<0.01	5	31	454	6	5.32	0.08	50	3.81	567	<1	92	1156	26	5	<5	<10	188	2783	4	111	<10	5	103
99103	CL1413871	0.042	<1	3.09	31	<1	<2	3	0.41	6	34	513	7	6.17	<0.01	70	4.19	641	<1	98	1277	24	<5	<5	<10	186	2685	<2	122	<10	5	112
99104	CL1413872	<0.005	<1	5.78	22	<1	<2	2	0.26	7	37	555	7	6.74	0.20	52	4.61	715	<1	119	1368	25	5	<5	<10	179	3893	<2	135	<10	17	124
99105	CL1413873	<0.005	3	7.40	16	377	<2	<1	0.27	<4	11	39	10	1.93	0.29	15	1.37	171	2	35	586	29	<5	16	<10	218	1798	<2	40	<10	10	28
99106	CL1413874	0.509	<1	5.35	209	100	<2	<1	3.96	8	48	191	61	7.29	0.34	1	2.98	1175	<1	125	1448	26	<5	<5	<10	406	8369	<2	136	<10	17	113
99107	CL1413875	0.006	3	8.62	27	416	<2	1	0.46	<4	11	35	10	2.40	0.26	27	1.99	203	4	31	964	34	<5	21	<10	205	1798	<2	40	<10	15	40
99108	CL1413876	<0.005	3	9.25	18	441	<2	<1	0.30	<4	12	23	8	2.68	0.25	31	2.26	222	<1	29	636	21	<5	19	<10	189	2023	<2	43	<10	22	40
99109	CL1413877	<0.005	3	7.42	18	711	2	3	0.35	<4	10	30	9	2.47	0.18	27	1.82	215	<1	33	558	26	8	10	<10	222	1842	<2	48	<10	11	36
99110	CL1413878	<0.005	2	4.24	12	757	2	5	<0.01	<4	18	40	6	3.66	0.29	29	2.39	338	<1	63	421	23	<5	11	<10	187	2428	2	93	<10	10	65
99111	CL1413879	<0.005	2	3.36	19	223	<2	2	0.02	5	25	46	7	5.27	0.15	52	3.19	520	<1	79	374	27	6	<5	<10	189	2866	<2	111	<10	7	87
99112D	CL1413879	<0.005	1	2.90	25	147	<2	1	<0.01	5	23	40	6	4.89	<0.01	49	3.01	481	<1	72	363	25	<5	8	<10	180	2694	<2	102	<10	7	79
99113	CL1413880	<0.005	<1	2.97	14	106	<2	1	<0.01	6	25	41	7	5.85	<0.01	70	3.44	568	3	83	391	26	<5	<5	<10	172	2498	<2	106	<10	5	90
99114	CL1413881	<0.005	2	<0.01	10	202	<2	<1	<0.01	4	18	41	7	4.04	0.02	41	2.33	385	<1	57	489	20	<5	<5	<10	163	2175	<2	80	<10	8	60
99115	CL1413882	<0.005	1	2.02	17	398	<2	<1	<0.01	5	22	26	8	5.09	0.03	77	3.31	453	<1	62	442	22	7	<5	<10	153	2170	5	81	<10	6	73
99116	CL1413883	<0.005	<1	5.68	17	493	2	2	0.12	8	31	55	54	7.62	0.07	94	4.68	676	<1	92	451	23	<5	<5	11	154	3033	<2	124	<10	13	110
99117	CL1413884	0.006	<1	5.54	20	630	<2	1	0.31	7	28	49	8	6.62	0.13	73	4.02	593	5	98	370	24	<5	<5	<10	192	3137	<2	133	<10	6	97
99118	CL1413885	<0.005	<1	4.61	26	477	2	1	0.39	6	26	46	8	6.34	<0.01	83	4.16	595	<1	95	366	24	8	<5	<10	212	3349	<2	130	<10	6	89
99119	CL1413886	<0.005	<1	3.48	16	368	2	<1	0.08	7	32	147	9	6.59	0.03	93	4.54	601	1	99	642	23	6	6	<10	162	2728	<2	104	<10	12	106

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Tuesday, November 19, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/13/2013  
 Job #: 201310896  
 Reference: CL sample series  
 Sample #: 87

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99120	CL1413887	<0.005	<1	2.63	19	<1	<2	3	0.58	8	45	512	17	7.40	0.11	72	4.41	710	<1	127	2195	28	<5	9	<10	152	4513	<2	164	<10	16	120
99121	CL1413888	<0.005	4	3.27	15	345	2	3	0.31	<4	9	56	61	1.64	0.47	9	0.89	157	3	44	428	24	<5	10	<10	315	1594	<2	38	<10	10	20
99122	CL1413889	<0.005	<1	4.27	28	221	<2	3	4.23	11	54	38	154	9.65	<0.01	11	2.16	1433	<1	77	862	32	7	<5	<10	292	7114	<2	287	<10	24	100
99123D	CL1413889																IS															
99124	CL1413890	<0.005	<1	2.37	17	<1	<2	2	0.46	7	45	645	53	6.75	<0.01	72	4.26	668	1	204	1998	21	6	8	<10	142	3672	<2	127	<10	15	114
99125	CL1413891	<0.005	<1	1.09	18	<1	<2	3	0.42	7	45	520	13	6.62	<0.01	60	4.08	705	<1	163	2058	26	<5	10	<10	156	3868	<2	132	<10	12	122
99126	CL1413892	<0.005	3	3.23	14	535	2	3	0.30	<4	10	80	15	2.27	<0.01	26	1.56	236	3	56	464	20	<5	12	<10	314	1704	<2	51	<10	13	37
99127	CL1413893	<0.005	3	3.79	20	897	<2	1	0.77	<4	7	58	12	2.31	0.21	20	1.49	260	8	67	394	30	6	13	<10	294	1567	<2	44	<10	17	32
99128	CL1413894	<0.005	4	4.53	13	420	2	1	0.45	<4	5	49	36	0.83	<0.01	5	0.38	<100	5	44	365	22	<5	15	<10	219	1137	<2	15	<10	18	11
99129	CL1413895	<0.005	2	4.73	21	419	2	<1	2.21	<4	8	55	99	1.43	<0.01	10	0.68	306	15	57	388	32	<5	16	<10	270	1380	<2	29	<10	31	15
99130	CL1413896	<0.005	2	4.44	26	524	2	1	0.75	<4	18	284	36	3.78	0.33	39	2.88	404	3	134	948	26	<5	10	<10	292	2867	<2	88	<10	15	58
99131	CL1413897	<0.005	3	3.36	17	606	2	<1	0.81	<4	8	44	16	1.71	0.57	8	0.76	191	6	60	1006	22	7	11	<10	319	1636	<2	37	<10	24	14
99132	CL1413898	<0.005	3	3.43	25	728	<2	1	0.58	<4	9	51	24	2.02	0.48	6	0.80	185	5	58	428	20	<5	15	<10	316	1736	<2	36	<10	8	20
99133	CL1413899	<0.005	3	4.64	19	786	<2	2	0.79	<4	10	46	20	1.97	0.26	11	0.78	180	3	45	454	25	5	6	<10	329	1760	<2	36	<10	8	24
99134D	CL1413899	<0.005	3	2.51	21	665	<2	<1	0.33	<4	9	37	18	1.72	0.18	4	0.67	158	2	39	406	19	7	8	<10	284	1573	<2	31	<10	7	28
99135	CL1413900	<0.005	3	3.31	17	757	<2	1	0.45	<4	8	33	18	1.71	<0.01	4	0.65	165	3	49	435	15	<5	8	<10	325	1605	<2	33	<10	8	20
99136	CL1413901	<0.005	3	3.46	15	274	2	2	1.68	<4	9	59	59	1.92	<0.01	5	0.62	255	2	56	409	29	<5	21	<10	495	1648	<2	37	<10	9	11
99137	CL1413902	<0.005	<1	1.43	21	89	2	1	3.54	6	35	374	82	5.71	<0.01	40	3.45	969	<1	78	1979	24	<5	<5	<10	260	5442	<2	176	<10	15	79
99138	CL1413903	<0.005	<1	1.73	18	<1	2	2	4.01	7	50	762	39	6.75	0.20	53	4.62	1208	<1	317	1716	25	6	7	<10	200	4916	<2	164	<10	14	105
99139	CL1413904	<0.005	<1	4.24	9	25	2	3	3.81	7	51	795	52	6.89	<0.01	56	5.33	1177	<1	391	1748	23	5	<5	<10	194	4618	<2	144	<10	17	110

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Dr. David Brown, VP Quality

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Tuesday, November 19, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/13/2013  
 Job #: 201310896  
 Reference: CL sample series  
 Sample #: 87

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99140	CL1413905	1.821	<1	3.60	745	244	<2	1	4.22	11	52	207	102	9.48	<0.01	5	2.79	1889	<1	133	1825	29	6	5	<10	441	8449	<2	152	<10	17	122
99141	CL1413906	<0.005	2	4.22	20	6	3	3	3.00	4	18	141	192	3.98	<0.01	22	2.09	650	1	89	1556	26	<5	7	<10	481	3484	<2	100	<10	21	43
99142	CL1413907	<0.005	<1	<0.01	3	108	2	2	3.12	6	35	382	66	5.70	0.31	29	3.22	1018	<1	108	1604	33	<5	<5	<10	544	4747	<2	163	<10	12	89
99143	CL1413908	<0.005	<1	1.64	30	108	3	3	4.47	7	44	457	156	6.58	0.16	23	3.50	1180	<1	126	2005	40	<5	<5	<10	869	5785	<2	194	<10	17	73
99144	CL1413909	<0.005	<1	3.05	10	31	3	1	4.48	6	40	418	128	6.44	0.22	19	3.50	1154	<1	112	2066	35	12	<5	<10	843	5692	<2	189	<10	20	84
99145R	CL1413909	<0.005	<1	4.79	25	27	3	3	4.47	7	39	386	140	6.55	<0.01	24	3.51	1137	1	101	2111	33	6	<5	<10	899	5730	<2	184	<10	21	274
99146	CL1413910	<0.005	<1	<0.01	18	76	3	<1	3.93	8	43	445	102	6.79	0.63	26	3.44	1133	1	128	1968	38	5	<5	<10	744	5632	<2	199	<10	14	233
99147	CL1413911	<0.005	<1	4.70	27	60	3	3	4.08	7	43	496	90	6.74	<0.01	24	4.11	1200	<1	164	1984	32	<5	10	<10	536	5591	<2	184	<10	20	123
99148	CL1413912	0.011	<1	4.61	15	148	2	3	3.65	6	37	455	163	5.54	0.35	20	3.48	1009	1	168	1667	24	8	<5	<10	461	4540	<2	140	<10	18	144
99149	CL1413913	<0.005	<1	4.52	8	128	3	2	4.63	8	56	937	42	7.21	0.05	33	5.62	1319	<1	411	1762	34	12	<5	<10	320	4795	<2	157	<10	17	158
99150	CL1413914	<0.005	<1	3.94	12	53	2	3	4.66	8	58	1111	12	7.07	<0.01	34	5.93	1295	<1	458	1466	24	12	11	<10	188	4586	<2	146	<10	16	182
99151	CL1413915	<0.005	2	5.11	24	22	2	1	2.84	4	27	258	49	3.91	<0.01	26	2.55	640	<1	102	1098	21	7	10	<10	458	3305	<2	90	<10	14	69
99152	CL1413916	0.011	<1	5.18	26	33	2	2	4.04	6	40	356	38	5.92	<0.01	57	3.96	981	<1	93	1952	25	<5	<5	<10	243	5184	<2	165	<10	19	92
99153	CL1413917	0.006	<1	0.42	17	<1	2	1	3.62	7	49	628	53	6.39	<0.01	55	4.53	1008	<1	258	1796	32	<5	<5	<10	189	4892	<2	160	<10	13	127
99154	CL1413918	<0.005	<1	1.15	31	54	<2	1	3.85	10	51	40	156	9.10	<0.01	9	2.04	1410	<1	74	685	27	<5	8	<10	229	6313	<2	277	<10	19	105
99155	CL1413919	<0.005	<1	1.80	18	<1	<2	3	5.04	7	49	893	13	6.46	0.02	41	4.79	1165	<1	381	1618	26	9	<5	<10	156	4264	<2	146	<10	15	105
99156D	CL1413919	<0.005	<1	2.93	23	8	<2	2	5.59	7	53	956	14	6.89	0.10	53	5.01	1230	<1	415	1727	33	6	<5	<10	172	4530	<2	155	<10	16	116
99157	CL1413920	0.006	<1	4.77	24	<1	2	4	3.78	7	41	571	20	6.51	<0.01	61	4.72	1025	<1	198	1736	27	6	<5	<10	181	3966	<2	161	<10	18	107
99158	CL1413921	<0.005	<1	4.91	21	<1	<2	2	2.30	8	51	907	8	7.27	0.23	58	5.23	965	<1	371	1975	28	6	<5	<10	150	4913	<2	175	<10	22	129
99159	CL1413922	<0.005	<1	4.77	31	<1	<2	1	5.75	7	45	978	9	6.49	0.24	52	5.00	1247	<1	403	1976	30	12	6	<10	173	4167	<2	157	<10	21	112

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Tuesday, November 19, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/13/2013  
 Job #: 201310896  
 Reference: CL sample series  
 Sample #: 87

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99160	CL1413923	<0.005	<1	5.35	28	27	2	<1	0.96	8	47	822	12	7.64	<0.01	86	5.41	893	<1	297	1768	29	7	<5	<10	163	3761	<2	140	<10	13	148
99161	CL1413924	<0.005	3	5.69	19	194	<2	<1	1.31	<4	13	59	21	2.30	0.22	6	0.78	229	<1	32	511	25	<5	22	<10	414	1964	<2	38	<10	10	22
99162	CL1413925	<0.005	1	3.90	15	<1	<2	2	0.36	6	28	443	13	5.57	<0.01	74	3.97	518	<1	88	1042	24	5	9	<10	178	3244	<2	124	<10	8	99
99163	CL1413926	<0.005	<1	3.17	19	<1	<2	2	0.17	6	33	510	8	5.86	<0.01	68	4.21	613	<1	97	1128	26	<5	6	<10	153	3250	<2	131	<10	9	114
99164	CL1413927	<0.005	<1	3.47	19	<1	<2	3	0.18	7	34	562	8	6.38	<0.01	75	4.38	618	<1	101	1369	20	7	<5	<10	156	3917	<2	155	<10	14	113
99165	CL1413928	<0.005	<1	3.37	20	<1	<2	2	0.10	6	33	468	6	6.08	<0.01	61	4.21	631	<1	104	1190	28	<5	<5	<10	159	3333	<2	147	<10	12	104
99166	CL1413929	0.039	3	3.48	17	<1	<2	2	1.67	<4	11	32	7	1.93	0.16	9	1.23	259	<1	34	514	16	5	12	<10	213	1775	<2	51	<10	17	28
99167D	CL1413929	0.062	3	3.34	19	<1	<2	1	1.79	<4	12	37	8	1.97	0.12	11	1.27	271	<1	30	536	21	<5	19	<10	216	1823	<2	53	<10	16	36
99168	CL1413930	<0.005	3	<0.01	3	16	<2	1	0.05	4	19	217	9	3.44	0.22	32	2.10	408	<1	62	673	28	<5	<5	<10	272	2456	<2	87	<10	5	62
99169	CL1413931	<0.005	<1	4.69	32	<1	2	2	0.54	7	36	456	9	6.87	<0.01	91	4.65	668	<1	111	1188	25	6	<5	<10	182	3389	<2	161	<10	12	102
99170	CL1413932	0.007	3	6.31	15	278	2	1	0.85	<4	11	58	21	2.32	0.08	17	1.40	231	1	37	541	26	7	17	<10	362	1951	<2	48	<10	11	38
99171	CL1413933	1.284	25	5.66	306	675	<2	11	1.46	5	20	245	145	4.88	0.15	13	1.06	354	1	47	892	301	56	20	<10	552	3979	<2	89	11	7	95
99172	CL1413934	0.013	<1	7.00	20	71	2	<1	0.55	6	31	379	9	6.16	<0.01	63	4.34	666	<1	99	950	30	10	<5	<10	192	2824	<2	116	10	13	113
99173	CL1413935	<0.005	<1	4.98	26	28	2	4	0.52	9	42	662	8	8.12	<0.01	87	5.49	879	<1	136	1341	38	11	12	10	149	3440	<2	171	<10	14	158
99174	CL1413936	0.006	<1	4.50	25	<1	<2	2	0.64	7	33	404	8	7.07	0.23	84	4.51	735	<1	88	1920	33	8	<5	<10	162	4101	<2	139	<10	18	130

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Wednesday, November 20, 2013

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 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310897  
 Reference: CL sample series  
 Sample #: 93

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99175	CL205234	<0.005	<1	4.23	19	193	<2	4	1.46	<4	10	17	12	2.06	0.68	5	0.50	305	<1	27	403	20	<5	11	<10	185	2123	<2	35	<10	10	18
99176	CL205235	<0.005	<1	5.19	17	240	<2	<1	2.97	<4	11	14	20	2.59	0.42	10	0.63	480	1	27	452	21	<5	<5	<10	195	2309	<2	36	<10	15	32
99177	CL205236	0.006	<1	3.73	15	255	<2	2	2.70	<4	12	12	14	2.56	0.25	11	0.59	493	<1	24	421	22	8	<5	<10	192	2324	<2	36	11	13	31
99178	CL205237	0.009	<1	4.21	22	204	<2	<1	2.12	<4	14	12	13	3.05	0.40	14	0.68	468	<1	35	387	21	<5	<5	<10	208	2246	<2	41	<10	12	32
99179	CL205238	<0.005	<1	3.44	21	391	3	3	2.79	5	24	32	28	5.12	0.43	17	1.08	814	<1	54	1532	28	<5	<5	<10	603	5709	<2	114	<10	23	73
99180	CL205239	<0.005	<1	2.95	19	261	<2	6	1.56	<4	12	11	10	2.63	0.28	14	0.57	410	<1	39	360	22	<5	<5	<10	205	2103	<2	46	<10	11	24
99181	CL205240	<0.005	<1	5.63	18	255	<2	1	1.93	<4	13	20	11	2.92	0.22	14	0.72	426	2	41	382	26	<5	14	<10	216	2326	<2	49	<10	15	31
99182	CL205241	<0.005	<1	7.06	20	267	<2	2	2.03	<4	13	10	12	2.64	0.28	10	0.74	381	<1	24	391	25	<5	30	<10	232	2335	<2	47	<10	16	31
99183	CL205242	0.032	<1	6.15	20	258	<2	2	2.09	<4	13	24	44	2.82	0.85	7	0.71	462	<1	30	389	28	<5	21	<10	284	2314	<2	44	<10	18	38
99184	CL205243	0.012	<1	7.50	28	491	<2	2	2.18	<4	15	18	62	2.43	0.26	14	0.82	387	2	27	408	24	<5	22	<10	241	2289	<2	46	<10	18	26
99185D	CL205243	0.013	<1	7.34	21	433	<2	2	2.04	<4	16	16	63	2.44	0.52	12	0.81	379	<1	27	397	24	<5	10	<10	236	2271	<2	45	<10	18	25
99186	CL205244	0.018	<1	7.34	31	338	<2	2	2.54	<4	24	113	117	3.80	0.48	18	1.39	578	3	67	419	24	5	17	<10	255	2647	<2	68	10	18	51
99187	CL205245	0.015	<1	6.23	17	365	<2	4	1.89	<4	12	11	33	2.62	0.61	12	0.68	410	<1	24	384	27	<5	7	<10	224	2215	<2	43	<10	15	40
99188	CL205246	<0.005	<1	3.83	19	328	<2	3	1.28	<4	8	30	10	2.06	0.56	4	0.38	283	3	53	361	24	<5	7	<10	224	1888	<2	30	<10	15	45
99189	CL205247	<0.005	<1	3.81	17	347	<2	2	1.52	<4	7	11	8	1.82	<0.01	6	0.36	328	<1	21	321	15	<5	13	<10	179	1708	<2	25	<10	14	12
99190	CL205248	<0.005	<1	3.54	18	317	<2	<1	1.16	<4	7	13	19	1.82	0.17	7	0.35	272	<1	33	328	21	<5	<5	<10	200	1656	<2	24	<10	14	15
99191	CL205249	<0.005	<1	1.62	6	207	<2	5	0.59	<4	7	6	14	1.85	<0.01	1	0.33	238	<1	26	309	21	5	11	<10	235	1680	<2	23	<10	14	14
99192	CL205250	<0.005	<1	2.65	21	303	<2	2	0.92	<4	7	24	22	1.95	<0.01	8	0.28	265	2	45	311	27	<5	12	<10	250	1729	<2	25	<10	10	16
99193	CL205251	0.181	<1	6.96	42	913	3	<1	2.71	5	22	91	3447	4.80	0.32	37	1.32	594	53	38	1216	37	<5	5	11	445	4994	<2	122	10	22	66
99194	CL205252	<0.005	<1	4.88	19	359	<2	2	1.22	<4	9	13	68	1.95	0.24	6	0.37	275	<1	21	348	25	7	6	<10	213	1881	<2	27	<10	18	15

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99195	CL205253	<0.005	<1	6.93	21	416	<2	2	1.54	<4	9	20	32	2.07	0.56	9	0.43	299	3	31	386	27	7	18	<10	230	1998	<2	28	<10	19	18	
99196D	CL205253	<0.005	<1	6.75	25	408	<2	4	1.55	<4	9	21	12	2.03	0.43	7	0.43	297	2	30	389	25	5	17	<10	223	1959	<2	27	<10	19	21	
99197	CL205254	<0.005	<1	5.72	17	464	2	<1	1.59	<4	10	16	13	2.44	0.99	10	0.51	333	<1	25	358	26	<5	25	<10	218	2136	<2	35	<10	25	29	
99198	CL205255	<0.005	<1	7.02	18	415	<2	1	1.50	<4	8	19	16	1.97	0.74	6	0.43	292	1	29	385	27	<5	16	<10	217	1940	<2	27	<10	22	28	
99199	CL205256	<0.005	<1	7.75	25	412	2	<1	2.06	<4	9	18	12	2.12	0.54	13	0.50	308	<1	23	401	26	5	19	<10	273	1991	<2	30	<10	20	24	
99200	CL205257	<0.005	<1	4.36	12	259	<2	1	1.13	<4	9	15	15	1.91	0.20	4	0.40	274	<1	30	339	20	5	18	<10	191	1719	<2	27	<10	17	145	
99201	CL205258	<0.005	<1	3.54	16	248	<2	<1	1.06	<4	8	9	19	1.77	<0.01	2	0.36	254	<1	23	324	18	<5	13	<10	167	1582	<2	24	<10	20	15	
99202	CL205259	<0.005	<1	4.30	11	219	<2	3	1.11	<4	6	11	13	1.80	0.07	11	0.35	254	24	28	327	20	<5	8	<10	183	1546	2	22	<10	13	11	
99203	CL205260	0.007	<1	2.14	10	174	<2	2	0.78	<4	6	7	15	1.53	0.26	9	0.27	196	<1	22	280	22	<5	<5	<10	200	1357	<2	20	<10	11	13	
99204	CL205261	0.010	<1	4.09	17	341	<2	3	1.21	<4	9	18	25	2.02	0.41	13	0.33	253	2	34	321	24	<5	13	<10	228	1686	<2	25	<10	11	15	
99205	CL205262	<0.005	<1	5.96	19	298	<2	2	1.50	<4	8	5	17	1.85	<0.01	10	0.36	248	<1	23	317	23	6	10	<10	207	1604	<2	21	<10	22	10	
99206	CL205263	<0.005	<1	<0.01	21	499	3	2	3.09	6	28	55	31	5.64	0.53	17	1.04	930	6	91	1447	38	<5	<5	<10	615	5967	<2	129	<10	21	88	
99207D	CL205263																																
99208	CL205264	<0.005	<1	4.58	8	274	2	1	1.05	<4	7	12	11	1.98	0.32	7	0.35	273	<1	26	322	29	5	8	<10	251	1818	<2	25	<10	25	22	
99209	CL205265	<0.005	<1	5.76	25	321	<2	1	1.41	<4	8	19	14	2.08	0.52	9	0.35	295	1	36	313	32	9	11	<10	219	1818	<2	25	<10	21	18	
99210	CL205266	<0.005	<1	6.51	15	369	2	3	1.33	<4	7	10	16	1.90	0.48	7	0.35	272	<1	18	323	24	<5	16	<10	203	1768	<2	23	<10	21	20	
99211	CL205267	<0.005	<1	3.52	16	196	2	2	0.58	<4	6	14	21	1.74	0.14	<1	0.28	231	<1	31	254	21	7	15	<10	176	1525	<2	19	<10	18	161	
99212	CL205268	<0.005	<1	3.09	12	430	2	<1	1.36	<4	9	13	60	1.63	0.42	5	0.22	236	3	29	222	24	8	15	<10	177	1437	<2	18	<10	16	60	
99213	CL205269	<0.005	<1	2.44	19	369	<2	2	0.90	<4	6	9	29	1.55	0.82	5	0.22	190	<1	19	202	22	5	7	<10	181	1471	<2	17	<10	16	25	
99214	CL205270	0.015	<1	3.81	15	404	2	2	1.08	<4	7	11	143	1.67	0.51	5	0.25	221	1	20	237	26	<5	12	<10	204	1480	<2	19	<10	18	27	

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99215	CL205271	<0.005	<1	4.23	16	399	2	2	1.04	<4	6	15	32	1.61	0.43	4	0.24	219	1	23	234	28	6	15	<10	207	1478	<2	18	<10	19	29
99216	CL205272	<0.005	<1	2.45	12	402	2	2	0.92	<4	6	21	24	1.59	0.33	4	0.23	219	2	33	213	28	5	18	<10	183	1474	<2	19	<10	15	25
99217	CL205273	<0.005	<1	0.10	19	351	2	<1	0.63	<4	6	27	42	1.49	0.42	2	0.20	196	3	46	177	24	<5	<5	<10	175	1395	<2	18	<10	12	47
99218D	CL205273	<0.005	<1	1.68	11	338	2	3	0.64	<4	7	26	40	1.43	0.31	1	0.21	186	3	45	211	20	5	10	<10	175	1379	<2	17	<10	13	56
99219	CL205274	<0.005	<1	2.06	20	319	2	2	0.55	<4	6	14	44	1.22	0.45	1	0.21	172	<1	24	224	22	<5	10	<10	182	1344	<2	16	<10	15	40
99220	CL205275	<0.005	<1	1.79	8	350	2	<1	0.68	<4	7	11	36	1.05	0.25	2	0.20	153	<1	24	233	28	<5	14	<10	195	1379	<2	17	<10	16	17
99221	CL205276	1.454	<1	3.63	36	332	<2	3	1.71	8	22	40	11357	7.20	0.07	13	1.39	547	520	27	1104	41	<5	<5	11	509	3048	<2	149	<10	11	91
99222	CL205277	0.008	<1	1.58	15	276	2	3	0.46	<4	6	17	47	0.93	0.25	2	0.17	148	<1	35	200	22	<5	11	<10	214	1083	<2	14	<10	14	10
99223	CL205278	<0.005	<1	3.41	21	324	2	1	0.96	<4	6	35	35	1.36	0.57	5	0.44	224	<1	28	356	22	<5	15	<10	213	1518	<2	29	<10	22	19
99224	CL205279	<0.005	<1	5.31	28	174	<2	<1	4.43	8	29	635	10	7.47	0.52	54	3.31	1210	<1	123	1713	33	5	10	<10	174	3971	9	129	<10	25	117
99225	CL205280	0.006	<1	7.78	23	537	2	2	1.19	<4	9	22	54	1.61	0.55	9	0.51	226	1	27	303	21	<5	20	<10	196	1518	<2	24	10	23	21
99226	CL205281	<0.005	<1	7.86	15	477	<2	1	1.51	4	18	340	29	3.99	0.53	30	1.32	494	<1	55	568	19	5	18	<10	167	2339	<2	39	<10	24	77
99227	CL205282	<0.005	<1	8.20	22	447	2	1	1.41	<4	6	15	34	1.57	0.30	6	0.30	204	2	23	297	29	5	22	<10	198	1514	<2	17	<10	29	11
99228	CL205283	<0.005	<1	7.05	8	411	2	2	1.26	<4	5	23	25	1.59	0.68	6	0.24	230	2	33	255	23	7	21	<10	236	1475	<2	16	<10	20	35
99229D	CL205283	<0.005	<1	3.86	21	379	2	2	1.00	<4	6	22	20	1.49	0.69	4	0.19	221	1	29	194	26	<5	20	<10	224	1396	<2	15	<10	14	26
99230	CL205284	<0.005	<1	2.10	16	321	<2	2	0.60	<4	4	23	16	0.84	0.87	2	0.12	146	2	28	146	28	<5	16	<10	173	958	<2	12	<10	11	15
99231	CL205285	<0.005	<1	3.41	24	403	2	2	0.72	<4	7	34	31	1.76	0.25	7	0.23	249	5	64	253	26	8	8	<10	196	1480	<2	19	<10	17	40
99232	CL205286	<0.005	<1	2.88	18	380	2	2	0.75	<4	7	18	59	1.63	0.34	5	0.22	243	<1	20	256	24	<5	7	<10	208	1470	<2	17	<10	17	31
99233	CL205287	<0.005	<1	3.36	10	312	<2	<1	0.72	<4	5	15	25	1.52	0.06	5	0.23	252	<1	27	258	18	6	15	<10	196	1418	<2	16	<10	17	16
99234	CL205288	<0.005	<1	4.94	19	464	3	<1	3.19	6	27	85	34	6.10	0.18	21	1.26	944	13	91	1867	29	5	<5	<10	632	6406	<2	127	<10	27	87

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99235	CL205289	<0.005	<1	4.38	21	382	<2	1	1.00	<4	5	14	35	1.08	0.51	2	0.27	144	2	20	257	27	<5	23	<10	172	1520	<2	18	<10	20	15
99236	CL205290	0.656	<1	7.25	19	477	2	4	1.90	<4	8	24	86	1.61	0.56	8	0.36	199	46	24	304	30	<5	20	<10	168	1486	<2	19	11	26	37
99237	CL205291	0.007	<1	7.66	21	340	2	<1	1.38	<4	7	15	19	1.46	0.51	3	0.30	174	<1	18	312	27	<5	22	<10	203	1561	<2	18	<10	22	37
99238	CL205292	0.014	<1	7.62	21	441	2	2	1.33	<4	7	22	114	1.74	0.78	4	0.30	211	3	26	282	25	9	15	<10	204	1541	<2	18	<10	24	16
99239	CL205293	<0.005	<1	8.28	29	440	2	2	1.44	<4	7	15	45	1.55	0.97	5	0.27	201	2	20	307	25	6	25	<10	195	1561	<2	16	<10	25	12
99240R	CL205293	<0.005	<1	7.30	20	409	2	<1	1.23	<4	7	24	42	1.65	0.95	2	0.28	210	2	31	295	27	6	19	<10	187	1586	<2	17	<10	25	20
99241	CL205294	<0.005	<1	7.09	21	443	<2	<1	0.99	<4	4	18	65	1.11	0.67	2	0.19	140	2	23	243	24	<5	25	<10	178	1215	<2	12	<10	23	24
99242	CL205295	<0.005	<1	5.37	18	449	<2	<1	1.20	<4	8	18	36	1.87	0.73	9	0.30	239	2	19	303	27	5	19	<10	178	1881	<2	24	11	21	55
99243	CL205296	<0.005	<1	1.10	19	379	2	1	0.49	<4	5	18	37	1.41	0.92	5	0.16	174	1	19	187	24	<5	11	<10	177	1339	<2	16	<10	14	45
99244	CL205297	<0.005	<1	3.31	13	367	2	<1	0.37	<4	3	17	79	1.02	0.38	<1	0.11	114	<1	23	177	24	7	23	<10	176	1061	<2	9	<10	18	27
99245	CL205298	0.007	<1	0.83	14	326	<2	2	0.08	<4	4	16	66	1.12	0.55	<1	0.10	126	<1	21	170	22	<5	8	<10	175	1074	<2	9	<10	12	21
99246	CL205299	<0.005	<1	<0.01	11	<1	<2	17	<0.01	<4	3	8	17	1.09	0.39	3	0.24	156	<1	18	<100	13	<5	21	<10	98	958	<2	12	<10	6	30
99247	CL205300	0.049	<1	<0.01	9	<1	<2	21	<0.01	<4	3	<1	27	1.13	0.18	11	0.35	162	63	10	<100	10	<5	25	<10	94	1146	<2	13	<10	9	45
99248	CL205301	1.024	<1	6.32	703	204	<2	2	4.21	11	49	201	102	9.75	0.62	3	3.20	2390	<1	130	2096	29	<5	<5	<10	436	8339	5	155	<10	21	105
99249	CL205302	<0.005	<1	7.08	29	371	2	2	1.42	<4	9	12	32	2.05	0.56	6	0.40	251	<1	16	363	23	10	24	<10	221	1911	<2	23	<10	23	13
99250	CL205303	<0.005	<1	6.98	15	431	2	2	1.30	<4	7	8	19	1.67	1.10	6	0.30	201	<1	13	322	21	<5	26	<10	196	1750	<2	20	<10	20	14
99251D	CL205303	<0.005	<1	7.50	26	474	2	2	1.47	<4	7	6	19	1.75	1.31	7	0.32	210	<1	14	330	24	6	19	<10	202	1843	<2	21	<10	21	15
99252	CL205304	<0.005	<1	8.14	25	423	2	<1	1.27	<4	7	4	45	1.59	0.78	6	0.28	191	<1	14	304	28	<5	21	<10	228	1578	<2	17	<10	20	19
99253	CL205305	<0.005	<1	8.25	28	435	2	2	1.46	<4	6	8	19	1.83	0.97	9	0.34	234	<1	16	350	26	<5	14	<10	227	1767	<2	20	<10	22	25
99254	CL205306	<0.005	<1	5.03	18	387	2	2	1.38	<4	6	9	25	1.87	0.93	13	0.29	249	<1	14	268	25	<5	15	<10	246	1702	<2	21	<10	16	33

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99255	CL205307	5.485	2	2.85	16	259	<2	3	0.84	<4	6	9	58	1.65	0.63	9	0.23	217	<1	16	262	20	<5	14	<10	197	1496	<2	18	<10	14	20
99256	CL205308	0.010	<1	3.65	24	303	<2	2	1.04	<4	7	9	15	1.88	0.19	12	0.30	275	<1	17	331	18	<5	11	<10	206	1746	<2	22	<10	16	25
99257	CL205309	<0.005	<1	3.33	17	341	<2	<1	1.40	<4	11	17	30	2.44	0.23	16	0.44	351	<1	21	404	22	5	9	<10	241	2219	<2	37	<10	15	26
99258	CL205310	<0.005	<1	4.20	13	302	<2	1	1.37	<4	10	17	17	2.60	0.21	16	0.50	371	<1	37	420	19	<5	7	<10	250	2352	<2	39	<10	17	25
99259	CL205311	0.012	<1	2.76	20	301	<2	1	1.34	<4	11	13	20	2.58	0.87	13	0.45	343	<1	24	356	23	<5	<5	<10	250	2256	<2	38	<10	15	27
99260	CL205312	6.461	<1	3.21	14	435	<2	2	1.60	4	15	13	187	3.35	1.02	15	0.44	367	<1	23	341	280	5	<5	<10	198	2105	<2	35	<10	14	350
99261	CL205313	0.027	<1	6.99	25	592	3	2	3.91	7	30	24	35	6.07	0.83	24	1.44	959	<1	27	1790	41	<5	6	<10	689	6890	<2	134	<10	33	95
99262D	CL205313																IS															
99263	CL205314	0.011	<1	7.59	21	406	<2	2	2.08	<4	10	12	28	2.51	0.89	12	0.60	379	19	20	475	28	5	7	<10	233	2476	<2	41	<10	22	21
99264	CL205315	<0.005	<1	8.73	23	499	<2	2	1.99	<4	14	19	63	3.14	0.61	21	0.69	389	<1	26	467	22	<5	20	<10	221	2623	<2	44	<10	19	25
99265	CL205316	<0.005	<1	7.65	20	405	<2	<1	1.05	<4	6	9	82	1.08	0.60	4	0.19	137	<1	16	228	26	6	26	<10	185	1192	<2	11	<10	19	30
99266	CL205317	<0.005	<1	3.51	20	363	<2	1	1.67	<4	11	15	18	2.52	0.68	14	0.47	346	3	24	363	24	<5	5	14	254	2306	<2	39	<10	16	47
99267	CL205318	<0.005	<1	<0.01	8	340	<2	2	1.03	<4	10	14	28	2.33	0.71	17	0.35	331	<1	23	304	29	<5	<5	<10	227	2147	<2	38	<10	11	39
99268	CL205319	0.005	<1	1.38	16	221	<2	1	1.16	<4	10	11	24	2.32	0.69	12	0.41	353	<1	16	347	17	<5	<5	<10	229	2082	<2	35	<10	13	27
99269	CL205320	<0.005	<1	3.06	14	172	<2	<1	1.05	<4	9	11	15	2.21	0.24	15	0.40	308	<1	25	368	27	6	11	<10	261	1997	<2	33	<10	14	24
99270	CL205321	<0.005	<1	1.61	20	167	<2	3	0.79	<4	10	13	41	2.20	0.62	9	0.37	315	<1	28	351	24	<5	7	<10	233	1932	<2	33	12	13	23
99271	CL205322	<0.005	<1	3.14	15	212	<2	2	1.23	<4	9	11	40	2.45	0.12	8	0.45	323	<1	24	387	20	7	12	<10	250	2171	<2	36	<10	16	24
99272	CL205323	<0.005	<1	2.45	19	194	<2	3	1.43	<4	10	15	13	2.49	0.68	10	0.42	333	<1	28	335	24	<5	5	<10	262	2231	<2	38	<10	15	15
99273D	CL205323	<0.005	<1	3.55	12	183	<2	2	1.45	<4	10	15	13	2.50	0.72	10	0.44	328	<1	26	359	20	8	7	<10	263	2230	<2	37	<10	16	20
99274	CL205324	<0.005	<1	1.98	14	238	<2	1	1.55	<4	9	18	12	2.58	0.83	11	0.40	351	<1	26	318	23	6	6	<10	269	2301	<2	40	<10	13	26

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

Certified By:

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## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
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 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310897  
 Reference: CL sample series  
 Sample #: 93

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99275	CL205325	<0.005	<1	5.25	13	331	<2	2	1.90	<4	13	17	12	2.69	0.77	13	0.55	375	<1	27	397	24	5	6	<10	279	2473	<2	40	<10	17	19
99276	CL205326	2.351	<1	8.06	955	302	<2	<1	4.64	12	52	206	136	10.40	0.52	8	3.15	2083	<1	138	2008	26	<5	7	<10	458	8645	<2	154	<10	20	106

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

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 Reference: CL sample series  
 Sample #: 96

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99277	CL204982	<0.005	<1	1.83	22	284	<2	2	1.17	<4	11	26	20	2.50	0.29	10	0.34	328	<1	27	360	24	<5	7	<10	257	2362	<2	41	<10	11	250
99278	CL204983	<0.005	<1	0.93	17	293	<2	1	1.38	<4	10	31	16	2.34	0.40	6	0.33	349	<1	22	295	20	5	7	<10	232	2162	<2	37	<10	10	92
99279	CL204984	0.095	<1	0.83	24	352	<2	1	1.47	<4	10	25	25	2.53	0.47	9	0.34	357	<1	24	276	23	5	5	<10	237	2281	<2	41	<10	10	62
99280	CL204985	0.136	<1	<0.01	17	336	<2	2	1.47	4	15	22	216	3.12	0.63	11	0.40	377	<1	22	332	25	<5	7	<10	221	2585	<2	53	<10	10	121
99281	CL204986	<0.005	<1	2.71	13	361	2	<1	1.80	<4	12	37	21	2.60	0.46	13	0.40	403	2	26	237	24	<5	12	<10	253	2311	<2	41	<10	12	79
99282	CL204987	0.009	<1	4.35	16	433	<2	2	1.98	<4	12	36	60	2.84	0.67	10	0.50	394	2	36	273	25	<5	<5	<10	227	2316	<2	42	10	13	60
99283	CL204988	<0.005	<1	9.73	18	536	3	2	3.89	7	30	81	34	6.50	0.93	18	1.53	960	11	126	2050	34	<5	9	<10	638	6921	<2	140	11	38	171
99284	CL204989	0.011	<1	2.61	15	369	<2	4	1.59	<4	11	44	42	2.69	0.47	11	0.42	347	3	41	299	36	<5	7	<10	217	2334	<2	43	<10	12	95
99285	CL204990	0.021	<1	1.68	21	315	<2	<1	1.32	<4	12	41	135	2.70	0.62	10	0.36	336	2	43	282	30	5	10	<10	209	2098	<2	39	<10	10	58
99286	CL204991	0.243	<1	2.85	17	282	<2	1	1.62	<4	10	40	18	2.28	0.27	8	0.38	352	1	35	335	27	<5	13	<10	255	2163	<2	37	<10	12	25
99287D	CL204991	0.210	<1	2.29	21	209	<2	3	1.35	<4	10	27	16	2.12	<0.01	9	0.35	331	<1	36	340	24	<5	14	<10	251	1994	<2	34	<10	11	24
99288	CL204992	0.018	<1	2.64	8	118	<2	3	1.54	<4	10	30	9	2.28	<0.01	10	0.38	305	<1	43	349	26	6	<5	<10	302	2092	<2	36	<10	11	25
99289	CL204993	0.012	<1	2.36	20	358	<2	1	1.44	<4	10	41	23	2.38	0.49	9	0.41	284	4	50	312	22	<5	12	<10	245	2197	<2	47	<10	11	38
99290	CL204994	0.013	<1	3.95	19	307	<2	2	1.95	<4	12	36	14	2.75	0.45	9	0.44	315	2	41	307	26	10	<5	<10	315	2425	<2	44	<10	14	39
99291	CL204995	0.015	<1	5.23	19	313	<2	1	2.01	<4	11	35	13	2.76	0.40	12	0.51	320	2	40	309	25	<5	9	<10	318	2481	<2	44	<10	16	29
99292	CL204996	0.019	<1	8.38	18	347	<2	2	2.76	<4	12	44	14	2.76	0.64	11	0.62	404	4	46	438	28	<5	21	<10	327	2555	<2	42	<10	22	33
99293	CL204997	0.023	<1	8.10	21	325	<2	1	2.19	<4	13	39	29	2.62	0.80	7	0.61	375	3	43	471	29	<5	21	<10	221	2397	<2	40	<10	19	21
99294	CL204998	0.020	<1	8.97	24	372	<2	1	2.30	<4	12	41	19	2.33	0.66	11	0.56	358	5	45	456	31	5	18	<10	223	2277	<2	37	<10	18	16
99295	CL204999	0.013	<1	5.78	26	322	<2	5	2.11	<4	11	42	25	2.37	0.62	11	0.49	346	2	44	310	25	<5	9	<10	229	2344	<2	40	<10	14	22
99296	CL205000	0.025	<1	2.27	24	328	<2	1	1.85	<4	10	46	29	2.29	0.47	11	0.34	317	5	42	220	29	<5	5	<10	229	2075	<2	36	10	10	45

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By:   
 Dr. David Brown, VP Quality

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Gogama, ON, CAN  
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Ph#: (416) 363-8567  
Fax#: (416) 216-8535  
Email: Alan\_Smith@iamgold.com

Date Received: 11/01/2013  
Date Completed: 11/14/2013  
Job #: 201310898  
Reference: CL sample series  
Sample #: 96

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99297	CL205001	0.014	<1	2.43	11	241	<2	1	1.71	<4	7	30	19	1.91	0.55	7	0.24	322	2	31	266	21	<5	11	<10	235	1646	<2	23	<10	11	25
99298D	CL205001	0.014	<1	2.23	14	272	<2	2	1.79	<4	7	40	20	1.94	0.14	10	0.23	328	2	33	275	21	5	12	<10	247	1649	<2	23	<10	11	20
99299	CL205002	1.000	<1	3.79	581	170	<2	3	3.57	9	39	166	94	8.29	0.16	7	2.30	1953	<1	108	1697	24	<5	<5	<10	417	6944	<2	129	<10	16	90
99300	CL205003	0.426	<1	1.91	42	199	<2	2	1.30	8	89	28	126	6.73	0.45	9	0.32	302	<1	56	322	50	7	<5	<10	217	1773	<2	32	<10	11	39
99301	CL205004	0.022	<1	1.06	15	334	<2	1	1.42	<4	8	38	91	2.41	0.63	10	0.28	259	2	25	185	25	7	<5	<10	216	1715	<2	29	<10	9	28
99302	CL205005	0.014	<1	6.28	25	452	2	3	1.51	<4	8	40	117	1.53	0.70	8	0.34	173	3	40	254	28	<5	12	<10	254	1638	<2	25	<10	16	16
99303	CL205006	0.007	<1	7.60	21	386	<2	3	1.16	<4	8	41	49	1.71	0.85	5	0.35	177	3	43	304	25	<5	20	<10	212	1727	<2	23	<10	17	24
99304	CL205007	0.013	<1	8.34	15	528	<2	2	1.53	<4	8	27	37	1.79	0.76	6	0.38	169	3	35	348	28	5	22	<10	196	1781	<2	24	<10	20	20
99305	CL205008	0.036	<1	8.70	22	409	<2	<1	1.81	<4	8	29	49	1.84	0.83	6	0.39	198	<1	25	413	31	<5	15	<10	205	1752	<2	24	<10	17	13
99306	CL205009	0.018	<1	9.49	24	464	<2	1	1.90	<4	7	32	62	1.80	0.60	8	0.36	144	2	28	403	24	<5	28	<10	217	1746	<2	22	<10	14	12
99307	CL205010	0.014	<1	8.32	24	518	2	1	3.44	<4	8	35	54	1.84	0.61	8	0.35	209	4	36	343	26	5	20	<10	211	1743	<2	24	11	16	11
99308	CL205011	0.019	<1	4.10	17	390	<2	<1	1.97	<4	10	41	60	2.18	0.62	11	0.27	279	2	37	226	30	7	10	<10	244	1888	<2	27	<10	11	28
99309D	CL205011	0.038	<1	3.57	21	316	<2	2	1.66	<4	8	34	74	2.01	0.44	10	0.25	253	3	35	269	30	<5	13	<10	236	1731	<2	25	<10	11	26
99310	CL205012	0.080	<1	3.76	22	307	<2	3	1.43	<4	12	36	84	2.13	0.24	10	0.24	241	3	56	262	30	<5	18	<10	213	1568	<2	22	<10	10	46
99311	CL205013	0.007	<1	2.78	14	474	3	1	3.16	6	27	71	32	5.81	<0.01	21	0.91	850	10	128	1398	32	<5	<5	<10	633	5790	<2	127	<10	23	84
99312	CL205014	0.135	<1	2.30	17	202	<2	2	1.16	<4	7	33	21	2.09	<0.01	13	0.34	219	2	44	307	22	<5	12	<10	203	1624	<2	31	<10	12	20
99313	CL205015	0.019	<1	2.54	32	362	2	1	1.65	<4	12	38	45	3.08	0.61	14	0.46	374	1	41	304	32	7	<5	<10	239	2361	<2	49	<10	14	54
99314	CL205016	0.017	<1	5.45	17	407	<2	<1	2.69	<4	13	41	30	2.95	0.74	14	0.57	482	4	46	300	27	<5	12	<10	257	2562	<2	50	<10	17	51
99315	CL205017	0.010	<1	7.98	23	422	<2	1	2.97	<4	14	37	37	3.36	0.86	17	0.78	544	1	38	426	22	5	18	<10	244	2827	<2	57	<10	20	72
99316	CL205018	0.708	<1	9.55	38	551	2	<1	1.88	<4	12	27	363	3.29	0.83	14	0.67	317	2	29	465	34	7	28	<10	218	2333	<2	42	<10	21	103

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99317	CL205019	0.044	<1	8.70	25	443	<2	1	1.55	<4	7	28	74	1.96	0.93	12	0.43	216	<1	25	362	35	<5	16	<10	215	1838	<2	27	<10	17	61
99318	CL205020	0.011	<1	8.40	28	406	<2	2	1.97	<4	8	21	53	2.07	0.62	8	0.43	294	<1	19	431	28	<5	21	<10	240	1926	<2	29	10	12	44
99319	CL205021	0.048	<1	3.41	33	1118	2	1	0.93	<4	13	29	12	2.26	0.55	11	0.52	143	4	24	481	31	11	23	<10	286	1848	<2	36	12	12	33
99320D	CL205021	0.045	<1	3.50	34	1206	2	2	0.86	<4	12	33	14	2.33	0.70	13	0.31	148	4	25	249	26	<5	13	<10	288	1817	<2	37	12	6	38
99321	CL205022	0.024	<1	1.50	16	306	<2	1	1.93	<4	10	31	26	2.31	0.46	12	0.33	336	<1	27	285	29	<5	10	<10	232	2069	<2	35	<10	10	27
99322	CL205023	0.014	<1	7.97	17	47	<2	2	4.07	6	15	269	8	5.45	0.48	36	2.77	838	<1	92	802	23	5	7	<10	498	1954	<2	146	<10	12	176
99323	CL205024	0.114	<1	2.65	49	716	<2	3	0.44	<4	18	20	10	2.11	0.46	8	0.28	156	<1	25	358	28	<5	11	<10	247	1662	<2	29	<10	6	21
99324	CL205025	0.019	<1	1.87	35	806	<2	1	1.76	<4	9	27	10	1.69	0.31	9	0.30	290	1	23	328	22	7	12	<10	250	1408	<2	34	<10	5	24
99325	CL205026	0.064	<1	2.28	20	742	<2	<1	0.16	<4	5	22	10	1.64	0.59	8	0.32	106	<1	18	269	19	<5	10	<10	192	1471	<2	32	<10	4	22
99326	CL205027	0.298	<1	3.40	34	543	<2	2	0.31	<4	12	21	10	3.14	0.65	22	0.84	183	1	19	299	25	<5	8	<10	168	1630	<2	36	<10	6	38
99327	CL205028	0.051	<1	5.84	32	246	<2	4	0.95	<4	9	29	16	2.69	0.66	19	1.07	232	<1	19	392	23	<5	15	<10	211	1828	<2	36	<10	11	35
99328	CL205029	2.154	<1	7.46	952	329	<2	2	4.79	12	53	214	143	10.57	0.73	9	3.06	2082	<1	137	1906	31	6	6	<10	476	8531	<2	155	<10	19	107
99329	CL205030	0.005	<1	8.79	14	247	<2	1	1.33	<4	7	25	63	2.00	0.92	9	0.66	203	<1	22	436	24	<5	17	<10	247	1546	<2	31	<10	11	26
99330	CL205031	0.025	<1	9.65	30	251	<2	2	1.63	<4	6	26	15	1.96	0.65	12	0.66	198	1	20	437	24	<5	28	<10	273	1486	<2	30	<10	11	27
99331D	CL205031	0.031	<1	8.90	23	237	<2	2	1.57	<4	7	25	14	1.93	0.54	10	0.66	200	1	19	418	24	6	20	<10	260	1480	<2	30	<10	10	45
99332	CL205032	0.021	<1	3.83	20	334	<2	2	1.26	<4	7	31	12	2.26	0.58	12	0.53	222	1	24	245	26	6	15	<10	271	1509	<2	32	<10	6	44
99333	CL205033	0.039	<1	<0.01	23	771	<2	2	1.06	<4	13	27	39	2.61	0.88	6	0.25	223	2	21	231	27	6	<5	<10	334	1520	<2	33	<10	5	28
99334	CL205034	0.060	<1	1.05	28	683	<2	2	1.02	<4	20	50	64	3.34	0.74	11	0.37	259	1	23	355	26	<5	<5	<10	311	1530	<2	34	<10	6	39
99335	CL205035	0.012	<1	7.81	28	271	2	1	3.96	6	29	270	82	5.70	0.17	39	2.82	902	<1	57	1673	26	9	<5	<10	490	4503	<2	133	<10	16	129
99336	CL205036	0.015	<1	1.88	21	192	2	2	4.36	6	31	339	89	5.55	0.02	28	2.59	960	<1	56	1600	25	5	<5	<10	600	4531	<2	145	<10	11	126

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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### Final Certificate

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 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
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 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/14/2013  
 Job #: 201310898  
 Reference: CL sample series  
 Sample #: 96

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99337	CL205037	0.008	<1	>10.00	20	432	3	<1	3.69	6	27	37	33	5.87	0.81	20	1.66	868	1	52	1922	22	7	9	<10	666	6438	<2	127	<10	40	72
99338	CL205038	3.851	<1	0.73	41	959	<2	<1	1.11	4	19	29	295	3.76	0.51	9	0.29	236	3	22	284	35	<5	<5	<10	300	1838	<2	33	<10	6	32
99339	CL205039	0.095	<1	4.42	21	782	2	1	0.90	<4	8	26	63	1.96	0.49	7	0.32	184	3	16	302	24	6	15	<10	321	1844	<2	32	<10	7	22
99340	CL205040	0.011	<1	2.66	19	413	<2	2	1.43	<4	7	28	18	1.96	0.49	9	0.28	328	2	19	237	21	<5	7	<10	271	1765	<2	32	<10	6	28
99341	CL205041	0.113	<1	5.85	16	631	<2	19	1.95	<4	7	33	15	1.55	1.87	182	0.43	212	8	25	194	14	<5	19	<10	165	1346	<2	27	<10	6	108
99342R	CL205041	0.015	<1	4.85	10	109	<2	13	2.63	<4	11	111	14	2.26	1.07	100	1.41	432	2	24	629	5	<5	6	<10	78	1437	<2	59	<10	7	114
99343	CL205042	0.018	<1	8.01	21	<1	<2	2	5.10	6	25	243	74	5.36	0.62	40	2.65	1030	<1	44	1666	18	6	17	<10	312	3434	2	124	<10	16	236
99344	CL205043	0.134	<1	<0.01	13	577	<2	2	1.54	<4	9	24	73	2.10	0.73	11	0.23	252	1	22	175	25	5	10	<10	320	1572	<2	30	<10	4	24
99345	CL205044	0.015	<1	0.37	15	399	<2	2	1.66	<4	7	25	26	1.98	0.52	10	0.22	282	1	19	152	24	<5	<5	<10	305	1650	<2	31	<10	5	26
99346	CL205045	0.009	<1	0.15	15	294	<2	2	2.37	<4	12	91	27	2.89	0.71	14	0.51	408	4	56	265	24	<5	<5	<10	428	1826	<2	49	<10	6	43
99347	CL205046	0.011	<1	3.61	29	181	2	1	4.55	6	29	186	75	5.78	0.69	41	2.49	930	<1	45	1488	22	<5	7	<10	413	3875	<2	142	<10	13	132
99348	CL205047	0.006	<1	8.14	20	211	2	2	3.05	<4	15	138	32	3.42	0.60	21	1.44	477	2	43	530	27	10	<5	<10	493	2008	<2	77	<10	11	64
99349	CL205048	0.218	<1	3.74	40	530	<2	2	0.43	<4	13	38	10	3.07	0.60	18	0.83	187	3	44	271	26	5	11	<10	171	1599	<2	36	<10	6	39
99350	CL205049	0.147	<1	1.46	35	483	<2	1	0.63	<4	13	30	12	2.81	0.82	16	0.61	203	1	20	216	26	<5	<5	<10	226	1605	<2	35	<10	5	40
99351	CL205050	<0.005	<1	2.60	19	269	<2	1	1.98	<4	8	49	32	2.32	0.86	11	0.38	320	2	30	239	23	<5	14	<10	463	1791	<2	36	<10	6	39
99352	CL205051	0.187	<1	1.43	31	693	3	2	2.00	4	18	79	3074	4.11	0.56	33	0.83	507	44	32	811	39	7	<5	<10	400	4230	<2	107	<10	13	65
99353D	CL205051	IS																														
99354	CL205052	<0.005	<1	2.80	25	237	<2	2	1.53	<4	7	28	30	1.92	<0.01	11	0.26	297	<1	36	335	23	<5	<5	<10	367	1601	<2	28	<10	6	35
99355	CL205053	<0.005	<1	<0.01	13	263	<2	3	1.19	<4	8	25	44	1.94	0.43	4	0.22	303	2	27	161	20	7	7	<10	224	1445	<2	29	<10	5	34
99356	CL205054	0.027	<1	0.91	19	391	<2	<1	1.30	<4	11	27	84	2.33	0.93	12	0.29	248	<1	26	177	25	<5	5	<10	199	1584	<2	30	<10	5	33

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Date Received: 11/01/2013  
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 Job #: 201310898  
 Reference: CL sample series  
 Sample #: 96

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99357	CL205055	0.017	<1	2.03	23	475	<2	2	1.29	<4	8	29	20	2.18	0.70	12	0.29	285	2	29	182	26	<5	8	<10	225	1810	<2	33	<10	6	24
99358	CL205056	0.006	<1	1.02	12	330	<2	2	2.01	<4	8	36	23	2.19	0.71	10	0.25	380	4	35	152	24	<5	9	<10	251	1883	<2	33	<10	4	39
99359	CL205057	0.011	<1	3.34	17	230	<2	2	2.01	<4	10	32	32	2.17	0.63	9	0.28	362	3	30	191	21	<5	12	<10	268	1930	<2	31	<10	6	40
99360	CL205058	0.006	<1	9.35	26	257	<2	2	2.05	<4	8	33	28	2.17	0.66	9	0.45	338	4	34	434	21	<5	20	<10	286	1984	<2	32	<10	11	35
99361	CL205059	0.006	<1	3.93	22	167	<2	1	1.74	<4	8	36	21	2.11	0.74	11	0.34	260	2	31	206	24	<5	15	<10	253	1594	<2	30	<10	7	35
99362	CL205060	0.007	<1	3.48	15	193	<2	2	1.82	<4	9	28	32	2.12	0.90	11	0.31	283	2	30	215	23	<5	15	<10	250	1575	<2	30	<10	6	27
99363	CL205061	0.015	<1	1.16	13	219	<2	2	1.57	<4	7	34	70	2.17	0.72	12	0.24	328	3	36	202	25	<5	<5	<10	259	1680	<2	29	<10	5	30
99364D	CL205061	0.013	<1	0.63	18	163	<2	2	1.24	<4	6	31	69	2.05	0.43	8	0.24	313	2	35	254	28	<5	10	<10	244	1598	<2	28	<10	6	34
99365	CL205062	0.011	<1	1.54	12	173	<2	1	0.96	<4	8	28	23	1.67	0.37	9	0.29	200	<1	24	317	18	<5	6	<10	203	1451	<2	30	<10	6	29
99366	CL205063	0.012	<1	0.86	2	468	3	2	3.23	6	25	54	31	5.93	<0.01	23	0.81	898	7	84	1452	32	5	<5	<10	629	5955	<2	130	<10	19	85
99367	CL205064	0.007	<1	0.11	11	259	<2	3	1.31	4	15	24	13	3.83	0.72	22	0.65	436	2	36	547	22	<5	<5	<10	204	2741	<2	79	<10	9	64
99368	CL205065	0.011	<1	5.06	11	215	<2	4	1.55	<4	6	22	25	1.97	0.35	9	0.34	228	2	30	327	18	<5	17	<10	283	1499	<2	31	<10	8	26
99369	CL205066	0.007	<1	1.00	13	231	<2	3	1.42	<4	8	30	37	2.01	0.79	6	0.26	239	3	35	211	22	5	9	<10	260	1423	<2	30	<10	6	37
99370	CL205067	0.012	<1	<0.01	17	252	<2	2	1.65	<4	9	44	36	2.18	0.57	11	0.24	279	4	34	163	23	<5	<5	<10	247	1473	<2	31	<10	5	34
99371	CL205068	0.015	<1	1.82	8	249	<2	1	1.38	<4	9	35	18	2.53	0.76	13	0.35	257	3	35	199	23	<5	<5	<10	242	1626	<2	37	<10	6	44
99372	CL205069	<0.005	<1	3.80	20	255	<2	2	1.81	<4	7	35	18	2.08	0.73	10	0.33	253	3	37	212	22	<5	9	<10	235	1505	<2	30	<10	7	23
99373	CL205070	<0.005	<1	4.19	22	237	<2	2	1.83	<4	8	28	18	2.15	0.68	11	0.34	258	2	31	214	20	<5	15	<10	248	1382	<2	28	<10	6	28
99374	CL205071	<0.005	<1	4.02	22	282	<2	2	2.08	<4	8	45	39	2.28	0.72	17	0.29	292	4	39	200	30	<5	10	<10	284	1507	<2	30	<10	5	30
99375D	CL205071	<0.005	<1	1.48	16	201	<2	<1	1.61	<4	7	31	38	2.12	0.45	14	0.24	272	2	39	211	24	<5	11	<10	268	1421	<2	29	<10	5	25
99376	CL205072	<0.005	<1	1.34	22	188	<2	3	1.26	<4	9	27	40	1.91	0.52	15	0.24	257	3	32	258	22	<5	<5	<10	261	1394	<2	27	<10	6	31

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Date Received: 11/01/2013  
 Date Completed: 11/14/2013  
 Job #: 201310898  
 Reference: CL sample series  
 Sample #: 96

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99377	CL205073	<0.005	<1	0.56	14	84	<2	2	0.85	<4	7	26	33	1.62	0.28	10	0.22	210	1	32	247	20	<5	9	<10	248	1157	<2	23	<10	7	27
99378	CL205074	<0.005	<1	1.96	10	94	<2	2	0.83	<4	7	30	25	1.73	<0.01	9	0.28	213	3	44	313	18	5	8	<10	234	1263	<2	25	<10	7	28
99379	CL205075	<0.005	<1	0.03	18	194	<2	2	1.08	<4	8	38	44	2.01	0.38	10	0.25	253	3	37	232	24	7	7	<10	261	1434	<2	30	<10	6	48
99380	CL205076	0.057	<1	0.37	27	418	<2	2	1.31	<4	8	28	58	2.16	0.48	13	0.29	257	3	32	237	29	<5	<5	<10	189	1597	<2	30	<10	7	54
99381	CL205077	<0.005	<1	<0.01	19	141	<2	<1	0.99	<4	7	34	33	1.89	0.44	7	0.22	248	2	45	170	25	<5	6	<10	244	1318	<2	28	<10	6	44

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 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310899  
 Reference: CL sample series  
 Sample #: 139

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99382	CL205078	0.021	<1	>10.00	33	496	2	24	1.90	<4	7	9	44	1.61	0.36	19	0.38	224	<1	14	266	20	<5	34	<10	176	1618	<2	23	<10	30	39
99383	CL205079	<0.005	<1	9.89	28	339	2	24	1.71	<4	4	<1	24	1.44	2.11	8	0.32	223	<1	12	235	18	<5	24	<10	172	1420	<2	20	<10	30	38
99384	CL205080	<0.005	<1	>10.00	24	376	2	27	1.75	<4	7	1	26	1.66	2.64	6	0.37	248	<1	15	267	19	<5	39	<10	198	1585	<2	22	<10	29	39
99385	CL205081	<0.005	<1	>10.00	16	332	2	22	1.75	<4	7	4	26	1.57	0.79	12	0.36	259	<1	15	247	17	<5	19	<10	199	1512	<2	21	<10	27	42
99386	CL205082	<0.005	<1	>10.00	19	386	2	18	1.99	<4	7	9	26	1.58	<0.01	20	0.35	233	1	15	241	22	<5	43	<10	222	1563	<2	20	10	32	37
99387	CL205083	<0.005	<1	4.48	20	366	<2	23	1.62	<4	5	12	19	1.56	<0.01	13	0.25	245	<1	15	181	21	<5	25	<10	197	1442	<2	20	<10	22	47
99388	CL205084	<0.005	<1	1.38	18	396	<2	20	1.29	<4	5	10	16	1.43	<0.01	20	0.21	206	<1	12	148	21	<5	17	<10	163	1238	<2	21	<10	15	39
99389	CL205085	<0.005	<1	<0.01	13	372	<2	19	1.13	<4	5	10	15	1.42	0.25	7	0.16	199	<1	13	138	27	<5	17	<10	149	1204	<2	20	<10	12	35
99390	CL205086	<0.005	<1	<0.01	8	378	<2	19	1.51	<4	10	15	17	1.73	<0.01	20	0.19	287	<1	15	199	26	<5	25	<10	161	1471	<2	26	<10	10	46
99391	CL205087	<0.005	<1	2.24	15	415	<2	21	1.29	<4	8	12	14	1.69	<0.01	23	0.27	320	<1	16	275	30	<5	16	<10	160	1742	<2	27	<10	10	44
99392D	CL205087	<0.005	<1	1.80	16	351	<2	24	1.17	<4	7	13	13	1.73	0.10	9	0.28	325	<1	15	210	26	<5	23	12	149	1675	<2	27	<10	11	38
99393	CL205088	<0.005	<1	9.47	18	540	3	24	4.13	<4	25	34	22	5.03	0.56	41	1.45	809	<1	48	1522	28	7	30	<10	595	6249	<2	122	<10	35	109
99394	CL205089	<0.005	<1	>10.00	23	363	<2	21	1.64	<4	6	11	22	1.46	0.86	10	0.35	266	<1	16	305	18	<5	34	<10	166	1629	<2	21	<10	21	32
99395	CL205090	<0.005	<1	>10.00	21	364	2	24	2.10	<4	8	9	21	2.06	1.19	10	0.48	349	<1	21	358	22	<5	26	<10	193	1935	<2	29	<10	22	45
99396	CL205091	<0.005	<1	8.79	17	337	2	26	1.72	<4	8	4	11	1.61	2.89	6	0.40	296	<1	19	320	16	<5	29	<10	170	1666	<2	24	<10	18	37
99397	CL205092	<0.005	<1	9.94	21	334	2	22	1.85	<4	6	12	13	1.75	0.17	10	0.44	265	<1	23	359	22	<5	33	<10	198	1860	<2	29	<10	20	43
99398	CL205093	<0.005	<1	>10.00	27	271	2	28	2.00	<4	10	36	11	2.05	0.24	15	0.48	278	<1	40	368	25	<5	38	10	253	1924	<2	30	<10	21	57
99399	CL205094	<0.005	<1	7.18	21	285	<2	20	2.11	<4	9	20	15	2.01	<0.01	18	0.40	272	<1	22	284	18	<5	29	13	256	1838	<2	28	<10	18	90
99400	CL205095	<0.005	<1	1.07	16	263	<2	22	2.15	<4	9	19	21	2.11	<0.01	15	0.34	321	<1	26	261	29	<5	20	<10	245	1822	<2	31	<10	13	54
99401	CL205096	<0.005	<1	<0.01	19	237	<2	14	1.60	<4	9	27	9	2.07	0.13	16	0.27	287	<1	23	232	17	<5	21	<10	229	1842	<2	33	<10	11	44

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 Reference: CL sample series  
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99402	CL205097	<0.005	<1	0.59	22	431	<2	16	1.19	<4	7	12	44	2.03	0.25	9	0.29	297	<1	21	251	21	<5	10	<10	146	1806	<2	32	12	9	42
99403D	CL205097	<0.005	<1	0.59	19	465	2	22	1.32	<4	8	16	44	2.06	0.20	19	0.30	303	<1	22	273	26	<5	18	10	152	1889	<2	34	<10	9	46
99404	CL205098	<0.005	<1	3.89	17	399	<2	16	2.15	<4	9	19	10	2.01	1.92	19	0.43	364	<1	23	287	26	<5	30	<10	206	2047	<2	37	<10	14	46
99405	CL205099	<0.005	<1	>10.00	18	429	2	27	2.21	<4	10	18	9	2.33	0.55	24	0.64	350	2	27	405	26	5	43	21	226	2307	<2	36	<10	24	57
99406	CL205100	<0.005	<1	>10.00	22	370	2	24	2.45	<4	11	18	15	2.28	0.32	38	0.61	353	1	31	399	22	<5	28	11	271	2268	<2	37	<10	25	63
99407	CL205101	1.029	<1	>10.00	688	433	4	22	5.68	<4	45	184	83	8.78	0.65	44	3.52	2176	<1	138	1915	23	5	22	<10	443	8318	<2	150	<10	23	132
99408	CL205102	<0.005	<1	>10.00	19	342	2	25	2.34	<4	10	16	18	2.03	0.21	30	0.55	299	<1	24	373	24	<5	40	<10	254	2070	<2	33	<10	24	57
99409	CL205103	<0.005	<1	>10.00	17	385	2	26	2.00	<4	9	15	15	1.98	0.24	24	0.52	316	<1	25	348	25	<5	14	<10	213	2005	<2	31	<10	24	49
99410	CL205104	<0.005	<1	8.89	20	350	<2	27	2.23	<4	10	21	14	2.11	<0.01	23	0.53	317	<1	27	341	20	8	38	<10	272	2126	<2	36	<10	20	143
99411	CL205105	<0.005	<1	8.40	21	419	<2	28	2.66	<4	19	192	32	3.74	0.67	28	1.72	528	2	66	657	23	<5	27	10	240	2903	<2	63	<10	20	134
99412	CL205106	<0.005	<1	>10.00	21	494	2	15	2.60	<4	10	21	37	1.72	0.35	28	0.53	367	2	25	331	16	<5	29	<10	221	2139	<2	32	<10	23	82
99413	CL205107	<0.005	<1	6.29	15	253	<2	15	1.16	<4	6	10	24	1.03	0.10	16	0.27	158	<1	13	190	9	<5	23	<10	101	1076	<2	17	<10	14	57
99414D	CL205107	<0.005	<1	7.07	23	462	2	16	2.00	<4	9	19	46	2.07	<0.01	28	0.38	318	<1	23	215	30	<5	18	11	194	2038	<2	32	10	18	63
99415	CL205108	<0.005	<1	9.40	13	442	2	26	2.50	<4	6	16	44	0.75	<0.01	16	0.17	239	<1	22	131	18	<5	27	<10	185	1187	<2	11	10	19	28
99416	CL205109	<0.005	<1	5.51	26	466	<2	20	1.81	<4	10	21	21	1.92	0.38	20	0.37	345	1	33	216	22	<5	30	<10	172	1813	<2	29	<10	18	42
99417	CL205110	<0.005	2	1.87	20	395	<2	19	1.47	<4	3	15	61	0.60	0.20	1	0.09	119	<1	16	<100	27	5	19	<10	163	716	<2	9	<10	6	23
99418	CL205111	<0.005	<1	1.69	11	385	<2	12	1.26	<4	9	24	9	1.79	0.41	6	0.32	287	<1	33	281	19	<5	12	<10	169	1917	<2	34	<10	13	38
99419	CL205112	<0.005	<1	0.69	21	402	<2	23	1.17	<4	8	24	19	2.00	0.38	3	0.33	272	<1	36	265	22	<5	6	<10	165	1915	<2	35	<10	10	38
99420	CL205113	<0.005	<1	1.01	15	466	3	20	3.37	<4	24	62	22	4.79	0.29	21	0.90	779	9	111	1230	32	<5	14	<10	511	5473	<2	116	<10	18	100
99421	CL205114	0.022	<1	5.17	19	346	<2	16	1.71	<4	10	33	49	2.04	<0.01	6	0.46	349	3	54	352	22	6	25	<10	190	2074	<2	38	<10	15	58

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Gogama, ON, CAN  
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 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310899  
 Reference: CL sample series  
 Sample #: 139

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99422	CL205115	<0.005	<1	7.55	18	303	2	24	2.18	<4	10	35	9	2.56	0.20	12	0.55	359	3	60	330	23	5	20	<10	265	2355	<2	42	<10	20	59
99423	CL205116	<0.005	<1	>10.00	22	401	2	21	2.49	<4	12	21	9	2.27	<0.01	25	0.63	355	1	28	415	22	6	37	<10	256	2346	<2	39	<10	23	47
99424	CL205117	<0.005	<1	>10.00	18	354	2	26	3.55	<4	13	21	23	2.83	0.21	23	0.82	549	<1	30	424	21	<5	34	<10	242	2490	<2	44	<10	26	50
99425D	CL205117	<0.005	<1	>10.00	22	428	2	24	3.96	<4	12	20	24	2.93	0.43	27	0.84	567	1	32	429	19	<5	36	14	258	2610	<2	46	14	27	52
99426	CL205118	<0.005	<1	>10.00	26	378	2	28	2.62	<4	10	24	13	2.60	0.17	19	0.73	408	<1	36	434	27	<5	31	<10	217	2476	<2	42	13	25	45
99427	CL205119	<0.005	<1	>10.00	15	353	<2	19	2.51	<4	11	23	13	2.32	<0.01	14	0.61	380	<1	29	340	23	<5	25	<10	215	2172	<2	38	<10	20	55
99428	CL205120	<0.005	<1	6.61	23	382	<2	19	2.12	<4	8	29	12	2.18	0.13	17	0.47	325	<1	31	291	19	<5	15	<10	252	2255	<2	38	<10	20	48
99429	CL205121	0.012	<1	2.40	19	329	<2	17	1.99	<4	10	22	18	2.44	<0.01	18	0.43	346	<1	28	259	25	<5	15	<10	240	2139	<2	40	<10	15	47
99430	CL205122	<0.005	<1	<0.01	17	284	<2	20	1.53	<4	9	23	34	2.08	0.55	14	0.30	294	<1	31	223	30	<5	11	<10	224	1966	<2	36	<10	11	43
99431	CL205123	<0.005	<1	0.42	13	288	<2	25	1.58	<4	11	24	14	2.43	0.23	16	0.33	356	1	36	285	23	<5	38	<10	217	2272	<2	41	<10	11	52
99432	CL205124	<0.005	<1	<0.01	15	268	<2	21	2.37	<4	7	19	13	1.77	0.39	8	0.27	268	<1	27	232	21	<5	20	<10	190	1705	<2	37	<10	9	41
99433	CL205125	<0.005	<1	0.08	15	575	<2	25	1.29	<4	8	19	25	1.70	<0.01	8	0.30	289	<1	26	279	18	<5	15	<10	195	1932	<2	36	<10	9	37
99434	CL205126	2.232	<1	6.32	849	292	2	24	4.75	<4	42	181	96	8.41	0.21	23	2.93	1774	<1	133	1512	28	6	5	<10	391	7445	<2	138	<10	17	119
99435	CL205127	0.007	<1	>10.00	36	429	2	27	2.13	<4	10	18	20	1.93	0.22	20	0.72	316	<1	26	401	26	5	19	<10	288	2316	<2	44	10	23	43
99436D	CL205127	<0.005	<1	>10.00	22	511	3	29	2.50	<4	10	18	23	2.10	0.79	15	0.79	340	<1	27	437	22	<5	26	<10	316	2495	<2	47	<10	25	46
99437	CL205128	<0.005	<1	>10.00	25	432	2	24	2.86	<4	11	22	11	2.57	1.02	26	0.70	343	<1	33	438	27	<5	32	<10	284	2577	<2	45	13	27	62
99438	CL205129	0.055	<1	>10.00	14	435	3	27	2.44	<4	12	23	255	3.37	0.36	16	0.72	423	<1	36	421	26	<5	16	<10	238	2544	<2	44	<10	25	49
99439	CL205130	<0.005	<1	8.53	16	199	<2	21	1.58	<4	8	12	12	1.73	1.19	2	0.45	261	<1	21	329	21	<5	31	<10	219	1798	<2	28	<10	17	35
99440	CL205131	<0.005	<1	6.96	18	464	<2	25	2.23	<4	10	20	18	2.28	<0.01	14	0.48	359	<1	28	308	22	7	28	<10	234	2353	<2	39	<10	17	52
99441	CL205132	<0.005	<1	0.91	17	336	<2	19	2.11	<4	10	25	10	2.34	<0.01	17	0.32	345	1	31	188	31	<5	11	<10	266	2071	<2	38	<10	9	68

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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99442	CL205133	0.058	<1	<0.01	19	354	2	21	1.98	<4	11	25	35	2.39	<0.01	15	0.32	351	<1	37	197	32	<5	8	<10	234	2011	<2	40	<10	8	54
99443	CL205134	<0.005	<1	0.67	19	463	<2	19	1.34	<4	11	17	42	2.08	0.50	12	0.34	298	<1	23	280	23	<5	13	<10	164	2058	<2	37	<10	10	38
99444	CL205135	<0.005	<1	2.39	18	451	<2	24	2.01	<4	9	21	21	2.08	0.04	21	0.36	381	<1	25	293	26	<5	11	<10	183	2015	<2	36	<10	13	44
99445	CL205136	<0.005	<1	3.52	21	329	<2	19	1.53	<4	5	23	11	1.71	<0.01	16	0.36	257	<1	24	297	21	<5	17	<10	200	1867	<2	32	<10	11	38
99446	CL205137	<0.005	<1	6.08	19	328	<2	21	2.51	<4	12	23	11	2.24	0.13	27	0.53	351	<1	31	303	21	<5	30	<10	240	2140	<2	38	10	17	48
99447R	CL205137	<0.005	<1	5.94	25	380	2	20	2.96	<4	12	23	12	2.35	0.74	36	0.69	361	2	31	429	23	<5	40	<10	260	2407	<2	41	<10	25	54
99448	CL205138	<0.005	<1	>10.00	23	568	4	26	4.40	<4	24	36	23	5.16	0.99	33	1.58	843	3	51	1603	31	<5	25	<10	582	6370	<2	124	<10	41	112
99449	CL205139	<0.005	<1	>10.00	21	313	2	25	2.66	<4	8	22	10	2.33	0.94	17	0.62	291	<1	35	415	24	<5	20	<10	293	2241	<2	38	<10	23	48
99450	CL205140	0.083	<1	>10.00	26	478	2	22	2.66	<4	11	23	38	2.28	0.71	25	0.60	327	<1	30	397	16	<5	20	<10	224	2327	<2	38	<10	23	44
99451	CL205141	<0.005	<1	>10.00	29	488	2	21	2.49	<4	8	28	19	2.18	0.91	23	0.57	320	1	39	374	23	<5	35	<10	212	2226	<2	37	<10	21	44
99452	CL205142	<0.005	<1	5.62	16	476	2	26	2.30	<4	11	28	27	2.33	0.10	15	0.54	353	2	40	277	24	<5	16	10	202	2167	<2	40	<10	19	45
99453	CL205143	0.013	<1	<0.01	13	320	<2	20	2.03	<4	9	31	15	2.10	0.19	6	0.33	301	2	49	195	26	<5	15	10	236	1908	<2	37	<10	13	38
99454	CL205144	<0.005	<1	<0.01	16	316	<2	17	2.00	<4	9	31	10	2.14	<0.01	<1	0.24	278	2	40	182	24	<5	10	<10	259	1847	<2	35	<10	7	45
99455	CL205145	<0.005	<1	<0.01	22	239	2	24	1.58	<4	9	23	12	1.81	0.23	<1	0.26	239	<1	32	223	25	<5	18	<10	247	1745	<2	33	<10	7	39
99456	CL205146	<0.005	<1	2.66	22	148	<2	16	1.54	<4	7	28	13	1.28	0.10	<1	0.31	214	<1	58	237	27	<5	32	<10	203	1083	<2	23	<10	7	58
99457	CL205147	<0.005	<1	3.98	20	216	2	20	1.30	<4	10	31	7	1.93	0.28	<1	0.50	233	3	53	294	23	<5	16	10	247	1792	<2	39	<10	13	46
99458D	CL205147	<0.005	<1	4.42	22	257	<2	18	1.62	<4	10	35	7	2.13	0.22	4	0.54	255	3	55	276	28	<5	19	<10	269	1951	<2	42	<10	14	51
99459	CL205148	0.009	<1	>10.00	23	373	<2	23	2.19	<4	10	25	11	2.20	0.73	12	0.79	273	2	39	395	25	<5	27	10	180	1957	<2	40	<10	23	32
99460	CL205149	0.202	<1	>10.00	20	313	2	20	2.82	<4	18	94	126	3.37	0.86	17	1.59	428	2	66	343	23	<5	46	<10	183	1930	<2	65	<10	21	58
99461	CL205150	0.011	<1	>10.00	18	389	2	19	2.41	<4	9	33	65	2.06	0.98	9	1.02	336	<1	49	396	13	<5	39	<10	198	1940	<2	43	<10	21	39

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99462	CL205151	0.189	<1	>10.00	30	858	4	22	3.16	<4	19	86	2569	4.09	0.49	7	1.41	521	49	41	986	55	<5	33	11	394	4596	<2	115	<10	25	89
99463	CL205152	<0.005	<1	>10.00	21	437	2	22	1.92	<4	7	26	37	2.12	<0.01	10	0.98	244	<1	41	438	24	<5	35	<10	193	1948	<2	42	<10	21	40
99464	CL205153	<0.005	<1	>10.00	18	405	<2	20	2.06	<4	8	26	16	1.66	<0.01	12	0.70	210	1	43	366	15	<5	39	<10	197	1692	<2	34	<10	19	33
99465	CL205154	<0.005	<1	0.86	15	457	<2	22	2.17	<4	13	27	29	2.60	0.06	8	0.42	379	2	36	224	26	<5	27	<10	199	2296	<2	46	<10	13	50
99466	CL205155	0.922	<1	<0.01	24	433	<2	20	2.20	<4	19	28	153	2.82	0.31	20	0.43	416	1	36	268	35	<5	13	<10	206	2288	<2	47	<10	10	51
99467	CL205156	<0.005	<1	<0.01	13	199	<2	17	1.56	<4	12	24	11	2.11	0.51	2	0.36	318	<1	28	266	25	<5	22	<10	236	1982	<2	39	<10	10	44
99468	CL205157	<0.005	<1	1.85	15	285	<2	27	1.57	<4	10	25	11	2.11	0.25	11	0.40	314	<1	27	318	22	<5	18	<10	244	2094	<2	40	<10	11	43
99469D	CL205157	<0.005	<1	1.81	20	285	<2	23	1.51	<4	9	25	11	2.11	0.10	<1	0.40	320	<1	31	329	25	7	7	<10	241	2085	<2	40	<10	11	43
99470	CL205158	<0.005	<1	9.68	29	286	<2	24	2.46	<4	11	28	26	2.47	0.23	18	0.56	335	2	32	353	22	<5	10	10	289	2257	<2	39	<10	19	50
99471	CL205159	<0.005	<1	>10.00	25	412	2	23	2.81	<4	10	23	25	2.63	0.37	21	0.67	395	<1	27	417	25	8	41	<10	234	2240	<2	38	11	23	48
99472	CL205160	<0.005	<1	>10.00	10	460	<2	25	2.56	<4	11	28	10	2.53	0.65	24	0.72	422	2	35	418	18	5	35	10	223	2398	<2	42	<10	26	44
99473	CL205161	<0.005	<1	>10.00	23	419	2	26	2.70	<4	12	36	12	2.83	0.77	23	0.80	352	3	49	435	25	<5	39	14	266	2720	<2	54	<10	32	49
99474	CL205162	0.010	<1	>10.00	26	425	2	23	2.44	<4	10	27	35	2.14	1.12	11	0.56	308	1	33	387	26	<5	43	<10	215	2161	<2	36	<10	21	45
99475	CL205163	<0.005	<1	>10.00	19	684	4	25	4.31	<4	24	87	25	5.06	0.22	46	1.32	778	18	123	1374	31	8	31	14	577	5687	<2	114	<10	33	103
99476	CL205164	0.014	<1	>10.00	17	351	2	26	2.85	<4	13	33	18	2.65	0.57	27	0.74	333	2	38	358	32	5	34	10	301	2553	<2	53	<10	23	90
99477	CL205165	<0.005	<1	>10.00	29	322	2	28	3.07	<4	13	33	23	2.71	0.90	28	0.85	335	1	40	424	25	<5	24	<10	321	2713	<2	56	12	23	65
99478	CL205166	<0.005	<1	>10.00	20	368	2	21	2.79	<4	14	38	11	3.18	0.91	23	0.98	369	2	52	388	28	<5	40	<10	331	2838	<2	62	<10	24	62
99479	CL205167	<0.005	<1	9.86	23	293	2	24	4.12	<4	12	22	10	2.43	1.61	18	0.76	546	<1	35	320	15	<5	25	<10	291	2361	<2	48	10	20	55
99480D	CL205167	<0.005	<1	>10.00	22	358	2	26	4.59	<4	11	27	10	2.57	0.91	23	0.81	581	2	34	362	25	<5	29	<10	313	2506	<2	51	<10	21	54
99481	CL205168	<0.005	<1	7.61	20	155	<2	20	1.56	<4	11	16	16	2.25	0.27	<1	0.68	303	<1	27	331	13	<5	31	<10	224	2009	<2	39	<10	18	42

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By:   
 Dr. David Brown, VP Quality

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Thursday, November 21, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
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 Ph#: (416) 363-8567  
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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310899  
 Reference: CL sample series  
 Sample #: 139

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99482	CL205169	<0.005	<1	5.11	24	213	<2	19	2.40	<4	10	24	15	1.99	0.35	1	0.45	347	<1	36	220	17	<5	15	<10	260	1960	<2	38	<10	12	37
99483	CL205170	<0.005	<1	4.35	14	430	<2	24	2.22	<4	11	24	25	2.66	0.72	<1	0.59	411	<1	32	241	21	<5	25	<10	213	2422	<2	53	<10	12	46
99484	CL205171	<0.005	<1	0.52	16	285	<2	19	2.24	<4	13	26	7	2.49	0.62	<1	0.42	398	<1	35	197	24	<5	21	<10	243	2404	<2	53	<10	9	50
99485	CL205172	<0.005	<1	<0.01	16	325	<2	21	1.46	<4	10	20	16	2.21	0.57	<1	0.30	321	<1	27	198	22	<5	13	<10	191	2085	<2	46	<10	6	38
99486	CL205173	<0.005	<1	2.44	11	109	<2	18	1.64	<4	11	20	8	2.40	0.21	<1	0.49	380	<1	32	280	20	<5	18	<10	227	2294	<2	49	<10	11	42
99487	CL205174	0.005	<1	0.08	12	294	<2	23	1.80	<4	13	22	24	2.54	0.30	<1	0.38	370	<1	31	260	23	<5	19	<10	192	2117	<2	48	<10	9	40
99488	CL205175	<0.005	<1	>10.00	24	488	<2	22	3.79	<4	10	26	27	2.08	0.45	22	0.61	341	2	31	353	24	<5	24	<10	257	2449	<2	51	<10	18	40
99489	CL205176	1.490	<1	>10.00	23	585	3	28	3.34	<4	23	50	11318	7.52	0.23	38	1.82	576	596	25	1035	46	10	37	22	553	3330	<2	163	<10	17	120
99490	CL205177	<0.005	<1	>10.00	15	332	2	24	2.82	<4	13	24	163	3.05	0.48	20	0.99	463	6	36	437	26	<5	32	12	307	2786	<2	61	<10	23	54
99491D	CL205177	<0.005	<1	>10.00	9	315	2	19	2.84	<4	14	24	33	3.18	0.80	18	1.03	489	<1	38	454	13	<5	30	<10	310	2889	<2	63	<10	24	57
99492	CL205178	<0.005	<1	>10.00	29	345	3	20	3.02	<4	18	29	35	3.37	0.11	23	1.03	490	<1	39	462	22	<5	43	11	314	2844	<2	62	<10	24	60
99493	CL205179	<0.005	<1	>10.00	14	270	<2	22	2.81	<4	14	27	36	2.89	1.03	15	0.92	436	<1	42	408	27	<5	16	<10	282	2851	<2	61	<10	22	66
99494	CL205180	<0.005	<1	7.32	18	412	2	23	2.77	<4	10	26	59	2.90	1.09	11	0.70	456	<1	38	314	17	<5	23	<10	205	2572	<2	57	<10	18	51
99495	CL205181	0.494	<1	2.87	19	314	<2	18	2.28	<4	12	21	221	2.51	0.01	17	0.45	357	<1	33	174	50	6	23	<10	189	2124	<2	46	<10	9	114
99496	CL205182	<0.005	<1	<0.01	10	405	<2	24	2.45	<4	13	25	14	2.63	0.37	12	0.30	426	<1	33	149	28	<5	21	<10	218	2288	<2	54	<10	7	46
99497	CL205183	0.024	<1	<0.01	13	218	<2	26	2.14	<4	14	31	17	2.57	0.47	6	0.31	371	<1	46	202	26	<5	27	<10	258	2260	<2	51	<10	7	47
99498	CL205184	<0.005	<1	<0.01	15	142	<2	20	1.78	<4	10	23	8	2.25	0.10	1	0.28	299	<1	33	202	19	<5	18	<10	239	2048	<2	44	<10	7	40
99499	CL205185	<0.005	<1	0.56	7	151	<2	18	2.00	<4	11	52	7	2.61	0.11	10	0.40	380	2	74	261	26	<5	18	<10	245	2267	<2	53	<10	9	45
99500	CL205186	0.006	<1	9.39	23	229	<2	25	2.38	<4	13	41	25	2.53	<0.01	30	0.69	333	3	56	315	15	6	35	13	267	2377	<2	48	10	17	39
99501	CL205187	0.079	<1	>10.00	21	204	2	31	2.85	<4	14	52	11	3.02	0.28	23	0.88	418	5	85	393	22	<5	21	<10	293	2649	<2	58	<10	22	49

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By:   
 Dr. David Brown, VP Quality

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Thursday, November 21, 2013


### Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
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 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310899  
 Reference: CL sample series  
 Sample #: 139

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99502D	CL205187	0.084	<1	9.95	16	127	2	23	2.45	<4	13	44	10	2.90	1.03	15	0.86	401	3	79	408	20	<5	36	<10	274	2517	<2	55	<10	22	45
99503	CL205188	<0.005	<1	>10.00	17	557	4	26	4.37	<4	27	127	25	6.40	1.32	17	1.70	942	26	286	1741	30	6	24	<10	621	6635	<2	144	11	43	115
99504	CL205189	<0.005	<1	>10.00	23	288	2	22	2.65	<4	12	51	8	2.78	<0.01	29	0.86	439	4	73	428	23	<5	33	<10	248	2626	<2	54	<10	22	46
99505	CL205190	<0.005	<1	9.03	17	288	<2	16	2.20	<4	11	57	21	2.60	1.13	<1	0.71	340	6	76	301	17	<5	19	<10	252	2259	<2	45	<10	19	44
99506	CL205191	<0.005	<1	<0.01	14	33	<2	17	0.82	<4	7	28	7	1.87	<0.01	<1	0.35	278	<1	47	117	14	<5	5	<10	150	1572	<2	36	<10	8	32
99507	CL205192	0.026	<1	0.57	22	507	<2	16	2.42	<4	28	37	130	3.61	0.07	16	0.43	392	<1	43	213	24	<5	23	12	154	1863	<2	54	<10	8	39
99508	CL205193	0.015	<1	<0.01	17	346	<2	20	2.15	<4	6	41	21	2.21	0.23	10	0.28	366	2	51	148	21	<5	14	<10	152	1617	<2	38	<10	6	28
99509	CL205194	<0.005	<1	<0.01	34	530	<2	18	1.67	<4	67	38	85	4.71	0.22	22	0.37	288	16	50	184	49	<5	9	<10	131	1244	<2	43	<10	7	66
99510	CL205195	<0.005	<1	<0.01	11	278	2	21	2.05	<4	9	59	15	2.38	0.50	<1	0.20	407	6	94	192	25	<5	<5	<10	156	1937	<2	43	<10	7	33
99511	CL205196	<0.005	<1	<0.01	18	335	<2	23	1.42	<4	7	32	12	2.03	0.27	3	0.23	272	<1	34	193	27	<5	19	<10	168	1853	<2	37	<10	7	32
99512	CL205197	<0.005	<1	6.90	15	376	<2	21	2.20	<4	9	46	20	2.33	0.45	6	0.35	323	3	58	173	29	<5	18	<10	161	1611	<2	41	<10	9	32
99513R	CL205197	<0.005	<1	6.73	23	389	<2	22	2.52	<4	7	49	24	2.33	0.87	4	0.48	340	4	48	238	23	7	27	<10	166	1645	<2	39	<10	15	32
99514	CL205198	<0.005	<1	>10.00	23	430	<2	21	2.93	<4	12	39	20	2.69	0.86	17	0.86	337	2	38	407	19	<5	36	11	176	1402	<2	50	<10	20	43
99515	CL205199	<0.005	<1	>10.00	21	372	2	22	2.83	<4	12	44	25	2.34	0.24	11	0.96	317	1	35	392	27	7	20	<10	172	1119	<2	49	<10	20	42
99516	CL205200	<0.005	<1	6.29	16	1	<2	25	6.84	<4	23	266	14	4.63	1.60	15	2.84	744	<1	106	180	21	<5	12	<10	118	689	<2	117	<10	15	87
99517	CL205201	1.004	<1	8.76	741	347	2	28	5.49	<4	45	202	86	9.23	0.59	15	3.49	2285	<1	144	1875	15	7	6	10	444	8257	<2	157	<10	22	131
99518	CL205202	0.005	<1	5.50	16	250	<2	19	1.77	<4	10	40	57	2.21	0.03	<1	0.75	213	<1	63	248	14	<5	29	<10	175	1202	<2	58	<10	15	43
99519	CL205203	<0.005	<1	0.92	15	124	<2	18	1.54	<4	10	46	20	2.51	0.08	<1	0.48	236	3	73	212	15	<5	17	<10	187	1163	<2	47	<10	9	39
99520	CL205204	<0.005	<1	<0.01	10	84	<2	18	1.44	<4	10	33	11	2.41	0.64	<1	0.37	294	<1	44	177	15	<5	18	<10	187	1779	<2	46	<10	8	34
99521	CL205205	<0.005	<1	<0.01	14	208	<2	22	1.42	<4	10	35	8	2.29	0.33	<1	0.38	280	<1	38	204	14	<5	11	<10	158	1804	<2	46	<10	7	33

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By:   
 Dr. David Brown, VP Quality

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Thursday, November 21, 2013


## Final Certificate

 Iamgold  
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 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310899  
 Reference: CL sample series  
 Sample #: 139

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99522	CL205206	<0.005	<1	0.29	18	228	<2	24	2.01	<4	11	45	10	2.26	0.55	2	0.35	387	2	48	235	21	<5	16	<10	177	1985	<2	45	<10	8	36
99523	CL205207	<0.005	<1	0.40	20	253	<2	23	1.95	<4	11	53	15	2.66	0.26	4	0.49	391	3	61	304	24	<5	14	<10	194	2241	<2	51	<10	9	41
99524D	CL205207	<0.005	<1	0.46	15	277	<2	22	2.11	<4	12	55	14	2.59	0.17	7	0.46	389	3	53	216	23	<5	16	<10	193	2122	<2	52	<10	8	43
99525	CL205208	<0.005	<1	0.62	19	189	<2	19	1.77	<4	10	55	11	2.77	0.57	5	0.41	367	3	57	190	22	<5	<5	<10	222	2295	<2	53	<10	9	44
99526	CL205209	0.036	<1	4.87	23	332	<2	25	2.03	<4	11	55	316	2.99	0.31	14	0.57	391	3	50	232	24	<5	15	<10	213	2358	<2	54	<10	12	43
99527	CL205210	<0.005	<1	9.47	16	245	2	26	2.11	<4	10	51	35	2.96	0.42	12	0.81	421	4	62	385	19	<5	22	<10	203	2490	<2	52	<10	22	41
99528	CL205211	<0.005	<1	>10.00	23	301	2	21	2.37	<4	13	68	17	3.47	0.23	19	1.01	484	7	80	431	21	<5	16	<10	233	2832	<2	63	11	25	53
99529	CL205212	<0.005	<1	8.61	19	266	<2	27	2.44	<4	13	38	24	2.79	0.33	12	0.80	433	<1	49	348	21	<5	36	<10	203	2410	<2	51	<10	21	45
99530	CL205213	<0.005	<1	0.57	4	524	3	24	3.61	<4	24	56	25	5.51	1.58	10	0.96	886	4	69	1196	28	5	18	<10	561	5937	<2	131	<10	20	114
99531	CL205214	0.120	<1	<0.01	19	317	<2	20	1.86	<4	34	46	709	3.64	1.86	4	0.36	379	2	55	288	25	<5	11	<10	132	1594	<2	46	<10	7	40
99532	CL205215	<0.005	<1	<0.01	16	353	<2	18	2.32	<4	11	51	30	2.56	0.52	3	0.33	428	3	51	205	21	6	19	<10	171	2118	<2	50	<10	7	40
99533	CL205216	<0.005	<1	<0.01	15	261	<2	18	1.83	<4	12	40	24	2.17	0.46	2	0.27	380	<1	39	173	20	<5	11	<10	140	1826	<2	41	<10	6	33

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By:   
 Dr. David Brown, VP Quality

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Wednesday, November 27, 2013


## Final Certificate

 Iamgold  
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 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310900  
 Reference: CL sample series  
 Sample #: 144

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99534	CL178801	0.018	<1	3.18	7	205	<2	<1	1.69	<4	7	50	27	1.79	<0.01	6	0.33	268	<1	20	362	26	<5	<5	<10	321	1714	<2	29	<10	7	105
99535	CL178802	0.010	<1	3.80	7	234	<2	<1	1.42	<4	8	64	24	1.72	<0.01	15	0.37	251	<1	20	361	24	<5	9	<10	299	1691	<2	28	<10	8	61
99536	CL178803	0.005	<1	3.98	7	207	<2	<1	1.76	<4	9	61	22	1.92	<0.01	26	0.40	299	<1	19	386	29	<5	5	<10	340	1850	<2	31	<10	9	93
99537	CL178804	0.186	<1	6.10	26	882	3	14	2.75	5	22	86	2686	4.36	0.14	29	1.38	562	48	37	1119	44	<5	<5	<10	455	4785	<2	125	<10	24	79
99538	CL178805	<0.005	<1	4.74	5	20	<2	<1	1.42	<4	7	91	21	1.94	<0.01	<1	0.45	293	<1	21	381	24	<5	15	<10	327	1821	<2	30	<10	10	57
99539	CL178806	0.083	<1	6.04	9	451	<2	<1	1.91	<4	9	46	94	2.13	0.32	20	0.49	305	<1	15	412	21	<5	13	<10	254	1853	<2	31	10	9	70
99540	CL178807	0.114	<1	6.37	15	393	<2	<1	1.82	4	15	41	301	2.67	0.03	18	0.42	288	<1	14	383	47	<5	14	<10	216	1709	<2	29	18	9	106
99541	CL178808	0.005	<1	5.20	5	260	<2	<1	1.68	<4	6	41	23	1.69	0.09	14	0.39	278	<1	18	388	31	<5	7	<10	265	1714	<2	28	<10	9	65
99542	CL178809	0.057	<1	4.71	<2	175	<2	<1	1.58	<4	8	49	61	1.75	<0.01	9	0.37	246	<1	20	372	14	<5	18	<10	305	1752	<2	28	<10	9	56
99543	CL178810	0.422	<1	4.46	14	276	<2	11	1.55	<4	7	44	265	2.30	0.02	13	0.36	255	<1	18	367	25	<5	26	<10	299	1702	<2	29	40	10	50
99544D	CL178810	0.337	<1	4.20	5	249	<2	<1	1.43	<4	9	55	274	2.39	<0.01	<1	0.36	260	<1	17	364	19	<5	6	<10	295	1712	<2	29	33	10	51
99545	CL178811	0.006	<1	4.03	9	125	<2	<1	1.54	<4	9	71	25	1.69	0.22	6	0.34	242	1	17	366	22	<5	21	<10	384	1714	<2	28	<10	8	45
99546	CL178812	<0.005	<1	4.89	15	<1	<2	<1	4.79	6	30	415	19	5.09	0.45	73	4.07	968	<1	166	2995	26	<5	12	<10	266	2697	<2	100	14	13	238
99547	CL178813	<0.005	<1	5.22	3	144	<2	<1	2.14	<4	11	62	24	1.81	0.57	18	0.49	318	<1	18	429	26	<5	20	<10	375	1834	<2	31	<10	10	55
99548	CL178814	0.005	<1	4.43	5	256	<2	<1	2.01	<4	8	53	28	1.94	0.40	17	0.39	337	<1	19	385	25	<5	10	<10	324	1873	<2	31	<10	10	52
99549	CL178815	0.025	<1	6.88	7	186	<2	15	2.08	<4	8	54	21	2.07	0.35	19	0.47	351	<1	24	404	24	<5	17	<10	337	1863	<2	32	12	11	71
99550	CL178816	0.008	<1	9.49	9	622	3	<1	4.67	7	30	39	24	5.69	0.44	51	1.57	925	<1	32	1789	29	<5	<5	<10	730	6852	<2	140	<10	41	108
99551	CL178817	0.009	<1	6.96	10	264	<2	7	2.36	<4	9	91	25	2.03	0.46	22	0.44	331	4	24	416	22	<5	18	<10	368	1876	<2	31	<10	11	51
99552	CL178818	0.109	<1	<0.01	11	488	<2	<1	1.72	4	15	69	108	2.87	0.66	25	0.51	354	5	25	346	30	<5	14	<10	304	1592	<2	34	<10	7	46
99553	CL178819	0.005	<1	2.63	10	109	<2	<1	1.29	<4	8	83	16	1.89	0.63	19	0.37	296	<1	31	361	18	<5	13	<10	320	1669	<2	30	<10	8	50

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

 Certified By:   
 Dr. David Brown, VP Quality

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Wednesday, November 27, 2013


### Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 POM1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310900  
 Reference: CL sample series  
 Sample #: 144

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99554	CL178820	<0.005	<1	5.82	15	328	<2	<1	2.14	<4	11	59	18	1.57	0.08	17	0.47	304	1	25	430	20	<5	21	<10	318	1970	<2	33	10	9	55
99555D	CL178820	<0.005	<1	4.62	4	252	<2	1	1.79	<4	8	49	16	1.50	<0.01	6	0.45	294	1	24	406	26	<5	14	<10	300	1902	<2	31	<10	9	47
99556	CL178821	0.008	<1	4.73	4	476	<2	<1	2.71	<4	15	148	8	2.66	<0.01	41	1.26	397	<1	62	983	27	<5	13	<10	235	1744	<2	46	<10	10	91
99557	CL178822	0.022	<1	3.35	<2	190	<2	<1	1.52	<4	8	70	12	1.63	0.51	9	0.60	296	<1	30	531	31	<5	16	<10	281	1726	<2	33	<10	8	52
99558	CL178823	0.011	<1	8.50	13	311	<2	<1	2.37	<4	7	65	34	1.77	0.16	24	0.48	307	5	28	447	24	<5	21	<10	347	2016	<2	32	12	12	48
99559	CL178824	0.073	<1	7.88	12	270	<2	8	2.42	<4	8	68	24	1.92	0.11	24	0.44	309	2	23	412	23	<5	10	<10	360	1967	<2	32	13	11	60
99560	CL178825	0.035	<1	5.76	8	215	<2	13	2.18	<4	8	81	24	2.05	0.20	22	0.43	329	3	33	392	19	<5	24	23	358	2031	<2	34	<10	10	57
99561	CL178826	0.011	<1	5.41	<2	301	<2	6	2.79	<4	10	65	42	2.84	0.12	27	0.63	419	2	26	399	23	<5	25	<10	445	2512	<2	54	10	12	60
99562	CL178827	<0.005	<1	6.90	11	226	<2	<1	2.07	<4	10	162	10	2.01	0.08	14	0.44	274	5	31	391	19	<5	25	<10	382	1862	<2	31	<10	11	45
99563	CL178828	<0.005	<1	5.74	7	231	<2	<1	1.87	<4	7	64	7	1.85	0.37	7	0.40	268	1	29	382	24	10	<5	<10	357	1804	<2	31	11	9	51
99564	CL178829	0.072	<1	6.22	15	470	<2	4	1.43	4	16	48	268	2.83	<0.01	13	0.43	254	2	31	404	52	<5	15	<10	216	1826	<2	32	14	9	118
99565	CL178830	0.006	<1	3.18	4	115	<2	4	1.16	<4	8	65	29	1.56	0.06	5	0.37	222	<1	25	350	16	<5	12	<10	314	1666	<2	29	<10	8	29
99566D	CL178830	0.005	<1	4.16	14	184	<2	13	1.32	<4	7	70	27	1.47	0.42	<1	0.37	213	<1	25	376	23	<5	21	<10	315	1632	<2	29	<10	9	32
99567	CL178831	1.534	<1	3.78	6	331	<2	6	2.02	9	24	39	12183	7.05	0.32	10	1.60	551	535	22	1019	41	6	18	15	546	3079	<2	158	12	14	99
99568	CL178832	0.015	83	3.79	4	100	<2	<1	3.52	<4	11	84	169	1.63	<0.01	7	0.57	389	2	59	430	24	<5	14	<10	282	1406	<2	31	296	9	21
99569	CL178833	0.005	<1	4.24	<2	178	<2	<1	1.28	<4	15	104	19	2.77	<0.01	19	1.03	380	<1	37	612	25	<5	18	<10	308	2290	<2	60	11	10	59
99570	CL178834	<0.005	<1	6.31	13	264	<2	<1	1.86	<4	10	84	21	1.91	0.34	3	0.43	280	3	36	413	20	<5	10	<10	434	1855	<2	31	10	10	30
99571	CL178835	<0.005	<1	7.09	11	212	2	2	2.06	<4	13	93	44	1.84	0.54	4	0.54	311	3	37	413	21	<5	15	<10	457	1817	<2	35	<10	10	52
99572	CL178836	<0.005	<1	8.21	8	409	2	1	5.71	10	42	402	50	7.85	0.34	66	3.54	1178	<1	70	2159	25	<5	<5	<10	611	5720	<2	187	12	23	152
99573	CL178837	0.007	<1	9.72	19	330	2	7	7.70	7	43	315	114	6.37	0.67	36	3.00	871	<1	53	2357	28	<5	9	<10	676	6189	<2	204	<10	25	125

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

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 Date Received: 11/01/2013  
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 Job #: 201310900  
 Reference: CL sample series  
 Sample #: 144

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99574	CL178838	0.007	<1	8.52	14	360	2	6	6.94	8	41	302	199	6.31	0.38	58	3.21	945	<1	56	2376	25	<5	8	<10	584	6246	<2	210	<10	23	121
99575	CL178839	0.005	<1	5.63	4	313	3	4	6.32	7	40	419	115	6.57	0.46	65	3.93	1294	<1	63	2140	26	<5	15	<10	492	5802	<2	203	10	22	156
99576	CL178840	<0.005	<1	4.31	14	348	3	<1	5.08	7	34	387	44	5.70	0.45	37	3.24	1016	<1	93	1628	25	<5	<5	<10	527	4523	<2	150	<10	17	126
99577D	CL178840	<0.005	<1	3.24	4	231	3	14	4.64	6	31	378	46	5.63	0.30	34	3.25	1007	<1	92	1598	24	<5	<5	<10	505	4459	<2	148	11	17	121
99578	CL178841	<0.005	<1	5.08	6	395	3	2	3.70	7	32	72	27	6.16	<0.01	11	1.59	955	5	110	1950	22	<5	8	<10	635	7197	<2	148	12	35	94
99579	CL178842	<0.005	<1	2.07	6	<1	<2	<1	1.08	<4	8	60	21	1.78	<0.01	<1	0.42	255	<1	43	356	19	5	<5	<10	408	1686	<2	32	<10	8	27
99580	CL178843	<0.005	<1	3.39	4	89	<2	<1	1.05	<4	8	61	12	1.62	<0.01	1	0.41	214	<1	34	364	22	<5	10	<10	435	1699	<2	32	14	8	30
99581	CL178844	0.006	<1	3.41	3	48	2	1	4.98	7	35	277	67	5.69	0.04	27	3.12	1060	<1	55	1501	29	<5	11	<10	668	4413	<2	177	<10	15	137
99582	CL178845	<0.005	<1	4.41	23	110	3	<1	7.04	9	48	393	94	7.21	0.73	10	4.10	1364	<1	66	1925	29	<5	<5	<10	941	5562	<2	234	<10	17	144
99583	CL178846	<0.005	<1	6.78	9	254	2	10	6.64	8	43	324	64	6.89	0.29	37	3.75	1272	<1	63	1762	34	<5	<5	<10	735	5065	<2	207	<10	18	160
99584	CL178847	<0.005	<1	6.66	4	192	2	<1	1.71	<4	6	57	8	1.86	0.37	3	0.50	238	1	38	409	30	<5	<5	<10	420	1890	<2	37	<10	11	36
99585	CL178848	<0.005	2	9.75	13	577	<2	<1	3.42	<4	13	101	20	2.17	0.66	34	0.42	299	16	71	459	36	<5	34	<10	501	1958	<2	36	<10	11	44
99586	CL178849	<0.005	<1	8.50	14	372	<2	<1	2.58	<4	9	79	12	2.06	<0.01	12	0.42	278	8	45	432	34	<5	11	<10	408	1892	<2	32	<10	11	46
99587	CL178850	<0.005	<1	5.68	4	427	2	3	6.29	8	42	484	54	7.04	0.46	33	4.36	1226	<1	109	1510	25	6	<5	<10	468	4807	<2	200	10	18	147
99588D	CL178850	<0.005	<1	3.66	3	357	2	2	5.41	8	39	435	51	6.27	0.19	30	3.89	1097	<1	100	1366	20	<5	<5	<10	422	4316	<2	179	<10	15	175
99589	CL178851	<0.005	<1	3.78	8	495	2	15	6.54	7	34	323	100	6.19	0.30	43	3.49	1237	<1	68	1391	21	<5	12	<10	401	4774	<2	176	<10	15	136
99590	CL178852	<0.005	<1	4.32	17	194	2	<1	2.29	<4	51	89	14	2.25	0.06	20	0.78	335	9	105	515	16	<5	18	<10	525	970	<2	27	<10	7	41
99591	CL178853	0.007	<1	2.91	<2	301	2	<1	4.29	6	35	266	43	5.25	0.13	28	3.04	927	<1	67	1544	29	<5	11	<10	379	4406	<2	154	<10	14	110
99592	CL178854	1.029	<1	2.79	570	198	<2	1	4.40	10	47	164	76	8.31	0.28	<1	2.85	2084	<1	116	1748	24	<5	<5	<10	443	7479	<2	146	10	17	97
99593	CL178855	0.017	<1	3.98	14	402	3	9	4.94	7	36	255	85	5.65	0.04	25	3.12	925	<1	56	1567	21	<5	<5	<10	431	5064	<2	175	10	15	103

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

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99594	CL178856	<0.005	<1	2.33	10	323	2	<1	5.32	8	40	398	84	6.15	0.04	34	3.81	1132	<1	83	1406	22	<5	<5	<10	379	4858	<2	180	<10	14	141
99595	CL178857	0.005	<1	3.56	2	55	<2	<1	1.66	<4	10	102	34	2.11	0.20	<1	0.70	304	<1	38	454	21	<5	18	<10	375	1931	<2	42	11	9	41
99596	CL178858	<0.005	<1	4.83	5	250	<2	<1	2.54	4	16	73	42	3.19	0.29	<1	0.84	452	1	38	444	16	<5	8	<10	468	2773	<2	67	<10	17	42
99597	CL178859	<0.005	<1	6.20	8	570	2	11	4.45	7	38	163	45	5.93	0.11	26	2.50	982	<1	47	1912	26	<5	<5	<10	444	5554	<2	187	11	23	91
99598	CL178860	<0.005	<1	3.98	4	455	2	<1	5.35	8	39	308	38	6.43	0.24	28	3.59	1261	<1	78	1669	21	<5	<5	<10	431	5580	<2	192	11	21	104
99599R	CL178860	<0.005	<1	5.04	3	516	2	4	5.49	8	36	282	35	6.12	0.46	34	3.35	1202	<1	68	1657	25	<5	5	<10	434	5466	<2	187	10	20	109
99600	CL178861	0.012	<1	4.30	10	93	<2	<1	2.35	<4	15	65	67	2.63	0.33	<1	0.86	390	2	34	443	25	<5	10	<10	499	2558	<2	64	<10	15	125
99601	CL178862	0.006	<1	6.01	7	315	<2	<1	3.01	4	16	87	35	3.36	<0.01	<1	0.89	511	3	38	489	24	<5	15	<10	517	2938	<2	70	<10	19	112
99602	CL178863	0.005	<1	7.61	11	840	3	6	3.95	6	32	90	23	5.04	<0.01	27	2.42	851	<1	40	2062	28	<5	9	<10	547	4583	<2	132	10	19	109
99603	CL178864	0.011	<1	6.51	6	623	3	<1	5.17	7	30	129	48	4.75	<0.01	32	2.68	984	<1	45	1876	24	<5	<5	<10	487	4454	<2	137	<10	19	118
99604	CL178865	0.009	<1	8.42	8	616	3	2	4.20	5	42	142	94	4.67	0.15	32	2.13	746	<1	47	1143	27	<5	<5	<10	461	4167	<2	130	12	21	95
99605	CL178866	<0.005	<1	8.46	5	563	3	10	4.39	7	29	43	28	5.70	0.18	33	1.64	911	<1	39	1677	25	<5	15	<10	709	6570	<2	144	<10	38	95
99606	CL178867	<0.005	<1	4.82	13	498	<2	<1	5.28	8	34	370	23	6.42	0.21	32	3.79	1286	<1	102	1530	22	<5	<5	<10	294	4382	<2	167	<10	20	157
99607	CL178868	<0.005	<1	5.31	10	643	2	<1	2.89	4	16	75	56	3.23	1.29	<1	0.95	558	7	114	461	21	<5	13	<10	320	2978	<2	72	16	16	48
99608	CL178869	0.010	<1	3.98	6	587	<2	<1	3.22	5	20	57	147	3.89	0.69	<1	0.98	703	10	90	466	20	<5	16	<10	314	3031	<2	66	23	16	54
99609	CL178870	0.007	<1	4.61	9	426	<2	<1	2.56	<4	16	55	56	3.04	0.50	<1	0.79	526	4	85	417	18	<5	<5	<10	293	2707	<2	66	<10	18	50
99610D	CL178870	0.005	<1	3.55	5	429	<2	<1	2.46	4	16	63	55	3.02	0.47	<1	0.75	525	5	88	424	18	<5	16	<10	289	2654	<2	65	10	15	61
99611	CL178871	<0.005	<1	5.33	11	505	<2	<1	2.78	4	16	53	26	3.30	0.17	18	0.85	609	5	72	440	18	<5	14	<10	271	2779	<2	68	<10	18	65
99612	CL178872	<0.005	<1	2.76	10	356	2	<1	5.16	8	37	431	51	6.39	<0.01	39	3.89	1082	<1	111	1381	25	<5	<5	<10	422	4460	<2	187	<10	14	149
99613	CL178873	<0.005	<1	5.73	9	974	<2	8	2.48	4	17	45	35	3.55	0.63	26	0.95	531	3	59	466	29	<5	15	<10	298	2989	<2	72	13	19	60

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

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99614	CL178874	<0.005	<1	6.81	7	386	<2	4	3.35	4	18	69	15	3.60	0.69	10	0.90	575	5	81	473	25	<5	17	<10	404	3041	<2	73	<10	19	58
99615	CL178875	<0.005	<1	8.09	8	407	<2	3	3.37	4	17	60	21	3.58	0.40	26	0.91	553	4	67	472	27	<5	18	<10	430	3056	<2	71	<10	20	54
99616	CL178876	<0.005	<1	8.10	5	188	<2	7	3.46	4	17	43	32	3.37	0.39	10	0.96	511	<1	34	499	24	<5	21	<10	583	3034	<2	74	13	20	76
99617	CL178877	<0.005	<1	7.30	13	730	2	2	5.71	7	35	175	54	5.95	0.02	49	3.08	1072	<1	62	2411	28	<5	<5	<10	706	4761	<2	162	<10	23	116
99618	CL178878	<0.005	<1	5.22	10	97	<2	<1	2.46	5	20	38	48	3.65	0.41	1	1.19	528	<1	39	524	22	<5	5	<10	531	3206	<2	83	<10	19	70
99619	CL178879	2.044	<1	3.06	810	248	<2	8	4.82	11	48	185	102	8.97	0.60	3	2.93	1888	<1	126	1695	28	9	13	<10	463	7909	<2	151	<10	17	114
99620	CL178880	0.013	<1	5.40	4	107	<2	4	3.73	5	25	65	43	4.50	0.27	24	1.62	751	<1	58	588	27	<5	<5	<10	451	3561	<2	99	<10	18	80
99621D	CL178880	0.005	<1	2.82	5	72	<2	4	3.39	6	26	61	42	4.46	0.64	19	1.59	757	<1	61	592	24	<5	<5	<10	427	3530	<2	99	<10	14	78
99622	CL178881	<0.005	<1	3.33	5	<1	<2	7	2.88	5	21	45	37	3.98	0.29	<1	1.37	663	<1	53	533	12	<5	<5	<10	302	3272	<2	87	<10	25	75
99623	CL178882	0.005	<1	2.69	4	114	<2	<1	1.19	<4	7	42	19	1.49	<0.01	<1	0.26	214	<1	35	251	23	<5	10	<10	258	1481	<2	21	<10	11	30
99624	CL178883	<0.005	<1	5.55	17	222	<2	<1	2.37	4	16	64	31	3.15	<0.01	<1	0.86	443	<1	50	416	28	<5	28	<10	301	2560	<2	55	13	17	66
99625	CL178884	<0.005	<1	7.58	2	202	<2	4	3.11	4	16	79	12	3.27	0.38	8	0.82	489	4	45	523	31	<5	31	<10	336	3137	<2	60	<10	27	50
99626	CL178885	<0.005	<1	8.65	6	383	<2	34	3.24	4	12	48	14	2.84	0.15	10	0.82	535	3	35	508	23	<5	12	<10	365	3061	<2	57	15	19	45
99627	CL178886	0.012	<1	8.70	4	380	<2	<1	3.01	4	16	42	62	3.26	0.28	11	0.83	421	<1	34	563	20	<5	<5	<10	363	3571	<2	61	<10	20	55
99628	CL178887	<0.005	<1	8.29	6	270	<2	<1	3.08	4	15	67	19	3.25	0.87	10	0.94	464	2	43	455	22	<5	14	<10	382	2819	<2	59	<10	23	49
99629	CL178888	<0.005	<1	7.43	15	331	<2	<1	2.63	<4	14	38	14	3.01	0.35	7	0.97	477	<1	39	388	19	<5	5	<10	326	2405	<2	58	12	21	48
99630	CL178889	<0.005	<1	5.51	14	287	<2	<1	2.96	<4	8	41	11	2.35	0.93	<1	0.80	721	2	32	333	20	<5	<5	<10	277	2034	<2	45	<10	12	30
99631	CL178890	<0.005	<1	5.27	20	456	<2	<1	2.89	<4	9	45	15	2.67	0.70	2	0.84	635	<1	30	367	22	<5	26	<10	257	2302	<2	56	<10	11	23
99632D	CL178890	<0.005	<1	4.67	16	402	<2	3	2.67	<4	10	35	14	2.57	0.94	<1	0.81	619	<1	27	367	27	<5	19	<10	246	2256	<2	54	<10	11	26
99633	CL178891	0.008	<1	4.09	<2	648	<2	13	3.30	5	23	35	134	3.91	<0.01	10	1.03	724	9	29	465	22	<5	<5	<10	315	3126	<2	67	23	16	64

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

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 Dr. David Brown, VP Quality

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Wednesday, November 27, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
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 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310900  
 Reference: CL sample series  
 Sample #: 144

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99634	CL178892	<0.005	<1	4.92	7	500	3	8	3.75	7	29	56	28	5.69	<0.01	17	1.46	907	4	82	1731	29	<5	5	<10	677	6467	<2	138	10	31	91
99635	CL178893	<0.005	<1	0.54	7	83	<2	<1	0.63	<4	2	67	8	0.52	0.01	<1	0.13	109	3	43	170	22	<5	<5	<10	156	699	<2	13	<10	4	22
99636	CL178894	<0.005	<1	2.90	2	360	<2	<1	2.02	4	12	61	22	2.86	0.36	<1	0.84	560	<1	45	349	26	<5	12	<10	262	2256	<2	58	<10	11	29
99637	CL178895	<0.005	<1	4.65	4	497	<2	1	1.99	<4	8	130	9	2.12	0.29	<1	0.63	450	6	49	306	20	<5	14	<10	229	1985	<2	52	10	10	28
99638	CL178896	<0.005	<1	7.00	7	507	<2	<1	3.83	<4	13	40	24	2.86	0.25	3	0.92	731	<1	48	383	21	<5	16	<10	261	2487	<2	62	12	15	26
99639	CL178897	<0.005	<1	8.14	11	548	<2	<1	4.15	4	11	45	32	3.04	0.71	6	1.11	824	<1	37	384	25	<5	29	<10	256	2354	<2	63	13	15	35
99640	CL178898	<0.005	<1	5.93	4	356	<2	30	3.30	4	12	43	15	3.53	0.31	1	1.28	888	<1	40	272	20	<5	17	<10	197	3337	<2	57	11	14	37
99641	CL178899	<0.005	<1	7.08	<2	435	<2	16	2.76	4	15	36	9	3.19	0.30	<1	1.09	545	<1	40	365	22	7	5	<10	243	2529	<2	66	12	16	51
99642	CL178900	<0.005	<1	5.70	10	482	<2	<1	3.03	4	16	44	26	3.07	0.43	<1	0.99	520	<1	44	366	21	<5	<5	<10	236	2314	<2	60	12	14	52
99643D	CL178900	<0.005	<1	3.54	3	292	<2	<1	2.25	<4	13	36	23	2.82	0.27	<1	0.92	481	<1	44	319	21	<5	<5	<10	201	2094	<2	55	<10	12	33
99644	CL178901	<0.005	<1	5.17	6	403	<2	6	2.72	<4	14	40	28	2.86	<0.01	<1	0.91	569	<1	40	361	29	<5	15	<10	247	2355	<2	61	<10	12	31
99645	CL178902	0.024	<1	4.39	5	261	<2	<1	2.32	4	15	35	135	2.91	0.55	<1	0.93	475	<1	44	365	23	<5	14	<10	250	2252	<2	57	<10	12	33
99646	CL178903	<0.005	<1	4.36	<2	209	<2	2	2.12	<4	15	51	25	3.15	<0.01	<1	1.04	526	<1	37	377	14	<5	<5	<10	261	2468	<2	63	<10	12	30
99647	CL178904	0.246	<1	6.06	15	936	3	8	2.51	6	23	91	2475	4.50	<0.01	31	1.34	574	83	42	1100	49	<5	24	<10	465	4771	<2	132	11	22	84
99648	CL178905	<0.005	<1	5.34	5	281	<2	20	3.02	<4	13	38	13	2.86	0.10	6	0.92	552	<1	37	385	24	<5	7	12	282	2389	<2	60	11	14	26
99649	CL178906	<0.005	<1	7.94	5	350	<2	3	3.89	<4	11	44	25	2.88	0.60	5	0.94	611	<1	33	380	27	<5	14	<10	293	2408	<2	56	<10	17	25
99650	CL178907	<0.005	<1	7.33	12	414	<2	<1	4.15	<4	11	38	21	2.70	0.80	14	0.89	730	<1	36	383	31	<5	10	<10	293	2375	<2	57	<10	15	31
99651	CL178908	0.016	<1	6.81	5	121	<2	14	2.97	4	14	35	33	3.12	0.21	4	1.04	591	<1	34	375	27	<5	14	<10	278	2364	<2	59	<10	17	55
99652	CL178909	0.469	<1	7.00	4	266	<2	<1	1.82	<4	10	25	123	1.82	0.24	<1	0.54	318	<1	23	242	24	<5	12	<10	225	1443	<2	28	<10	15	30
99653	CL178910	0.007	<1	6.20	<2	179	<2	<1	2.92	<4	15	20	42	2.83	<0.01	<1	0.89	538	<1	29	358	23	<5	20	<10	278	2276	<2	55	12	14	55

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

 Certified By:   
 Dr. David Brown, VP Quality

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Wednesday, November 27, 2013


### Final Certificate

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 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310900  
 Reference: CL sample series  
 Sample #: 144

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99654D	CL178910	0.007	<1	6.21	2	278	<2	<1	3.18	4	15	24	47	2.92	0.15	8	0.89	560	<1	31	380	18	<5	18	<10	294	2375	<2	57	<10	14	118
99655	CL178911	<0.005	<1	4.63	2	120	<2	2	2.33	4	15	24	18	2.98	0.13	<1	0.96	526	<1	30	357	26	<5	8	<10	269	2340	<2	60	11	15	90
99656	CL178912	<0.005	<1	1.83	10	142	<2	<1	2.97	<4	12	16	24	2.78	0.73	<1	0.86	668	<1	25	341	23	5	<5	<10	243	2146	<2	53	11	10	61
99657	CL178913	<0.005	<1	3.35	8	221	<2	<1	2.32	<4	11	22	26	2.46	0.29	<1	0.78	597	<1	27	356	19	<5	13	<10	229	2172	<2	53	<10	12	41
99658	CL178914	<0.005	<1	4.35	<2	241	<2	<1	1.81	<4	10	18	20	2.15	0.23	<1	0.72	491	<1	24	368	22	11	10	<10	228	2301	<2	55	13	11	45
99659	CL178915	<0.005	<1	3.23	13	298	<2	<1	2.99	<4	11	21	29	2.24	0.05	<1	0.69	709	<1	24	354	21	<5	8	<10	245	2193	<2	51	10	10	43
99660	CL178916	<0.005	<1	0.87	<2	133	<2	6	1.52	<4	9	13	22	2.19	<0.01	11	0.68	478	<1	22	254	18	6	14	<10	217	1751	<2	43	<10	8	15
99661	CL178917	<0.005	<1	>10.00	13	1106	4	12	6.85	10	38	51	32	7.75	<0.01	45	2.02	1249	<1	48	2418	36	<5	39	<10	963	8949	<2	186	<10	51	118
99662	CL178918	<0.005	<1	8.15	7	455	<2	15	6.57	4	13	16	32	3.47	<0.01	15	1.20	1425	<1	23	444	35	<5	29	<10	283	2768	<2	64	25	20	69
99663	CL178919	<0.005	<1	7.20	3	477	<2	<1	6.14	<4	9	15	28	2.65	<0.01	12	0.92	1283	<1	20	393	37	<5	29	<10	257	2435	<2	58	15	18	60
99664	CL178920	0.005	<1	6.59	5	218	<2	<1	3.47	<4	11	19	29	2.56	<0.01	4	0.86	799	<1	26	348	29	<5	11	<10	263	2206	<2	49	14	15	58
99665R	CL178920	0.005	<1	5.31	10	197	<2	7	3.54	<4	10	16	32	2.58	<0.01	6	0.85	834	<1	26	333	26	<5	21	<10	257	2173	<2	49	15	14	60
99666	CL178921	<0.005	<1	4.31	5	253	<2	<1	4.02	4	13	34	19	2.98	0.17	4	0.93	960	<1	33	387	23	5	13	<10	273	2410	<2	57	15	15	61
99667	CL178922	0.019	<1	6.11	<2	272	<2	2	3.39	<4	13	30	39	2.89	0.07	3	0.88	812	<1	46	386	28	<5	17	<10	256	2354	<2	57	13	17	60
99668	CL178923	0.016	<1	8.90	9	385	<2	8	4.24	4	16	60	14	3.42	0.11	14	1.05	957	6	96	435	24	<5	21	10	278	2660	<2	66	13	22	60
99669	CL178924	<0.005	<1	8.66	4	272	<2	5	3.65	4	15	52	10	3.28	0.22	14	1.03	750	5	87	415	17	<5	17	<10	290	2605	<2	62	18	20	65
99670	CL178925	<0.005	<1	5.21	8	251	<2	<1	2.45	4	14	52	8	3.14	0.32	7	0.89	547	5	90	381	25	<5	15	<10	285	2462	<2	62	<10	15	63
99671	CL178926	<0.005	<1	7.10	<2	274	<2	<1	3.61	<4	15	71	20	3.38	<0.01	11	0.98	726	9	122	386	21	<5	7	<10	290	2431	<2	62	<10	17	69
99672	CL178927	0.006	<1	5.42	5	232	<2	<1	2.64	4	12	63	20	3.08	0.41	<1	0.86	565	8	107	409	23	<5	8	<10	271	2483	<2	58	<10	15	66
99673	CL178928	<0.005	<1	5.35	9	181	<2	14	2.11	4	15	57	18	3.35	0.32	<1	0.82	521	4	93	507	23	<5	25	<10	285	2931	<2	63	<10	20	73

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

 Certified By:   
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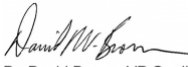
## Final Certificate

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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310900  
 Reference: CL sample series  
 Sample #: 144

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99674	CL178929	1.447	<1	4.43	9	377	<2	4	2.20	9	22	41	11919	7.42	0.23	1	1.67	574	561	23	1080	42	<5	7	<10	576	3199	<2	166	11	15	137
99675	CL178930	0.014	<1	3.33	4	75	<2	<1	1.03	<4	11	42	22	2.77	0.30	<1	0.47	418	3	80	435	21	<5	<5	<10	258	2563	<2	52	<10	14	65
99676D	CL178930	0.010	<1	2.92	10	100	<2	17	1.38	25	14	36	65	2.87	<0.01	48	0.55	428	3	68	473	39	<5	<5	<10	268	2647	<2	53	39	19	40
99677	CL178931	0.007	<1	3.40	3	93	<2	10	1.57	4	15	26	22	3.19	0.04	<1	0.65	477	<1	47	616	26	<5	14	<10	259	3298	<2	63	<10	24	68
99678	CL178932	0.011	<1	4.17	4	127	<2	<1	2.26	5	15	58	23	3.73	0.56	<1	0.73	653	8	109	683	30	<5	8	<10	282	3654	<2	70	10	28	78
99679	CL178933	0.022	<1	7.52	10	356	<2	<1	3.57	5	19	61	67	4.31	0.29	22	0.82	846	10	106	759	31	<5	13	<10	275	3724	<2	67	18	29	114
99680	CL178934	0.017	<1	7.01	2	232	<2	17	3.02	5	17	59	27	4.11	0.54	9	0.80	765	8	107	741	22	<5	13	<10	296	3934	<2	81	<10	27	115
99681	CL178935	0.032	<1	6.04	6	250	<2	3	2.46	5	16	39	40	3.76	0.88	8	0.74	607	8	58	745	29	<5	10	<10	270	3850	<2	71	13	23	123
99682	CL178936	0.015	<1	6.33	12	319	<2	<1	2.73	6	15	72	42	3.49	0.58	76	0.67	663	8	98	602	21	<5	<5	<10	286	3318	<2	59	<10	24	343
99683	CL178937	0.010	<1	6.28	10	262	<2	<1	2.11	4	12	23	11	2.75	0.91	5	0.56	445	<1	42	486	31	<5	5	<10	317	2645	<2	45	<10	22	79
99684	CL178938	0.010	<1	4.28	12	149	<2	6	1.68	<4	12	25	12	2.50	0.30	<1	0.53	425	<1	25	449	26	<5	31	<10	289	2430	<2	41	<10	20	66
99685	CL178939	<0.005	<1	2.28	9	37	<2	6	0.89	<4	8	9	11	1.92	0.51	<1	0.36	311	<1	24	342	16	<5	5	<10	252	1752	<2	26	<10	15	37
99686	CL178940	<0.005	<1	2.76	<2	294	<2	<1	0.90	<4	7	23	14	1.61	0.38	<1	0.30	266	<1	21	328	22	<5	<5	<10	223	1606	<2	24	<10	11	29
99687D	CL178940	<0.005	<1	2.37	4	380	<2	<1	1.10	<4	9	32	15	1.79	<0.01	<1	0.31	296	<1	23	338	20	<5	7	<10	239	1753	<2	27	10	10	36
99688	CL178941	<0.005	<1	2.95	14	250	<2	2	1.05	<4	5	24	10	1.36	0.06	<1	0.25	241	<1	26	270	20	<5	9	<10	236	1411	<2	19	<10	12	32
99689	CL178942	<0.005	<1	0.29	4	490	2	<1	2.83	6	25	28	19	4.64	0.39	15	1.10	792	<1	27	1523	33	<5	<5	<10	555	5679	<2	117	<10	19	81
99690	CL178943	<0.005	<1	5.47	4	366	2	<1	1.36	<4	8	10	11	1.88	<0.01	<1	0.34	274	<1	25	316	25	<5	21	<10	284	1857	<2	23	<10	18	31
99691	CL178944	<0.005	<1	6.63	<2	371	<2	<1	1.52	<4	7	11	17	1.56	0.42	2	0.33	264	<1	26	302	20	<5	24	<10	268	1731	<2	21	16	19	30

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

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 Dr. David Brown, VP Quality

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Wednesday, November 27, 2013


## Final Certificate

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 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310901  
 Reference: CL sample series  
 Sample #: 156

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99692	CL205345	<0.005	<1	8.66	6	358	<2	1	3.34	5	20	37	44	4.10	0.39	32	1.38	654	<1	45	461	25	<5	<5	<10	523	3054	<2	84	<10	18	82
99693	CL205346	0.006	<1	6.66	<2	399	<2	<1	2.85	4	17	30	39	3.35	0.37	30	1.16	574	<1	36	428	23	7	<5	<10	395	2673	<2	68	<10	16	58
99694	CL205347	0.026	<1	6.59	3	308	<2	<1	1.93	4	16	28	175	3.42	0.88	28	1.14	519	<1	39	409	24	<5	15	<10	358	2504	<2	69	13	16	46
99695	CL205348	<0.005	<1	5.08	8	265	<2	<1	2.20	4	15	28	29	3.17	0.65	24	1.07	512	2	32	385	24	<5	<5	<10	388	2434	<2	65	<10	14	62
99696	CL205349	<0.005	<1	4.70	9	137	<2	<1	2.33	4	16	31	27	3.39	0.52	4	1.12	548	<1	38	416	21	<5	8	<10	468	2645	<2	71	<10	15	68
99697	CL205350	<0.005	<1	3.72	6	32	<2	<1	2.37	<4	17	34	24	3.12	0.46	<1	0.98	515	<1	34	383	23	<5	10	<10	435	2438	<2	63	<10	13	58
99698	CL205351	0.212	<1	4.20	20	733	3	<1	2.23	5	18	76	2292	3.79	0.26	20	1.17	490	40	33	962	38	<5	16	<10	405	4164	<2	109	10	20	68
99699	CL205352	<0.005	<1	1.66	9	77	<2	<1	2.06	<4	15	31	18	2.76	0.21	<1	0.82	469	<1	31	366	22	<5	10	<10	367	2247	<2	59	17	10	49
99700	CL205353	0.014	<1	2.92	4	138	<2	<1	1.77	<4	12	28	17	2.36	0.25	<1	0.76	378	<1	27	344	21	<5	12	<10	298	2020	<2	49	14	11	50
99701	CL205354	0.013	<1	<0.01	<2	<1	<2	<1	2.13	4	15	38	24	3.25	0.06	<1	0.64	525	<1	48	455	25	<5	<5	<10	406	2954	<2	64	<10	8	52
99702D	CL205354	0.006	<1	4.18	3	21	<2	<1	2.65	4	17	41	24	3.28	0.43	<1	0.82	520	<1	47	471	21	6	<5	<10	431	3055	<2	64	<10	13	51
99703	CL205355	0.006	<1	9.11	9	331	<2	2	3.88	5	19	52	18	4.02	0.72	20	1.20	647	<1	46	546	17	<5	14	<10	483	3307	<2	75	<10	21	62
99704	CL205356	0.007	<1	8.03	7	254	<2	12	3.01	5	17	45	24	3.93	0.81	17	1.27	659	<1	40	491	18	<5	<5	<10	461	3114	<2	74	<10	21	62
99705	CL205357	<0.005	<1	>10.00	10	596	2	6	3.24	6	21	56	25	4.36	1.08	17	1.32	669	3	55	549	25	<5	21	<10	466	3567	<2	80	<10	26	73
99706	CL205358	<0.005	<1	8.24	9	593	<2	11	2.14	<4	7	31	49	2.11	0.77	<1	0.45	308	<1	32	338	28	<5	19	<10	291	1826	<2	23	<10	23	24
99707	CL205359	<0.005	<1	5.30	4	388	2	<1	1.30	<4	8	51	30	1.97	1.03	<1	0.34	296	4	65	304	21	<5	7	<10	241	1690	<2	21	<10	24	25
99708	CL205360	<0.005	<1	3.69	8	359	<2	<1	0.80	<4	7	45	37	1.84	0.69	<1	0.31	273	3	63	263	22	<5	13	<10	210	1544	<2	21	<10	20	26
99709	CL205361	<0.005	<1	3.30	8	314	<2	<1	1.14	<4	8	44	26	2.06	0.69	<1	0.37	292	4	65	311	21	<5	9	<10	255	1668	<2	24	<10	18	32
99710	CL205362	<0.005	<1	3.05	4	297	<2	<1	1.08	<4	8	43	9	2.17	0.52	<1	0.42	283	4	56	364	16	<5	13	<10	260	1886	<2	30	10	18	38
99711	CL205363	<0.005	<1	<0.01	10	116	2	3	1.48	5	20	66	19	4.35	<0.01	<1	0.86	693	10	142	1217	31	<5	<5	<10	448	4719	<2	103	<10	14	82

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

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 P0M1W0  
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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310901  
 Reference: CL sample series  
 Sample #: 156

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99712	CL205364	<0.005	<1	1.84	<2	417	2	<1	0.42	<4	5	48	28	1.80	<0.01	<1	0.26	293	3	65	271	18	<5	11	<10	210	1389	<2	20	<10	22	34
99713D	CL205364	0.006	<1	1.21	<2	171	<2	<1	<0.01	<4	4	29	21	1.26	<0.01	<1	0.20	207	<1	47	224	26	<5	12	<10	169	1069	<2	14	<10	19	23
99714	CL205365	<0.005	<1	0.78	4	433	2	<1	0.29	<4	5	73	18	1.67	0.12	<1	0.20	237	7	83	227	18	<5	13	<10	201	1269	<2	18	<10	18	21
99715	CL205366	<0.005	<1	5.02	7	436	2	<1	0.82	<4	5	58	17	1.70	0.19	<1	0.24	237	6	78	242	19	<5	<5	<10	230	1316	<2	17	<10	21	25
99716	CL205367	<0.005	<1	2.69	<2	543	2	<1	0.76	<4	4	50	25	1.74	1.27	<1	0.22	265	4	66	234	21	<5	11	<10	228	1388	<2	18	<10	17	29
99717	CL205368	0.005	<1	5.42	8	577	2	<1	0.90	<4	6	43	17	1.73	0.64	<1	0.26	260	2	49	262	19	<5	24	<10	235	1484	<2	17	<10	25	25
99718	CL205369	<0.005	<1	5.24	<2	431	<2	<1	0.75	<4	5	67	20	1.65	0.19	<1	0.23	210	10	110	240	24	<5	16	<10	212	1284	<2	18	<10	21	14
99719	CL205370	0.007	<1	2.18	14	428	<2	8	0.79	<4	5	70	21	1.83	0.52	<1	0.24	237	10	109	224	20	<5	18	<10	210	1414	<2	21	<10	20	26
99720	CL205371	<0.005	<1	2.68	4	358	<2	<1	0.16	<4	5	77	16	1.84	0.38	<1	0.23	222	10	136	211	17	<5	<5	<10	195	1289	<2	18	<10	19	21
99721	CL205372	<0.005	<1	3.55	7	492	2	<1	0.65	<4	5	51	17	1.77	0.34	<1	0.23	226	5	80	243	20	<5	10	<10	228	1414	<2	18	<10	21	24
99722	CL205373	<0.005	<1	1.27	5	277	2	<1	0.58	<4	7	97	17	2.12	0.43	<1	0.26	279	13	150	255	18	<5	15	<10	210	1521	<2	24	10	19	25
99723	CL205374	<0.005	<1	0.26	<2	178	<2	<1	<0.01	<4	6	66	13	1.60	<0.01	<1	0.19	203	7	111	209	18	<5	6	<10	177	1066	<2	17	<10	15	18
99724D	CL205374	<0.005	<1	<0.01	4	401	<2	<1	0.27	<4	6	73	15	1.74	0.17	<1	0.20	230	9	107	231	26	<5	<5	<10	200	1311	<2	19	<10	13	18
99725	CL205375	<0.005	<1	1.14	5	404	<2	<1	0.26	<4	6	39	22	1.40	0.01	<1	0.18	205	1	44	231	17	<5	14	<10	198	1223	<2	15	<10	15	28
99726	CL205376	1.471	<1	4.20	3	413	<2	10	2.25	9	23	42	11643	7.22	0.54	6	1.59	559	554	23	1086	66	<5	<5	10	564	3114	<2	161	<10	14	100
99727	CL205377	<0.005	<1	3.66	3	514	2	<1	0.52	<4	6	59	37	1.68	0.56	<1	0.23	226	4	64	249	22	<5	<5	<10	218	1407	<2	18	<10	22	23
99728	CL205378	<0.005	<1	3.34	<2	444	2	<1	0.44	<4	5	59	105	1.69	0.12	<1	0.23	233	11	83	244	23	<5	9	<10	204	1312	<2	18	<10	20	26
99729	CL205379	<0.005	<1	2.97	<2	408	<2	<1	0.33	<4	5	50	23	1.60	<0.01	<1	0.22	212	4	75	228	25	<5	18	<10	197	1265	<2	16	<10	19	23
99730	CL205380	<0.005	<1	4.62	9	493	2	<1	0.60	<4	5	61	23	1.71	0.45	<1	0.24	219	8	84	253	23	<5	18	<10	207	1357	<2	18	<10	22	21
99731	CL205381	<0.005	<1	2.31	4	722	2	<1	0.81	<4	7	67	114	1.62	0.31	<1	0.33	225	6	93	277	25	<5	9	<10	330	1463	<2	31	<10	15	27

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99732	CL205382	<0.005	<1	3.10	<2	711	2	<1	0.81	<4	7	50	67	1.27	0.47	<1	0.29	199	1	68	270	20	<5	15	<10	329	1518	<2	25	<10	17	47
99733	CL205383	0.006	<1	3.99	8	318	2	4	3.35	9	42	313	76	7.18	0.13	22	3.28	1105	<1	84	1471	22	<5	<5	<10	424	4599	<2	183	10	16	148
99734	CL205384	<0.005	<1	4.66	8	683	2	<1	1.11	<4	6	57	29	1.74	0.07	<1	0.34	235	4	63	300	28	<5	17	<10	313	1556	<2	23	<10	20	38
99735D	CL205384	<0.005	<1	5.22	5	744	2	<1	1.23	<4	7	62	30	1.85	0.22	<1	0.32	245	7	80	297	26	<5	16	<10	326	1611	<2	25	<10	20	43
99736	CL205385	<0.005	<1	6.24	10	573	2	6	1.66	<4	7	62	18	2.17	0.95	<1	0.38	276	5	74	350	21	<5	19	<10	363	1959	<2	31	<10	12	36
99737	CL205386	<0.005	<1	6.20	9	429	2	11	2.61	5	13	73	46	3.37	1.26	<1	0.74	444	4	82	412	29	<5	16	<10	416	2543	<2	51	13	22	230
99738	CL205387	<0.005	<1	3.84	5	474	2	<1	0.61	<4	4	84	19	1.69	1.04	<1	0.25	235	8	78	259	26	<5	10	<10	216	1366	<2	19	<10	23	25
99739	CL205388	<0.005	<1	5.94	9	445	3	5	3.72	7	27	66	25	5.61	0.51	13	1.41	895	6	107	1675	26	<5	5	<10	618	6251	<2	135	<10	35	87
99740	CL205389	<0.005	<1	2.71	8	109	<2	<1	2.54	4	17	78	22	3.53	0.48	5	1.13	531	<1	81	413	18	<5	<5	<10	361	2689	<2	72	<10	22	50
99741	CL205390	<0.005	<1	3.57	<2	114	<2	<1	3.07	5	22	97	16	4.11	0.37	3	1.53	646	<1	89	498	20	<5	14	<10	354	3085	<2	90	<10	19	58
99742	CL205391	<0.005	<1	0.53	5	145	<2	<1	2.12	5	20	63	15	3.65	0.21	5	1.17	557	<1	50	454	23	<5	<5	<10	326	2866	<2	77	<10	16	55
99743	CL205392	<0.005	<1	<0.01	2	355	2	<1	1.04	<4	10	52	17	2.17	<0.01	<1	0.31	313	6	56	312	27	<5	12	<10	294	1808	<2	27	<10	7	35
99744	CL205393	<0.005	<1	4.53	13	695	2	<1	0.98	<4	6	65	18	1.97	0.49	<1	0.26	241	7	67	271	20	<5	11	<10	258	1577	<2	20	<10	23	26
99745	CL205394	<0.005	<1	4.70	6	617	2	<1	0.98	<4	5	63	15	1.84	0.75	<1	0.28	227	7	64	268	22	<5	6	<10	307	1545	<2	21	11	21	26
99746D	CL205394	0.005	<1	6.54	11	599	2	<1	1.12	<4	6	56	14	1.75	0.86	<1	0.29	216	4	57	280	26	<5	16	<10	307	1522	<2	20	<10	22	35
99747	CL205395	<0.005	<1	5.28	10	609	2	2	1.18	<4	6	71	21	2.07	1.07	31	0.30	278	10	72	271	31	<5	8	<10	273	1624	<2	21	<10	22	34
99748	CL205396	<0.005	<1	7.57	9	625	2	<1	1.21	<4	5	60	28	1.85	1.51	<1	0.27	241	17	62	279	24	<5	<5	<10	258	1483	<2	18	10	26	26
99749	CL205397	<0.005	<1	5.87	10	627	2	<1	1.13	<4	6	69	27	1.92	1.25	<1	0.25	245	9	68	265	28	<5	11	<10	247	1497	<2	19	<10	26	33
99750	CL205398	<0.005	<1	5.23	12	580	2	5	0.93	<4	5	39	24	1.65	0.44	<1	0.24	215	2	50	240	26	<5	18	<10	235	1419	<2	17	<10	22	34
99751	CL205399	<0.005	<1	4.21	13	503	2	<1	0.76	<4	5	40	23	1.50	0.66	<1	0.21	208	<1	38	241	30	<5	6	<10	223	1342	<2	15	<10	26	19

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99752	CL205400	<0.005	<1	1.91	5	525	2	<1	0.49	<4	6	31	23	1.53	0.51	<1	0.21	205	<1	38	247	24	<5	19	<10	213	1382	<2	16	<10	20	34
99753	CL205401	1.043	<1	3.77	595	211	<2	<1	4.61	11	45	175	81	8.64	0.29	<1	2.99	2151	<1	120	1818	24	<5	<5	<10	462	7998	<2	152	<10	19	125
99754	CL205402	<0.005	<1	1.37	4	444	<2	<1	0.28	5	5	29	36	1.32	<0.01	<1	0.18	195	<1	41	217	29	<5	<5	<10	199	1192	<2	15	10	14	714
99755	CL205403	<0.005	<1	1.96	8	574	2	<1	0.34	<4	5	29	30	1.20	0.08	13	0.21	178	<1	35	235	31	<5	9	<10	202	1280	<2	16	<10	15	36
99756	CL205404	<0.005	<1	4.88	6	489	2	12	1.49	4	17	137	55	3.08	0.35	52	1.34	448	<1	53	812	25	<5	12	<10	199	2556	<2	64	<10	21	91
99757R	CL205404	<0.005	<1	5.76	2	456	2	<1	1.45	4	14	129	61	2.84	0.30	29	1.21	422	<1	67	732	17	<5	13	<10	195	2399	<2	58	<10	25	73
99758	CL205405	<0.005	<1	8.23	4	795	2	11	1.63	<4	5	41	25	1.39	0.45	30	0.30	210	4	64	304	27	6	11	<10	201	1660	<2	24	<10	24	25
99759	CL205406	<0.005	<1	3.55	12	420	2	<1	0.01	<4	5	35	60	1.62	0.87	14	0.28	195	<1	59	241	15	<5	<5	<10	192	1414	<2	17	11	28	14
99760	CL205407	<0.005	<1	6.60	6	614	2	6	1.29	<4	5	37	24	1.69	0.74	25	0.26	203	4	53	257	23	<5	16	<10	274	1510	<2	19	10	27	25
99761	CL205408	<0.005	<1	6.86	14	519	2	11	1.67	<4	6	49	27	1.97	0.47	22	0.34	273	7	72	282	32	<5	22	<10	278	1682	<2	23	<10	28	27
99762	CL205409	0.006	<1	1.61	<2	107	<2	<1	<0.01	<4	8	32	64	1.92	0.42	11	0.33	231	<1	58	188	15	<5	<5	<10	206	1462	<2	20	<10	25	24
99763	CL205410	<0.005	<1	3.65	<2	304	<2	3	0.99	<4	5	30	32	1.65	0.11	24	0.25	181	1	44	244	22	<5	12	<10	269	1435	<2	19	<10	21	31
99764	CL205411	<0.005	<1	4.29	5	274	<2	<1	1.08	<4	7	46	38	1.92	0.27	10	0.32	212	2	48	299	21	<5	15	<10	252	1686	<2	23	<10	24	31
99765	CL205412	<0.005	2	3.67	6	323	<2	<1	0.90	<4	7	46	40	1.90	<0.01	8	0.28	219	<1	43	236	14	<5	10	<10	246	1533	<2	19	<10	21	36
99766	CL205413	<0.005	<1	5.35	6	426	3	9	3.51	7	27	40	24	5.42	<0.01	19	1.46	861	<1	59	1639	29	<5	<5	<10	602	6354	<2	134	<10	33	95
99767	CL205414	<0.005	<1	0.56	4	333	<2	8	0.34	<4	6	37	50	1.41	<0.01	10	0.20	169	<1	59	224	21	<5	10	<10	201	1262	<2	18	<10	12	29
99768D	CL205414	<0.005	<1	4.08	13	478	2	<1	0.90	<4	6	41	61	1.71	0.32	13	0.25	191	4	65	231	26	<5	<5	<10	236	1474	<2	20	<10	19	36
99769	CL205415	0.006	<1	7.76	14	736	2	23	1.59	<4	6	44	40	1.75	0.18	20	0.28	230	6	55	267	28	<5	22	<10	244	1562	<2	19	10	25	26
99770	CL205416	<0.005	<1	8.07	14	451	<2	<1	1.75	<4	8	39	35	2.03	0.47	26	0.39	282	5	44	293	29	<5	29	<10	269	1888	<2	25	15	21	39
99771	CL205417	0.005	<1	7.86	5	544	<2	<1	1.67	<4	6	46	83	1.91	0.95	21	0.35	221	3	54	283	26	5	16	<10	268	1864	<2	24	<10	22	41

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 Sample #: 156

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99772	CL205418	<0.005	<1	5.70	8	636	2	2	1.14	<4	4	40	36	1.66	0.49	7	0.24	228	26	50	240	28	<5	16	<10	255	1484	<2	17	12	22	29
99773	CL205419	<0.005	<1	4.18	12	459	<2	<1	1.17	<4	4	54	45	1.67	0.84	12	0.24	186	7	74	232	29	<5	17	<10	243	1486	<2	19	<10	14	31
99774	CL205420	0.006	<1	0.95	4	408	<2	<1	0.50	<4	3	49	77	1.08	0.15	5	0.13	134	2	54	150	21	<5	21	<10	192	1071	<2	12	<10	13	28
99775	CL205421	<0.005	<1	0.80	3	301	2	<1	1.22	<4	9	37	19	2.51	0.12	6	0.40	323	<1	59	332	24	<5	11	<10	259	2220	<2	36	12	25	40
99776	CL205422	<0.005	<1	0.39	6	344	<2	<1	0.97	<4	10	34	23	2.23	0.45	5	0.39	306	<1	55	367	16	<5	9	<10	213	2237	<2	36	<10	22	35
99777	CL205423	<0.005	<1	1.65	5	164	<2	<1	0.77	<4	7	27	12	1.98	0.08	<1	0.35	275	<1	39	348	17	<5	16	<10	256	1845	<2	29	<10	12	37
99778	CL205424	<0.005	2	1.20	10	503	<2	4	1.15	<4	7	33	19	1.56	0.23	18	0.22	214	7	44	273	23	<5	<5	<10	261	1562	<2	21	<10	11	38
99779D	CL205424	<0.005	<1	2.48	5	195	<2	<1	0.48	<4	6	24	17	1.71	<0.01	<1	0.28	226	<1	46	240	20	<5	5	<10	231	1572	<2	20	<10	17	30
99780	CL205425	<0.005	<1	7.05	5	574	2	2	1.22	<4	5	46	23	1.67	0.44	<1	0.29	210	5	65	297	21	<5	17	<10	252	1653	<2	20	<10	18	33
99781	CL205426	0.189	<1	8.76	23	866	3	1	2.97	5	19	80	2479	4.03	0.07	36	1.34	514	44	40	1054	41	<5	15	<10	448	4443	<2	115	14	25	81
99782	CL205427	<0.005	<1	7.54	11	289	<2	2	2.32	<4	11	40	21	2.39	1.25	10	0.50	354	2	55	443	20	<5	11	<10	328	2330	<2	37	<10	21	40
99783	CL205428	<0.005	<1	8.09	14	428	<2	<1	2.09	<4	8	36	17	2.25	0.07	16	0.49	345	<1	44	408	22	5	14	<10	271	2197	<2	35	<10	28	28
99784	CL205429	<0.005	<1	6.73	5	312	<2	<1	1.59	<4	8	29	8	2.12	0.28	4	0.46	291	<1	36	368	21	<5	18	<10	259	2089	<2	31	<10	24	28
99785	CL205430	<0.005	<1	5.31	13	367	2	<1	2.31	<4	8	36	14	1.93	0.06	11	0.41	372	<1	27	364	25	<5	20	<10	270	2066	<2	31	11	27	32
99786	CL205431	<0.005	<1	6.63	16	273	2	7	3.37	<4	8	41	23	1.98	0.35	11	0.51	501	10	48	412	24	<5	21	<10	292	2254	<2	32	<10	28	34
99787	CL205432	<0.005	<1	1.22	2	26	2	<1	3.43	<4	8	27	17	1.98	0.40	<1	0.44	620	<1	46	323	17	<5	13	<10	260	2015	<2	28	<10	26	24
99788	CL205433	<0.005	<1	2.59	9	350	<2	<1	0.94	<4	6	32	28	1.44	0.62	<1	0.25	232	2	43	249	17	<5	14	<10	212	1468	<2	20	<10	13	22
99789	CL205434	<0.005	<1	0.87	<2	174	2	<1	0.94	<4	9	38	24	2.44	0.31	<1	0.38	365	<1	56	370	13	<5	9	<10	236	2203	<2	34	<10	23	35
99790D	CL205434	<0.005	<1	1.10	4	170	2	<1	0.79	<4	6	24	20	1.87	0.07	51	0.33	289	<1	35	321	18	<5	20	<10	217	1849	<2	28	<10	19	27
99791	CL205435	<0.005	<1	<0.01	5	63	<2	<1	0.36	<4	8	26	11	2.13	<0.01	45	0.35	311	<1	38	322	14	<5	<5	<10	200	1987	<2	31	14	21	29

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

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Wednesday, November 27, 2013


## Final Certificate

 Iamgold  
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 Gogama, ON, CAN  
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 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310901  
 Reference: CL sample series  
 Sample #: 156

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99792	CL205436	25.041	2	4.77	<2	352	<2	<1	1.20	<4	9	27	785	2.12	0.05	64	0.40	290	<1	35	358	14	6	18	<10	183	2017	<2	31	<10	28	29
99793	CL205437	<0.005	<1	5.96	<2	290	2	<1	1.48	<4	9	32	31	2.16	<0.01	<1	0.43	295	<1	40	369	19	<5	16	<10	254	2082	<2	31	<10	30	27
99794	CL205438	<0.005	<1	8.65	10	564	3	<1	4.50	8	35	67	27	6.54	<0.01	32	1.77	1018	3	95	2078	28	<5	13	<10	734	7457	<2	156	<10	43	97
99795	CL205439	0.014	<1	5.89	10	274	2	<1	1.51	<4	9	31	21	2.16	<0.01	<1	0.46	313	<1	47	364	20	<5	30	<10	262	2056	<2	32	<10	28	25
99796	CL205440	<0.005	<1	7.65	8	423	2	<1	1.87	<4	6	39	14	2.07	0.57	5	0.39	276	1	51	349	20	<5	17	<10	286	1912	<2	27	10	28	24
99797	CL205441	<0.005	<1	7.09	8	374	<2	<1	1.63	<4	7	41	11	1.95	0.62	2	0.35	259	2	58	312	25	<5	24	<10	269	1722	<2	24	<10	24	27
99798	CL205442	<0.005	<1	4.88	7	342	<2	<1	1.36	<4	8	47	27	1.89	<0.01	2	0.31	254	3	58	309	21	<5	<5	<10	251	1689	<2	24	<10	22	48
99799	CL205443	<0.005	<1	5.20	3	374	<2	1	1.39	<4	6	29	20	1.82	<0.01	4	0.32	262	<1	36	295	28	<5	14	<10	225	1706	<2	23	<10	22	48
99800	CL205444	<0.005	<1	6.49	<2	370	<2	<1	1.60	<4	7	39	36	2.08	0.31	4	0.37	282	2	45	326	17	<5	<5	<10	240	1818	<2	26	15	24	36
99801D	CL205444	<0.005	<1	7.07	7	376	<2	<1	1.68	<4	8	37	36	2.07	0.68	<1	0.37	280	1	39	338	18	<5	25	<10	244	1815	<2	25	16	25	31
99802	CL205445	<0.005	<1	7.79	3	330	<2	<1	1.62	<4	8	58	14	2.38	0.43	8	0.45	309	7	67	400	25	<5	8	<10	289	2071	<2	32	<10	18	43
99803	CL205446	<0.005	<1	7.23	4	344	<2	<1	1.63	<4	8	53	19	2.36	0.28	4	0.43	304	5	61	351	18	<5	7	<10	264	1994	<2	30	<10	26	34
99804	CL205447	<0.005	<1	5.12	4	261	<2	<1	1.27	<4	7	50	20	2.16	0.59	<1	0.37	285	3	54	307	17	<5	<5	<10	241	1820	<2	26	13	25	26
99805	CL205448	<0.005	<1	6.73	19	368	2	5	1.65	<4	7	49	24	2.17	0.57	64	0.42	313	3	58	354	19	<5	16	<10	229	1931	<2	29	<10	28	26
99806	CL205449	<0.005	<1	3.55	5	248	<2	<1	1.01	<4	7	47	9	1.92	<0.01	<1	0.31	253	3	52	284	22	<5	11	<10	232	1614	<2	24	<10	19	31
99807	CL205450	<0.005	<1	2.60	10	220	<2	<1	0.93	<4	8	60	13	2.19	<0.01	<1	0.35	300	5	65	292	21	<5	17	<10	228	1806	<2	28	<10	19	25
99808	CL205451	0.969	<1	2.82	533	169	<2	<1	4.09	9	43	161	74	7.92	<0.01	5	2.78	1997	<1	111	1666	23	<5	<5	<10	425	7312	<2	141	<10	17	101
99809	CL205452	<0.005	<1	2.91	7	190	<2	1	1.06	<4	7	48	8	1.92	<0.01	<1	0.35	282	3	56	300	15	<5	7	<10	236	1659	<2	25	<10	19	22
99810	CL205453	<0.005	<1	4.90	5	341	<2	<1	1.24	<4	8	33	11	1.89	0.14	<1	0.39	273	2	38	338	20	<5	6	<10	230	1851	<2	28	<10	23	32
99811	CL205454	<0.005	<1	6.00	<2	388	<2	<1	1.50	<4	6	28	18	1.71	0.18	<1	0.40	288	<1	32	314	14	<5	<5	<10	182	1817	<2	27	<10	22	20

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

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Date Received: 11/01/2013  
Date Completed: 11/15/2013  
Job #: 201310901  
Reference: CL sample series  
Sample #: 156

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99812D	CL205454	<0.005	<1	7.63	8	491	<2	44	1.87	<4	8	33	20	1.78	0.38	68	0.42	302	<1	35	331	23	<5	17	<10	195	1889	<2	28	<10	23	23
99813	CL205455	<0.005	<1	7.51	6	452	<2	<1	1.81	<4	7	30	13	1.98	0.11	6	0.41	306	<1	36	340	21	<5	23	<10	220	1926	<2	28	<10	25	28
99814	CL205456	<0.005	<1	6.50	4	361	<2	<1	1.60	<4	6	35	13	2.02	0.68	4	0.40	284	<1	40	321	15	<5	22	<10	234	1880	<2	27	<10	26	32
99815	CL205457	<0.005	<1	6.22	11	302	2	<1	1.41	<4	4	39	22	1.21	0.66	9	0.26	235	<1	42	220	18	<5	13	<10	207	1231	<2	17	11	22	10
99816	CL205458	<0.005	<1	4.71	<2	460	<2	<1	0.83	<4	6	30	24	1.73	0.02	<1	0.31	235	<1	39	271	23	<5	18	<10	178	1687	<2	23	<10	23	21
99817	CL205459	<0.005	<1	3.72	15	367	<2	<1	0.49	<4	3	35	30	1.00	0.56	6	0.14	141	<1	39	182	30	<5	13	<10	173	995	<2	11	<10	18	39
99818	CL205460	<0.005	<1	0.98	10	207	<2	<1	<0.01	<4	2	28	24	0.88	0.10	<1	0.10	121	<1	42	139	32	<5	20	<10	152	793	<2	8	<10	14	35
99819	CL205461	<0.005	<1	2.23	3	164	<2	<1	0.39	<4	4	31	26	0.95	<0.01	<1	0.19	163	<1	44	168	28	<5	7	<10	200	992	<2	12	<10	17	18
99820	CL205462	<0.005	<1	2.13	8	305	<2	<1	0.51	<4	4	30	54	0.80	<0.01	<1	0.13	161	<1	34	159	67	<5	20	<10	171	893	<2	8	11	13	109
99821	CL205463	<0.005	<1	4.45	13	329	2	<1	3.06	6	24	26	22	4.83	0.02	62	1.33	784	<1	42	1514	27	<5	<5	<10	579	5744	<2	123	<10	33	80
99822	CL205464	<0.005	<1	4.66	<2	87	2	<1	1.67	<4	7	39	36	1.27	<0.01	<1	0.47	232	<1	37	268	27	5	18	<10	265	1444	<2	24	<10	23	22
99823R	CL205464	<0.005	<1	7.20	7	175	2	<1	2.25	<4	8	50	42	1.56	1.13	8	0.56	269	2	52	302	23	<5	<5	<10	296	1682	<2	28	<10	29	21
99824	CL205465	<0.005	<1	6.25	14	178	<2	20	7.06	9	46	541	17	7.44	0.25	69	4.93	1452	<1	172	314	20	<5	<5	<10	209	3305	<2	173	<10	15	101
99825	CL205466	<0.005	<1	5.05	12	<1	<2	9	6.19	10	60	684	73	8.13	0.43	27	6.09	1395	<1	225	319	23	<5	<5	<10	224	3740	<2	217	11	18	90
99826	CL205467	0.025	<1	5.62	5	<1	<2	3	5.97	9	52	610	87	7.47	0.27	29	5.31	1269	<1	203	325	18	<5	<5	<10	224	3599	11	206	<10	17	84
99827	CL205468	<0.005	<1	5.68	2	<1	<2	<1	6.43	11	53	488	93	8.20	0.24	40	5.04	1341	<1	154	355	24	<5	<5	<10	261	4115	<2	240	<10	18	104
99828	CL205469	<0.005	<1	5.29	10	262	<2	<1	3.42	<4	12	129	66	2.05	0.25	13	0.84	533	8	120	208	35	<5	7	<10	190	1320	<2	37	<10	17	47
99829	CL205470	<0.005	<1	2.69	16	172	<2	<1	0.82	<4	7	50	11	1.93	0.46	2	0.35	288	3	81	289	19	<5	<5	<10	192	1649	<2	26	<10	22	23
99830	CL205471	0.022	<1	2.01	<2	130	<2	<1	0.36	<4	7	88	112	1.22	<0.01	<1	0.12	153	14	160	127	57	<5	<5	<10	180	816	<2	12	<10	14	53
99831	CL205472	<0.005	<1	2.09	8	203	<2	<1	0.57	<4	7	72	11	1.80	0.89	<1	0.24	228	9	125	237	26	<5	28	<10	195	1362	<2	20	<10	19	25

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

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99832	CL205473	0.005	<1	2.48	10	252	<2	<1	0.67	<4	6	82	51	1.92	0.16	6	0.27	235	12	138	260	37	<5	16	<10	188	1498	<2	24	<10	19	48
99833	CL205474	<0.005	<1	2.47	<2	215	<2	<1	0.40	<4	7	83	15	1.90	<0.01	2	0.24	218	13	152	211	22	<5	<5	<10	193	1384	<2	20	10	22	25
99834D	CL205474	<0.005	<1	2.56	8	290	2	<1	0.66	<4	5	84	16	1.88	0.24	<1	0.23	215	14	148	212	20	<5	17	<10	206	1408	<2	21	13	21	26
99835	CL205475	<0.005	<1	7.18	20	502	2	9	1.48	<4	8	84	60	2.39	0.39	86	0.36	284	14	139	295	34	<5	29	<10	252	1891	<2	27	<10	32	53
99836	CL205476	1.455	<1	4.33	10	293	<2	11	2.12	10	26	43	12069	8.11	0.31	4	1.87	621	625	24	1140	36	<5	8	<10	604	3335	<2	179	<10	16	101
99837	CL205477	0.006	<1	6.52	6	425	<2	<1	1.29	<4	8	92	180	2.13	0.12	8	0.30	251	22	165	277	37	<5	11	<10	234	1567	<2	24	<10	28	59
99838	CL205478	0.007	<1	7.51	14	454	<2	4	1.29	<4	6	97	50	2.07	0.46	78	0.30	247	18	167	271	44	<5	7	<10	229	1582	<2	22	<10	30	51
99839	CL205479	0.020	<1	5.90	4	357	2	14	1.33	<4	8	71	65	1.97	0.10	69	0.29	271	13	115	238	25	<5	29	<10	240	1519	<2	21	<10	30	43
99840	CL205480	<0.005	<1	<0.01	<2	270	<2	<1	0.55	<4	6	87	27	1.97	0.39	4	0.19	248	14	153	190	27	<5	6	<10	210	1347	<2	20	<10	18	32
99841	CL205481	<0.005	<1	2.84	8	285	<2	<1	0.69	<4	5	63	20	1.72	0.13	51	0.23	215	6	101	222	22	<5	20	<10	212	1371	<2	19	<10	22	36
99842	CL205482	0.007	<1	1.90	10	<1	<2	3	0.74	<4	9	57	22	2.24	0.15	<1	0.38	279	4	101	330	14	<5	13	<10	267	1750	<2	30	<10	13	43
99843	CL205483	0.005	<1	2.87	10	80	<2	<1	1.71	<4	13	33	35	1.94	<0.01	<1	0.35	255	<1	33	370	20	<5	<5	<10	324	1841	<2	30	<10	12	36
99844	CL205484	<0.005	<1	3.51	10	306	<2	<1	1.24	<4	7	21	70	1.83	<0.01	<1	0.37	252	<1	30	372	35	<5	17	<10	264	1844	<2	35	<10	11	56
99845D	CL205484	0.007	<1	3.48	12	251	<2	<1	1.05	<4	8	23	65	1.70	<0.01	<1	0.35	234	<1	24	362	30	<5	<5	<10	250	1726	<2	32	<10	11	53
99846	CL205485	<0.005	<1	7.45	6	161	<2	<1	2.26	<4	9	30	13	2.07	0.06	8	0.46	291	<1	33	421	23	<5	11	<10	360	2005	<2	33	<10	14	46
99847	CL205486	<0.005	<1	4.37	4	<1	<2	<1	1.29	<4	7	25	8	1.95	0.09	<1	0.43	279	<1	32	369	15	<5	<5	<10	305	1830	<2	30	<10	15	40
99848	CL205487	0.066	<1	7.49	10	197	<2	<1	2.17	<4	9	35	22	2.09	0.32	<1	0.44	288	1	39	405	29	<5	13	<10	348	1939	<2	31	10	15	43
99849	CL205488	<0.005	<1	2.87	<2	146	2	<1	2.15	5	23	15	19	4.37	1.11	2	1.26	689	<1	28	1359	15	<5	13	<10	512	5260	<2	110	<10	30	64
99850	CL205489	0.008	<1	7.96	11	289	<2	<1	2.13	<4	11	26	44	2.20	0.36	63	0.48	312	1	31	384	29	<5	20	<10	297	2100	<2	32	<10	21	41
99851	CL205490	0.038	<1	6.21	5	239	<2	12	1.82	<4	12	23	15	2.37	0.82	7	0.48	327	<1	28	351	16	<5	<5	<10	265	2159	<2	34	<10	26	38

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

 Certified By:   
 Dr. David Brown, VP Quality

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Wednesday, November 27, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310901  
 Reference: CL sample series  
 Sample #: 156

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99852	CL205491	0.006	<1	5.28	9	197	<2	<1	1.49	<4	8	26	9	2.31	0.64	3	0.48	316	<1	31	335	18	<5	19	<10	251	2124	<2	35	<10	24	46
99853	CL205492	<0.005	<1	3.35	4	184	<2	<1	0.98	<4	7	17	11	1.85	0.59	1	0.37	250	<1	25	270	20	<5	8	<10	229	1741	<2	28	<10	18	40
99854	CL205493	0.006	<1	3.38	8	170	<2	4	1.17	<4	8	22	8	2.07	0.72	2	0.42	283	<1	27	309	17	<5	6	<10	227	1932	<2	32	<10	21	38
99855	CL205494	<0.005	<1	3.63	8	190	<2	<1	1.20	<4	10	21	18	2.24	0.41	<1	0.43	295	<1	25	327	21	<5	14	<10	225	2074	<2	34	<10	22	32
99856D	CL205494	<0.005	<1	2.85	2	218	<2	<1	1.14	<4	9	24	17	2.20	0.40	<1	0.41	295	<1	26	326	18	<5	<5	<10	224	2058	<2	34	<10	20	38
99857	CL205495	<0.005	<1	2.04	<2	212	<2	3	1.04	<4	10	22	109	2.32	0.11	<1	0.38	300	<1	24	316	29	<5	18	<10	209	1947	<2	33	<10	20	100
99858	CL205496	<0.005	<1	3.94	6	352	<2	<1	0.60	<4	5	25	51	1.30	0.29	<1	0.24	182	15	30	204	40	<5	25	<10	202	1252	<2	17	<10	21	45
99859	CL205497	<0.005	<1	3.73	9	337	<2	2	0.54	<4	6	25	49	1.27	0.25	<1	0.23	178	16	30	202	37	<5	<5	<10	200	1225	<2	16	<10	20	49
99860	CL205498	<0.005	<1	5.30	2	252	<2	<1	1.55	<4	8	54	31	2.20	0.38	63	0.40	286	5	91	394	29	<5	17	<10	307	1923	<2	33	<10	13	53
99861	CL205499	0.044	<1	4.77	9	228	<2	<1	1.76	4	8	46	303	2.54	0.48	49	0.42	294	6	77	377	61	5	9	<10	273	1822	<2	31	11	13	88
99862	CL205500	<0.005	<1	6.04	7	420	<2	<1	1.09	<4	5	45	74	1.70	0.32	68	0.27	219	6	74	263	55	5	28	<10	220	1518	<2	19	10	27	76

PROCEDURE CODES: ALP2, ALFA1, ALMA1, ALCuMA2

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Thursday, November 28, 2013


## Final Certificate

 Iamgold  
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 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310902  
 Reference: CL sample series  
 Sample #: 163

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99863	CL1258838	<0.005	<1	4.40	13	331	<2	<1	1.81	<4	11	57	28	2.61	0.08	<1	0.59	472	3	66	386	31	<5	<5	<10	309	1720	<2	42	<10	12	38
99864	CL1258839	0.117	<1	1.92	37	<1	<2	<1	0.51	<4	15	13	3755	3.77	<0.01	101	1.52	328	73	17	637	35	<5	<5	<10	236	1600	<2	291	<10	7	96
99865	CL1258840	<0.005	<1	<0.01	4	266	<2	<1	0.47	<4	10	41	14	2.25	0.20	105	0.33	386	3	71	295	26	<5	10	<10	216	1503	<2	38	<10	8	44
99866	CL1258841	<0.005	<1	<0.01	20	201	<2	3	0.07	<4	8	43	9	2.25	<0.01	97	0.35	346	7	83	261	21	<5	18	<10	219	1286	<2	36	<10	9	38
99867	CL1258842	<0.005	<1	3.45	4	82	<2	<1	1.02	<4	8	39	11	2.26	<0.01	83	0.47	385	1	88	328	13	6	20	<10	224	1424	<2	34	<10	12	31
99868	CL1258843	<0.005	<1	<0.01	18	118	<2	11	1.47	<4	7	40	25	1.88	<0.01	96	0.31	371	5	75	180	29	<5	11	14	267	1305	<2	33	<10	7	41
99869	CL1258844	0.012	<1	<0.01	8	245	<2	<1	1.19	<4	8	61	29	2.27	0.04	99	0.35	387	7	106	177	30	6	<5	<10	278	1585	<2	44	<10	8	43
99870	CL1258845	<0.005	<1	<0.01	8	130	<2	<1	1.41	<4	9	44	23	2.03	<0.01	100	0.31	392	5	81	257	30	<5	5	<10	269	1474	<2	33	<10	8	35
99871	CL1258846	<0.005	<1	<0.01	15	110	<2	<1	0.81	<4	8	39	11	1.69	<0.01	91	0.28	299	3	75	222	24	<5	9	<10	253	1249	<2	33	<10	7	33
99872	CL1258847	<0.005	<1	3.31	18	227	<2	<1	1.29	<4	9	51	20	2.14	<0.01	<1	0.42	328	7	79	363	25	<5	7	<10	286	1516	<2	36	<10	8	33
99873D	CL1258847	<0.005	<1	3.23	24	165	<2	<1	0.71	<4	8	42	19	1.93	<0.01	86	0.37	307	5	97	332	27	<5	5	<10	245	1408	<2	34	<10	7	36
99874	CL1258848	<0.005	<1	4.66	14	163	<2	13	0.89	<4	9	48	29	2.01	<0.01	74	0.43	331	6	114	378	26	<5	<5	<10	250	1684	<2	36	<10	10	31
99875	CL1258849	<0.005	<1	2.14	9	245	<2	<1	1.13	<4	9	63	43	2.11	0.35	99	0.37	315	9	120	300	27	9	11	<10	258	1607	<2	38	<10	9	37
99876	CL1258850	<0.005	<1	2.96	11	276	<2	2	1.99	<4	8	31	15	2.02	<0.01	99	0.40	358	5	59	254	25	<5	<5	<10	308	1672	<2	39	<10	10	33
99877	CL1258851	<0.005	<1	4.58	30	1	<2	<1	0.75	<4	7	23	9	1.60	0.28	80	0.44	261	1	52	215	16	5	8	<10	232	1378	<2	30	<10	12	33
99878	CL1258852	<0.005	<1	1.86	5	<1	<2	5	3.23	6	49	17	109	8.05	1.18	97	1.85	1261	<1	61	564	27	<5	<5	<10	235	5696	<2	258	10	21	100
99879	CL1258853	0.014	<1	2.69	9	265	<2	<1	1.96	<4	11	31	150	2.08	<0.01	99	0.45	354	5	56	244	25	<5	<5	<10	290	1598	<2	43	<10	12	40
99880	CL1258854	<0.005	<1	<0.01	15	198	<2	<1	1.54	<4	5	22	33	1.87	0.04	100	0.30	335	1	42	205	28	5	10	<10	273	1358	<2	36	<10	8	35
99881	CL1258855	<0.005	<1	<0.01	7	123	<2	<1	1.19	<4	8	28	12	2.18	<0.01	94	0.36	306	1	47	278	30	<5	<5	<10	252	1114	<2	40	<10	6	45
99882	CL1258856	<0.005	<1	<0.01	13	256	<2	<1	0.99	<4	11	19	42	1.85	<0.01	90	0.26	262	3	36	248	27	<5	<5	<10	222	1158	<2	32	<10	6	33

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Dr. David Brown, VP Quality

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Thursday, November 28, 2013


### Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310902  
 Reference: CL sample series  
 Sample #: 163

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99883	CL1258857	<0.005	<1	1.61	3	227	<2	<1	0.98	<4	7	21	25	1.76	0.78	81	0.28	331	<1	40	262	25	<5	10	<10	235	1369	<2	31	<10	6	31
99884D	CL1258857	<0.005	<1	1.48	18	179	<2	22	0.90	<4	6	20	24	1.74	0.24	86	0.33	328	<1	50	298	29	<5	8	<10	229	1403	<2	30	<10	7	36
99885	CL1258858	<0.005	<1	4.00	16	462	<2	<1	1.19	<4	12	19	26	2.02	<0.01	96	0.44	364	2	57	528	30	<5	26	<10	235	1709	<2	40	<10	8	40
99886	CL1258859	<0.005	<1	2.45	7	405	<2	<1	0.72	<4	8	25	16	1.98	0.14	83	0.42	340	<1	93	502	27	<5	<5	<10	211	1422	<2	38	<10	5	40
99887	CL1258860	<0.005	<1	3.14	19	681	<2	<1	1.05	<4	12	25	18	2.42	0.23	99	0.53	319	<1	45	432	24	<5	<5	<10	230	1622	<2	43	<10	8	43
99888	CL1258861	<0.005	<1	7.45	22	469	2	9	2.17	<4	23	40	13	2.47	<0.01	117	0.77	394	2	41	411	33	<5	<5	<10	313	2037	<2	46	<10	12	54
99889	CL1258862	<0.005	<1	3.84	10	<1	<2	<1	1.30	4	21	184	5	4.84	1.21	114	2.31	731	<1	64	735	20	5	<5	10	212	2482	<2	91	<10	15	118
99890	CL1258863	<0.005	<1	5.95	15	236	<2	3	0.74	<4	4	25	24	1.21	<0.01	88	0.42	206	1	47	291	28	<5	7	<10	212	1263	<2	38	<10	9	30
99891	CL1258864	<0.005	<1	1.98	8	611	2	3	3.08	<4	6	17	19	1.66	<0.01	92	0.37	428	2	32	209	27	<5	8	<10	299	1621	<2	42	<10	7	36
99892	CL1258865	0.526	<1	3.19	229	46	<2	<1	4.87	6	58	223	61	8.22	<0.01	97	3.19	1356	<1	141	1519	23	5	6	<10	512	9003	<2	159	<10	17	116
99893	CL1258866	<0.005	<1	<0.01	4	460	<2	<1	1.16	<4	11	15	18	2.18	0.29	83	0.40	410	<1	22	324	30	<5	13	<10	286	1675	<2	39	<10	7	40
99894	CL1258867	0.007	<1	<0.01	7	268	<2	<1	0.87	<4	10	18	32	1.82	0.22	75	0.32	325	<1	33	273	27	7	<5	<10	261	1679	<2	38	<10	9	42
99895D	CL1258867	<0.005	<1	<0.01	19	204	<2	<1	0.45	<4	9	11	28	1.55	0.41	77	0.29	282	<1	27	269	27	<5	<5	<10	240	1543	<2	33	<10	7	34
99896	CL1258868	0.066	<1	2.49	23	608	<2	<1	2.05	<4	5	37	276	1.57	0.05	75	0.28	434	4	87	385	25	<5	<5	<10	234	1624	<2	54	<10	6	26
99897	CL1258869	0.097	<1	3.04	5	452	<2	<1	0.56	<4	11	19	592	2.38	<0.01	81	0.51	415	<1	62	522	21	<5	<5	<10	236	2130	<2	51	<10	4	57
99898	CL1258870	<0.005	<1	5.19	14	222	<2	<1	1.00	<4	9	26	12	1.87	<0.01	<1	0.42	350	<1	47	393	33	<5	<5	<10	267	1824	<2	33	<10	10	41
99899	CL1258871	<0.005	<1	1.81	9	<1	<2	<1	0.59	<4	9	23	8	2.10	<0.01	<1	0.41	331	<1	42	292	23	<5	<5	<10	256	1388	<2	33	<10	11	42
99900	CL1258872	<0.005	<1	7.15	23	350	<2	<1	2.13	<4	11	36	18	2.61	0.12	<1	0.57	431	4	51	386	22	7	<5	<10	329	1971	<2	39	<10	15	60
99901	CL1258873	<0.005	<1	6.91	14	<1	<2	<1	0.53	<4	10	21	7	2.24	0.05	79	0.55	343	<1	52	352	14	<5	10	10	261	1876	<2	35	<10	15	50
99902	CL1258874	<0.005	<1	0.16	10	188	<2	<1	1.73	<4	10	43	9	2.56	0.19	<1	0.39	412	5	58	321	35	<5	<5	<10	374	1985	<2	39	<10	9	58

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310902  
 Reference: CL sample series  
 Sample #: 163

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
99903	CL1258875	<0.005	<1	1.84	12	<1	<2	3	0.92	<4	11	10	13	2.57	0.98	81	0.48	408	<1	30	331	26	<5	10	<10	308	1907	<2	36	<10	13	57
99904	CL1258876	<0.005	<1	<0.01	20	109	<2	<1	0.66	<4	11	19	13	2.48	0.41	86	0.36	388	<1	31	290	29	<5	<5	<10	298	1861	<2	39	<10	9	60
99905	CL1258877	<0.005	<1	<0.01	10	87	<2	3	0.59	<4	12	26	10	2.36	0.55	85	0.32	375	<1	48	265	29	7	13	<10	307	1774	<2	38	<10	8	61
99906D	CL1258877	<0.005	<1	<0.01	8	<1	<2	5	0.21	<4	10	16	9	2.14	0.70	81	0.32	344	<1	35	282	21	<5	<5	<10	282	1728	<2	34	<10	7	47
99907	CL1258878	<0.005	<1	2.08	9	226	<2	<1	0.57	<4	11	29	10	2.08	0.69	79	0.43	325	2	59	392	31	<5	<5	<10	242	1853	<2	39	<10	8	46
99908	CL1258879	<0.005	<1	3.99	13	<1	<2	32	4.35	8	59	28	133	10.22	0.50	90	2.49	1581	<1	94	728	26	5	<5	<10	267	7026	<2	321	<10	26	121
99909	CL1258880	<0.005	<1	0.54	25	15	<2	<1	0.53	<4	9	28	12	2.20	0.55	84	0.37	334	2	65	377	29	<5	<5	<10	313	1961	<2	38	<10	8	49
99910	CL1258881	<0.005	<1	4.25	22	<1	<2	10	0.52	<4	10	37	22	2.36	0.02	81	0.52	331	3	91	409	27	<5	<5	<10	297	2003	<2	40	<10	11	62
99911	CL1258882	<0.005	<1	4.88	18	<1	<2	<1	1.17	<4	10	22	14	2.52	0.41	93	0.51	394	<1	45	324	19	<5	23	<10	360	2017	<2	40	<10	14	56
99912	CL1258883	<0.005	<1	1.06	11	110	<2	<1	1.32	<4	9	37	12	2.58	1.79	91	0.45	414	2	60	355	27	<5	<5	<10	338	2017	<2	45	<10	13	61
99913	CL1258884	<0.005	<1	3.40	10	15	<2	7	0.73	<4	9	28	9	2.16	0.16	88	0.45	307	4	55	241	25	<5	8	<10	275	1711	<2	36	<10	11	50
99914	CL1258885	<0.005	<1	4.27	8	34	<2	4	1.10	<4	9	27	10	2.33	0.26	99	0.52	365	2	55	305	23	<5	13	<10	301	1832	<2	39	<10	12	65
99915	CL1258886	<0.005	<1	1.09	18	92	<2	4	0.96	<4	9	48	12	2.49	0.21	99	0.45	350	8	82	302	23	<5	<5	<10	327	1759	<2	42	<10	11	58
99916	CL1258887	<0.005	<1	2.14	23	97	<2	<1	1.15	<4	12	32	14	2.94	0.28	97	0.57	413	4	66	306	32	<5	9	<10	321	1962	<2	47	10	10	77
99917D	CL1258887	<0.005	<1	2.36	11	49	<2	<1	0.67	<4	10	33	14	2.76	0.65	88	0.47	390	3	60	315	30	<5	7	<10	300	1814	<2	45	<10	8	67
99918	CL1258888	<0.005	<1	0.48	8	<1	<2	16	0.55	<4	10	20	13	2.33	0.66	84	0.48	339	<1	40	263	17	<5	<5	<10	270	1611	<2	38	<10	9	58
99919	CL1258889	<0.005	<1	1.39	21	<1	<2	9	1.07	<4	9	40	13	2.59	0.42	91	0.43	388	5	76	362	30	<5	13	<10	347	1866	<2	41	<10	10	56
99920	CL1258890	<0.005	<1	0.86	20	<1	<2	<1	0.71	<4	5	34	17	2.01	0.50	82	0.40	322	2	65	345	35	5	<5	<10	293	1716	<2	34	<10	9	48
99921	CL1258891	<0.005	<1	1.96	2	104	<2	15	0.24	<4	11	36	13	2.32	0.38	86	0.46	339	3	82	396	23	6	11	<10	265	1995	<2	42	<10	9	59
99922	CL1258892	1.831	<1	3.91	660	93	<2	6	4.04	7	51	191	80	8.80	<0.01	91	2.84	1797	<1	151	1718	33	<5	<5	<10	459	7960	<2	148	<10	14	109

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Chester 1 Camp, 3 Mesomikenda Lake Rd  
Gogama, ON, CAN  
P0M1W0  
Ph#: (416) 363-8567  
Fax#: (416) 216-8535  
Email: Alan\_Smith@iamgold.com

Date Received: 11/01/2013  
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Reference: CL sample series  
Sample #: 163

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99923	CL1258893	<0.005	<1	3.95	7	140	<2	<1	0.93	<4	9	36	13	2.54	0.75	87	0.54	353	4	67	364	21	<5	<5	<10	315	1843	<2	41	<10	12	53
99924	CL1258894	<0.005	<1	2.99	10	<1	<2	<1	0.31	<4	9	30	11	2.03	1.22	73	0.42	279	2	69	286	17	<5	10	<10	264	1530	<2	32	<10	10	42
99925	CL1258895	<0.005	<1	5.39	15	81	<2	3	1.54	<4	11	36	16	2.48	0.51	84	0.55	378	<1	65	385	14	<5	<5	<10	309	1973	<2	41	<10	14	48
99926	CL1258896	<0.005	<1	1.62	<2	103	<2	<1	0.73	<4	9	28	10	1.98	0.48	74	0.39	332	2	53	286	22	<5	9	<10	258	1628	<2	32	<10	8	43
99927	CL1258897	<0.005	<1	1.76	10	<1	<2	<1	0.97	<4	10	50	12	2.61	0.28	73	0.40	373	7	75	285	21	<5	<5	<10	324	1775	<2	38	<10	9	49
99928R	CL1258897	<0.005	<1	1.54	6	<1	<2	<1	0.84	<4	8	21	11	2.37	0.39	77	0.34	362	<1	31	268	23	<5	10	<10	324	1813	<2	37	<10	8	58
99929	CL1258898	0.005	<1	3.75	13	44	<2	5	0.85	<4	11	28	20	2.66	0.28	66	0.47	364	2	39	334	25	<5	11	<10	298	1960	<2	42	<10	10	49
99930	CL1258899	<0.005	<1	1.17	12	59	<2	2	0.81	<4	9	33	58	2.40	0.11	68	0.40	370	3	49	313	24	<5	6	<10	310	1944	<2	40	<10	8	47
99931	CL1258900	0.012	<1	4.65	11	91	<2	<1	1.68	<4	11	43	68	2.73	0.21	90	0.51	412	6	56	326	34	<5	9	<10	408	2193	<2	43	<10	12	89
99932	CL1258901	<0.005	<1	4.31	13	<1	<2	<1	1.68	<4	10	48	25	2.53	0.56	71	0.49	388	5	62	309	30	<5	<5	<10	399	1930	<2	40	<10	12	207
99933	CL1258902	<0.005	<1	1.63	<2	<1	<2	1	1.34	<4	10	45	36	2.54	0.38	69	0.49	388	5	62	232	27	<5	<5	<10	391	2096	<2	38	<10	9	57
99934	CL1258903	<0.005	<1	4.73	17	<1	<2	<1	1.44	<4	21	45	59	2.68	0.03	82	0.75	408	5	67	303	29	<5	6	<10	404	2102	<2	39	<10	14	64
99935	CL1258904	0.006	<1	8.06	16	49	<2	<1	4.45	5	36	496	21	7.44	<0.01	120	3.81	1228	<1	143	1514	24	<5	<5	<10	274	4652	<2	146	<10	19	185
99936	CL1258905	<0.005	<1	4.54	22	95	<2	14	5.05	9	61	42	145	10.60	<0.01	105	2.47	1632	<1	81	791	33	<5	<5	<10	312	7116	<2	330	<10	25	126
99937	CL1258906	0.013	<1	4.04	9	<1	<2	<1	1.39	<4	14	71	66	3.09	0.41	82	0.93	479	<1	57	308	28	<5	<5	<10	430	2118	<2	44	<10	10	67
99938	CL1258907	<0.005	<1	2.80	16	<1	<2	11	1.10	<4	12	40	27	2.74	0.42	72	0.62	430	2	59	346	17	<5	<5	<10	395	2508	<2	45	<10	10	57
99939D	CL1258907	<0.005	<1	2.85	16	<1	<2	<1	1.15	<4	12	40	29	2.84	0.42	70	0.63	446	2	65	369	23	<5	<5	<10	405	2658	<2	47	<10	10	63
99940	CL1258908	<0.005	<1	3.09	24	41	<2	<1	0.79	<4	8	34	22	1.97	0.49	59	0.41	305	2	61	389	32	<5	8	<10	384	2005	<2	35	<10	10	50
99941	CL1258909	<0.005	<1	2.39	26	94	2	<1	1.02	<4	6	30	10	1.94	0.58	59	0.40	330	2	44	362	22	<5	<5	<10	422	1947	<2	31	<10	11	89
99942	CL1258910	<0.005	1	2.90	20	54	2	<1	1.23	<4	5	30	10	1.28	1.20	66	0.28	233	4	41	275	32	<5	14	<10	413	1589	<2	25	<10	10	44

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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99943	CL1258911	0.005	<1	3.81	4	85	2	<1	0.69	<4	8	27	8	1.69	0.36	65	0.44	255	1	58	221	34	<5	14	<10	367	1890	<2	35	<10	10	47
99944	CL1258912	<0.005	<1	5.09	11	114	2	<1	1.41	<4	5	29	10	1.85	0.69	70	0.46	291	2	63	257	20	<5	7	<10	404	1621	<2	35	<10	12	48
99945	CL1258913	<0.005	<1	1.29	9	197	<2	<1	1.14	<4	8	45	13	2.06	0.01	67	0.34	294	8	88	209	30	<5	<5	<10	395	1609	<2	38	<10	11	41
99946	CL1258914	0.005	<1	<0.01	3	114	<2	<1	0.84	<4	8	55	12	2.13	<0.01	62	0.27	282	8	92	230	23	<5	6	<10	362	1426	<2	32	<10	8	40
99947	CL1258915	<0.005	<1	0.25	6	89	<2	<1	0.54	<4	9	56	11	2.13	0.53	66	0.35	264	7	80	272	25	<5	<5	<10	333	1422	<2	33	<10	8	49
99948	CL1258916	<0.005	<1	<0.01	9	53	<2	<1	0.37	<4	8	53	30	2.07	0.83	62	0.32	261	8	86	292	21	<5	<5	<10	325	1466	<2	33	<10	8	61
99949	CL1258917	<0.005	<1	1.51	7	<1	<2	3	0.17	<4	6	40	15	1.51	0.46	55	0.28	211	3	68	243	22	<5	<5	<10	254	1513	<2	27	<10	6	50
99950D	CL1258917	<0.005	<1	1.66	17	<1	<2	8	0.47	<4	7	50	17	1.58	0.82	61	0.31	225	5	79	323	21	<5	5	<10	277	1655	<2	29	<10	7	44
99951	CL1258918	1.221	17	1.32	281	495	<2	9	0.51	4	19	268	119	4.63	0.67	82	0.78	351	<1	57	797	291	43	<5	<10	556	3540	<2	89	11	5	108
99952	CL1258919	0.007	<1	2.79	<2	181	<2	<1	0.46	<4	9	59	14	1.91	0.54	72	0.39	263	7	106	390	26	<5	6	<10	308	1736	<2	36	<10	8	41
99953	CL1258920	<0.005	<1	5.42	6	<1	<2	10	1.74	<4	15	71	22	3.47	0.46	91	1.08	487	4	95	444	27	<5	6	<10	418	2843	<2	67	<10	13	65
99954	CL1258921	0.008	<1	6.95	22	<1	<2	13	4.23	5	40	606	36	6.82	0.63	119	3.95	1122	1	262	1415	21	<5	10	<10	197	3591	<2	96	<10	17	186
99955	CL1258922	<0.005	<1	7.28	14	194	2	12	1.24	<4	11	48	12	2.22	0.16	93	0.95	324	<1	62	392	25	6	<5	<10	330	2389	<2	50	<10	13	61
99956	CL1258923	<0.005	<1	8.09	14	184	<2	1	1.46	<4	8	45	21	1.98	0.29	81	0.54	260	5	63	343	28	<5	<5	<10	374	1862	<2	37	<10	15	49
99957	CL1258924	0.006	<1	3.97	<2	181	<2	<1	1.31	<4	7	48	20	2.36	0.22	74	0.38	281	7	87	282	28	<5	14	<10	378	1592	<2	33	<10	10	38
99958	CL1258925	0.006	<1	<0.01	2	<1	<2	18	0.10	<4	7	31	18	1.78	1.03	57	0.26	219	<1	53	171	21	<5	13	<10	292	1167	<2	25	<10	7	33
99959	CL1258926	<0.005	<1	0.15	25	49	<2	<1	0.99	<4	7	63	16	2.22	0.41	71	0.31	275	8	96	237	25	5	<5	<10	359	1515	<2	34	<10	8	40
99960	CL1258927	0.006	<1	<0.01	17	94	<2	<1	0.73	<4	10	39	32	1.99	0.66	64	0.35	257	<1	39	289	21	<5	5	<10	348	1649	<2	37	<10	8	44
99961D	CL1258927	<0.005	<1	<0.01	9	<1	<2	<1	0.35	<4	9	33	31	1.96	0.68	53	0.34	251	<1	37	266	22	<5	18	<10	327	1599	<2	35	<10	7	41
99962	CL1258928	0.005	<1	0.03	<2	<1	<2	<1	0.07	<4	6	28	17	1.09	0.71	52	0.22	177	<1	42	185	21	<5	18	<10	278	1435	<2	21	<10	9	37

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99963	CL1258929	0.008	<1	0.68	11	63	<2	<1	0.42	<4	5	45	30	0.86	0.52	61	0.19	157	3	57	143	28	<5	<5	<10	272	1258	<2	16	<10	11	36
99964	CL1258930	<0.005	<1	3.05	13	<1	2	9	5.21	<4	45	555	72	5.38	0.28	108	4.18	1092	<1	292	1916	17	<5	<5	<10	202	4546	5	140	<10	15	188
99965	CL1258931	0.010	<1	7.29	14	158	<2	18	5.16	8	60	41	141	10.34	0.49	99	2.50	1595	<1	77	788	37	6	<5	<10	317	7295	<2	326	<10	29	137
99966	CL1258932	0.007	<1	4.33	9	175	2	<1	1.06	<4	7	41	43	1.13	0.63	78	0.34	203	2	37	107	21	<5	21	<10	271	1413	<2	23	<10	8	42
99967	CL1258933	<0.005	<1	3.92	17	<1	<2	<1	<0.01	<4	2	25	11	0.35	0.54	54	0.09	<100	<1	33	<100	14	6	33	<10	206	960	<2	8	<10	17	19
99968	CL1258934	<0.005	<1	4.28	11	<1	2	<1	<0.01	<4	2	47	10	0.56	0.88	58	0.16	<100	<1	46	<100	21	<5	14	<10	243	1103	<2	12	<10	15	21
99969	CL1258935	<0.005	<1	3.65	7	281	2	<1	0.49	<4	5	47	17	0.76	0.41	76	0.20	114	7	66	<100	23	<5	7	<10	263	1215	<2	16	<10	15	35
99970	CL1258936	<0.005	<1	<0.01	11	199	2	<1	0.27	<4	2	51	24	0.63	0.48	63	0.09	<100	4	72	<100	25	<5	<5	<10	236	1084	<2	18	<10	10	28
99971	CL1258937	<0.005	<1	<0.01	9	145	<2	<1	<0.01	<4	4	50	38	0.69	0.53	54	0.08	106	6	62	<100	22	<5	<5	<10	217	1151	<2	17	<10	6	26
99972D	CL1258937	<0.005	<1	<0.01	5	154	<2	<1	<0.01	<4	3	50	36	0.62	0.49	57	0.09	<100	3	54	<100	19	<5	<5	<10	212	1118	<2	16	<10	7	19
99973	CL1258938	<0.005	<1	<0.01	5	148	<2	<1	0.35	<4	3	39	15	0.73	0.34	56	0.12	146	2	45	<100	26	<5	5	<10	223	1110	<2	14	<10	6	31
99974	CL1258939	<0.005	<1	<0.01	3	203	<2	<1	<0.01	<4	4	44	13	0.80	0.20	58	0.12	129	2	52	<100	27	<5	<5	<10	221	1142	<2	18	<10	5	28
99975	CL1258940	<0.005	<1	3.11	8	164	2	<1	0.26	<4	9	42	11	2.02	<0.01	<1	0.63	347	<1	46	245	23	<5	13	<10	320	2650	<2	44	<10	8	75
99976	CL1258941	<0.005	<1	6.37	13	134	<2	2	0.80	<4	7	54	8	1.47	<0.01	<1	0.44	229	2	39	380	23	<5	<5	<10	337	1749	<2	29	<10	9	41
99977	CL1258942	<0.005	<1	1.53	<2	<1	<2	<1	0.19	<4	8	75	10	2.70	<0.01	<1	0.75	414	<1	42	301	15	<5	12	<10	312	2319	<2	47	<10	11	55
99978	CL1258943	<0.005	<1	5.33	3	150	<2	<1	1.40	<4	7	67	14	1.95	0.20	<1	0.49	294	5	33	292	29	5	<5	<10	366	1776	<2	37	<10	10	53
99979	CL1258944	0.106	<1	5.74	34	<1	<2	<1	1.28	<4	17	19	4322	4.46	0.09	<1	1.92	379	86	12	730	30	<5	<5	<10	290	1913	<2	331	<10	10	105
99980	CL1258945	<0.005	<1	4.42	16	207	2	<1	1.80	<4	6	79	20	1.94	<0.01	<1	0.38	288	4	23	277	29	<5	7	<10	435	1599	<2	36	<10	10	50
99981	CL1258946	<0.005	<1	3.32	9	182	<2	<1	1.38	<4	7	70	15	1.83	0.25	<1	0.38	263	2	19	215	24	<5	16	<10	361	1718	<2	32	<10	8	52
99982	CL1258947	<0.005	<1	2.21	21	190	<2	10	1.15	<4	8	56	12	1.96	0.15	<1	0.36	261	2	22	244	20	<5	13	15	326	1477	<2	30	<10	8	40

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99983D	CL1258947	<0.005	<1	1.40	4	233	<2	<1	1.10	<4	10	64	13	2.09	0.77	<1	0.34	277	3	23	298	20	<5	<5	<10	334	1537	<2	33	<10	8	41
99984	CL1258948	<0.005	<1	9.92	15	245	<2	<1	1.45	<4	9	56	25	2.04	0.24	<1	0.48	254	1	25	409	25	<5	7	<10	345	1688	<2	31	<10	13	38
99985	CL1258949	<0.005	<1	0.26	4	188	<2	<1	1.39	<4	8	73	16	2.07	0.04	<1	0.29	285	4	24	318	30	<5	8	<10	376	1554	<2	33	<10	8	46
99986	CL1258950	<0.005	<1	0.57	5	126	<2	<1	0.94	<4	6	59	9	1.79	<0.01	<1	0.28	251	2	25	312	25	<5	6	<10	346	1543	<2	29	<10	7	46
99987	CL1258951	<0.005	<1	1.47	17	<1	<2	<1	0.53	<4	5	55	11	1.70	0.57	<1	0.28	236	<1	30	335	24	<5	<5	<10	320	1444	<2	26	<10	7	43
99988	CL1258952	<0.005	<1	4.36	6	60	<2	<1	1.12	<4	8	73	17	1.97	0.06	<1	0.37	281	2	35	394	18	<5	<5	<10	370	1670	<2	31	<10	8	44
99989	CL1258953	<0.005	<1	3.32	<2	78	<2	<1	0.99	<4	7	67	13	1.81	0.21	<1	0.35	257	2	27	293	24	8	<5	<10	356	1631	<2	30	<10	7	44
99990	CL1258954	<0.005	<1	3.00	5	90	<2	2	1.54	<4	7	93	26	2.18	0.49	<1	0.36	297	4	26	320	23	<5	<5	<10	413	1739	<2	33	<10	8	45
99991	CL1258955	<0.005	<1	3.30	6	315	<2	<1	0.96	<4	7	86	15	1.62	0.34	<1	0.34	242	6	25	202	22	<5	17	<10	330	1666	<2	29	<10	7	48
99992	CL1258956	<0.005	<1	3.65	14	150	<2	<1	1.82	<4	9	101	17	2.22	0.58	<1	0.39	342	7	40	313	28	8	<5	<10	399	1634	<2	33	<10	8	52
99993	CL1258957	<0.005	<1	5.77	11	67	<2	26	5.09	6	61	72	127	9.79	1.06	<1	2.31	1512	<1	60	683	30	<5	<5	10	324	6625	<2	302	<10	26	122
99995	CL1258958	<0.005	<1	2.40	16	233	<2	<1	1.29	<4	9	67	22	2.24	0.45	<1	0.38	324	4	37	319	33	<5	19	<10	381	1890	<2	38	<10	8	70
99996	CL1258959	0.008	<1	4.17	10	62	<2	3	2.15	<4	8	79	87	2.21	0.48	<1	0.42	325	6	46	369	26	<5	<5	<10	402	1681	<2	31	<10	14	63
99997	CL1258960	0.005	<1	7.44	124	172	<2	<1	2.60	<4	16	87	219	2.73	0.42	<1	0.51	373	9	145	397	44	9	<5	11	408	1920	<2	44	<10	15	108
99998	CL1258961	<0.005	<1	3.80	42	382	<2	<1	2.58	<4	10	97	86	2.12	<0.01	<1	0.41	360	8	78	297	38	<5	24	<10	323	1781	<2	38	<10	13	59
99999	CL1258962	0.008	<1	3.03	11	182	<2	<1	2.14	<4	11	58	44	2.37	0.08	<1	0.48	372	6	52	250	37	<5	12	<10	364	2214	<2	41	<10	16	60
100000	CL1258963	0.043	<1	2.16	17	128	<2	8	2.25	<4	23	90	1980	3.26	<0.01	<1	0.58	415	5	53	271	30	<5	16	<10	325	1768	<2	38	<10	12	121
100001	CL1258964	0.017	<1	2.60	24	66	<2	<1	1.70	<4	9	69	20	2.05	0.09	<1	0.36	297	7	53	256	22	<5	<5	<10	380	1798	<2	31	<10	12	62
100002	CL1258965	<0.005	<1	0.36	6	51	<2	2	1.77	<4	9	67	22	2.11	0.41	<1	0.27	296	5	36	225	34	<5	<5	<10	383	1775	<2	32	<10	8	59
100003	CL1258966	<0.005	<1	<0.01	10	26	<2	6	1.59	<4	9	97	20	2.47	0.35	<1	0.32	341	7	40	771	34	<5	<5	<10	391	1794	<2	37	<10	17	75

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Thursday, November 28, 2013


## Final Certificate

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 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310902  
 Reference: CL sample series  
 Sample #: 163

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100004	CL1258967	<0.005	<1	0.29	12	<1	<2	3	1.89	<4	9	98	14	1.98	0.47	<1	0.22	336	8	54	299	24	<5	<5	<10	425	1765	<2	32	<10	9	48
100005D	CL1258967	0.005	<1	<0.01	11	<1	<2	<1	1.52	<4	8	92	12	1.66	0.30	<1	0.19	287	7	48	275	32	<5	<5	<10	382	1586	<2	27	<10	7	43
100006	CL1258968	<0.005	<1	0.52	<2	<1	<2	<1	1.14	<4	8	81	13	1.90	0.55	<1	0.25	295	6	54	374	34	<5	<5	<10	360	1711	<2	30	<10	9	64
100007	CL1258969	<0.005	<1	2.74	9	128	<2	3	2.14	<4	10	82	18	2.30	0.54	<1	0.35	375	6	45	301	23	<5	9	<10	414	2026	<2	36	<10	12	67
100008	CL1258970	0.529	<1	7.22	204	161	<2	9	5.76	5	59	231	60	8.41	0.69	<1	3.36	1371	<1	126	1527	27	<5	12	<10	577	9217	<2	160	<10	19	105
100009	CL1258971	0.011	<1	9.27	15	172	<2	3	3.00	<4	13	80	41	2.75	0.08	<1	0.53	412	7	44	505	32	<5	16	<10	471	2666	<2	41	<10	25	82
100010	CL1258972	<0.005	<1	9.14	3	10	<2	<1	1.60	<4	10	50	18	2.23	<0.01	<1	0.50	345	1	44	429	23	<5	28	<10	361	1988	<2	30	<10	18	60
100011	CL1258973	<0.005	<1	8.52	10	179	<2	<1	2.58	<4	11	89	22	2.65	0.05	<1	0.46	409	9	52	314	28	<5	12	<10	450	2215	<2	34	<10	16	81
100012	CL1258974	<0.005	<1	5.92	13	229	<2	3	2.39	<4	10	103	19	2.67	0.05	<1	0.42	407	17	123	336	32	<5	25	<10	398	1940	<2	34	<10	13	79
100013	CL1258975	<0.005	<1	4.11	3	338	<2	<1	2.45	<4	8	61	20	2.27	0.12	<1	0.38	339	6	44	281	27	<5	20	<10	374	1831	<2	30	<10	12	57
100014	CL1258976	<0.005	<1	0.49	6	139	<2	<1	1.46	<4	8	124	15	2.56	0.10	<1	0.31	355	16	136	252	31	<5	<5	<10	359	1599	<2	35	<10	9	62
100015	CL1258977	<0.005	<1	<0.01	25	161	<2	<1	1.22	<4	10	151	26	2.80	1.26	<1	0.24	422	21	147	342	34	<5	6	<10	383	1709	<2	39	<10	9	69
100016D	CL1258977	<0.005	<1	<0.01	5	133	<2	<1	1.32	<4	9	137	26	2.69	0.06	<1	0.21	413	17	123	241	35	<5	<5	<10	380	1674	<2	37	<10	7	77
100017	CL1258978	0.006	<1	<0.01	16	130	<2	<1	1.07	<4	10	112	25	2.39	0.20	<1	0.23	358	11	79	379	27	<5	<5	<10	367	1720	<2	36	<10	8	66
100018	CL1258979	0.007	<1	<0.01	22	109	<2	<1	1.15	<4	9	108	39	2.27	0.67	<1	0.24	333	14	114	349	28	<5	<5	<10	338	1534	<2	35	<10	7	61
100019	CL1258980	<0.005	<1	5.32	18	72	<2	3	1.93	<4	11	154	15	2.92	0.24	<1	0.54	395	18	132	370	33	<5	13	<10	400	1834	<2	43	<10	13	80
100020	CL1258981	<0.005	<1	6.71	11	120	<2	4	2.15	<4	11	124	14	2.47	0.28	<1	0.37	328	15	117	274	35	5	23	<10	391	1587	<2	35	<10	11	84
100021	CL1258982	<0.005	<1	9.52	17	219	<2	3	1.95	<4	10	114	16	2.84	0.03	<1	0.58	375	17	122	370	33	<5	<5	<10	400	1883	<2	42	10	17	59
100022	CL1258983	0.006	<1	2.23	4	<1	<2	<1	2.21	4	42	35	89	6.96	0.18	<1	1.80	1143	<1	62	492	23	<5	<5	<10	208	4838	<2	208	<10	21	84
100023	CL1258984	<0.005	<1	7.63	7	81	<2	2	1.91	<4	10	52	42	2.75	0.17	<1	0.60	361	10	120	328	23	<5	14	<10	279	1795	<2	39	<10	14	120

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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## Final Certificate

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 Date Received: 11/01/2013  
 Date Completed: 11/15/2013  
 Job #: 201310902  
 Reference: CL sample series  
 Sample #: 163

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100024	CL1258985	0.006	<1	5.25	16	198	<2	<1	1.79	<4	9	96	12	2.71	0.21	<1	0.41	317	19	142	251	22	5	<5	<10	424	1567	<2	33	<10	12	58
100025	CL1258986	<0.005	<1	2.16	12	103	2	<1	2.09	<4	10	139	28	3.18	0.26	<1	0.54	387	21	156	284	25	<5	<5	<10	525	1684	<2	47	<10	11	59
100026	CL1258987	0.006	<1	4.45	14	<1	<2	16	7.04	5	55	693	26	8.27	0.40	15	5.33	1827	<1	223	2124	18	<5	<5	<10	232	5268	8	200	<10	20	235
100027D	CL1258987	<0.005	<1	4.71	16	<1	<2	25	7.51	5	53	692	26	8.04	<0.01	26	5.45	1746	<1	209	2217	29	7	11	<10	254	5338	<2	195	<10	25	221
100028	CL1258988	<0.005	<1	<0.01	5	113	<2	<1	1.56	<4	10	130	34	2.53	0.04	<1	0.32	343	13	115	303	30	<5	<5	<10	497	1619	<2	40	<10	8	56
100029	CL1258989	<0.005	<1	<0.01	16	184	<2	<1	1.42	<4	6	95	14	2.18	0.19	<1	0.22	308	10	75	305	36	<5	8	<10	458	1637	<2	35	<10	7	55
100030	CL1258990	<0.005	<1	<0.01	12	160	<2	<1	1.58	<4	9	106	14	2.44	0.02	<1	0.21	324	14	103	311	26	<5	<5	<10	448	1772	<2	35	<10	6	64
100031	CL1258991	<0.005	<1	3.50	10	194	<2	4	1.82	<4	9	111	17	2.80	0.20	<1	0.37	374	14	100	298	29	7	9	<10	424	1789	<2	39	<10	8	60
100032	CL1258992	0.008	<1	4.00	7	246	<2	<1	1.59	<4	11	120	38	2.62	0.72	<1	0.40	328	13	100	250	30	<5	17	<10	377	1670	<2	38	<10	8	70
100033	CL1258993	<0.005	<1	5.67	13	321	<2	<1	1.93	<4	6	106	14	1.93	0.54	<1	0.40	273	11	85	300	33	<5	6	<10	351	1581	<2	34	<10	11	34
100034	CL1258994	0.057	<1	7.77	17	154	<2	3	1.75	<4	10	92	14	2.43	0.41	<1	0.48	318	11	89	280	28	<5	18	<10	364	1638	<2	33	<10	13	46
100035	CL1258995	<0.005	<1	7.89	14	185	<2	<1	2.27	<4	10	65	16	2.51	0.09	<1	0.47	355	11	92	317	32	<5	7	<10	363	1768	<2	32	<10	13	58
100036	CL1258996	1.831	<1	6.60	692	253	<2	25	6.11	7	60	244	94	10.65	0.47	<1	3.48	2140	<1	136	1930	32	<5	<5	12	600	9178	<2	173	<10	21	130
100037	CL1258997	0.008	<1	0.25	15	120	<2	16	1.64	<4	9	112	11	2.46	0.46	<1	0.30	376	14	96	229	26	<5	<5	<10	376	1486	<2	33	12	9	59
100038D	CL1258997	<0.005	<1	<0.01	<2	153	<2	<1	1.68	<4	9	91	11	2.39	0.24	<1	0.28	364	14	95	222	27	<5	6	<10	374	1450	<2	31	<10	7	57
100039	CL1258998	<0.005	<1	<0.01	7	136	<2	<1	1.88	<4	9	102	14	2.55	0.41	<1	0.24	438	12	81	227	26	<5	<5	<10	407	1565	<2	35	<10	7	72
100040	CL1258999	0.005	<1	<0.01	8	69	<2	<1	1.35	<4	10	96	26	2.47	<0.01	<1	0.24	382	10	86	262	36	<5	5	<10	383	1590	<2	35	<10	7	82
100041	CL1259000	<0.005	<1	<0.01	19	227	<2	<1	1.13	<4	10	74	13	2.38	0.16	<1	0.35	299	10	78	333	33	<5	7	10	345	1387	<2	34	<10	8	60

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Monday, November 25, 2013


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 Date Received: 11/01/2013  
 Date Completed: 11/19/2013  
 Job #: 201310903  
 Reference: CL sample series  
 Sample #: 165

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100042	CL1386001	<0.005	<1	5.68	13	305	3	10	0.79	<4	9	42	24	2.03	0.46	<1	0.58	230	2	76	404	25	13	27	<10	214	1482	<2	32	<10	12	32
100043	CL1386002	<0.005	<1	5.70	11	73	<2	14	1.46	<4	9	50	14	1.91	<0.01	<1	0.41	287	1	70	356	25	8	<5	11	289	1446	<2	28	<10	12	34
100044	CL1386003	<0.005	<1	3.67	14	72	<2	<1	1.97	<4	7	61	14	2.07	0.15	<1	0.35	311	4	86	344	25	8	13	<10	311	1528	<2	31	<10	11	33
100045	CL1386004	0.013	<1	5.52	11	359	<2	8	1.78	<4	11	68	14	2.27	0.07	<1	0.43	332	5	98	390	32	12	10	<10	289	1776	<2	33	<10	12	44
100046	CL1386005	<0.005	<1	4.74	12	184	<2	10	1.73	<4	8	26	13	1.85	0.17	<1	0.37	284	5	26	320	25	10	13	<10	300	1762	<2	29	<10	10	40
100047	CL1386006	0.034	1	5.78	12	122	<2	23	2.23	<4	9	31	16	1.79	0.04	<1	0.37	308	<1	21	346	27	13	5	<10	341	1814	<2	29	<10	11	34
100048	CL1386007	<0.005	1	4.61	10	208	<2	24	1.96	<4	8	39	18	1.78	0.03	<1	0.35	283	<1	20	330	29	13	14	11	321	1772	<2	28	<10	10	50
100049	CL1386008	<0.005	1	2.71	9	167	<2	8	1.36	<4	8	30	10	1.77	<0.01	<1	0.33	276	<1	20	297	29	11	<5	<10	277	1584	<2	28	<10	9	35
100050	CL1386009	<0.005	<1	4.51	13	46	3	13	4.42	6	55	26	121	8.53	0.04	<1	2.21	1287	<1	69	619	24	8	<5	<10	253	6125	<2	273	<10	25	92
100051	CL1386010	<0.005	<1	5.68	17	154	2	16	1.62	<4	10	26	17	1.76	0.34	<1	0.38	280	<1	33	382	30	9	13	12	292	1668	<2	27	<10	11	32
100052D	CL1386010	<0.005	<1	5.33	12	158	<2	7	1.35	<4	10	23	17	1.75	<0.01	<1	0.31	286	<1	32	342	30	9	20	<10	283	1646	<2	28	<10	8	37
100053	CL1386011	<0.005	<1	5.02	15	153	3	15	1.58	<4	9	29	16	1.93	<0.01	<1	0.37	283	<1	39	382	28	7	13	<10	325	1725	<2	30	<10	10	36
100054	CL1386012	0.005	1	3.95	15	106	2	11	1.61	<4	8	31	15	1.71	0.31	<1	0.31	253	3	22	311	28	12	7	<10	322	1551	<2	27	<10	10	37
100055	CL1386013	<0.005	2	6.72	14	221	3	9	2.05	<4	8	37	15	1.84	0.35	11	0.39	267	<1	26	379	33	9	<5	14	371	1769	<2	30	<10	12	45
100056	CL1386014	<0.005	<1	6.51	10	124	3	29	3.33	<4	18	154	22	2.74	0.02	15	1.62	505	<1	86	748	30	10	28	14	346	2419	<2	57	<10	13	75
100057	CL1386015	<0.005	<1	8.20	17	180	3	15	2.00	<4	8	37	15	2.04	0.11	<1	0.50	248	<1	24	394	19	16	8	12	397	1767	3	33	<10	14	27
100058	CL1386016	<0.005	<1	8.68	15	233	3	15	1.97	<4	9	36	23	1.86	0.06	<1	0.43	249	<1	27	397	31	10	12	13	336	1653	<2	28	<10	14	39
100059	CL1386017	<0.005	<1	7.02	10	259	3	15	2.26	<4	11	34	65	2.06	0.23	<1	0.41	262	<1	22	360	30	9	18	12	352	1820	<2	32	<10	13	37
100060	CL1386018	<0.005	1	2.84	17	320	2	17	1.66	<4	9	25	40	1.80	0.05	<1	0.32	220	<1	19	294	27	12	<5	<10	334	1630	<2	29	<10	10	22
100061	CL1386019	<0.005	<1	2.81	13	375	2	2	2.26	<4	12	21	31	1.66	0.26	<1	0.33	210	<1	18	330	24	7	16	<10	299	1680	<2	29	<10	10	23

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 Date Received: 11/01/2013  
 Date Completed: 11/19/2013  
 Job #: 201310903  
 Reference: CL sample series  
 Sample #: 165

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100062	CL1386020	<0.005	<1	5.62	10	296	<2	9	1.72	<4	11	35	37	1.80	0.25	<1	0.68	299	<1	38	407	27	10	11	13	341	1824	<2	32	<10	12	35
100063D	CL1386020	<0.005	<1	4.62	9	216	<2	21	1.35	<4	8	32	32	1.52	0.09	<1	0.59	256	<1	40	362	31	9	21	<10	302	1594	<2	28	<10	10	33
100064	CL1386021	<0.005	<1	6.51	8	307	3	29	1.76	<4	8	34	17	1.92	0.37	<1	0.39	271	<1	53	403	31	14	13	10	398	1636	<2	30	<10	12	24
100065	CL1386022	1.232	15	3.80	216	451	2	15	0.92	<4	20	202	94	3.65	0.03	<1	0.81	274	<1	57	663	226	43	5	<10	467	3021	<2	72	<10	7	75
100066	CL1386023	<0.005	<1	7.95	18	276	2	21	1.81	<4	8	50	15	2.01	<0.01	<1	0.46	272	<1	47	401	35	12	15	<10	392	1629	<2	30	<10	13	33
100067	CL1386024	0.005	<1	9.32	19	334	3	8	1.85	<4	11	41	40	2.01	<0.01	<1	0.50	244	<1	45	427	32	20	30	<10	416	1781	<2	31	<10	15	24
100068	CL1386025	<0.005	<1	7.21	18	103	5	28	5.08	5	62	753	56	6.64	0.27	32	6.43	1111	<1	343	1613	25	14	12	<10	204	4886	<2	161	<10	19	149
100069	CL1386026	<0.005	<1	7.33	17	124	7	9	4.11	6	76	965	17	8.46	0.13	48	7.14	1190	<1	439	1753	38	8	<5	<10	175	5563	<2	165	<10	24	190
100070	CL1386027	<0.005	<1	8.75	20	156	4	21	4.42	<4	13	59	20	2.31	<0.01	11	1.38	580	<1	71	507	18	10	20	<10	446	2127	<2	51	<10	15	37
100071	CL1386028	<0.005	<1	7.61	12	301	3	24	5.88	4	42	557	89	5.82	0.12	30	4.64	1107	<1	201	1514	32	15	<5	11	228	4537	<2	141	<10	20	124
100072	CL1386029	<0.005	<1	5.52	11	37	<2	17	1.18	<4	12	36	35	1.75	0.21	<1	0.53	230	<1	46	380	20	6	<5	<10	456	1759	<2	30	<10	13	14
100073	CL1386030	<0.005	1	3.44	11	376	3	14	1.38	<4	10	44	15	2.05	<0.01	<1	0.37	228	2	49	359	35	10	18	14	490	1783	<2	33	<10	10	21
100074D	CL1386030	<0.005	<1	3.37	9	81	2	19	0.34	<4	9	35	12	1.80	0.10	<1	0.35	199	<1	43	299	20	7	<5	<10	407	1529	<2	28	<10	8	18
100075	CL1386031	0.005	1	5.11	13	431	2	9	1.19	<4	10	35	57	1.70	0.14	<1	0.37	180	<1	46	373	24	10	17	<10	428	1664	14	29	<10	11	17
100076	CL1386032	0.011	<1	4.97	21	148	<2	10	1.30	<4	11	46	113	1.84	0.24	<1	0.44	198	<1	52	370	23	15	17	<10	479	1620	<2	29	<10	12	14
100077	CL1386033	<0.005	<1	5.37	8	28	2	13	3.33	<4	30	246	52	4.15	0.29	12	2.47	665	<1	117	1224	27	14	20	<10	455	3564	<2	112	<10	17	68
100078	CL1386034	<0.005	<1	6.98	14	172	4	25	4.65	<4	33	517	61	5.05	0.28	32	4.05	928	<1	209	1148	31	9	<5	<10	397	3577	<2	117	<10	16	103
100079	CL1386035	<0.005	<1	9.77	11	240	6	26	6.02	7	61	49	139	10.18	0.16	34	2.81	1548	<1	90	780	31	8	<5	11	316	7493	<2	321	12	33	111
100080	CL1386036	<0.005	<1	8.07	15	372	4	25	5.21	4	40	402	44	6.18	0.73	44	4.48	1050	<1	183	1837	25	6	<5	12	272	5225	<2	169	<10	20	132
100081	CL1386037	<0.005	<1	9.38	16	349	6	12	4.61	4	39	199	155	5.02	0.42	30	3.25	826	<1	99	1581	28	13	28	<10	421	6118	<2	155	<10	21	89

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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## Final Certificate

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 Gogama, ON, CAN  
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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/19/2013  
 Job #: 201310903  
 Reference: CL sample series  
 Sample #: 165

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100082	CL1386038	0.005	<1	9.70	12	333	5	26	4.55	4	41	174	65	5.72	0.48	36	3.17	797	<1	105	1502	29	11	6	<10	671	6771	<2	159	<10	20	112
100083	CL1386039	<0.005	<1	8.90	11	302	5	14	4.48	4	37	171	72	5.38	0.36	29	3.03	781	<1	100	1416	32	9	<5	<10	618	6486	<2	151	12	19	91
100084	CL1386040	<0.005	<1	5.53	13	112	2	4	2.14	<4	11	55	22	2.10	0.21	<1	0.56	285	2	68	429	24	6	18	<10	504	2093	<2	40	<10	12	25
100085D	CL1386040	<0.005	<1	4.00	14	63	3	11	1.80	<4	12	54	22	2.06	0.14	<1	0.52	283	<1	65	413	27	10	<5	10	488	2057	<2	40	<10	11	18
100086	CL1386041	<0.005	<1	3.73	15	34	2	8	1.69	<4	9	64	42	1.87	0.19	<1	0.39	243	4	94	370	32	12	<5	<10	511	1772	<2	32	<10	10	20
100087	CL1386042	<0.005	<1	5.61	7	62	<2	19	2.14	<4	12	56	22	1.89	<0.01	<1	0.44	290	2	90	390	28	<5	15	10	523	1763	<2	31	<10	12	22
100088	CL1386043	<0.005	<1	5.55	7	286	2	39	3.33	<4	33	158	57	4.95	0.27	<1	2.66	752	<1	115	1308	33	9	<5	10	401	6047	<2	138	<10	15	93
100089	CL1386044	<0.005	<1	5.65	13	199	2	29	3.25	4	37	158	74	5.06	<0.01	13	2.79	754	<1	109	1337	27	8	<5	<10	477	5987	<2	141	<10	17	90
100090	CL1386045	<0.005	<1	5.89	11	122	3	13	3.03	<4	36	146	65	4.79	0.07	17	2.70	711	<1	93	1222	20	15	8	<10	414	5756	<2	133	<10	17	82
100091	CL1386046	<0.005	<1	8.97	4	327	6	27	4.05	<4	36	150	80	5.24	0.08	8	2.81	770	<1	97	1392	22	9	14	11	497	6392	<2	144	<10	19	86
100092	CL1386047	<0.005	<1	9.40	14	391	6	24	4.23	<4	38	160	83	5.36	0.66	36	2.90	771	<1	106	1406	26	10	20	<10	490	6520	<2	147	<10	19	92
100093	CL1386048	0.109	<1	8.61	36	14	3	29	1.45	<4	14	15	3706	3.64	0.56	5	1.96	310	64	15	731	34	15	26	11	240	1783	<2	279	<10	12	82
100094	CL1386049	<0.005	<1	9.09	9	337	4	17	4.27	4	37	170	101	5.41	0.66	27	2.94	780	<1	114	1416	31	14	<5	<10	500	6469	<2	151	<10	18	87
100095	CL1386050	<0.005	<1	7.92	15	362	3	17	4.41	4	38	182	72	5.69	0.59	37	3.08	810	<1	109	1442	29	12	<5	13	560	6754	<2	158	<10	19	91
100096D	CL1386050	0.009	<1	6.32	18	253	3	35	3.84	4	38	174	69	5.51	0.89	17	2.96	784	<1	109	1382	19	11	<5	13	529	6591	<2	153	<10	18	110
100097	CL1386051	<0.005	<1	5.67	11	186	<2	23	3.19	4	32	145	59	4.60	<0.01	4	2.50	656	<1	94	1154	34	12	<5	<10	499	5459	<2	128	<10	15	92
100098	CL1386052	0.005	3	8.16	24	637	3	20	4.64	<4	36	172	68	4.68	<0.01	23	2.43	685	6	121	1221	48	12	<5	13	523	5619	<2	132	<10	14	90
100099	CL1386053	<0.005	3	6.39	25	696	2	9	4.64	<4	35	168	67	4.91	<0.01	24	2.48	718	5	98	1276	38	14	<5	<10	590	5940	<2	141	<10	12	93
100100	CL1386054	<0.005	<1	4.82	17	83	<2	24	4.06	<4	31	142	111	4.48	<0.01	10	2.33	743	<1	105	1123	31	13	5	<10	638	5297	<2	122	10	15	73
100101	CL1386055	<0.005	<1	4.32	16	386	<2	16	1.37	<4	7	51	57	1.64	<0.01	<1	0.53	238	<1	70	389	29	7	<5	<10	426	1889	<2	36	<10	10	25

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Date Received: 11/01/2013  
 Date Completed: 11/19/2013  
 Job #: 201310903  
 Reference: CL sample series  
 Sample #: 165

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100102	CL1386056	<0.005	<1	7.81	12	198	4	23	5.01	<4	37	168	108	5.15	0.55	33	2.77	850	<1	103	1328	31	13	18	<10	568	6127	<2	140	<10	18	86
100103	CL1386057	<0.005	<1	7.37	7	254	3	38	4.07	4	36	330	55	5.38	0.03	20	3.67	962	<1	163	1333	25	16	18	11	332	5167	<2	135	<10	18	133
100104	CL1386058	<0.005	<1	8.24	8	256	2	21	2.22	<4	11	65	50	2.46	0.26	<1	0.81	378	5	86	567	32	<5	31	<10	613	2184	<2	47	<10	15	33
100105	CL1386059	<0.005	<1	7.77	16	<1	4	24	3.50	4	29	41	12	5.23	<0.01	9	2.16	799	<1	39	1910	26	8	<5	<10	948	4323	<2	132	<10	20	74
100106	CL1386060	<0.005	<1	7.21	20	100	2	17	3.92	4	29	62	6	5.09	0.09	27	2.15	849	<1	51	1711	32	7	14	<10	899	4298	<2	134	<10	18	82
100107R	CL1386060	<0.005	<1	8.37	24	86	4	21	4.37	4	32	67	6	5.68	<0.01	31	2.42	940	<1	53	1912	34	7	12	17	988	4676	<2	148	<10	21	85
100108	CL1386061	<0.005	<1	7.29	9	202	5	31	5.74	10	67	37	155	10.71	<0.01	15	2.71	1621	<1	95	803	32	14	<5	13	311	7870	<2	338	<10	33	472
100109	CL1386062	0.007	<1	8.27	14	395	<2	19	2.30	<4	9	40	30	2.08	<0.01	<1	0.48	305	1	55	416	26	11	15	10	469	1752	<2	36	<10	14	56
100110	CL1386063	0.006	<1	7.37	15	683	<2	9	2.03	<4	8	58	22	2.15	0.13	<1	0.46	291	4	80	408	28	5	12	<10	406	1750	<2	32	<10	13	23
100111	CL1386064	<0.005	1	9.11	13	814	4	12	2.43	<4	8	52	25	2.00	1.80	8	0.44	290	3	54	422	36	7	22	11	368	1777	<2	32	10	14	25
100112	CL1386065	<0.005	<1	7.82	18	771	3	24	1.79	<4	9	53	33	1.88	0.22	<1	0.43	258	3	69	385	27	10	5	<10	277	1684	<2	31	10	13	38
100113	CL1386066	<0.005	<1	6.65	13	684	<2	12	1.63	<4	8	73	22	2.19	0.16	<1	0.43	264	8	116	372	31	7	17	<10	324	1635	<2	33	<10	13	24
100114	CL1386067	<0.005	<1	6.91	13	620	3	22	1.77	<4	8	45	15	2.04	0.30	<1	0.47	279	<1	56	393	26	13	26	<10	349	1682	<2	31	<10	15	27
100115	CL1386068	<0.005	<1	5.71	9	322	3	21	1.25	<4	10	100	16	2.48	0.92	<1	0.45	309	13	183	389	25	7	5	<10	370	1634	<2	36	<10	13	42
100116	CL1386069	0.020	1	5.23	7	717	2	15	1.45	<4	7	60	122	1.47	0.40	<1	0.27	206	5	109	250	23	9	18	<10	281	1447	<2	25	<10	12	31
100117	CL1386070	<0.005	<1	6.46	<2	405	2	21	2.10	<4	19	230	23	3.47	0.25	6	1.83	480	3	133	796	31	14	<5	<10	403	2721	<2	77	<10	15	68
100118D	CL1386070	<0.005	<1	5.22	10	250	3	17	1.71	<4	20	247	24	3.77	0.64	<1	2.01	519	1	141	848	27	15	9	<10	400	2839	<2	82	<10	16	60
100119	CL1386071	0.008	<1	6.68	16	503	3	35	8.64	<4	29	191	14	3.52	<0.01	12	1.99	1160	<1	109	1112	40	11	12	12	600	3118	<2	79	10	21	60
100120	CL1386072	0.012	<1	7.18	12	449	4	12	4.15	5	42	364	23	6.66	0.61	18	3.95	1029	<1	120	1926	29	14	<5	11	460	5377	<2	182	<10	20	130
100121	CL1386073	0.016	<1	3.27	13	152	4	18	1.07	<4	17	84	113	2.68	0.35	<1	0.65	321	8	144	329	21	11	<5	11	516	1771	<2	45	<10	11	34

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100122	CL1386074	0.537	<1	7.76	217	211	5	32	5.86	7	64	224	63	8.48	0.46	10	3.73	1358	<1	150	1609	31	9	6	<10	526	9845	<2	167	<10	21	112
100123	CL1386075	0.012	<1	8.12	20	338	6	31	4.22	4	44	517	115	5.72	<0.01	30	4.11	839	<1	125	2217	21	10	20	11	288	5259	<2	156	<10	21	92
100124	CL1386076	<0.005	<1	8.40	19	109	7	19	5.34	6	62	1475	30	7.21	0.41	34	8.42	1359	<1	531	1854	32	9	<5	14	168	4418	<2	142	<10	19	158
100125	CL1386077	0.007	<1	5.26	9	161	3	<1	3.83	4	56	702	97	6.53	0.31	25	5.24	1002	<1	205	2242	27	11	21	10	214	5347	<2	157	<10	20	113
100126	CL1386078	0.010	<1	5.75	13	126	<2	12	2.21	<4	16	163	18	2.99	0.91	9	1.18	396	4	108	786	32	15	16	<10	419	2457	<2	57	<10	14	36
100127	CL1386079	<0.005	<1	3.19	8	76	2	14	1.23	<4	8	85	29	2.20	0.26	<1	0.45	261	8	150	342	23	8	<5	<10	425	1558	<2	33	<10	11	21
100128	CL1386080	<0.005	<1	3.94	9	206	2	11	1.41	<4	7	43	16	1.95	0.66	<1	0.38	236	<1	67	376	28	14	18	<10	408	1657	<2	31	<10	11	16
100129D	CL1386080	<0.005	<1	3.34	9	208	<2	16	1.28	<4	8	39	15	1.84	<0.01	<1	0.36	226	<1	68	366	27	10	<5	<10	389	1605	<2	30	<10	9	14
100130	CL1386081	<0.005	<1	4.62	9	304	<2	9	1.90	<4	8	63	16	1.92	<0.01	<1	0.38	244	5	121	368	25	11	13	<10	354	1572	<2	33	<10	11	12
100131	CL1386082	<0.005	<1	4.22	14	216	<2	5	1.01	<4	7	30	11	1.53	<0.01	<1	0.35	175	<1	65	324	27	9	<5	10	341	1404	<2	26	<10	10	16
100132	CL1386083	<0.005	<1	5.56	14	107	<2	12	2.08	<4	6	36	12	1.49	0.09	<1	0.39	233	<1	61	370	24	13	15	<10	378	1513	<2	26	<10	11	13
100133	CL1386084	<0.005	<1	6.14	12	<1	3	11	5.99	5	41	611	36	6.83	0.20	29	4.40	1128	<1	135	2264	34	9	<5	11	312	5431	<2	166	15	21	121
100134	CL1386085	0.012	<1	9.29	21	419	2	25	2.65	<4	9	82	19	1.80	<0.01	6	0.79	263	<1	52	527	25	5	12	<10	428	1898	<2	40	<10	17	16
100135	CL1386086	<0.005	1	9.12	15	465	3	17	1.82	<4	7	37	17	1.31	0.06	4	0.39	164	1	49	358	35	13	37	<10	362	1661	15	27	<10	17	16
100136	CL1386087	<0.005	<1	7.98	5	239	8	18	6.04	9	67	42	147	10.79	0.57	24	2.80	1632	<1	93	758	31	10	<5	<10	309	7827	<2	343	<10	33	132
100137	CL1386088	<0.005	2	6.70	15	262	<2	21	1.72	<4	7	39	29	1.26	0.36	9	0.29	148	3	56	262	21	13	20	<10	327	1361	<2	24	<10	12	16
100138	CL1386089	0.026	2	5.45	6	339	<2	13	0.78	<4	1	32	39	0.93	0.29	<1	0.21	106	<1	58	193	28	8	16	<10	257	966	<2	15	<10	9	14
100139	CL1386090	<0.005	<1	5.09	12	200	3	20	1.04	<4	6	44	17	1.25	0.41	<1	0.38	143	2	71	283	27	9	19	<10	285	1440	<2	25	<10	13	14
100140D	CL1386090	<0.005	<1	4.96	10	190	<2	13	0.98	<4	7	42	17	1.24	0.33	<1	0.38	143	<1	77	288	24	9	13	10	280	1455	<2	24	<10	13	12
100141	CL1386091	<0.005	<1	4.93	11	208	2	5	0.81	<4	8	34	12	1.46	<0.01	<1	0.40	153	<1	72	331	23	7	17	<10	259	1423	<2	26	<10	10	15

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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## Final Certificate

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 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/19/2013  
 Job #: 201310903  
 Reference: CL sample series  
 Sample #: 165

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100142	CL1386092	<0.005	<1	4.44	5	191	<2	11	1.10	<4	7	29	12	1.46	0.03	<1	0.39	161	<1	60	348	28	7	17	<10	275	1479	<2	26	<10	10	11
100143	CL1386093	0.009	<1	4.56	10	225	<2	12	1.47	<4	9	50	16	1.64	<0.01	<1	0.45	221	<1	90	406	21	10	14	<10	305	1628	<2	35	<10	11	17
100144	CL1386094	0.015	<1	2.01	9	<1	3	8	5.55	4	43	815	5	5.81	0.11	27	5.41	1039	<1	306	1638	19	10	6	13	162	3876	<2	129	<10	15	140
100145	CL1386095	0.014	<1	7.02	11	332	2	16	1.58	<4	11	104	8	2.10	<0.01	2	0.92	266	<1	75	517	25	16	17	<10	281	1847	<2	42	<10	13	30
100146	CL1386096	0.015	<1	8.20	18	461	3	9	1.59	<4	10	34	7	1.99	0.69	5	0.50	230	<1	42	427	28	8	<5	11	276	1853	<2	32	<10	14	53
100147	CL1386097	0.017	1	8.71	12	512	2	15	1.71	<4	7	35	7	1.56	0.44	5	0.44	178	<1	35	396	30	18	5	<10	252	1655	<2	29	<10	11	20
100148	CL1386098	0.018	<1	5.80	10	109	<2	16	1.50	<4	10	94	10	2.41	0.96	<1	0.88	309	<1	47	528	16	11	14	<10	231	1777	<2	41	<10	12	33
100149	CL1386099	0.017	<1	5.74	12	293	2	19	1.60	<4	8	34	11	1.68	0.53	<1	0.43	218	<1	42	362	16	11	18	10	255	1592	<2	30	<10	10	20
100150	CL1386100	1.805	<1	4.79	632	50	4	13	4.21	6	51	179	77	8.51	0.12	<1	3.21	1684	<1	139	1647	29	17	<5	10	426	8053	<2	142	<10	19	100
100152	CL1386101	0.019	<1	5.21	22	245	<2	18	1.22	<4	5	32	13	1.57	0.10	<1	0.41	215	<1	42	393	24	6	21	<10	249	1609	<2	30	<10	10	19
100153	CL1386102	0.021	<1	4.23	11	208	2	16	0.90	<4	6	32	16	1.80	<0.01	<1	0.42	206	<1	51	356	26	14	12	<10	270	1496	<2	32	<10	8	25
100154	CL1386103	0.021	<1	5.92	4	96	<2	26	1.37	<4	13	34	11	1.85	<0.01	<1	0.46	205	<1	52	385	20	10	13	<10	254	1499	<2	32	<10	11	25
100155	CL1386104	0.026	<1	7.01	11	428	<2	18	0.85	<4	8	36	56	2.16	<0.01	<1	0.58	242	<1	52	432	26	12	12	10	234	1692	<2	36	<10	11	24
100156	CL1386105	0.025	<1	4.55	11	303	4	13	0.18	<4	7	30	141	2.54	0.47	<1	0.70	293	<1	45	411	18	12	7	10	234	1645	<2	36	<10	11	32
100157	CL1386106	0.015	<1	6.45	12	157	2	8	0.77	<4	7	26	18	1.73	0.36	<1	0.44	171	<1	34	345	29	13	22	<10	226	1391	<2	30	<10	9	25
100158	CL1386107	0.019	<1	4.40	14	206	2	7	1.19	<4	8	30	71	1.77	0.32	<1	0.39	207	<1	34	320	27	13	8	<10	223	1593	<2	32	<10	8	23
100159	CL1386108	0.015	2	5.13	14	183	2	2	0.85	<4	9	28	11	1.58	0.87	39	0.40	182	<1	34	358	33	13	<5	10	193	1520	<2	29	<10	10	51
100160	CL1386109	0.012	<1	7.13	11	205	2	24	0.98	<4	8	73	26	1.83	1.04	39	0.45	191	2	47	376	32	15	20	10	245	1258	<2	28	<10	11	40
100161	CL1386110	0.018	1	4.77	14	241	2	19	0.74	<4	5	52	18	1.62	0.59	33	0.42	182	<1	40	331	31	14	11	<10	227	1361	<2	27	<10	9	26
100162D	CL1386110	0.018	1	4.43	10	290	2	18	0.80	<4	8	58	20	1.79	0.06	39	0.42	204	<1	48	348	25	11	18	<10	237	1478	<2	30	<10	9	32

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Sample #: 165

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100163	CL1386111	0.018	<1	3.73	14	153	2	18	0.68	<4	6	30	23	1.64	0.30	29	0.41	198	<1	49	327	22	19	9	11	245	1342	<2	26	<10	8	38
100164	CL1386112	0.021	<1	2.58	15	<1	3	14	0.23	<4	7	23	35	1.76	0.08	18	0.40	200	<1	44	308	23	12	<5	<10	240	1311	<2	26	<10	9	27
100165	CL1386113	0.017	<1	4.54	13	152	4	35	4.46	6	52	30	118	8.31	0.41	40	2.09	1262	<1	89	664	33	16	<5	<10	256	6182	<2	263	<10	23	94
100166	CL1386114	0.022	<1	3.11	11	67	<2	25	0.77	<4	8	28	34	1.64	0.38	31	0.38	201	<1	53	355	29	16	9	13	252	1541	<2	29	<10	9	27
100167	CL1386115	0.022	<1	2.53	13	<1	2	<1	0.76	<4	8	42	55	1.77	0.29	22	0.38	221	1	82	364	29	6	15	<10	340	1330	<2	29	10	8	28
100168	CL1386116	0.019	<1	7.43	19	156	<2	24	1.74	<4	8	64	35	1.99	0.11	28	0.60	271	<1	60	466	31	11	12	<10	404	1730	<2	35	<10	14	37
100169	CL1386117	0.026	<1	4.89	12	121	2	45	1.70	<4	10	78	61	1.96	0.44	29	0.70	292	<1	66	444	25	13	18	<10	362	1710	<2	36	<10	11	35
100170	CL1386118	0.013	<1	4.36	10	<1	5	24	6.65	5	42	632	50	6.29	0.58	69	4.38	1231	<1	152	2073	29	9	<5	13	322	4990	<2	160	<10	19	159
100171	CL1386119	0.019	<1	5.15	13	<1	3	21	5.96	4	38	545	93	6.05	0.22	72	4.15	1152	<1	119	2153	23	7	<5	<10	409	5165	<2	165	<10	19	134
100172	CL1386120	0.012	<1	7.18	14	128	2	16	5.89	4	38	450	79	5.34	1.10	81	3.68	962	<1	96	1995	29	10	7	14	481	4931	<2	151	<10	20	116
100173R	CL1386120	0.016	<1	6.00	22	82	4	35	5.84	4	37	483	87	5.73	0.32	72	3.89	1013	<1	102	2133	28	6	<5	12	485	5159	<2	162	<10	20	119
100174	CL1386121	0.019	<1	5.53	17	<1	2	8	3.35	4	25	190	73	4.18	0.11	44	2.20	601	<1	91	1055	20	5	28	<10	480	3680	<2	102	<10	17	228
100175	CL1386122	0.026	<1	5.58	10	211	3	45	1.88	<4	12	83	71	2.53	0.57	30	0.79	342	<1	53	509	25	11	29	19	421	2105	<2	42	10	14	54
100176	CL1386123	0.014	<1	5.85	9	215	2	18	0.88	<4	6	35	58	1.51	0.21	15	0.50	215	<1	51	393	30	18	29	12	316	1657	<2	31	<10	15	23
100177	CL1386124	0.010	1	5.11	18	341	3	11	1.65	<4	9	61	38	1.79	0.34	25	0.52	245	6	57	406	33	16	16	<10	316	1797	<2	35	<10	10	27
100178	CL1386125	0.016	<1	6.08	18	216	2	19	2.95	<4	18	85	40	3.71	0.10	42	1.41	493	<1	65	659	25	16	20	15	315	3022	<2	81	<10	17	51
100179	CL1386126	1.215	18	3.35	270	585	2	30	1.20	4	21	248	116	4.46	0.28	37	0.95	327	<1	49	752	267	48	<5	10	540	3538	<2	87	11	8	89
100180	CL1386127	2.390	2	6.67	12	632	2	20	1.58	<4	28	82	121	4.20	0.07	34	1.44	397	7	72	727	23	7	21	<10	252	3090	<2	90	10	17	49
100181	CL1386128	0.017	1	4.92	12	316	2	5	1.28	<4	9	69	39	1.76	0.50	21	0.43	203	<1	43	352	24	13	14	10	253	1655	<2	31	<10	10	21
100182	CL1386129	0.018	<1	5.04	18	303	2	16	1.16	<4	7	56	22	1.78	0.32	20	0.38	228	2	54	349	25	11	13	16	258	1488	<2	27	<10	10	17

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100183	CL1386130	0.013	<1	3.51	11	139	<2	7	0.48	<4	8	73	15	1.79	0.45	15	0.35	197	5	72	321	27	13	15	<10	204	1484	<2	27	<10	9	20
100184D	CL1386130	0.013	<1	4.01	14	213	<2	20	0.68	<4	9	74	16	1.87	0.52	15	0.35	210	5	83	340	25	10	13	10	216	1578	<2	29	<10	9	17
100185	CL1386131	0.008	<1	3.24	13	109	<2	4	0.63	<4	11	80	10	1.90	0.33	8	0.31	186	5	80	339	26	9	17	<10	211	1593	<2	28	<10	8	22
100186	CL1386132	0.024	<1	5.96	10	265	2	22	1.19	<4	16	74	11	2.19	0.43	21	0.39	183	3	39	356	26	17	22	10	305	1756	<2	31	<10	10	23
100187	CL1386133	0.013	1	7.03	18	160	3	14	2.42	<4	11	93	25	1.95	0.81	32	0.37	241	7	50	341	28	16	26	11	396	1691	<2	30	<10	11	15
100188	CL1386134	0.012	1	6.79	11	50	4	15	3.47	<4	21	120	16	2.30	1.38	30	0.76	326	<1	61	472	33	9	24	<10	315	1871	<2	42	<10	14	28
100189	CL1386135	0.013	<1	6.68	17	<1	4	37	5.37	4	37	475	28	5.94	0.57	62	3.64	957	<1	84	2105	30	15	27	10	223	4981	<2	157	<10	25	108
100190	CL1386136	0.012	<1	8.51	11	128	4	8	3.66	<4	16	129	19	2.49	1.00	41	1.00	353	<1	58	617	25	10	36	10	289	2166	<2	50	12	15	34
100191	CL1386137	0.013	1	6.17	9	152	2	13	2.05	<4	11	89	11	1.96	1.39	27	0.74	257	1	58	419	27	8	12	12	231	1577	<2	35	<10	11	30
100192	CL1386138	0.020	<1	7.16	21	11	5	23	5.88	<4	34	469	23	5.28	0.92	52	3.91	967	<1	170	1699	27	<5	<5	10	226	4072	<2	129	<10	21	104
100193	CL1386139	0.011	<1	6.55	12	163	<2	17	5.21	8	59	78	134	9.83	0.47	51	2.66	1530	<1	79	737	37	7	12	11	277	7189	<2	308	<10	29	124
100194	CL1386140	0.013	<1	4.42	11	<1	4	29	6.37	4	37	542	32	5.34	0.78	60	4.72	1115	<1	267	1531	21	10	13	<10	185	3687	<2	124	<10	17	128
100195D	CL1386140	0.012	<1	3.98	12	<1	2	25	6.31	4	34	548	33	5.37	0.68	57	4.72	1128	<1	273	1558	32	17	<5	14	182	3705	<2	124	<10	17	127
100196	CL1386141	0.010	<1	4.96	14	154	<2	19	1.18	<4	11	39	22	1.77	0.41	16	0.43	204	<1	60	366	27	12	8	<10	331	1637	<2	29	<10	11	19
100197	CL1386142	0.017	<1	4.93	14	241	<2	9	1.07	<4	10	53	22	1.81	0.56	20	0.55	214	<1	71	401	31	14	24	<10	296	1614	<2	31	<10	11	23
100198	CL1386143	0.021	1	6.91	13	495	3	22	1.50	<4	10	43	37	2.20	0.12	34	0.49	224	<1	51	427	27	8	19	14	333	1891	<2	35	<10	12	20
100199	CL1386144	0.013	<1	3.91	16	330	2	40	1.05	<4	9	44	12	1.91	0.34	31	0.40	204	<1	54	339	23	18	<5	11	290	1485	<2	30	<10	10	19
100200	CL1386145	0.014	2	6.12	11	435	2	21	1.29	<4	8	37	14	1.80	0.41	35	0.37	184	2	44	307	32	10	23	<10	272	1481	<2	28	<10	9	24
100201	CL1386146	0.017	1	8.18	9	604	3	22	1.90	<4	8	47	25	2.09	0.54	40	0.49	233	2	56	383	29	13	24	13	299	1579	<2	32	11	12	16
100202	CL1386147	0.013	<1	>10.00	11	570	3	38	1.55	<4	6	43	51	2.03	0.85	39	0.47	182	1	43	431	27	<5	15	11	292	1602	<2	31	12	13	17

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100203	CL1386148	0.015	1	6.63	13	497	<2	8	1.54	<4	10	54	44	2.16	1.27	32	0.43	239	2	53	350	25	13	21	12	339	1675	<2	33	<10	12	18
100204	CL1386149	0.015	1	3.65	5	537	2	15	1.51	<4	9	38	15	1.94	0.91	26	0.36	224	9	46	295	26	11	23	<10	251	1572	<2	31	<10	9	17
100205	CL1386150	0.009	2	2.97	13	420	2	3	1.14	<4	8	36	15	1.93	1.11	27	0.37	204	<1	46	296	27	18	23	<10	293	1573	<2	30	<10	8	25
100206D	CL1386150	0.012	<1	5.06	9	393	4	5	1.09	<4	7	32	13	1.73	0.96	27	0.44	185	<1	41	361	28	10	21	<10	284	1510	<2	27	<10	11	20
100207	CL1386151	0.014	<1	4.59	13	287	<2	17	1.87	<4	19	125	20	3.03	0.30	37	1.40	408	<1	70	603	26	5	12	<10	286	2404	<2	67	<10	12	42
100208	CL1386152	0.123	<1	4.03	34	<1	<2	28	0.75	<4	14	11	3114	3.07	0.50	21	1.51	265	52	42	572	28	14	18	<10	200	1522	<2	240	<10	8	71
100209	CL1386153	0.009	<1	5.67	13	406	<2	4	0.87	<4	8	19	9	1.64	0.30	14	0.46	184	<1	66	375	23	9	20	10	249	1684	<2	29	<10	10	15
100210	CL1386154	0.014	1	5.89	11	253	2	8	2.34	<4	10	19	9	1.27	0.28	23	0.44	223	<1	47	357	26	17	14	14	224	1571	<2	28	<10	19	13
100211	CL1386155	0.010	<1	2.53	10	70	<2	25	1.12	<4	7	20	22	1.27	0.19	15	0.37	174	<1	47	292	23	16	10	<10	204	1559	<2	26	<10	6	32
100212	CL1386156	0.008	<1	4.46	8	<1	<2	<1	1.96	<4	13	117	17	1.76	0.71	28	1.13	281	<1	101	547	25	13	21	<10	228	1875	<2	40	<10	11	29
100213	CL1386157	0.031	2	5.40	14	<1	<2	9	2.66	<4	10	57	32	1.37	0.62	32	0.69	228	<1	59	396	27	8	<5	<10	291	1592	<2	32	<10	10	23
100214	CL1386158	0.009	<1	9.42	16	34	7	23	5.43	5	54	787	14	7.22	0.75	89	6.88	1256	<1	457	2019	25	11	14	<10	195	4893	<2	152	12	25	143
100215	CL1386159	0.008	<1	7.97	12	48	3	26	7.10	<4	37	517	8	4.73	0.91	95	4.98	927	<1	307	1504	23	14	23	12	224	3734	<2	113	<10	19	91
100216	CL1386160	0.009	<1	5.54	16	<1	4	27	6.68	<4	37	403	18	4.79	1.13	75	4.80	1043	<1	232	1527	30	16	<5	11	238	3676	<2	114	<10	17	92
100217D	CL1386160	0.011	<1	5.40	9	<1	4	21	7.09	4	39	440	19	5.13	0.70	86	5.13	1130	<1	257	1629	29	16	17	14	243	3933	<2	123	10	18	108
100218	CL1386161	0.010	<1	6.25	12	<1	3	19	3.28	<4	28	251	28	3.54	0.35	69	2.96	566	<1	151	1086	32	7	18	<10	289	2815	<2	77	<10	14	66
100219	CL1386162	0.015	1	5.03	14	175	<2	12	1.00	<4	10	12	37	1.39	0.20	24	0.49	170	<1	38	362	24	11	8	11	309	1552	<2	27	<10	9	21
100220	CL1386163	0.012	<1	4.57	13	250	<2	21	0.31	<4	6	7	8	1.28	0.94	171	0.44	130	<1	54	330	22	14	<5	10	204	1389	17	22	<10	10	19
100221	CL1386164	0.012	<1	4.05	13	361	2	7	0.52	<4	8	14	12	1.46	0.20	6	0.47	166	<1	53	357	24	9	20	15	208	1497	<2	27	<10	10	24
100222	CL1386165	0.013	<1	5.21	11	111	3	44	4.46	7	60	41	118	9.45	<0.01	51	2.79	1415	21	73	713	37	7	<5	<10	254	6999	<2	303	<10	28	119

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Gogama, ON, CAN  
 P0M1W0  
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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
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 Job #: 201310904  
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 Sample #: 300

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100223	CL1259501	0.007	<1	7.48	11	753	2	1	2.07	<4	7	41	25	1.51	0.88	27	0.18	235	6	53	252	23	<5	<5	<10	230	1281	<2	16	<10	14	32
100224	CL1259502	<0.005	<1	1.73	16	668	2	<1	1.63	<4	6	46	17	1.49	0.87	27	0.12	236	7	59	189	23	<5	<5	<10	192	1152	<2	16	<10	9	38
100225	CL1259503	<0.005	<1	2.61	8	682	<2	10	1.85	<4	6	55	13	1.47	0.63	25	0.12	257	9	80	176	16	<5	<5	<10	196	1190	<2	17	<10	8	33
100226	CL1259504	<0.005	<1	1.76	12	710	2	9	1.79	<4	6	58	20	1.63	0.93	26	0.12	257	10	86	180	24	<5	<5	<10	213	1237	<2	18	<10	7	30
100227	CL1259505	0.111	<1	5.61	46	339	<2	5	2.38	4	15	24	3856	3.58	0.96	28	1.25	295	64	11	690	24	<5	<5	<10	236	1667	<2	282	<10	8	125
100228	CL1259506	<0.005	<1	1.86	14	745	2	11	1.81	<4	6	49	25	1.65	0.93	27	0.12	257	8	67	157	22	<5	<5	<10	221	1281	<2	18	<10	8	37
100229	CL1259507	<0.005	<1	4.54	9	760	2	<1	2.09	<4	6	64	16	1.79	0.82	27	0.15	268	12	97	187	23	<5	<5	<10	235	1315	<2	19	<10	12	40
100230	CL1259508	<0.005	<1	5.71	16	809	2	2	2.14	<4	6	80	14	1.86	1.18	26	0.17	252	16	124	236	21	<5	<5	10	225	1318	<2	20	<10	14	35
100231	CL1259509	0.007	<1	5.66	14	691	<2	<1	1.77	<4	5	52	12	1.52	0.94	22	0.16	214	9	72	219	23	6	5	<10	196	1164	<2	16	<10	12	26
100232	CL1259510	<0.005	<1	6.95	8	702	2	<1	1.86	<4	4	65	13	1.64	0.68	22	0.18	227	10	96	238	21	<5	<5	<10	224	1187	<2	17	<10	16	27
100233D	CL1259510	<0.005	<1	7.42	17	727	2	14	1.90	<4	6	76	14	1.72	0.89	25	0.19	233	14	117	250	25	5	<5	<10	225	1212	<2	18	<10	17	29
100234	CL1259511	0.008	<1	6.24	13	706	2	2	1.91	<4	6	60	17	1.59	0.96	24	0.18	241	11	84	244	25	<5	<5	10	218	1184	<2	17	<10	15	25
100235	CL1259512	<0.005	<1	2.53	13	790	2	6	1.94	<4	5	62	13	1.70	0.95	28	0.13	259	11	94	177	32	<5	<5	<10	224	1253	<2	18	<10	11	40
100236	CL1259513	<0.005	<1	4.82	15	802	2	2	2.07	<4	7	74	17	1.88	0.58	26	0.15	264	14	120	178	20	<5	<5	10	230	1285	<2	19	<10	14	42
100237	CL1259514	<0.005	<1	1.34	15	771	2	14	2.03	<4	5	45	18	1.73	0.76	32	0.12	247	8	70	131	29	6	<5	<10	236	1188	<2	18	<10	7	34
100238	CL1259515	<0.005	<1	0.96	17	770	2	10	2.22	<4	6	61	16	1.90	0.82	31	0.11	265	12	103	110	27	<5	<5	<10	231	1213	<2	19	<10	6	28
100239	CL1259516	0.008	<1	1.90	12	760	2	2	2.38	<4	5	65	25	1.62	0.77	28	0.12	270	8	78	113	24	<5	<5	<10	220	1203	<2	17	<10	7	89
100240	CL1259517	0.008	<1	0.55	14	798	<2	4	2.49	<4	6	59	40	1.74	0.76	30	0.10	282	12	95	101	33	5	<5	10	213	1190	<2	20	<10	6	427
100241	CL1259518	<0.005	<1	4.95	18	641	3	22	6.24	11	63	26	162	10.95	1.15	34	1.54	1587	2	60	811	29	5	<5	11	312	8574	<2	376	<10	27	135
100242	CL1259519	0.014	<1	5.70	15	790	2	13	2.61	<4	6	68	21	1.94	1.04	29	0.17	303	13	104	215	26	<5	<5	<10	248	1359	<2	22	13	11	50

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100243	CL1259520	<0.005	<1	6.07	19	776	<2	7	2.27	<4	5	61	16	1.73	1.26	31	0.17	250	11	86	229	21	<5	6	<10	241	1287	<2	19	<10	13	42
100244D	CL1259520	<0.005	<1	6.37	18	713	<2	<1	2.13	<4	5	59	15	1.62	0.83	24	0.17	234	10	84	216	26	6	<5	<10	229	1203	<2	18	<10	13	30
100245	CL1259521	<0.005	<1	6.00	19	661	2	<1	1.92	<4	6	47	29	1.45	0.87	22	0.16	205	6	60	223	20	<5	<5	<10	215	1115	<2	16	<10	13	25
100246	CL1259522	<0.005	<1	6.32	14	641	<2	<1	1.82	<4	5	49	20	1.55	0.93	20	0.17	212	6	67	244	24	<5	<5	<10	217	1189	<2	17	<10	18	26
100247	CL1259523	<0.005	<1	1.58	13	722	2	6	2.18	<4	5	49	17	1.72	0.95	23	0.12	229	10	81	132	25	<5	<5	<10	233	1101	<2	18	<10	7	36
100248	CL1259524	<0.005	<1	2.23	12	731	2	3	2.13	<4	5	33	21	1.62	0.88	26	0.13	225	4	43	136	23	<5	<5	<10	237	1105	<2	17	<10	8	30
100249	CL1259525	<0.005	<1	0.93	14	728	2	<1	2.15	<4	6	47	26	1.64	1.31	23	0.13	218	8	67	139	26	<5	<5	<10	221	1063	<2	18	<10	7	25
100250	CL1259526	<0.005	<1	1.53	15	756	2	<1	2.43	<4	4	52	17	1.61	0.95	30	0.12	217	12	80	105	23	<5	<5	<10	208	995	<2	20	<10	6	19
100251	CL1259527	0.005	<1	3.04	15	778	2	1	2.35	<4	5	47	22	1.51	0.98	30	0.13	214	8	75	128	23	<5	<5	<10	216	1067	<2	18	<10	7	19
100252	CL1259528	0.011	<1	2.19	18	741	2	5	2.38	<4	6	46	56	1.68	1.11	23	0.12	251	8	69	116	25	<5	<5	<10	216	1045	<2	18	<10	7	32
100253	CL1259529	<0.005	<1	1.25	8	735	2	<1	2.19	<4	5	54	19	1.76	1.19	23	0.12	245	10	84	137	24	<5	<5	<10	230	1043	<2	19	<10	6	36
100254	CL1259530	<0.005	<1	5.72	11	698	<2	1	2.10	<4	3	50	19	1.40	1.76	21	0.15	197	9	72	196	22	<5	<5	<10	225	965	<2	16	<10	9	27
100255D	CL1259530	0.005	<1	4.52	13	724	2	7	2.13	<4	4	54	21	1.40	0.73	24	0.13	197	10	71	172	23	<5	5	<10	227	974	<2	16	<10	8	26
100256	CL1259531	0.487	<1	6.36	215	501	2	17	6.40	7	54	204	66	7.51	0.88	28	2.59	1180	<1	126	1535	22	<5	5	<10	480	8558	<2	154	<10	16	121
100257	CL1259532	<0.005	<1	7.11	12	647	<2	6	2.02	<4	5	48	21	1.44	0.88	20	0.17	192	8	65	244	19	<5	<5	<10	211	982	<2	16	<10	12	22
100258	CL1259533	<0.005	<1	1.59	14	597	<2	3	1.52	<4	5	25	17	1.35	0.87	16	0.13	198	1	24	202	17	<5	<5	<10	201	1068	<2	17	<10	6	21
100259	CL1259534	<0.005	<1	2.40	13	528	<2	9	1.59	<4	4	23	18	1.38	1.31	13	0.12	202	<1	30	125	16	<5	<5	<10	211	1006	<2	14	<10	6	26
100260	CL1259535	<0.005	<1	2.48	15	746	2	5	1.97	<4	5	57	122	1.52	1.29	22	0.10	185	11	85	138	30	<5	<5	<10	232	999	<2	16	<10	6	28
100261	CL1259536	<0.005	<1	2.35	16	680	2	9	2.42	<4	5	40	17	1.71	0.82	20	0.12	225	8	64	118	22	<5	<5	10	264	1054	<2	17	<10	7	42
100262	CL1259537	<0.005	<1	2.04	15	738	<2	3	2.42	<4	4	34	18	1.48	0.97	27	0.12	219	7	43	120	24	<5	<5	<10	238	1075	<2	16	<10	7	23

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100263	CL1259538	0.009	<1	1.31	9	706	2	2	2.12	<4	6	43	46	1.53	1.18	25	0.11	214	7	62	101	24	<5	<5	<10	221	1050	<2	17	<10	6	29
100264	CL1259539	<0.005	<1	1.08	21	732	<2	4	2.02	<4	6	44	39	1.59	1.06	24	0.12	211	8	67	115	28	<5	<5	<10	238	1087	<2	19	<10	7	21
100265	CL1259540	<0.005	<1	3.79	14	689	<2	5	2.57	<4	4	35	22	1.36	1.13	21	0.13	257	5	51	127	22	<5	<5	<10	192	1030	<2	19	<10	5	41
100266D	CL1259540	<0.005	<1	3.94	16	698	2	<1	2.74	<4	5	40	20	1.36	1.05	18	0.17	254	6	50	191	19	<5	<5	<10	196	1034	<2	19	<10	8	41
100267	CL1259541	<0.005	<1	4.65	10	627	<2	<1	1.82	<4	4	38	29	1.43	1.13	17	0.16	165	5	50	192	17	<5	<5	<10	214	968	<2	16	<10	10	19
100268	CL1259542	<0.005	<1	4.65	17	663	<2	<1	1.79	<4	5	53	18	1.57	0.87	22	0.18	173	8	68	236	22	<5	<5	<10	256	1008	<2	18	<10	11	26
100269	CL1259543	0.005	<1	4.52	12	599	2	4	1.77	<4	5	34	18	1.37	1.09	17	0.16	141	4	40	217	23	6	7	<10	238	1069	<2	16	<10	12	22
100270	CL1259544	<0.005	<1	5.49	10	404	2	16	6.01	9	54	42	134	9.02	0.97	27	1.76	1313	<1	70	715	22	<5	<5	<10	257	6446	<2	298	<10	24	113
100271	CL1259545	0.006	<1	2.02	19	763	2	2	1.83	<4	9	42	48	1.60	1.42	21	0.17	151	9	62	194	18	<5	<5	<10	260	1097	<2	22	<10	9	17
100272	CL1259546	0.012	<1	<0.01	21	642	2	<1	2.78	<4	9	40	41	1.40	1.01	22	0.13	196	6	45	<100	26	<5	7	<10	337	1235	<2	20	10	9	18
100273	CL1259547	<0.005	<1	5.13	14	542	2	<1	3.71	4	15	166	12	4.15	1.19	30	1.15	444	3	65	544	20	<5	<5	<10	255	1552	<2	74	<10	16	42
100274	CL1259548	<0.005	<1	0.43	11	790	2	<1	2.30	<4	5	36	28	1.53	1.13	21	0.13	189	4	41	<100	25	<5	<5	<10	277	1104	<2	19	12	6	20
100275	CL1259549	<0.005	<1	2.16	8	753	2	9	2.08	<4	5	30	22	1.43	1.54	20	0.13	187	9	37	169	25	5	<5	<10	242	1080	<2	17	<10	6	30
100276	CL1259550	<0.005	<1	4.06	24	733	<2	6	1.60	<4	5	28	41	1.31	1.38	21	0.07	136	5	44	100	27	<5	6	<10	226	966	<2	13	<10	4	35
100277D	CL1259550	<0.005	<1	3.90	22	746	<2	5	1.65	<4	5	31	40	1.34	1.36	19	0.10	137	4	46	168	29	<5	<5	<10	232	1038	<2	13	<10	6	108
100278	CL1259551	<0.005	<1	1.91	14	751	<2	<1	1.53	<4	4	29	19	1.05	1.38	18	0.08	130	6	39	147	23	<5	<5	<10	204	967	<2	12	<10	4	188
100279	CL1259552	0.019	<1	1.75	8	549	<2	1	1.14	<4	2	23	189	0.86	1.07	9	0.08	108	1	32	109	32	<5	<5	<10	160	807	<2	11	<10	5	79
100280	CL1259553	0.005	<1	5.07	10	579	<2	2	1.20	<4	3	22	40	0.90	0.86	11	0.10	<100	<1	24	162	23	<5	<5	<10	211	855	<2	10	<10	12	19
100281	CL1259554	<0.005	<1	4.47	13	606	<2	<1	1.20	<4	3	26	32	0.85	1.39	13	0.10	<100	2	27	183	18	<5	<5	<10	200	840	<2	11	<10	12	20
100282	CL1259555	0.007	<1	4.72	12	505	<2	<1	1.13	<4	4	24	51	0.72	1.14	10	0.09	<100	2	24	189	21	<5	<5	<10	166	836	<2	10	<10	8	17

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100283	CL1259556	0.011	<1	2.92	11	437	<2	<1	1.13	<4	4	17	75	0.94	0.59	6	0.11	157	<1	31	<100	21	<5	<5	<10	133	785	<2	9	<10	8	39			
100284	CL1259557	1.867	<1	0.72	446	116	<2	11	2.89	5	30	80	53	5.19	0.90	2	1.71	1023	<1	76	1007	18	<5	<5	<10	281	4572	<2	85	<10	10	78			
100285	CL1259558	0.026	<1	1.66	13	592	2	2	1.87	<4	4	26	27	1.26	0.80	20	0.10	162	4	35	<100	27	6	<5	<10	199	946	<2	14	<10	5	42			
100286	CL1259559	0.009	<1	2.85	22	459	<2	5	1.26	<4	6	23	67	1.18	1.01	10	0.11	127	9	38	110	106	<5	<5	<10	172	779	<2	11	10	6	314			
100287	CL1259560	0.035	<1	5.98	20	579	<2	<1	1.82	7	6	17	193	1.45	0.54	11	0.22	175	<1	27	191	224	5	<5	<10	154	1045	<2	15	17	11	1205			
100288R	CL1259560	0.021	<1	6.35	22	633	2	<1	1.89	7	6	22	176	1.48	0.18	16	0.22	165	2	36	203	193	<5	<5	<10	160	1063	<2	15	12	11	1090			
100289	CL1259561	0.007	<1	1.90	17	696	<2	<1	2.20	<4	4	30	77	1.40	1.30	16	0.12	194	7	40	165	33	5	<5	<10	204	1087	<2	16	<10	8	96			
100290	CL1259562	0.018	<1	1.91	12	565	<2	<1	1.85	<4	5	22	28	1.41	1.13	12	0.13	200	5	33	<100	15	<5	<5	<10	205	995	<2	16	<10	8	17			
100291	CL1259563	0.067	<1	2.79	10	426	<2	<1	1.66	<4	3	26	15	1.18	1.01	8	0.16	189	2	42	114	19	<5	<5	<10	180	862	<2	15	<10	9	22			
100292	CL1259564	0.022	<1	0.11	10	654	<2	5	2.19	<4	3	30	473	1.24	0.79	16	0.11	179	9	46	<100	33	<5	<5	<10	201	901	<2	16	<10	6	33			
100293	CL1259565	<0.005	<1	<0.01	14	707	2	2	1.96	<4	5	28	38	1.42	1.16	20	0.09	190	5	42	<100	28	<5	<5	<10	212	1007	<2	17	<10	6	39			
100294	CL1259566	0.062	<1	<0.01	11	667	2	<1	2.14	<4	6	26	24	1.42	1.02	17	0.10	211	5	39	<100	21	<5	6	<10	193	1034	<2	17	<10	8	23			
100295	CL1259567	0.129	<1	<0.01	13	659	2	10	2.02	<4	5	26	92	1.37	1.03	18	0.09	194	7	38	<100	29	<5	<5	<10	188	957	<2	16	<10	6	41			
100296	CL1259568	<0.005	<1	1.06	10	690	2	7	2.10	<4	5	23	38	1.26	0.81	16	0.11	184	58	35	110	29	<5	<5	<10	202	994	<2	16	<10	7	30			
100297	CL1259569	<0.005	<1	0.02	11	573	<2	6	1.82	<4	5	24	14	1.36	1.12	14	0.12	188	4	33	127	17	<5	<5	<10	219	1011	<2	19	<10	7	32			
100298	CL1259570	<0.005	<1	5.37	16	328	2	10	5.64	8	52	34	136	8.73	0.89	15	1.76	1249	<1	66	678	21	<5	<5	<10	246	6035	<2	278	<10	24	104			
100299D	CL1259570																																		IS
100300	CL1259571	<0.005	<1	3.16	7	634	<2	5	3.79	<4	7	29	22	1.47	1.04	14	0.23	383	3	33	282	21	<5	<5	<10	195	1218	<2	26	<10	9	48			
100301	CL1259572	<0.005	<1	1.57	12	524	<2	2	3.07	<4	13	69	25	3.04	1.23	21	0.52	427	2	50	521	19	<5	<5	<10	190	1946	<2	60	<10	11	64			
100302	CL1259573	<0.005	<1	2.34	14	676	2	<1	3.84	<4	9	21	22	1.54	1.42	16	0.23	314	2	30	167	22	<5	<5	<10	212	1281	<2	28	<10	8	36			

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
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 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
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 Job #: 201310904  
 Reference: CL sample series  
 Sample #: 300

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100303	CL1259574	<0.005	<1	1.14	10	706	2	<1	2.94	<4	8	32	27	1.56	1.16	18	0.20	237	5	46	127	25	5	<5	<10	235	1402	<2	30	<10	8	23
100304	CL1259575	<0.005	<1	1.70	12	796	2	3	3.18	<4	9	27	29	1.88	1.18	20	0.22	292	5	38	143	22	<5	<5	<10	216	1442	<2	32	<10	7	26
100305	CL1259576	<0.005	<1	2.26	13	615	<2	3	3.11	<4	8	36	16	2.05	1.12	16	0.27	334	3	49	160	19	<5	<5	<10	186	1260	<2	26	<10	9	37
100306	CL1259577	<0.005	<1	0.63	9	584	2	8	2.11	<4	6	41	8	2.29	1.06	14	0.23	239	4	54	132	20	<5	<5	<10	243	1303	<2	30	<10	6	34
100307	CL1259578	<0.005	<1	3.27	10	676	<2	<1	2.54	<4	12	37	16	3.22	1.02	23	0.53	347	1	33	336	18	<5	<5	<10	243	1931	<2	46	<10	10	44
100308	CL1259579	<0.005	<1	0.57	12	555	2	3	2.12	<4	6	36	13	2.01	1.39	14	0.22	239	3	37	173	19	<5	<5	<10	217	1334	<2	28	<10	7	27
100309	CL1259580	<0.005	<1	<0.01	10	577	2	<1	1.93	<4	6	43	21	1.83	1.38	13	0.19	214	5	46	163	19	<5	<5	<10	252	1352	<2	30	<10	5	30
100310D	CL1259580	<0.005	<1	<0.01	6	464	<2	<1	1.60	<4	6	32	19	1.82	1.32	13	0.20	214	2	44	164	14	<5	<5	<10	237	1339	<2	30	<10	6	31
100311	CL1259581	<0.005	<1	2.37	14	604	2	4	2.67	4	19	54	21	4.47	0.78	29	0.94	499	4	48	783	16	<5	<5	<10	211	2755	<2	82	<10	13	59
100312	CL1259582	<0.005	<1	4.09	11	582	<2	6	2.35	<4	7	61	17	2.10	0.96	20	0.40	254	5	51	680	19	<5	<5	<10	207	1683	<2	47	<10	8	35
100313	CL1259583	1.254	8	3.04	292	999	<2	12	2.70	5	21	166	130	4.40	0.88	26	0.58	318	4	47	674	265	40	6	<10	543	3346	<2	83	10	5	98
100314	CL1259584	<0.005	<1	3.46	11	660	2	2	3.49	<4	7	62	22	2.08	1.24	20	0.27	295	9	79	193	21	<5	<5	<10	275	1525	<2	35	<10	10	30
100315	CL1259585	0.006	<1	3.26	14	652	2	4	2.81	<4	8	54	43	2.18	1.04	20	0.25	275	7	56	165	27	<5	<5	<10	292	1457	<2	31	<10	10	39
100316	CL1259586	0.007	<1	1.91	12	560	2	2	2.34	<4	9	46	42	2.11	0.87	17	0.23	247	9	62	133	23	<5	<5	<10	250	1398	<2	28	<10	9	33
100317	CL1259587	<0.005	<1	2.14	13	611	<2	<1	2.30	<4	8	35	49	2.05	1.15	19	0.24	247	5	37	162	23	<5	<5	<10	272	1432	<2	29	<10	8	51
100318	CL1259588	<0.005	<1	0.40	9	674	2	5	2.42	<4	9	55	39	2.18	1.25	18	0.19	280	9	70	127	21	<5	<5	<10	295	1344	<2	30	<10	8	38
100319	CL1259589	0.005	<1	<0.01	12	617	2	7	2.33	<4	8	47	21	2.33	1.32	17	0.19	278	6	51	153	22	<5	<5	<10	274	1430	<2	31	<10	7	39
100320	CL1259590	<0.005	<1	<0.01	9	540	<2	3	1.93	<4	8	49	14	2.07	1.46	13	0.18	265	6	66	153	21	<5	<5	<10	267	1376	<2	28	<10	6	36
100321D	CL1259590	<0.005	<1	<0.01	8	560	<2	3	1.96	<4	7	116	17	2.16	1.51	14	0.16	278	8	89	161	19	<5	<5	<10	271	1418	<2	29	<10	6	35
100322	CL1259591	0.006	<1	<0.01	12	569	2	<1	1.84	<4	8	51	53	1.97	1.63	16	0.17	278	6	56	249	23	<5	<5	<10	271	1429	<2	29	<10	7	28

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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100323	CL1259592	0.006	<1	0.73	13	605	<2	2	2.07	<4	8	48	34	1.97	1.31	16	0.18	260	6	50	231	22	<5	<5	<10	291	1459	<2	29	<10	7	26
100324	CL1259593	<0.005	<1	1.12	14	619	2	8	2.12	<4	6	58	13	2.25	1.04	16	0.21	296	4	44	321	20	<5	<5	<10	327	1560	<2	34	<10	8	41
100325	CL1259594	<0.005	<1	3.10	19	522	3	17	5.99	9	39	556	11	9.54	1.11	62	3.10	1507	<1	171	1803	24	8	<5	<10	246	5207	<2	170	<10	14	201
100326	CL1259595	0.008	<1	6.93	17	638	2	10	4.09	4	20	197	38	4.32	0.82	39	1.28	631	3	62	645	20	<5	<5	<10	349	2828	<2	68	<10	17	81
100327	CL1259596	<0.005	<1	3.68	8	403	2	17	5.95	8	51	30	137	8.79	1.27	18	1.59	1247	<1	62	629	22	<5	<5	<10	266	6025	<2	273	<10	21	109
100328	CL1259597	<0.005	<1	4.07	13	621	2	<1	3.22	<4	10	40	34	2.10	1.01	22	0.30	292	4	35	187	26	<5	<5	<10	384	1838	<2	34	<10	9	28
100329	CL1259598	<0.005	<1	3.66	9	513	<2	<1	2.45	<4	9	46	36	1.95	1.22	12	0.33	277	3	45	222	20	<5	<5	<10	325	1674	<2	32	<10	10	28
100330	CL1259599	<0.005	<1	2.37	12	460	<2	<1	2.42	<4	8	37	19	2.14	1.28	13	0.29	293	2	45	189	16	<5	<5	<10	368	1698	<2	32	<10	11	31
100331	CL1259600	<0.005	<1	2.29	8	444	<2	7	2.65	<4	10	21	27	1.96	1.49	12	0.32	287	<1	28	212	21	<5	<5	<10	366	1769	<2	32	<10	9	33
100332D	CL1259600	<0.005	<1	2.07	8	525	2	<1	2.86	<4	9	27	29	2.00	0.85	17	0.28	291	2	32	239	20	<5	<5	<10	383	1784	<2	34	<10	7	39
100333	CL1259601	<0.005	<1	5.04	10	343	2	7	3.28	5	22	255	34	5.38	1.42	38	1.82	742	4	135	925	18	<5	<5	<10	215	2878	<2	82	<10	13	104
100334	CL1259602	<0.005	<1	1.04	8	421	2	6	2.30	<4	9	58	47	2.00	1.07	11	0.23	254	7	76	200	17	<5	<5	<10	279	1606	<2	32	<10	6	30
100335	CL1259603	<0.005	<1	2.00	12	538	2	2	2.28	<4	9	60	30	2.18	1.37	15	0.24	288	7	63	293	17	<5	<5	<10	318	1678	<2	34	<10	8	40
100336	CL1259604	<0.005	<1	4.38	11	520	<2	12	2.09	<4	8	55	24	2.18	1.01	15	0.32	239	7	65	321	13	<5	<5	<10	255	1558	<2	32	<10	9	32
100337	CL1259605	0.006	<1	1.73	12	560	2	<1	2.37	<4	10	64	57	2.60	1.01	17	0.30	313	9	91	267	15	<5	<5	<10	290	1812	<2	40	<10	9	35
100338	CL1259606	0.006	<1	2.33	13	1060	2	4	3.12	<4	13	51	34	2.94	1.25	24	0.44	397	8	70	216	26	<5	<5	<10	221	2137	<2	49	<10	10	35
100339	CL1259607	<0.005	<1	4.65	5	669	<2	<1	2.54	<4	10	46	21	2.65	1.46	14	0.49	357	3	63	260	21	<5	<5	<10	264	1900	<2	41	<10	13	29
100340	CL1259608	<0.005	<1	5.18	11	732	<2	2	2.59	<4	12	39	107	2.40	1.30	21	0.46	330	5	54	268	20	<5	<5	<10	217	1988	<2	44	<10	11	33
100341	CL1259609	0.113	<1	4.67	44	335	2	<1	2.45	4	14	20	4305	3.76	1.82	17	1.26	298	68	11	630	26	<5	<5	<10	248	1775	<2	280	<10	7	85
100342	CL1259610	<0.005	<1	1.62	12	781	2	9	3.12	<4	12	57	34	2.33	1.45	20	0.31	327	9	86	171	20	<5	<5	<10	209	1842	<2	44	<10	7	35

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100343D	CL1259610	<0.005	<1	1.38	11	722	<2	7	2.91	<4	12	55	24	2.25	1.63	18	0.29	316	9	88	190	18	<5	<5	<10	198	1786	<2	43	<10	6	75
100344	CL1259611	<0.005	<1	0.05	8	675	2	4	2.57	<4	8	49	17	2.29	1.55	15	0.23	280	7	66	211	20	<5	<5	<10	202	1921	<2	46	<10	6	139
100345	CL1259612	<0.005	<1	0.88	15	469	<2	5	2.12	<4	9	56	19	2.60	1.85	15	0.32	348	7	67	289	20	<5	<5	<10	262	2016	<2	43	<10	8	43
100346	CL1259613	<0.005	<1	1.06	16	550	2	7	2.55	<4	10	47	17	3.10	1.27	20	0.39	444	4	62	333	20	<5	<5	<10	249	2165	<2	46	<10	8	58
100347	CL1259614	<0.005	<1	4.13	15	556	2	2	2.24	<4	9	58	20	2.45	1.04	16	0.32	297	6	65	357	23	<5	<5	<10	257	2190	<2	45	<10	11	35
100348	CL1259615	<0.005	<1	5.17	10	592	<2	<1	2.29	<4	9	53	20	2.38	1.00	17	0.32	294	6	53	387	17	<5	<5	<10	262	2151	<2	43	<10	11	32
100349	CL1259616	<0.005	<1	2.28	11	529	2	5	2.04	<4	12	55	28	2.46	1.25	15	0.34	332	8	78	323	21	<5	<5	<10	277	2152	<2	44	<10	11	34
100350	CL1259617	<0.005	<1	5.07	30	545	2	<1	1.98	<4	13	37	60	2.41	1.46	16	0.50	323	<1	44	302	20	5	<5	<10	260	2192	<2	42	<10	13	37
100351	CL1259618	<0.005	<1	4.10	9	628	<2	<1	2.57	<4	12	37	42	2.48	1.45	17	0.44	341	2	41	238	22	5	<5	<10	288	2133	<2	44	<10	12	40
100352	CL1259619	<0.005	<1	2.93	17	961	2	12	2.76	<4	7	38	17	2.30	1.41	21	0.32	320	13	42	228	23	<5	<5	<10	283	2332	<2	50	<10	11	37
100353	CL1259620	<0.005	<1	1.36	11	568	<2	<1	2.30	<4	7	34	55	1.82	1.25	13	0.19	260	3	41	175	21	<5	<5	<10	296	1670	<2	30	<10	6	34
100354R	CL1259620	<0.005	<1	1.14	12	544	2	<1	2.17	<4	6	44	63	1.83	1.27	13	0.20	261	3	44	210	20	<5	<5	<10	285	1678	<2	31	<10	6	34
100355	CL1259621	0.009	<1	0.35	18	631	2	2	2.36	<4	16	89	32	2.75	1.42	19	0.37	388	3	49	297	22	<5	<5	<10	256	1879	<2	43	<10	8	109
100356	CL1259622	<0.005	<1	0.86	17	442	2	9	6.26	9	54	30	147	9.36	1.19	19	1.41	1331	<1	63	599	29	6	<5	<10	273	6301	<2	288	<10	19	112
100357	CL1259623	<0.005	<1	0.94	12	795	<2	5	2.41	<4	9	30	21	1.96	1.63	18	0.25	275	<1	26	130	24	<5	<5	<10	269	1647	<2	33	<10	8	32
100358	CL1259624	<0.005	<1	<0.01	11	619	2	3	2.49	<4	8	25	14	2.32	1.13	13	0.21	316	<1	29	137	21	<5	<5	<10	307	1597	<2	32	<10	8	60
100359	CL1259625	<0.005	<1	1.44	13	762	2	<1	3.01	<4	9	39	25	2.02	1.27	20	0.20	308	3	32	114	24	<5	<5	<10	323	1552	<2	28	<10	8	38
100360	CL1259626	<0.005	<1	0.40	11	553	2	<1	2.09	<4	7	36	219	2.49	1.32	16	0.33	355	<1	47	165	23	<5	<5	<10	306	1955	<2	41	<10	10	46
100361	CL1259627	<0.005	<1	<0.01	6	376	<2	<1	1.84	<4	5	32	17	1.57	1.22	9	0.20	250	2	39	174	22	<5	<5	<10	259	1512	<2	30	<10	7	204
100362	CL1259628	<0.005	<1	0.25	9	510	<2	<1	2.57	<4	10	38	28	1.84	1.69	14	0.20	289	3	31	179	18	<5	<5	<10	333	1967	<2	35	<10	6	78

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Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100363	CL1259629	<0.005	<1	0.88	13	583	2	6	2.96	<4	15	44	35	2.55	1.24	19	0.36	424	2	39	286	21	<5	<5	<10	379	2049	<2	55	<10	8	57
100364	CL1259630	<0.005	<1	2.57	10	316	2	8	5.23	5	28	282	57	4.95	1.63	52	2.47	1004	<1	135	1208	15	<5	<5	<10	189	3427	<2	115	<10	12	134
100365D	CL1259630	<0.005	<1	2.52	16	296	2	2	4.69	4	25	268	50	4.46	1.28	47	2.19	899	<1	121	1093	16	<5	<5	<10	180	3098	<2	105	<10	11	110
100366	CL1259631	<0.005	<1	6.78	12	450	<2	<1	2.47	<4	10	30	103	2.00	1.13	12	0.45	264	1	32	319	12	<5	<5	<10	203	1784	<2	40	<10	11	26
100367	CL1259632	0.006	<1	<0.01	9	489	2	<1	1.91	<4	8	32	76	2.14	1.77	12	0.22	281	2	37	179	22	<5	<5	<10	200	1733	<2	38	<10	6	42
100368	CL1259633	<0.005	<1	1.42	11	544	<2	4	2.61	<4	8	46	45	2.53	1.31	20	0.30	311	6	48	144	22	<5	<5	<10	255	1867	<2	40	<10	7	43
100369	CL1259634	0.011	<1	1.96	7	544	<2	<1	2.14	<4	7	47	73	1.82	2.22	13	0.24	230	6	47	115	17	<5	<5	<10	225	1493	<2	26	<10	10	29
100370	CL1259635	0.522	<1	5.86	216	514	3	7	6.76	8	55	153	69	7.99	1.59	21	2.63	1193	<1	129	1418	16	<5	<5	<10	523	8293	<2	146	<10	16	97
100371	CL1259636	<0.005	<1	3.27	9	264	2	4	1.21	<4	8	35	66	2.12	1.57	2	0.39	285	<1	33	208	7	<5	<5	<10	219	1262	<2	26	<10	12	44
100372	CL1259637	<0.005	<1	1.87	12	346	<2	5	2.18	<4	13	44	32	2.86	1.27	14	0.50	430	3	47	270	21	<5	<5	<10	258	1988	<2	46	<10	13	54
100373	CL1259638	<0.005	<1	<0.01	12	488	2	7	2.86	<4	12	53	26	2.81	1.42	20	0.26	454	5	49	164	21	<5	<5	<10	299	1928	<2	46	<10	7	54
100374	CL1259639	<0.005	<1	0.02	7	495	2	<1	2.84	<4	11	49	20	2.64	1.30	22	0.25	462	4	42	200	27	<5	<5	<10	304	1962	<2	46	<10	7	53
100375	CL1259640	<0.005	<1	3.36	14	405	2	<1	2.25	<4	9	38	37	2.39	1.18	11	0.34	384	2	37	279	16	<5	<5	<10	266	1738	<2	39	<10	8	37
100376D	CL1259640	<0.005	<1	2.38	11	495	<2	3	2.18	<4	9	46	36	2.29	1.41	17	0.27	371	4	37	335	24	<5	<5	<10	262	1755	<2	39	<10	7	44
100377	CL1259641	0.018	<1	6.11	13	368	2	11	2.94	<4	14	54	74	3.17	1.01	24	0.64	512	5	51	396	16	<5	<5	<10	297	2179	<2	61	<10	13	53
100378	CL1259642	<0.005	<1	4.68	16	507	<2	7	2.61	<4	9	39	37	2.29	1.06	20	0.33	400	4	29	327	24	<5	<5	<10	287	1687	<2	39	<10	10	48
100379	CL1259643	<0.005	<1	<0.01	16	710	<2	8	2.73	<4	8	36	21	2.30	1.36	19	0.21	379	3	33	192	27	<5	<5	<10	300	1706	<2	38	<10	6	67
100380	CL1259644	<0.005	<1	0.10	10	565	2	4	3.03	<4	10	42	23	2.55	1.20	21	0.25	406	4	40	138	28	<5	<5	<10	334	1857	<2	40	<10	8	56
100381	CL1259645	<0.005	<1	2.88	16	609	<2	1	3.25	<4	9	43	19	2.46	1.05	19	0.27	372	4	35	149	23	<5	6	<10	350	1793	<2	35	<10	10	43
100382	CL1259646	<0.005	<1	2.18	11	459	2	<1	2.68	<4	10	46	32	2.71	1.37	15	0.33	392	2	34	182	18	<5	<5	<10	317	1764	<2	41	<10	13	40

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Thursday, November 28, 2013


## Final Certificate

 iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
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 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/20/2013  
 Job #: 201310904  
 Reference: CL sample series  
 Sample #: 300

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100383	CL1259647	0.219	<1	1.49	16	553	<2	2	2.89	<4	12	26	162	2.54	1.12	13	0.34	407	<1	27	173	20	<5	<5	<10	210	1615	<2	44	<10	10	45
100384	CL1259648	0.013	<1	4.95	12	461	3	11	6.44	9	51	30	143	9.30	1.46	20	1.73	1305	<1	57	710	31	<5	<5	<10	276	6008	<2	274	<10	23	107
100385	CL1259649	0.005	<1	3.36	12	528	<2	9	2.97	4	14	27	50	3.59	1.03	14	0.77	602	<1	24	829	10	<5	<5	<10	182	2560	<2	81	<10	10	34
100386	CL1259650	0.017	<1	2.86	13	605	2	6	2.81	<4	9	30	19	2.17	1.37	17	0.25	298	1	30	164	22	<5	<5	<10	250	1241	<2	36	<10	6	31
100387D	CL1259650	0.006	<1	2.94	10	608	2	4	2.86	<4	9	33	20	2.16	1.20	17	0.28	295	3	31	227	21	<5	<5	<10	252	1278	<2	36	<10	7	33
100388	CL1259651	0.010	<1	2.26	13	610	<2	8	2.58	<4	9	38	28	2.09	1.17	16	0.27	294	2	30	293	21	<5	<5	<10	238	1299	<2	38	<10	8	29
100389	CL1259652	<0.005	<1	2.03	8	549	<2	6	2.63	<4	10	32	28	2.35	1.13	17	0.27	334	2	36	314	23	<5	<5	<10	252	1458	<2	41	<10	7	37
100390	CL1259653	<0.005	<1	5.93	6	703	2	2	3.39	<4	11	30	12	2.72	0.91	18	0.43	403	<1	30	401	20	<5	<5	10	211	1332	<2	48	<10	10	28
100391	CL1259654	<0.005	<1	3.61	14	578	<2	<1	2.40	<4	8	30	15	2.02	0.97	14	0.27	314	2	29	357	15	<5	<5	<10	216	1292	<2	35	<10	8	27
100392	CL1259655	<0.005	<1	<0.01	8	543	<2	11	2.75	<4	8	26	18	2.08	0.97	10	0.23	350	<1	30	174	16	<5	<5	10	199	1017	<2	38	<10	6	23
100393	CL1259656	<0.005	<1	2.15	10	783	<2	6	5.50	4	15	24	22	3.71	1.35	26	0.58	760	2	39	235	24	<5	<5	<10	246	940	<2	41	<10	12	39
100394	CL1259657	<0.005	<1	2.13	12	749	<2	5	3.41	<4	10	31	34	2.47	1.06	19	0.34	399	1	25	171	19	8	<5	<10	212	985	<2	40	<10	8	27
100395	CL1259658	<0.005	<1	2.36	12	651	<2	<1	3.34	<4	6	38	21	1.67	1.22	18	0.24	357	4	39	137	19	<5	<5	<10	227	860	<2	30	<10	7	18
100396	CL1259659	<0.005	<1	<0.01	9	680	<2	5	3.06	<4	7	42	21	1.93	1.44	16	0.20	347	5	46	137	24	<5	<5	<10	237	884	<2	35	<10	6	29
100397	CL1259660	<0.005	<1	2.29	11	638	2	<1	3.31	<4	11	57	41	2.95	1.48	26	0.46	362	2	46	256	24	<5	<5	<10	263	1080	<2	47	<10	9	49
100398D	CL1259660	<0.005	<1	1.99	10	578	2	12	3.02	<4	11	56	39	2.84	1.45	21	0.43	351	2	44	280	23	<5	<5	<10	247	1038	<2	46	<10	8	45
100399	CL1259661	1.889	<1	3.36	663	495	3	6	5.90	8	47	151	90	8.44	1.55	16	2.14	1569	<1	116	1614	28	7	<5	<10	466	7157	<2	138	<10	12	113
100400	CL1259662	<0.005	<1	0.50	11	556	<2	<1	2.61	<4	8	26	24	2.18	1.29	15	0.21	300	13	32	254	19	<5	<5	<10	241	901	<2	34	<10	6	35
100401	CL1259663	<0.005	<1	1.04	11	656	<2	<1	3.33	<4	7	28	17	1.86	1.09	16	0.20	376	3	29	292	19	<5	<5	<10	211	929	<2	33	<10	7	24
100402	CL1259664	<0.005	<1	2.53	10	620	2	1	2.42	<4	8	32	15	2.08	0.99	16	0.23	348	2	30	333	22	<5	<5	<10	236	1225	<2	34	<10	6	29

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 POM1W0  
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 Job #: 201310904  
 Reference: CL sample series  
 Sample #: 300

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100403	CL1259665	<0.005	<1	6.67	14	600	2	1	2.85	<4	7	28	15	1.83	1.23	15	0.29	336	1	24	362	17	<5	<5	<10	230	1161	<2	30	<10	12	19
100404	CL1259666	<0.005	<1	<0.01	8	560	<2	<1	2.29	<4	9	27	14	2.00	1.26	11	0.18	379	<1	24	176	21	<5	<5	<10	210	1175	<2	34	<10	6	29
100405	CL1259667	<0.005	<1	2.09	9	727	<2	<1	3.05	<4	7	33	8	2.18	1.49	16	0.26	341	1	30	153	20	<5	<5	<10	184	1062	<2	35	<10	9	29
100406	CL1259668	<0.005	<1	2.78	10	684	<2	<1	2.91	<4	8	29	9	2.16	1.82	17	0.27	365	1	26	157	19	<5	<5	<10	217	1139	<2	33	<10	8	29
100407	CL1259669	<0.005	<1	3.19	11	439	2	<1	2.24	<4	8	36	15	2.25	1.36	9	0.29	340	1	36	181	8	<5	<5	<10	306	1245	<2	31	<10	10	41
100408	CL1259670	<0.005	<1	1.05	8	550	<2	6	2.41	<4	9	42	15	2.23	1.41	13	0.23	307	3	46	161	20	<5	<5	<10	342	1342	<2	32	<10	8	37
100409D	CL1259670	<0.005	<1	1.31	10	636	2	10	2.71	<4	9	45	17	2.36	1.45	19	0.22	322	4	48	176	20	<5	<5	<10	366	1447	<2	34	<10	7	55
100410	CL1259671	<0.005	<1	<0.01	9	502	<2	2	2.49	<4	7	37	17	1.92	1.29	14	0.19	283	3	34	164	20	<5	<5	<10	330	1314	<2	30	<10	7	91
100411	CL1259672	<0.005	<1	4.34	10	436	2	8	4.29	<4	16	141	28	3.24	1.22	29	0.95	480	2	75	618	22	<5	<5	<10	324	1311	<2	63	<10	12	99
100412	CL1259673	<0.005	<1	2.09	17	534	2	3	4.92	4	22	204	43	4.22	1.09	26	1.57	964	<1	80	779	14	<5	<5	<10	181	1164	<2	73	<10	9	60
100413	CL1259674	<0.005	<1	2.49	7	263	3	12	5.41	10	52	25	153	9.35	0.93	10	1.57	1303	<1	62	684	24	<5	<5	<10	245	6538	<2	293	<10	21	105
100414	CL1259675	<0.005	<1	3.54	10	575	<2	<1	2.53	<4	7	26	59	1.99	1.72	1	0.38	386	<1	27	268	9	6	<5	<10	158	1022	<2	43	<10	9	16
100415	CL1259676	<0.005	<1	5.73	12	310	<2	<1	1.79	<4	7	31	8	2.05	1.02	<1	0.47	330	<1	38	322	7	5	5	<10	191	924	<2	35	<10	14	25
100416	CL1259677	<0.005	<1	<0.01	10	512	<2	4	2.47	<4	8	36	21	2.20	1.54	15	0.19	321	3	42	162	23	7	<5	<10	312	1234	<2	34	<10	7	35
100417	CL1259678	<0.005	<1	6.32	6	355	2	9	2.34	<4	9	35	21	2.53	1.00	12	0.46	346	<1	51	294	18	<5	<5	<10	292	1378	<2	34	<10	17	36
100418	CL1259679	<0.005	<1	5.84	3	346	<2	3	1.88	<4	8	30	24	2.22	1.10	1	0.45	318	<1	46	306	9	<5	<5	<10	225	1286	<2	31	<10	16	26
100419	CL1259680	<0.005	<1	0.82	12	723	<2	8	3.05	<4	9	36	17	2.01	1.20	15	0.20	297	3	39	138	18	<5	<5	<10	218	1273	<2	31	<10	7	26
100420R	CL1259680	<0.005	<1	0.15	15	1047	2	<1	3.66	<4	8	49	21	1.99	1.52	35	0.18	304	9	44	228	31	<5	<5	<10	260	1417	<2	34	<10	6	30
100421	CL1259681	<0.005	<1	0.55	14	870	2	<1	3.29	<4	9	39	22	2.28	1.14	27	0.24	402	7	49	217	29	<5	<5	<10	250	1571	<2	41	<10	7	39
100422	CL1259682	<0.005	<1	9.91	16	505	<2	<1	3.07	<4	11	42	24	2.69	0.94	23	0.56	366	3	37	428	17	<5	<5	<10	328	1692	<2	44	<10	20	158

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Job #: 201310904  
Reference: CL sample series  
Sample #: 300

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100423	CL1259683	0.005	<1	9.93	10	558	2	12	4.23	<4	12	48	13	3.21	0.79	28	0.73	473	3	41	459	21	6	<5	<10	291	1654	<2	44	<10	19	67
100424	CL1259684	<0.005	<1	>10.00	13	519	2	<1	3.50	<4	13	57	23	3.14	1.09	27	0.72	432	3	56	472	17	<5	<5	<10	308	1676	<2	54	<10	20	100
100425	CL1259685	<0.005	<1	>10.00	17	603	2	7	3.66	<4	9	46	14	2.53	0.92	23	0.56	352	4	45	425	19	<5	10	<10	278	1463	<2	46	<10	20	30
100426	CL1259686	<0.005	<1	8.18	16	598	<2	5	3.16	<4	7	45	11	2.20	1.33	18	0.45	378	3	46	380	16	<5	<5	<10	207	1224	<2	42	<10	14	26
100427	CL1259687	<0.005	<1	7.89	12	947	2	5	4.27	<4	10	39	31	2.31	0.90	19	0.41	426	1	39	398	15	<5	<5	<10	182	1197	<2	54	<10	14	21
100428	CL1259688	1.152	3	9.61	297	956	2	12	2.84	5	19	236	138	4.42	0.68	28	0.90	297	3	41	812	248	47	5	<10	580	3297	<2	86	14	7	97
100429	CL1259689	<0.005	<1	9.77	16	982	<2	<1	3.63	<4	8	38	23	1.93	0.72	16	0.40	394	<1	27	480	17	<5	<5	<10	217	1326	<2	57	<10	14	10
100430	CL1259690	0.011	<1	3.54	14	383	<2	<1	2.18	<4	8	39	18	2.01	1.30	8	0.32	316	1	41	351	13	<5	<5	<10	235	1421	<2	35	<10	11	32
100431D	CL1259690	<0.005	<1	3.82	15	465	2	<1	2.71	<4	8	41	20	2.03	0.58	14	0.41	312	2	41	389	14	5	<5	<10	260	1499	<2	35	<10	14	24
100432	CL1259691	<0.005	<1	6.60	6	428	<2	4	2.26	<4	7	38	15	1.61	0.62	9	0.33	246	<1	36	337	16	<5	<5	<10	228	1271	<2	31	<10	13	27
100433	CL1259692	<0.005	<1	6.80	11	432	<2	3	2.20	<4	7	47	32	1.94	0.56	10	0.37	276	2	46	356	14	<5	<5	<10	276	1664	<2	32	<10	16	48
100434	CL1259693	<0.005	<1	>10.00	9	627	2	<1	3.17	<4	9	57	22	2.29	0.71	27	0.51	300	6	50	412	20	<5	<5	<10	298	1895	<2	37	<10	18	42
100435	CL1259694	<0.005	<1	8.94	14	530	2	1	3.29	<4	16	72	23	3.39	0.98	34	0.78	484	6	79	465	14	<5	<5	<10	329	2621	<2	62	<10	20	56
100436	CL1259695	<0.005	<1	10.00	11	588	2	<1	2.86	<4	12	74	24	2.90	1.13	35	0.69	381	6	76	444	18	<5	<5	<10	326	2299	<2	47	<10	21	52
100437	CL1259696	<0.005	<1	9.23	12	628	2	3	3.45	<4	12	63	26	2.79	1.09	34	0.59	368	6	69	407	20	7	<5	<10	311	2183	<2	47	<10	19	45
100438	CL1259697	<0.005	<1	10.00	14	529	2	<1	3.44	<4	13	72	17	3.12	0.94	33	0.71	403	8	84	434	13	<5	<5	<10	328	2403	<2	55	<10	21	47
100439	CL1259698	<0.005	<1	9.57	11	521	2	8	3.22	<4	13	81	19	3.10	0.98	31	0.61	389	11	102	418	17	<5	<5	<10	342	2332	<2	48	<10	21	47
100440	CL1259699	<0.005	<1	8.58	11	516	<2	<1	2.63	<4	9	60	15	2.16	0.77	20	0.43	297	4	57	381	15	<5	<5	<10	320	1925	<2	35	<10	19	38
100441	CL1259700	<0.005	<1	6.34	9	411	<2	<1	1.75	<4	6	51	13	1.70	1.15	16	0.28	254	3	48	278	20	<5	<5	<10	251	1623	<2	29	<10	11	33
100442D	CL1259700	<0.005	<1	6.49	11	496	<2	3	2.19	<4	8	54	14	1.76	0.84	20	0.34	257	3	53	327	17	<5	<5	<10	273	1748	<2	29	<10	13	35

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
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 Job #: 201310904  
 Reference: CL sample series  
 Sample #: 300

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100443	CL1259701	<0.005	<1	4.79	13	276	2	9	4.92	8	47	54	136	8.46	1.28	10	1.61	1157	<1	71	693	18	<5	<5	<10	251	5977	<2	268	<10	21	88
100444	CL1259702	<0.005	<1	7.44	11	508	<2	<1	2.29	<4	8	102	23	1.90	0.52	16	0.35	265	6	72	324	17	<5	5	<10	277	1813	<2	34	<10	14	37
100445	CL1259703	<0.005	<1	6.93	14	309	<2	4	2.24	<4	9	71	16	1.67	0.57	11	0.35	249	5	53	275	14	<5	<5	10	263	1755	<2	34	<10	14	34
100446	CL1259704	<0.005	<1	6.78	8	144	<2	<1	1.81	<4	8	81	19	2.16	0.07	10	0.52	295	3	68	327	11	<5	<5	<10	276	1885	<2	37	<10	24	40
100447	CL1259705	<0.005	<1	6.10	7	189	2	<1	1.83	<4	9	74	8	2.11	0.64	9	0.47	281	2	68	320	10	<5	<5	<10	246	1812	<2	36	<10	22	39
100448	CL1259706	<0.005	<1	7.26	9	271	2	<1	2.27	<4	9	84	8	2.42	0.78	13	0.57	342	2	55	382	10	<5	<5	<10	278	2027	<2	39	<10	25	38
100449	CL1259707	<0.005	<1	7.81	17	498	<2	<1	3.04	<4	11	75	13	2.23	1.15	27	0.50	310	2	33	333	17	<5	<5	<10	318	2028	<2	41	<10	20	38
100450	CL1259708	<0.005	<1	9.12	16	537	<2	<1	2.96	<4	7	62	16	1.42	0.95	22	0.35	207	1	24	224	18	<5	<5	<10	277	1915	<2	30	<10	14	18
100451	CL1259709	<0.005	<1	7.71	6	915	<2	<1	3.08	<4	7	54	14	0.86	0.76	17	0.24	208	1	18	275	16	<5	<5	<10	168	2240	<2	25	<10	16	8
100452	CL1259710	<0.005	<1	6.83	16	489	<2	5	2.71	<4	8	61	19	1.87	0.58	23	0.34	249	1	26	343	15	5	<5	<10	296	1768	<2	32	<10	15	29
100453D	CL1259710	<0.005	<1	7.12	12	487	<2	<1	2.65	<4	8	70	19	1.89	1.04	21	0.36	252	2	28	354	15	<5	<5	<10	294	1806	<2	32	<10	15	34
100454	CL1259711	<0.005	<1	2.58	11	466	2	7	2.10	<4	9	65	13	1.97	0.93	20	0.29	276	2	28	304	19	<5	<5	<10	285	1788	<2	34	<10	11	41
100455	CL1259712	<0.005	<1	8.65	9	467	<2	1	2.38	<4	9	53	13	1.69	0.57	18	0.43	227	<1	23	364	14	<5	<5	<10	278	1759	<2	32	<10	16	35
100456	CL1259713	<0.005	<1	6.63	16	329	<2	8	1.98	<4	7	41	13	1.35	0.63	14	0.32	201	<1	22	320	17	<5	<5	<10	235	1527	<2	27	<10	11	23
100457	CL1259714	0.113	<1	6.00	33	220	<2	9	1.84	<4	11	20	3613	3.02	0.44	10	1.12	245	43	9	635	18	<5	<5	<10	213	1445	<2	240	<10	5	67
100458	CL1259715	<0.005	<1	2.72	11	289	<2	<1	1.56	<4	8	38	12	1.53	1.06	10	0.26	217	<1	22	265	15	<5	<5	<10	227	1448	<2	27	<10	9	25
100459	CL1259716	<0.005	<1	6.60	17	444	<2	<1	2.66	<4	8	93	18	2.04	0.99	22	0.38	301	3	29	351	17	<5	<5	<10	314	1918	<2	33	<10	11	42
100460	CL1259717	<0.005	<1	8.86	19	448	<2	<1	3.04	<4	10	61	24	2.12	1.19	27	0.44	308	3	30	391	29	<5	<5	<10	328	1973	<2	35	<10	11	89
100461	CL1259718	<0.005	<1	5.29	8	266	<2	3	2.23	<4	10	61	15	2.21	1.28	16	0.44	342	<1	32	356	13	<5	<5	<10	303	2045	<2	36	<10	12	40
100462	CL1259719	<0.005	<1	7.09	13	376	<2	6	2.64	<4	11	66	19	2.11	0.73	23	0.43	320	2	32	358	15	<5	<5	13	316	1961	<2	35	<10	11	36

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100463	CL1259720	<0.005	<1	8.55	11	406	<2	7	3.03	<4	9	55	14	2.20	0.65	25	0.47	320	3	32	395	16	<5	<5	<10	338	2044	<2	36	<10	13	40
100464D	CL1259720	<0.005	<1	5.40	10	256	<2	2	2.11	<4	7	51	12	1.83	1.19	15	0.36	272	<1	29	330	13	<5	<5	<10	278	1710	<2	31	<10	10	38
100465	CL1259721	<0.005	<1	7.61	11	350	<2	4	2.83	<4	8	70	9	1.72	1.15	14	0.36	254	2	33	387	16	<5	9	<10	296	1768	<2	25	<10	9	28
100466	CL1259722	<0.005	<1	8.53	11	392	<2	18	2.26	<4	9	33	8	1.84	0.86	11	0.41	287	<1	20	428	9	<5	<5	10	309	1889	<2	35	<10	9	25
100467	CL1259723	<0.005	<1	7.01	13	296	<2	8	2.53	<4	9	65	13	2.01	0.94	18	0.42	307	1	31	360	19	<5	<5	<10	291	1888	<2	35	<10	11	31
100468	CL1259724	<0.005	<1	7.75	13	291	<2	1	2.64	<4	8	55	13	1.83	0.85	18	0.41	281	<1	28	315	16	<5	5	<10	288	1748	<2	32	<10	12	28
100469	CL1259725	<0.005	<1	8.66	8	430	<2	3	2.93	<4	7	64	13	1.93	0.47	18	0.41	318	4	48	302	15	<5	<5	<10	292	1610	<2	35	<10	8	21
100470	CL1259726	<0.005	<1	6.47	11	577	<2	4	2.35	<4	5	71	15	1.12	0.92	12	0.23	241	4	43	260	17	<5	<5	<10	216	1246	<2	24	<10	7	29
100471	CL1259727	0.005	<1	5.75	11	368	2	17	5.56	8	49	67	142	8.60	0.99	17	1.62	1192	<1	64	674	28	<5	<5	<10	259	5923	<2	275	<10	21	106
100472	CL1259728	<0.005	<1	7.51	10	505	<2	<1	2.65	<4	6	56	13	1.43	1.19	13	0.28	268	3	33	348	13	<5	<5	<10	219	1220	<2	30	<10	8	16
100473	CL1259729	<0.005	<1	4.69	9	257	<2	<1	1.52	<4	4	61	9	0.91	0.96	<1	0.15	178	2	63	175	7	<5	<5	<10	210	654	<2	16	<10	4	6
100474	CL1259730	<0.005	<1	7.45	11	542	<2	<1	2.48	<4	3	66	9	0.85	1.13	13	0.17	163	4	45	244	16	<5	<5	<10	230	714	<2	19	<10	5	12
100475D	CL1259730	<0.005	<1	9.52	12	528	<2	<1	2.69	<4	4	61	10	0.81	0.78	13	0.19	154	5	38	250	15	<5	<5	<10	236	702	<2	18	<10	6	18
100476	CL1259731	<0.005	<1	9.31	9	706	<2	<1	2.34	<4	4	55	10	0.93	0.87	13	0.20	133	5	48	238	7	<5	<5	<10	223	1004	<2	23	<10	6	41
100477	CL1259732	<0.005	<1	7.90	11	719	<2	3	2.22	<4	3	57	9	0.66	1.11	10	0.12	167	4	52	149	17	<5	<5	<10	187	800	<2	14	<10	3	42
100478	CL1259733	<0.005	<1	8.56	12	722	<2	<1	3.84	<4	4	51	8	0.73	0.90	7	0.14	325	2	28	273	13	<5	12	<10	221	1055	<2	21	<10	7	8
100479	CL1259734	<0.005	<1	9.38	17	605	<2	3	4.89	<4	5	31	9	0.98	0.85	10	0.21	412	<1	24	186	13	<5	<5	<10	293	711	<2	19	<10	5	102
100480	CL1259735	<0.005	<1	8.05	12	351	<2	4	2.74	<4	3	54	15	0.83	0.87	11	0.17	141	4	37	287	14	<5	<5	<10	286	1328	<2	16	<10	8	8
100481	CL1259736	<0.005	<1	5.80	10	292	<2	<1	2.03	<4	8	70	16	1.78	0.84	11	0.31	276	3	44	352	16	<5	<5	<10	286	1361	<2	28	<10	7	32
100482	CL1259737	0.006	<1	6.58	7	135	<2	<1	1.74	<4	7	72	99	1.95	0.50	4	0.37	291	3	55	356	9	<5	<5	<10	275	1420	<2	28	<10	11	34

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100483	CL1259738	<0.005	<1	6.99	6	282	<2	<1	2.12	<4	7	52	12	1.62	0.58	10	0.30	248	2	34	353	19	<5	<5	<10	290	1326	<2	27	<10	8	29
100484	CL1259739	<0.005	<1	8.33	13	418	<2	2	2.56	<4	7	51	16	1.77	0.78	20	0.32	259	2	24	386	15	<5	<5	<10	323	1485	<2	28	<10	9	42
100485	CL1259740	1.497	<1	2.79	211	463	2	4	5.81	8	52	210	73	7.48	0.28	13	1.60	1109	<1	125	1485	22	<5	<5	<10	480	8553	<2	148	<10	13	90
100486R	CL1259740																IS															
100487	CL1259741	<0.005	<1	7.05	10	351	<2	8	2.40	<4	7	44	24	1.71	0.94	17	0.30	274	1	26	349	18	<5	<5	<10	292	1489	<2	28	<10	8	30
100488	CL1259742	<0.005	<1	8.83	13	384	<2	4	2.24	<4	8	47	25	1.83	0.31	16	0.38	274	1	26	383	13	<5	<5	<10	306	1640	<2	28	<10	12	104
100489	CL1259743	<0.005	<1	8.61	13	369	<2	<1	2.16	<4	9	44	14	1.91	0.47	16	0.43	324	<1	24	398	15	<5	<5	<10	305	1726	<2	29	<10	11	54
100490	CL1259744	<0.005	<1	8.37	9	350	2	<1	2.06	<4	6	35	19	1.68	0.63	11	0.35	273	<1	25	385	15	<5	<5	<10	312	1603	<2	27	<10	11	39
100491	CL1259745	<0.005	<1	8.94	16	370	<2	<1	2.44	<4	8	49	19	1.50	0.42	14	0.33	250	1	24	360	16	<5	<5	<10	335	1690	<2	25	<10	12	49
100492	CL1259746	<0.005	<1	7.97	10	207	<2	<1	1.85	<4	7	51	14	1.43	0.48	4	0.34	247	<1	25	289	15	<5	<5	<10	288	1635	<2	24	<10	13	29
100493	CL1259747	<0.005	<1	8.63	16	398	<2	<1	2.55	<4	7	47	17	1.42	0.34	9	0.32	238	2	22	378	17	<5	<5	<10	260	1402	<2	26	<10	9	109
100494	CL1259748	<0.005	<1	8.41	14	267	<2	4	2.22	<4	8	44	16	1.87	0.45	11	0.43	316	<1	23	381	12	<5	<5	<10	292	1590	<2	28	<10	11	66
100495	CL1259749	<0.005	<1	8.52	16	395	<2	<1	1.99	<4	7	46	20	1.70	0.52	17	0.35	274	<1	26	364	14	<5	<5	<10	290	1583	<2	27	<10	10	131
100496	CL1259750	<0.005	<1	5.16	15	337	<2	10	1.63	<4	7	42	17	1.58	0.83	9	0.30	301	<1	23	348	15	<5	<5	<10	277	1646	<2	26	<10	6	60
100497D	CL1259750	<0.005	<1	8.22	16	300	<2	<1	1.97	<4	8	50	16	1.63	0.66	9	0.36	302	1	24	354	16	<5	<5	<10	294	1592	<2	26	<10	10	46
100498	CL1259751	<0.005	<1	8.66	18	328	<2	<1	2.22	<4	9	38	12	1.83	0.55	12	0.39	311	<1	23	391	15	<5	<5	<10	319	1704	<2	28	<10	10	53
100499	CL1259752	<0.005	<1	8.54	9	348	2	<1	2.23	<4	8	35	14	1.78	0.39	13	0.38	323	<1	21	380	13	<5	<5	<10	315	1698	<2	27	<10	9	50
100500	CL1259753	<0.005	<1	8.41	15	375	3	4	5.35	9	48	48	162	9.26	0.60	15	1.71	1217	<1	53	725	28	<5	<5	<10	278	6627	<2	288	<10	26	103
100501	CL1259754	<0.005	<1	8.68	14	364	<2	<1	2.18	<4	7	57	26	1.57	0.79	13	0.35	291	2	23	328	23	<5	<5	<10	293	1694	<2	27	<10	10	63
100502	CL1259755	<0.005	<1	8.86	13	356	<2	<1	2.33	<4	9	51	14	2.03	0.42	18	0.42	355	2	26	413	13	<5	<5	<10	334	1773	<2	29	<10	10	54

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100503	CL1259756	<0.005	<1	8.80	14	409	<2	<1	2.33	<4	8	67	15	1.81	0.80	17	0.38	305	3	28	410	18	<5	<5	<10	309	1685	<2	29	<10	10	48
100504	CL1259757	<0.005	<1	8.99	17	435	<2	<1	2.38	<4	8	53	20	1.86	0.82	16	0.38	317	2	25	420	18	<5	<5	<10	318	1759	<2	29	<10	10	39
100505	CL1259758	<0.005	<1	8.85	16	406	<2	<1	2.51	<4	8	55	17	1.85	0.63	18	0.40	307	3	28	570	20	<5	<5	<10	329	1715	<2	29	<10	14	44
100506	CL1259759	<0.005	<1	8.82	11	364	<2	<1	2.43	<4	9	58	13	1.89	0.48	14	0.38	328	4	33	410	22	<5	5	<10	316	1705	<2	28	<10	10	48
100507	CL1259760	<0.005	<1	7.87	15	308	<2	<1	2.00	<4	7	50	11	1.93	0.73	8	0.43	355	<1	26	385	20	<5	<5	<10	305	1697	<2	28	<10	11	87
100508D	CL1259760	0.009	<1	8.84	12	419	<2	<1	2.39	<4	8	58	12	2.02	1.02	15	0.42	367	2	27	420	25	<5	<5	<10	326	1791	<2	30	<10	10	89
100509	CL1259761	<0.005	<1	8.48	15	342	<2	10	2.28	<4	9	48	13	2.20	0.46	12	0.49	417	<1	24	408	20	<5	<5	<10	326	1916	<2	32	<10	10	62
100510	CL1259762	0.076	<1	6.93	9	308	<2	2	1.75	<4	8	47	15	1.91	0.58	7	0.45	366	<1	26	381	19	<5	<5	<10	294	1669	<2	28	<10	10	48
100511	CL1259763	<0.005	<1	8.25	17	179	<2	<1	2.02	<4	9	48	16	1.90	0.82	6	0.44	326	2	24	393	14	<5	<5	<10	292	1681	<2	29	<10	10	35
100512	CL1259764	0.010	<1	9.05	12	366	<2	6	2.24	<4	9	50	23	2.03	0.26	15	0.59	331	2	28	409	16	<5	<5	<10	288	1838	<2	32	<10	12	37
100513	CL1259765	<0.005	<1	8.72	13	336	<2	3	2.05	<4	7	49	23	1.81	0.31	14	0.49	293	1	20	413	14	<5	<5	<10	278	1683	<2	29	<10	11	31
100514	CL1259766	1.803	<1	9.40	711	480	2	9	5.80	9	47	171	100	8.64	0.33	15	2.47	1521	<1	116	1802	27	<5	<5	<10	483	7850	3	143	<10	18	90
100515	CL1259767	0.011	<1	9.87	12	404	<2	2	2.36	<4	7	63	33	1.97	0.49	19	0.51	303	5	28	431	12	<5	<5	<10	293	1590	<2	30	<10	11	37
100516	CL1259768	0.032	<1	9.87	11	384	<2	7	2.27	<4	7	47	40	1.95	0.41	19	0.53	289	1	22	419	11	<5	<5	<10	298	1589	<2	29	<10	11	37
100517	CL1259769	<0.005	<1	9.20	8	308	<2	<1	1.93	<4	8	51	15	1.97	0.50	16	0.58	302	1	26	394	12	<5	<5	<10	287	1598	<2	28	<10	11	97
100518	CL1259770	0.025	<1	8.55	6	145	<2	3	1.21	<4	7	56	22	1.83	1.16	5	0.41	303	<1	38	350	11	<5	<5	<10	248	1581	<2	27	<10	7	36
100519D	CL1259770	0.033	<1	9.18	14	338	<2	<1	2.19	<4	8	49	24	1.89	0.91	15	0.47	309	2	40	399	12	6	<5	<10	296	1661	<2	28	<10	10	36
100520	CL1259771	<0.005	<1	8.26	12	271	<2	6	2.14	<4	8	50	20	1.99	0.33	13	0.48	309	1	45	391	13	<5	<5	<10	285	1680	<2	31	<10	10	33
100521	CL1259772	<0.005	<1	8.31	15	360	2	2	2.09	<4	9	57	25	2.42	0.52	18	0.65	333	2	47	418	12	<5	<5	<10	271	1795	<2	38	<10	13	33
100522	CL1259773	0.020	<1	8.07	13	296	2	<1	1.89	<4	14	55	41	2.82	0.56	16	0.75	376	1	48	424	8	<5	<5	<10	279	2029	<2	43	<10	15	42

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By:   
 Dr. David Brown, VP Quality

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Thursday, November 28, 2013


### Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/01/2013  
 Date Completed: 11/20/2013  
 Job #: 201310904  
 Reference: CL sample series  
 Sample #: 300

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100523	CL1259774	<0.005	<1	7.78	11	195	<2	<1	1.62	<4	10	52	22	2.16	0.60	10	0.57	289	2	43	402	11	<5	<5	<10	247	1523	<2	32	<10	11	32
100524	CL1259775	<0.005	<1	>10.00	11	372	<2	<1	2.13	<4	7	53	16	2.11	0.52	18	0.61	289	3	44	423	13	<5	<5	<10	283	1629	<2	30	<10	11	30
100525	CL1259776	<0.005	<1	9.88	8	366	<2	<1	2.34	<4	7	41	20	2.10	0.42	19	0.51	293	2	51	419	11	<5	<5	<10	313	1699	<2	31	<10	12	29
100526	CL1259777	<0.005	<1	8.20	9	344	<2	<1	2.38	<4	11	50	16	2.53	1.07	24	0.64	408	4	59	451	18	<5	<5	<10	308	2117	<2	39	<10	12	44
100527	CL1259778	<0.005	<1	9.46	12	389	<2	<1	2.23	<4	9	40	23	2.26	0.32	19	0.57	306	1	48	422	18	<5	<5	<10	318	1496	<2	33	<10	13	31
100528	CL1259779	<0.005	<1	8.03	9	171	2	1	1.89	<4	10	54	15	2.66	0.39	12	0.71	400	1	63	407	8	<5	<5	<10	298	1812	<2	40	<10	19	41
100529	CL1259780	<0.005	<1	8.93	10	312	3	21	5.65	10	52	31	155	9.61	0.41	15	2.02	1309	<1	62	743	18	<5	<5	<10	267	6775	<2	306	<10	32	91
100530D	CL1259780															IS																
100531	CL1259781	<0.005	<1	7.34	11	202	<2	5	1.58	<4	7	25	15	1.85	0.46	6	0.45	219	<1	32	381	11	<5	<5	<10	238	1187	<2	29	<10	13	26
100532	CL1259782	<0.005	<1	8.44	18	341	<2	<1	1.93	<4	8	34	41	1.61	0.36	11	0.38	188	<1	38	400	12	<5	<5	<10	235	1295	<2	28	<10	10	15
100533	CL1259783	<0.005	<1	8.80	13	298	2	<1	1.98	<4	7	37	15	1.93	0.48	14	0.44	245	2	44	395	11	<5	<5	<10	277	1362	<2	30	<10	10	26
100534	CL1259784	<0.005	<1	6.42	8	100	<2	6	1.46	<4	7	34	10	1.99	0.25	6	0.46	289	<1	46	370	8	<5	<5	<10	281	1385	<2	29	<10	12	33
100535	CL1259785	<0.005	<1	8.70	9	336	<2	<1	1.87	<4	7	40	29	1.85	0.30	12	0.43	230	2	39	398	16	<5	<5	<10	269	1390	<2	28	<10	10	26
100536	CL1259786	<0.005	<1	>10.00	12	372	<2	<1	2.34	<4	8	45	47	2.06	0.34	17	0.52	253	4	56	427	16	<5	<5	<10	280	1433	<2	30	<10	13	17
100537	CL1259787	0.008	<1	9.93	5	357	<2	5	2.36	<4	8	54	21	2.25	0.25	17	0.54	271	6	72	424	11	<5	<5	<10	303	1608	<2	32	<10	14	21
100538	CL1259788	<0.005	<1	9.80	11	329	<2	<1	2.34	<4	9	55	60	2.33	0.29	18	0.55	287	5	68	451	10	<5	<5	<10	296	1627	<2	35	<10	14	23
100539	CL1259789	<0.005	<1	9.81	13	312	<2	<1	2.17	<4	7	55	18	2.10	0.51	14	0.47	236	5	70	404	12	<5	<5	<10	282	1257	<2	29	<10	12	25
100540	CL1259790	<0.005	<1	9.96	9	380	<2	13	2.36	<4	6	70	17	2.09	0.39	14	0.40	189	8	97	405	12	<5	<5	<10	267	1158	<2	31	<10	13	19
100541D	CL1259790	<0.005	<1	>10.00	12	404	<2	<1	2.41	<4	7	71	18	2.04	0.77	15	0.40	187	13	94	403	14	<5	<5	<10	268	1179	<2	31	<10	13	20
100542	CL1259791	<0.005	<1	9.62	15	365	<2	<1	2.26	<4	6	45	14	1.63	0.60	12	0.37	152	11	55	381	17	<5	<5	<10	230	1113	<2	29	<10	11	11

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By:   
 Dr. David Brown, VP Quality

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Thursday, November 28, 2013


## Final Certificate

 Iamgold  
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 Gogama, ON, CAN  
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 Ph#: (416) 363-8567  
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 Date Received: 11/01/2013  
 Date Completed: 11/20/2013  
 Job #: 201310904  
 Reference: CL sample series  
 Sample #: 300

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100543	CL1259792	<0.005	<1	9.11	11	401	<2	2	2.28	<4	6	46	17	1.51	0.72	11	0.32	142	5	56	390	8	5	<5	<10	234	1201	<2	27	<10	10	14
100544	CL1259793	1.178	2	7.06	275	736	<2	14	1.99	5	17	189	134	4.19	0.60	17	0.84	281	<1	38	694	206	43	<5	<10	477	3214	<2	81	<10	6	77
100545	CL1259794	0.006	<1	9.81	15	729	2	2	5.06	<4	9	32	15	2.77	0.56	21	0.69	361	5	47	892	13	<5	7	<10	217	1355	<2	53	<10	11	15
100546	CL1259795	<0.005	<1	9.69	12	601	<2	2	2.62	<4	7	20	13	1.88	0.83	7	0.47	175	<1	20	571	9	<5	<5	<10	190	1650	<2	62	<10	10	13
100547	CL1259796	<0.005	<1	8.68	6	398	<2	7	2.65	<4	8	47	24	1.46	0.52	7	0.34	156	4	64	424	8	<5	<5	<10	216	1326	<2	29	<10	10	5
100548	CL1259797	0.006	<1	>10.00	12	583	2	3	4.95	5	26	90	84	5.50	0.39	33	1.19	603	8	110	1346	17	<5	<5	<10	376	3130	<2	98	<10	23	50
100549	CL1259798	<0.005	<1	8.77	18	311	<2	1	2.11	<4	8	43	45	1.81	0.66	15	0.40	174	3	54	426	3	<5	<5	<10	220	1365	<2	29	<10	13	20
100550	CL1259799	<0.005	<1	9.46	15	328	<2	<1	2.73	<4	6	46	36	1.94	0.44	17	0.40	176	3	59	401	8	<5	<5	<10	250	1244	<2	31	<10	13	18
100551	CL1259800	<0.005	<1	>10.00	15	347	<2	<1	2.72	<4	6	34	40	1.56	0.32	16	0.33	143	2	41	398	11	<5	<5	<10	259	1227	<2	31	<10	13	7
100552R	CL1259800	<0.005	<1	8.88	10	236	<2	5	2.26	<4	7	32	41	1.56	0.44	11	0.33	142	<1	43	378	7	<5	<5	<10	239	1169	<2	30	<10	13	11

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Thursday, November 28, 2013


### Final Certificate

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 Date Received: 11/14/2013  
 Date Completed: 11/22/2013  
 Job #: 201310905  
 Reference: CL sample series  
 Sample #: 20

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100553	CL1413981	<0.005	<1	2.28	16	144	3	4	0.96	13	34	532	7	7.15	0.37	129	4.84	658	4	143	1375	24	11	7	<10	146	3693	<2	155	<10	11	113
100554	CL1413982	0.014	<1	4.80	12	190	3	3	0.99	8	32	92	10	4.42	0.22	96	3.36	338	14	124	545	22	12	32	15	283	4646	<2	123	<10	17	54
100555	CL1413983	0.011	<1	4.99	13	152	5	4	1.21	17	50	437	7	9.58	0.48	174	5.96	880	3	118	2046	40	11	9	11	157	5018	<2	197	<10	20	147
100556	CL1413984	<0.005	<1	4.33	20	171	4	5	0.92	20	49	253	5	11.50	0.36	190	5.84	1025	5	125	956	45	12	<5	12	146	4360	2	194	<10	19	157
100557	CL1413985	0.009	<1	4.29	24	207	4	4	1.15	19	49	166	6	10.77	0.07	168	5.20	971	5	120	732	32	10	14	11	170	5311	5	179	<10	20	142
100558	CL1413986	0.014	<1	5.03	13	207	3	<1	1.05	11	29	73	7	6.12	0.21	91	3.42	563	6	76	505	23	11	25	<10	205	4877	9	120	<10	24	91
100559	CL1413987	0.064	<1	5.99	18	353	<2	2	0.83	6	14	154	9	3.44	0.43	52	2.07	312	9	69	493	18	11	38	10	197	1882	<2	50	<10	16	53
100560	CL1413988	0.006	1	5.52	17	151	<2	2	0.44	<4	8	52	17	1.14	0.18	24	0.54	103	11	79	322	26	<5	32	10	180	1477	<2	20	<10	26	20
100561	CL1413989	0.020	1	4.36	10	176	4	2	0.20	<4	7	28	11	1.09	0.33	25	0.55	106	6	29	289	60	<5	36	<10	178	1552	<2	20	<10	45	20
100562	CL1413990	0.513	<1	4.59	242	522	4	1	6.44	16	66	249	76	9.26	<0.01	42	3.16	1472	6	162	1826	23	12	18	11	527	10791	<2	176	<10	17	117
100563D	CL1413990																IS															
100564	CL1413991	<0.005	<1	5.06	17	202	2	2	0.26	7	21	22	7	4.20	0.25	59	2.80	358	5	34	348	25	<5	34	12	149	1992	<2	53	<10	22	45
100565	CL1413992	0.011	2	4.46	17	179	<2	3	0.37	<4	6	47	10	0.77	0.22	17	0.30	<100	11	46	260	29	10	47	<10	183	1545	<2	14	<10	28	14
100566	CL1413993	<0.005	1	6.74	16	215	2	3	0.58	<4	6	46	11	1.10	0.34	26	0.53	<100	9	45	293	32	<5	39	<10	191	1545	<2	17	<10	41	18
100567	CL1413994	0.029	2	6.59	16	201	2	4	0.63	<4	4	45	33	0.53	0.22	20	0.13	<100	8	42	262	26	5	49	<10	207	1480	<2	11	<10	39	15
100568	CL1413995	0.008	1	6.18	17	342	<2	<1	0.60	<4	6	66	11	1.44	0.44	25	0.63	117	15	66	249	24	6	44	<10	216	1288	<2	18	<10	21	20
100569	CL1413996	0.019	1	4.97	19	547	4	<1	0.59	<4	11	91	9	1.88	0.67	39	1.25	129	13	36	328	21	10	41	<10	189	1387	<2	28	10	33	27
100570	CL1413997	<0.005	<1	2.58	18	188	5	2	1.07	13	35	605	7	7.79	0.55	182	6.05	533	5	121	1204	23	7	10	10	144	3494	<2	165	<10	22	106
100571	CL1413998	0.011	<1	6.03	16	473	2	4	0.56	<4	7	54	8	1.40	0.24	31	0.72	<100	7	30	272	17	8	44	<10	226	1189	<2	20	<10	20	21
100572	CL1413999	0.012	<1	2.36	12	472	<2	3	0.04	<4	7	52	9	1.43	0.25	17	0.53	<100	11	46	223	12	9	35	<10	186	1103	<2	15	<10	14	19

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By:   
 Dr. David Brown, VP Quality

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Thursday, November 28, 2013

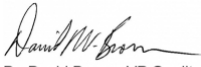
## Final Certificate

 Iamgold  
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 Date Received: 11/14/2013  
 Date Completed: 11/22/2013  
 Job #: 201310905  
 Reference: CL sample series  
 Sample #: 20

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100573	CL1414000	0.019	2	1.81	10	144	<2	3	<0.01	<4	6	31	137	0.54	0.46	14	0.12	<100	5	27	224	20	<5	23	<10	170	1447	<2	13	<10	14	102
100574D	CL1414000	0.009	2	1.93	14	130	<2	2	0.05	<4	7	30	146	0.59	<0.01	11	0.12	<100	5	32	224	19	5	27	<10	175	1531	<2	14	<10	14	108

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Tuesday, December 3, 2013


### Final Certificate

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 Date Received: 11/14/2013  
 Date Completed: 11/22/2013  
 Job #: 201310906  
 Reference: CL sample series  
 Sample #: 20

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100575	CL1174001	1.539	<1	3.28	27	597	3	2	2.59	13	26	50	10882	7.41	0.20	31	1.49	575	558	21	1108	36	<5	16	16	528	3198	<2	155	<10	11	91
100576	CL1174002	0.478	<1	2.91	11	445	2	2	0.49	<4	9	40	303	1.94	<0.01	18	0.53	139	10	32	318	15	<5	24	<10	150	1283	<2	13	<10	14	19
100577	CL1174003	0.215	<1	6.49	20	373	<2	2	1.28	<4	10	64	808	2.02	<0.01	30	0.46	144	13	61	338	16	<5	49	<10	182	1293	<2	14	<10	23	20
100578	CL1174004	0.159	<1	6.66	13	419	<2	2	1.49	<4	10	55	863	1.92	0.71	32	0.43	140	11	50	347	20	10	44	<10	213	1410	<2	13	<10	27	19
100579	CL1174005	0.048	<1	7.35	16	469	<2	3	1.57	4	10	72	231	2.19	0.60	33	0.51	162	16	68	368	18	11	49	<10	224	1547	<2	14	<10	33	23
100580	CL1174006	0.034	1	7.72	20	496	<2	5	1.62	<4	7	47	149	1.92	0.27	37	0.57	146	8	41	354	19	9	50	<10	218	1354	<2	13	<10	21	20
100581	CL1174007	0.038	<1	6.90	18	455	<2	2	1.28	<4	7	44	69	2.05	0.48	31	0.53	147	9	44	345	20	5	40	<10	213	1461	<2	13	<10	25	21
100582	CL1174008	0.083	<1	5.68	11	381	<2	2	0.88	<4	5	46	49	1.80	0.20	31	0.51	116	10	49	318	20	12	37	10	182	1184	<2	12	<10	21	20
100583	CL1174009	2.604	<1	3.58	13	645	2	2	0.75	6	12	54	1523	3.58	0.04	33	1.13	211	33	63	373	20	<5	36	17	154	1296	<2	14	<10	29	31
100584	CL1174010	0.032	<1	4.70	15	590	2	3	1.24	4	10	70	140	2.69	0.07	31	0.79	184	15	83	344	18	6	41	13	185	1337	<2	14	<10	25	25
100585D	CL1174010	0.031	<1	3.95	11	505	2	3	0.97	4	9	65	127	2.49	0.30	32	0.74	174	14	75	317	23	5	39	<10	170	1242	<2	13	<10	24	23
100586	CL1174011	0.100	1	<0.01	11	481	<2	2	0.03	<4	10	57	75	2.02	0.44	16	0.52	140	10	71	286	24	<5	21	<10	157	1136	<2	12	<10	11	20
100587	CL1174012	0.038	<1	4.07	15	512	2	4	0.62	<4	9	54	55	2.19	0.14	20	0.60	144	9	63	327	17	<5	25	<10	182	1292	<2	14	<10	13	19
100588	CL1174013	<0.005	<1	4.67	13	624	4	2	3.99	11	31	65	32	6.07	0.18	28	1.50	960	10	91	1837	21	9	18	<10	632	6690	<2	140	<10	33	94
100589	CL1174014	1.889	<1	7.83	18	698	2	4	1.69	6	17	66	637	3.68	0.23	40	0.94	211	12	74	409	16	8	34	18	195	1779	<2	26	<10	25	25
100590	CL1174015	0.450	<1	7.28	20	512	2	3	1.57	6	15	53	502	3.72	1.01	40	0.92	222	12	50	470	22	13	36	11	200	1682	<2	26	<10	39	28
100591	CL1174016	0.007	<1	7.97	15	715	2	2	1.76	<4	9	46	46	2.04	0.32	31	0.41	156	7	40	363	19	7	46	10	211	1568	<2	14	<10	42	22
100592	CL1174017	0.006	<1	7.34	14	698	2	5	1.55	<4	7	47	34	2.10	0.48	33	0.52	158	8	40	346	23	8	48	10	211	1373	<2	13	<10	29	23
100593	CL1174018	0.025	<1	6.86	16	505	<2	2	1.66	<4	9	71	115	2.19	0.52	27	0.57	160	15	93	339	17	8	43	<10	199	1457	<2	15	<10	67	20
100594	CL1174019	0.599	<1	6.37	14	499	2	<1	0.78	4	9	51	86	2.41	0.55	27	0.76	143	13	53	330	16	10	41	14	188	1132	<2	13	<10	26	22

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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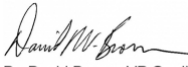
## Final Certificate

iamgold  
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 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

Date Received: 11/14/2013  
 Date Completed: 11/22/2013  
 Job #: 201310906  
 Reference: CL sample series  
 Sample #: 20

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100595	CL1174020	0.035	<1	5.14	9	438	<2	3	0.63	4	8	58	21	2.64	0.35	26	0.82	161	8	64	332	14	<5	38	<10	176	1355	<2	14	<10	35	25
100596D	CL1174020	0.035	<1	4.90	18	445	2	2	0.60	4	7	58	22	2.71	0.10	28	0.83	165	9	66	320	18	10	29	<10	179	1431	<2	15	<10	35	24

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Thursday, November 28, 2013


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Email: Alan\_Smith@iamgold.com

Date Received: 11/14/2013  
Date Completed: 11/22/2013  
Job #: 201310907  
Reference: CL sample series  
Sample #: 29

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100597	CL959794	0.019	2	1.71	16	580	2	4	1.47	5	6	36	176	1.85	<0.01	<1	0.12	179	12	32	221	24	<5	<5	<10	267	1883	<2	14	<10	18	233
100598	CL959795	0.006	2	<0.01	15	517	2	<1	1.11	<4	5	37	53	1.70	<0.01	<1	0.08	170	12	33	160	28	<5	<5	<10	251	1735	<2	14	<10	11	38
100599	CL959796	0.011	3	<0.01	11	544	2	3	1.26	<4	6	44	107	1.55	<0.01	<1	0.10	146	13	33	181	25	8	<5	<10	230	1810	<2	14	<10	12	17
100600	CL959797	0.014	3	<0.01	10	552	2	<1	1.12	<4	6	48	72	1.65	<0.01	<1	0.08	146	14	42	125	29	<5	7	<10	216	1765	<2	15	<10	10	10
100601	CL959798	0.028	5	<0.01	10	440	<2	6	0.85	<4	5	40	143	1.42	0.13	27	0.07	149	11	45	108	29	<5	11	<10	193	1624	<2	13	<10	8	27
100602	CL959799	0.052	3	<0.01	9	494	2	<1	1.17	<4	7	37	240	1.41	<0.01	<1	0.05	136	13	33	113	25	<5	<5	<10	224	1674	<2	13	<10	9	8
100603	CL959800	0.017	3	<0.01	10	475	2	<1	1.34	<4	6	43	140	1.50	<0.01	<1	0.07	141	13	42	149	27	<5	<5	<10	221	1635	<2	13	<10	12	<1
100604	CL959801	0.025	3	<0.01	7	482	2	<1	0.91	<4	6	32	59	1.40	<0.01	<1	0.07	130	23	24	146	26	<5	12	<10	214	1659	<2	13	<10	9	13
100605	CL959802	0.133	3	<0.01	10	501	2	<1	0.99	<4	8	34	227	1.55	<0.01	<1	0.09	149	10	29	186	20	5	6	<10	203	1703	<2	13	<10	10	4
100606	CL959803	0.019	<1	6.78	8	560	2	<1	1.83	<4	6	40	137	1.73	<0.01	<1	0.19	154	12	29	266	23	<5	<5	<10	253	1787	<2	13	<10	30	3
100607D	CL959803	0.034	1	2.40	4	532	2	<1	1.30	<4	6	39	134	1.66	<0.01	<1	0.13	154	10	31	239	22	<5	8	<10	234	1733	<2	13	<10	19	7
100608	CL959804	0.024	<1	0.91	12	502	2	<1	1.04	<4	7	34	120	1.62	<0.01	<1	0.11	152	9	50	231	18	<5	7	<10	232	1746	<2	13	<10	17	2
100609	CL959805	1.062	<1	<0.01	663	487	<2	24	6.18	19	54	203	109	10.39	0.06	<1	2.42	2555	9	121	2027	33	<5	<5	10	564	8752	<2	153	<10	10	106
100610	CL959806	0.106	2	<0.01	8	509	2	<1	1.19	<4	6	33	145	1.61	<0.01	<1	0.08	146	9	22	113	21	<5	<5	<10	241	1714	<2	14	<10	9	11
100611	CL959807	0.026	3	<0.01	10	564	2	<1	1.38	<4	6	36	61	1.51	<0.01	<1	0.06	148	10	24	<100	25	<5	<5	<10	259	1726	<2	14	<10	9	14
100612	CL959808	0.087	3	<0.01	8	556	2	1	1.31	<4	6	29	214	1.45	<0.01	<1	0.07	146	11	22	<100	32	<5	<5	<10	272	1689	<2	14	<10	9	5
100613	CL959809	0.027	3	<0.01	7	494	2	<1	1.17	<4	6	35	69	1.41	0.05	<1	0.07	138	26	21	<100	29	<5	<5	<10	309	1683	<2	14	<10	10	6
100614	CL959810	0.101	2	<0.01	9	596	2	<1	1.35	<4	6	52	64	1.60	0.05	<1	0.09	179	14	53	126	27	<5	<5	<10	326	1763	<2	17	<10	9	12
100615	CL959811	0.143	<1	<0.01	16	524	2	9	6.01	13	40	55	110	7.16	0.16	18	1.64	1097	7	43	2817	26	<5	7	<10	348	4862	<2	139	<10	14	103
100616	CL959812	0.082	2	<0.01	7	540	2	4	1.20	<4	7	53	178	1.70	0.12	<1	0.13	192	16	66	229	21	<5	7	<10	270	1675	<2	18	<10	11	4

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Thursday, November 28, 2013

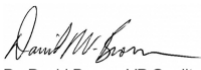
## Final Certificate

 Iamgold  
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 Date Received: 11/14/2013  
 Date Completed: 11/22/2013  
 Job #: 201310907  
 Reference: CL sample series  
 Sample #: 29

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100617	CL959813	0.031	2	<0.01	11	696	2	<1	0.70	4	11	42	54	2.11	0.08	<1	0.10	168	15	39	166	24	<5	<5	<10	251	1602	<2	16	<10	10	6
100618D	CL959813	0.038	<1	1.39	11	655	2	5	0.79	<4	11	42	54	2.14	<0.01	<1	0.16	167	12	42	225	17	<5	5	<10	257	1633	<2	15	<10	17	1
100619	CL959814	0.087	1	0.21	7	538	2	<1	0.86	<4	6	44	101	1.68	<0.01	<1	0.11	153	12	48	216	23	<5	<5	<10	260	1641	<2	13	<10	14	<1
100620	CL959815	0.100	1	0.77	13	600	2	<1	1.07	<4	8	53	185	1.91	<0.01	<1	0.12	175	14	45	245	29	<5	<5	<10	266	1774	<2	15	<10	14	4
100621	CL959816	0.046	2	<0.01	6	562	2	<1	1.18	<4	5	72	140	2.03	0.11	<1	0.07	197	21	81	<100	23	<5	<5	<10	244	1659	<2	15	<10	8	12
100622	CL959817	0.026	<1	<0.01	8	652	3	6	4.80	12	29	73	38	6.38	<0.01	<1	0.70	967	19	99	1149	37	<5	<5	<10	762	6468	<2	132	<10	17	76
100623	CL959818	0.042	2	<0.01	5	557	2	<1	1.23	<4	4	79	135	1.84	<0.01	<1	0.06	169	20	95	<100	21	<5	8	<10	246	1540	<2	16	<10	10	5
100624	CL959819	0.071	2	<0.01	10	645	2	4	1.52	4	7	59	196	2.14	<0.01	<1	0.07	177	16	66	<100	23	<5	<5	<10	255	1615	<2	15	<10	10	11
100625	CL959820	0.672	<1	<0.01	2	<1	2	4	<0.01	<4	4	48	49	1.91	<0.01	<1	0.27	192	5	46	<100	10	<5	<5	<10	171	1624	<2	12	<10	12	2
100626	CL959821	0.439	<1	<0.01	6	44	2	<1	<0.01	<4	6	42	131	2.01	<0.01	<1	0.25	179	4	49	<100	11	<5	<5	<10	157	1606	<2	13	<10	11	6
100627	CL959822	0.019	<1	<0.01	2	18	2	<1	<0.01	4	6	43	82	2.10	<0.01	<1	0.29	180	19	48	104	11	<5	7	<10	193	1673	<2	12	<10	13	10

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Tuesday, December 3, 2013


## Final Certificate

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 Date Received: 11/14/2013  
 Date Completed: 11/22/2013  
 Job #: 201310908  
 Reference: CL sample series  
 Sample #: 54

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100628	CL29797	0.027	1	3.79	15	615	2	4	1.31	<4	8	28	73	1.73	0.22	20	0.18	152	5	24	237	17	5	34	<10	208	1640	<2	13	<10	30	27
100629	CL29798	0.037	1	3.70	18	624	<2	4	1.28	<4	7	31	50	1.61	0.11	18	0.16	152	25	28	232	19	<5	37	11	199	1629	<2	13	<10	29	21
100630	CL29799	0.083	1	3.64	14	608	2	1	1.15	<4	7	25	119	1.62	<0.01	17	0.17	146	52	20	229	19	9	33	<10	202	1615	<2	12	<10	29	20
100631	CL29800	0.083	<1	3.78	14	643	2	3	1.19	<4	9	28	76	1.60	<0.01	19	0.18	150	331	24	243	17	7	44	<10	195	1643	<2	11	<10	28	19
100632	CL29801	0.049	<1	1.91	10	389	<2	<1	0.66	<4	5	17	71	1.30	0.14	5	0.17	125	4	18	192	15	<5	29	<10	175	1423	<2	11	<10	30	22
100633	CL29802	0.015	<1	1.94	10	364	<2	3	0.67	<4	6	18	38	1.29	<0.01	1	0.16	109	3	19	194	16	8	32	<10	191	1294	<2	10	<10	30	19
100634	CL29803	0.243	<1	<0.01	12	156	<2	<1	0.06	<4	11	36	1090	2.04	<0.01	<1	0.63	262	38	20	535	14	5	13	<10	194	2081	<2	57	<10	11	40
100635	CL29804	0.103	<1	2.58	13	405	<2	3	0.76	<4	6	18	94	1.27	<0.01	5	0.17	112	10	18	199	14	9	34	<10	170	1339	<2	10	<10	30	17
100636	CL29805	0.363	1	2.64	17	451	<2	2	0.93	<4	7	17	182	1.53	0.20	15	0.18	122	5	17	211	20	<5	29	<10	165	1366	<2	11	<10	34	20
100637	CL29806	0.042	<1	3.26	7	390	<2	1	0.72	<4	5	14	70	1.41	<0.01	2	0.17	126	2	14	206	14	7	32	<10	171	1414	<2	11	<10	29	19
100638D	CL29806	0.027	1	3.68	15	551	<2	2	1.22	<4	5	20	83	1.64	0.10	14	0.19	145	5	17	238	18	9	33	<10	200	1668	<2	13	<10	32	22
100639	CL29807	0.060	<1	0.23	12	390	<2	2	0.42	<4	7	20	157	1.46	0.12	3	0.16	120	4	23	200	14	5	23	<10	145	1381	<2	11	<10	23	25
100640	CL29808	0.269	<1	<0.01	11	311	<2	3	0.28	<4	5	22	105	1.38	<0.01	1	0.14	134	3	24	185	12	<5	24	<10	143	1261	<2	10	<10	24	24
100641	CL29809	0.067	<1	0.10	6	384	<2	<1	0.52	<4	6	19	121	1.34	<0.01	4	0.14	135	8	19	194	17	6	15	<10	147	1333	<2	10	<10	20	25
100642	CL29810	0.033	<1	<0.01	14	300	<2	2	0.36	<4	6	17	70	1.28	<0.01	5	0.13	147	26	17	183	11	<5	28	<10	147	1292	<2	10	<10	21	19
100643	CL29811	1.674	<1	<0.01	10	185	<2	4	<0.01	<4	6	14	61	1.54	<0.01	<1	0.12	123	1	19	151	18	6	13	<10	116	1174	<2	9	<10	22	14
100644	CL29812	0.019	<1	3.59	14	461	<2	2	1.20	<4	6	22	73	1.50	0.51	8	0.17	155	6	22	220	17	6	43	<10	173	1500	<2	12	<10	30	20
100645	CL29813	0.018	<1	2.65	12	377	<2	3	0.95	<4	6	17	84	1.41	0.17	8	0.21	124	4	25	212	16	5	29	<10	162	1293	<2	10	<10	38	17
100646	CL29814	0.012	<1	3.14	11	463	<2	1	1.03	<4	6	20	41	1.55	0.13	10	0.20	125	4	28	219	18	8	28	<10	198	1560	<2	13	<10	32	23
100647	CL29815	<0.005	<1	3.07	17	615	3	<1	3.56	8	27	52	26	4.92	0.06	24	1.22	802	8	82	1511	23	<5	24	<10	561	5567	<2	114	<10	27	84

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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## Final Certificate

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Date Received: 11/14/2013  
Date Completed: 11/22/2013  
Job #: 201310908  
Reference: CL sample series  
Sample #: 54

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100648	CL29816	<0.005	<1	1.40	10	385	2	3	0.60	<4	6	22	19	1.46	<0.01	3	0.18	128	4	36	200	13	7	29	<10	164	1404	<2	13	<10	26	22
100649D	CL29816	0.008	<1	1.63	15	414	<2	2	0.78	<4	7	24	20	1.52	0.09	13	0.20	132	6	38	212	16	<5	33	<10	172	1483	<2	13	<10	30	22
100650	CL29817	0.014	<1	2.25	10	363	<2	1	0.91	<4	6	18	72	1.49	<0.01	5	0.24	128	2	30	203	11	9	22	<10	146	1300	<2	12	<10	31	33
100651	CL29818	0.013	<1	2.87	14	456	<2	1	0.89	<4	8	23	89	1.63	0.03	8	0.23	134	4	36	215	15	8	31	<10	160	1453	<2	13	<10	32	28
100652	CL29819	0.011	<1	3.88	10	<1	2	<1	<0.01	<4	6	10	44	1.65	1.09	1	0.61	151	13	30	169	<1	5	43	<10	158	1579	<2	13	27	41	24
100653	CL29820	0.021	<1	<0.01	11	333	<2	2	0.40	<4	6	18	27	1.37	<0.01	3	0.13	119	3	33	183	17	<5	25	<10	158	1289	<2	11	<10	26	27
100654	CL29821	0.012	<1	2.64	12	484	2	1	0.99	<4	5	22	32	1.51	<0.01	5	0.18	133	4	35	212	13	<5	23	<10	167	1453	<2	12	<10	31	21
100655	CL29822	2.027	1	0.42	14	462	<2	5	0.67	<4	5	17	187	1.41	<0.01	9	0.18	125	11	27	195	22	<5	35	<10	151	1165	<2	11	<10	25	20
100656	CL29823	0.007	<1	0.69	15	457	<2	3	0.72	<4	6	17	40	1.31	0.06	6	0.19	132	16	25	207	20	5	27	<10	162	1259	<2	11	<10	27	20
100657	CL29824	0.023	<1	0.86	12	409	<2	2	0.49	<4	5	17	22	1.25	<0.01	6	0.22	117	2	31	198	14	<5	29	<10	145	1046	<2	11	<10	20	20
100658	CL29825	0.007	<1	1.64	14	552	<2	2	1.02	<4	6	22	37	1.26	<0.01	15	0.19	144	4	34	212	15	5	36	<10	177	1192	<2	12	<10	27	31
100659	CL29826	0.051	<1	1.82	15	490	2	4	0.93	<4	5	27	94	1.32	0.15	9	0.19	156	7	45	211	20	5	24	<10	174	1252	<2	12	<10	30	18
100660D	CL29826	0.079	2	<0.01	14	533	<2	<1	0.60	<4	6	30	100	1.33	0.33	11	0.15	165	7	50	206	27	<5	17	14	167	1266	<2	13	<10	18	18
100661	CL29827	1.558	<1	0.69	12	414	2	2	1.75	10	22	40	11407	6.03	<0.01	15	1.27	480	459	17	926	34	5	26	14	428	2699	<2	129	<10	10	81
100662	CL29828	0.010	1	2.69	13	608	<2	2	2.84	<4	5	23	107	1.44	<0.01	17	0.20	404	10	44	221	26	5	37	<10	207	1628	<2	14	<10	34	25
100663	CL29829	0.303	2	4.78	13	599	<2	<1	1.71	<4	6	22	108	1.28	0.16	24	0.19	191	5	22	253	21	<5	31	<10	216	1595	<2	13	<10	29	26
100664	CL29830	0.020	<1	2.91	12	463	<2	3	0.89	<4	4	14	24	1.12	<0.01	10	0.18	203	2	22	213	18	5	20	<10	196	1613	<2	11	<10	32	24
100665	CL29831	0.029	1	2.46	13	576	<2	1	1.35	<4	5	26	18	1.20	0.25	17	0.16	186	4	33	227	18	7	49	<10	204	1522	<2	13	<10	35	21
100666	CL29832	0.006	<1	0.91	10	497	<2	3	0.59	<4	6	16	22	1.08	0.07	5	0.15	153	3	23	200	14	7	24	<10	175	1405	<2	11	<10	35	19
100667	CL29833	0.011	2	<0.01	10	633	<2	<1	0.74	<4	8	26	94	1.52	0.38	23	0.13	154	59	33	203	26	5	34	<10	201	1551	<2	12	<10	23	28

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Tuesday, December 3, 2013


### Final Certificate

 Iamgold  
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 Gogama, ON, CAN  
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 Fax#: (416) 216-8535  
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 Date Received: 11/14/2013  
 Date Completed: 11/22/2013  
 Job #: 201310908  
 Reference: CL sample series  
 Sample #: 54

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100668	CL29834	0.021	<1	0.51	15	561	<2	4	0.84	<4	7	19	141	1.83	0.77	16	0.16	171	74	27	211	18	<5	34	<10	175	1539	<2	11	<10	32	26
100669	CL29835	0.026	1	1.45	13	606	<2	1	0.91	<4	7	25	49	1.53	0.46	17	0.17	162	7	33	222	18	7	29	<10	202	1623	<2	13	<10	32	27
100670	CL29836	0.049	<1	0.29	8	550	<2	3	0.77	<4	6	19	42	1.36	<0.01	7	0.16	153	3	27	213	15	<5	23	<10	179	1508	<2	12	<10	29	23
100671D	CL29836	0.037	<1	0.03	10	510	<2	<1	0.61	<4	7	16	42	1.40	<0.01	9	0.17	158	2	23	211	16	5	32	<10	174	1559	<2	12	<10	30	21
100672	CL29837	0.049	<1	<0.01	15	493	<2	1	0.38	<4	7	18	174	1.21	0.28	3	0.15	138	1	25	203	19	<5	24	<10	161	1451	<2	11	<10	31	24
100673	CL29838	0.048	<1	<0.01	11	528	<2	3	0.47	<4	7	22	63	1.17	0.08	7	0.15	133	3	33	192	17	6	29	<10	173	1406	<2	12	<10	33	20
100674	CL29839	<0.005	<1	2.74	12	91	3	<1	2.10	5	26	19	35	4.67	1.85	10	1.31	758	<1	37	1458	<1	8	36	10	520	5444	<2	98	17	27	119
100675	CL29840	0.071	2	<0.01	15	809	2	1	1.27	<4	6	28	32	1.47	0.62	22	0.14	161	6	34	198	26	5	27	<10	235	1707	<2	14	<10	29	24
100676	CL29841	0.103	2	3.43	24	792	2	2	1.49	<4	7	42	19	1.63	0.63	18	0.16	161	8	59	227	24	8	46	11	254	1745	<2	13	<10	30	26
100677	CL29842	0.033	1	5.75	16	852	<2	3	1.43	<4	6	28	44	1.29	0.46	21	0.22	127	5	40	239	19	<5	39	<10	208	1604	<2	13	<10	50	21
100678	CL29843	0.005	2	<0.01	18	912	2	3	1.16	<4	7	23	22	1.43	0.65	22	0.12	154	4	22	192	28	8	19	<10	248	1608	<2	15	<10	24	22
100679	CL29844	0.005	2	<0.01	18	731	<2	2	1.17	<4	8	39	34	1.49	0.94	16	0.15	167	8	56	220	29	5	24	<10	235	1747	<2	17	<10	19	23
100680	CL29845	0.076	1	2.48	16	629	<2	2	1.40	<4	6	46	61	1.49	0.70	11	0.19	161	10	78	230	22	<5	28	<10	228	1653	<2	15	<10	41	19
100681	CL29846	0.010	<1	1.83	9	414	2	<1	0.86	<4	8	70	125	1.66	0.51	5	0.18	153	15	129	211	15	9	26	<10	192	1525	<2	15	<10	43	18
100682D	CL29846	0.018	<1	1.61	13	360	<2	4	0.54	<4	8	55	126	1.57	0.43	<1	0.16	148	12	101	191	20	9	25	<10	182	1509	<2	14	<10	37	20
100683	CL29847	<0.005	<1	0.46	14	441	<2	3	0.43	<4	7	59	32	1.40	0.88	<1	0.16	155	11	111	190	12	<5	19	<10	192	1519	<2	12	<10	18	15
100684	CL29848	0.008	2	<0.01	11	642	<2	2	0.89	<4	6	61	24	1.42	0.40	12	0.14	171	13	102	212	20	5	16	14	184	1597	<2	16	<10	8	17
100685	CL29849	<0.005	<1	1.76	9	521	2	4	1.10	<4	7	99	22	1.82	0.35	7	0.17	192	23	184	222	15	<5	28	<10	208	1585	<2	21	<10	25	13
100686	CL29850	0.010	1	6.49	20	619	<2	<1	2.14	<4	7	72	27	1.72	0.46	20	0.21	169	16	125	259	17	<5	46	10	272	1744	<2	17	<10	39	19

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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## Final Certificate

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 Email: Alan\_Smith@iamgold.com

Date Received: 11/14/2013  
 Date Completed: 11/22/2013  
 Job #: 201310909  
 Reference: CL sample series  
 Sample #: 114

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100687	CL90001	2.285	<1	7.20	1355	648	5	5	5.67	22	45	166	157	11.73	0.70	29	2.82	3690	3	113	2451	28	12	29	12	449	7183	9	151	<10	22	125
100688	CL90002	0.129	1	7.29	17	431	<2	1	2.22	<4	8	79	267	1.59	0.37	23	0.27	162	8	34	278	20	6	45	10	266	1883	<2	15	<10	37	18
100689	CL90003	0.205	1	6.13	16	373	<2	1	1.89	<4	5	59	354	1.62	0.71	19	0.33	147	7	17	242	28	5	31	<10	168	1017	<2	13	<10	22	53
100690	CL90004	0.080	2	6.93	18	329	<2	2	2.18	<4	6	105	286	1.41	0.42	20	0.21	131	10	26	262	16	6	52	12	293	1850	<2	13	<10	32	22
100691	CL90005	0.085	2	4.17	21	256	<2	2	1.52	<4	6	86	301	1.39	0.45	13	0.19	118	9	32	226	23	10	33	<10	239	1561	<2	15	<10	17	22
100692	CL90006	0.011	2	4.63	21	334	<2	2	1.28	<4	5	71	90	1.19	0.45	14	0.28	103	8	27	234	19	6	31	<10	217	1300	<2	15	<10	23	18
100693	CL90007	0.659	<1	3.36	15	145	<2	3	1.38	<4	6	124	87	1.39	0.27	11	0.20	124	15	38	226	18	<5	27	<10	226	1478	<2	12	<10	18	20
100694	CL90008	0.019	<1	2.51	16	216	2	3	1.32	<4	7	114	45	1.49	0.31	7	0.19	141	9	34	234	17	5	33	<10	217	1544	<2	14	<10	22	19
100695	CL90009	0.014	<1	3.33	13	282	2	2	0.97	4	9	61	233	2.40	0.31	9	0.19	111	6	30	245	15	<5	31	<10	168	1272	<2	10	<10	15	14
100696	CL90010	0.065	1	1.66	13	233	<2	3	1.11	<4	6	78	191	1.62	0.24	8	0.18	111	12	26	254	24	9	26	<10	215	1386	<2	11	<10	15	12
100697D	CL90010	0.068	<1	2.88	10	194	<2	5	1.08	<4	7	68	184	1.54	<0.01	6	0.18	108	11	24	245	14	8	31	<10	210	1329	<2	11	<10	16	14
100698	CL90011	0.038	1	7.01	15	290	<2	2	1.97	<4	5	94	174	1.65	0.14	14	0.25	125	9	30	266	19	8	43	<10	253	1513	<2	15	<10	21	19
100699	CL90012	0.056	2	5.88	19	356	2	2	1.75	<4	7	81	209	1.92	0.42	17	0.24	139	11	34	253	17	<5	42	11	216	1378	<2	15	<10	25	19
100700	CL90013	<0.005	<1	8.54	14	709	4	2	4.96	11	31	80	34	6.34	0.60	34	1.53	950	13	71	1976	27	5	23	10	704	6690	<2	137	<10	38	98
100701	CL90014	0.073	1	5.12	15	343	<2	2	1.67	<4	7	94	257	2.03	0.64	17	0.32	131	9	26	295	20	9	26	<10	197	1049	<2	12	<10	18	22
100702	CL90015	0.120	2	5.32	17	274	2	2	2.02	<4	7	64	369	1.32	0.32	14	0.21	136	6	25	266	19	5	42	<10	227	1448	<2	11	<10	21	18
100703	CL90016	0.154	2	5.92	14	285	<2	4	1.97	<4	7	78	584	1.43	0.38	14	0.30	135	8	44	247	14	6	42	<10	194	1111	<2	14	<10	20	19
100704	CL90017	0.151	1	4.86	21	380	<2	2	1.55	<4	5	68	260	1.85	0.39	17	0.30	124	7	32	271	22	6	30	11	194	1180	<2	15	<10	20	19
100705	CL90018	0.270	2	4.10	13	306	<2	4	2.50	<4	6	80	492	1.88	0.29	16	0.27	188	8	42	261	18	7	40	<10	209	1231	<2	14	<10	14	31
100706	CL90019	0.219	2	2.20	18	210	<2	2	1.47	<4	7	72	405	1.51	0.14	8	0.16	136	7	34	219	13	6	24	<10	225	1435	<2	14	<10	11	24

PROCEDURE CODES: ALP2, ALFA1, ALMA1

  
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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 11/22/2013  
 Job #: 201310909  
 Reference: CL sample series  
 Sample #: 114

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100707	CL90020	0.155	1	2.12	12	174	<2	3	1.19	<4	7	68	226	1.46	0.30	9	0.16	128	6	37	186	17	<5	26	<10	213	1404	<2	14	<10	12	18
100708D	CL90020	0.148	1	2.64	15	244	<2	6	1.38	<4	7	73	244	1.58	0.13	9	0.16	139	9	41	210	19	<5	26	<10	226	1499	<2	15	<10	12	18
100709	CL90021	0.089	<1	0.82	13	112	<2	3	0.83	<4	7	83	153	1.45	0.53	<1	0.17	129	6	34	227	14	7	28	<10	183	1380	<2	14	<10	18	14
100710	CL90022	0.062	1	4.97	16	254	<2	2	1.75	<4	7	103	177	1.55	0.30	12	0.20	131	9	38	244	18	9	28	<10	223	1526	<2	15	<10	30	16
100711	CL90023	0.090	1	6.21	19	250	<2	<1	1.75	<4	6	87	97	1.49	0.34	14	0.21	122	10	32	264	18	7	44	<10	232	1677	<2	14	<10	30	19
100712	CL90024	0.083	2	6.70	14	261	2	2	1.81	<4	5	92	91	1.56	0.16	15	0.21	124	11	36	267	18	11	39	<10	243	1706	<2	15	<10	31	23
100713	CL90025	1.059	<1	6.15	661	515	4	3	5.96	18	50	188	104	9.78	0.20	19	3.01	2300	3	129	2045	27	8	34	11	501	8191	<2	153	<10	20	109
100714	CL90026	0.135	3	2.88	13	301	<2	1	1.65	4	8	89	277	1.83	0.10	13	0.20	143	23	37	241	120	11	44	<10	196	1455	<2	14	<10	21	326
100715	CL90027	0.073	1	3.70	20	369	<2	2	1.52	<4	6	58	328	1.59	0.62	15	0.29	148	8	25	239	24	<5	37	<10	161	1053	<2	13	<10	19	52
100716	CL90028	0.248	<1	4.95	16	474	2	2	1.82	9	9	36	1403	3.78	0.33	18	0.45	157	26	41	234	78	<5	38	<10	138	1018	<2	14	11	30	661
100717	CL90029	0.465	<1	7.47	27	660	3	3	1.45	10	16	39	1684	5.37	0.09	30	0.49	125	9	37	269	39	6	32	15	160	1241	<2	15	11	42	49
100718	CL90030	0.255	1	7.37	17	355	2	2	1.59	<4	6	67	310	2.03	0.33	18	0.33	128	16	40	266	26	7	45	<10	205	1303	<2	15	<10	38	103
100719D	CL90030	0.204	<1	4.31	14	182	2	3	0.89	<4	6	63	291	1.94	0.47	10	0.31	123	10	38	232	23	7	24	<10	175	1181	<2	14	<10	37	83
100720	CL90031	0.038	<1	<0.01	9	<1	2	2	0.08	<4	6	65	51	1.61	0.31	<1	0.22	136	3	31	164	45	<5	9	<10	149	1323	<2	12	<10	39	90
100721	CL90032	0.011	1	6.35	21	466	<2	2	1.73	<4	6	68	27	1.74	0.42	13	0.24	145	7	34	263	20	9	44	<10	226	1619	<2	15	<10	35	29
100722	CL90033	0.068	3	7.89	20	674	2	3	2.44	<4	9	96	267	1.97	0.40	19	0.22	152	17	95	292	27	7	44	10	251	1753	<2	17	<10	37	44
100723	CL90034	0.009	2	5.11	16	638	<2	2	1.98	<4	7	76	93	1.77	0.27	11	0.20	153	9	33	262	21	5	40	11	247	1716	<2	14	<10	31	31
100724	CL90035	0.038	<1	5.41	17	724	3	2	1.80	8	33	67	1645	4.42	0.07	8	0.16	136	10	86	243	42	13	38	<10	261	1510	<2	14	<10	38	171
100725	CL90036	<0.005	<1	4.40	14	566	2	2	1.21	<4	7	71	49	1.83	0.11	4	0.25	141	5	33	236	16	6	29	<10	222	1599	<2	13	<10	30	27
100726	CL90037	<0.005	<1	4.09	10	501	4	4	3.69	11	30	92	30	6.03	0.30	18	1.37	894	14	136	1756	25	<5	8	<10	634	6389	<2	129	<10	32	89

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Date Received: 11/14/2013  
 Date Completed: 11/22/2013  
 Job #: 201310909  
 Reference: CL sample series  
 Sample #: 114

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100727	CL90038	0.005	2	4.60	17	707	2	4	1.72	<4	6	79	18	1.76	<0.01	11	0.26	156	10	45	273	23	<5	28	<10	244	1585	<2	16	<10	23	21
100728	CL90039	0.008	<1	4.52	15	479	2	3	1.21	<4	6	85	23	1.76	0.41	7	0.31	145	6	36	232	15	9	28	<10	214	1532	<2	14	<10	34	18
100729	CL90040	0.030	<1	6.54	12	532	<2	1	1.58	<4	7	75	27	1.77	0.64	9	0.31	145	10	57	252	18	5	37	<10	215	1619	<2	14	<10	32	18
100730D	CL90040	0.024	<1	7.32	15	576	2	4	1.76	<4	6	80	29	1.79	0.41	14	0.32	147	10	58	254	19	10	52	<10	225	1650	<2	15	<10	33	17
100731	CL90041	<0.005	1	6.52	16	570	2	<1	1.87	<4	6	70	1465	1.88	0.68	13	0.28	147	7	36	236	15	9	49	<10	216	1509	<2	14	<10	35	27
100732	CL90042	0.050	<1	7.10	15	508	<2	3	2.01	<4	6	94	69	1.66	0.40	13	0.24	144	10	41	262	14	9	44	<10	224	1643	<2	14	<10	40	19
100733	CL90043	0.007	<1	6.15	11	455	<2	5	1.72	<4	6	65	27	1.71	0.41	8	0.26	142	6	34	247	17	6	42	<10	217	1630	<2	14	<10	40	19
100734	CL90044	0.008	<1	5.96	12	443	2	<1	1.52	<4	6	60	40	1.81	0.47	10	0.33	140	5	29	252	16	7	35	<10	210	1545	<2	14	<10	36	19
100735	CL90045	0.215	<1	4.12	18	415	<2	2	1.28	<4	7	61	92	1.90	0.37	6	0.25	133	6	36	239	17	8	24	<10	190	1545	<2	15	<10	32	22
100736	CL90046	0.365	1	4.50	15	351	<2	2	1.33	<4	8	74	563	1.91	0.16	9	0.31	124	13	58	267	17	<5	32	<10	184	1469	<2	16	<10	32	20
100737	CL90047	0.083	<1	3.78	15	274	<2	2	0.82	<4	8	73	154	1.86	0.07	8	0.47	123	9	53	242	15	5	25	<10	181	1191	<2	15	<10	29	17
100738	CL90048	0.200	1	3.91	16	219	<2	4	1.06	<4	7	73	504	1.81	0.03	4	0.46	136	9	48	253	16	8	23	<10	195	1306	<2	16	<10	28	17
100739	CL90049	0.246	<1	4.45	28	940	4	3	2.55	8	21	87	2727	4.34	0.08	30	1.10	522	79	35	1111	32	5	17	<10	429	4364	<2	115	<10	17	74
100740	CL90050	0.229	2	5.29	9	335	<2	2	1.66	<4	8	82	594	1.74	0.13	10	0.27	130	10	33	255	20	5	34	<10	205	1506	<2	15	<10	31	25
100741D	CL90050	0.202	2	7.78	15	399	2	4	2.12	<4	7	70	632	1.95	0.23	13	0.31	145	10	37	284	24	11	41	<10	230	1683	<2	17	<10	35	23
100742	CL90051	0.349	1	7.85	16	402	2	1	2.07	<4	7	72	338	1.86	0.29	14	0.40	143	9	42	275	20	<5	40	11	201	1257	<2	16	<10	35	18
100743	CL90052	0.341	2	7.86	12	327	2	2	1.67	<4	8	74	983	2.07	0.19	18	0.58	144	10	31	278	20	9	49	<10	212	1312	<2	16	<10	34	18
100744	CL90053	0.217	<1	5.87	18	225	2	<1	1.06	<4	7	78	773	2.00	0.18	12	0.55	129	6	34	263	23	5	34	10	181	1124	<2	16	<10	31	18
100745	CL90054	0.138	2	6.77	17	409	<2	1	1.53	<4	6	60	252	1.90	0.33	17	0.50	132	7	33	265	16	10	33	13	186	1045	<2	15	10	24	18
100746	CL90055	0.214	<1	4.99	19	232	2	2	0.87	4	7	51	249	1.97	0.36	16	0.73	137	27	28	228	15	5	37	<10	154	987	<2	14	<10	29	17

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Gogama, ON, CAN  
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 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 11/22/2013  
 Job #: 201310909  
 Reference: CL sample series  
 Sample #: 114

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100747	CL90056	0.703	1	3.93	20	272	<2	<1	1.38	<4	6	65	367	1.42	0.30	9	0.31	125	10	33	233	26	7	34	<10	162	949	<2	14	<10	23	24
100748	CL90057	0.023	<1	4.78	16	378	2	2	1.55	<4	7	67	236	1.84	0.13	13	0.46	170	6	32	322	17	6	30	<10	202	1298	<2	19	<10	18	26
100749	CL90058	<0.005	<1	4.46	12	395	<2	3	1.31	<4	7	61	18	1.79	0.14	15	0.70	174	5	25	357	14	9	17	<10	220	1378	<2	21	<10	14	19
100750	CL90059	0.006	<1	1.84	9	118	<2	1	0.08	<4	6	54	26	2.03	0.02	5	1.00	194	3	35	325	5	5	28	<10	165	1323	<2	21	<10	19	18
100751	CL90060	<0.005	<1	5.71	14	239	2	<1	0.89	<4	7	57	11	1.95	0.04	9	0.74	204	4	35	343	13	<5	26	<10	209	1468	<2	22	<10	15	18
100752R	CL90060	<0.005	<1	5.96	18	421	2	1	1.65	<4	8	58	12	2.00	0.19	25	0.82	194	7	26	385	14	5	41	<10	245	1589	<2	22	<10	17	21
100753	CL90061	<0.005	<1	9.71	15	755	4	3	4.96	10	28	47	30	5.74	0.58	32	1.44	854	7	51	1592	31	5	47	12	722	6250	<2	127	<10	36	88
100754	CL90062	0.009	<1	8.13	19	455	2	3	1.57	4	7	61	19	2.39	0.44	27	1.13	221	26	35	406	14	8	41	<10	215	1694	<2	24	<10	34	21
100755	CL90063	0.099	<1	8.29	14	501	2	2	1.77	4	7	65	60	2.12	0.15	26	0.88	189	7	36	383	16	<5	34	<10	236	1567	<2	23	<10	15	21
100756	CL90064	<0.005	<1	7.46	14	457	<2	2	1.93	<4	8	64	82	2.10	0.13	15	0.64	184	8	41	399	16	13	30	<10	260	1746	<2	24	<10	16	19
100757	CL90065	1.127	<1	6.94	19	588	2	3	2.02	<4	7	71	150	2.03	0.21	16	0.60	177	8	42	437	21	<5	39	<10	209	1451	<2	24	<10	21	24
100758	CL90066	0.008	<1	5.44	10	317	2	1	1.70	<4	7	93	18	2.01	0.37	6	0.40	179	6	45	349	17	6	38	<10	259	1722	<2	23	<10	21	24
100759	CL90067	0.028	<1	5.41	19	380	<2	2	1.46	<4	9	61	249	2.00	0.29	16	0.67	173	6	42	374	11	6	27	<10	220	1437	<2	23	<10	19	23
100760	CL90068	0.036	<1	4.00	13	239	<2	2	1.04	<4	7	76	124	1.97	0.09	9	0.66	174	8	47	355	12	9	26	<10	207	1418	<2	23	<10	15	20
100761	CL90069	0.028	<1	3.59	13	198	<2	3	1.11	<4	6	87	69	1.91	0.15	7	0.52	173	8	56	347	16	8	28	<10	218	1534	<2	22	<10	17	20
100762	CL90070	0.040	<1	1.91	10	25	<2	<1	0.75	<4	7	64	122	1.82	0.10	<1	0.47	164	5	49	335	11	8	34	<10	204	1468	<2	21	<10	16	17
100763D	CL90070	0.040	<1	<0.01	7	<1	2	1	<0.01	<4	7	67	119	1.88	<0.01	<1	0.51	166	2	57	274	2	6	12	<10	156	1330	<2	20	<10	17	16
100764	CL90071	0.094	1	4.16	16	362	<2	2	1.99	<4	5	62	156	1.64	0.40	13	0.46	174	6	30	383	19	<5	31	<10	215	1492	<2	23	<10	14	16
100765	CL90072	0.021	<1	8.53	13	268	2	2	2.36	<4	8	87	59	1.92	0.32	28	0.61	179	9	44	418	18	9	44	12	256	1686	<2	24	<10	21	21
100766	CL90073	1.559	<1	8.59	22	702	3	1	3.56	15	24	51	10842	8.06	0.51	26	1.65	566	559	22	1189	33	5	33	16	625	3295	<2	158	<10	15	88

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100767	CL90074	0.018	<1	8.06	8	<1	2	2	0.29	<4	7	55	114	1.94	0.33	18	1.04	196	4	39	330	1	<5	39	<10	214	1592	<2	20	<10	26	15
100768	CL90075	0.091	<1	7.49	10	<1	<2	3	0.46	<4	7	83	395	1.57	0.43	8	0.71	151	4	53	187	4	6	42	<10	236	1814	<2	17	<10	23	19
100769	CL90076	0.068	<1	7.12	10	<1	2	4	0.54	<4	6	77	93	1.55	0.41	7	0.74	166	3	45	232	5	5	31	<10	228	1730	<2	17	<10	24	20
100770	CL90077	0.038	<1	6.49	13	<1	2	3	0.39	<4	7	68	84	1.74	0.32	5	0.75	183	3	54	311	10	6	36	<10	213	1575	<2	21	<10	24	39
100771	CL90078	0.010	<1	4.44	9	<1	2	2	0.27	<4	6	42	39	1.54	0.72	10	0.70	192	<1	28	298	7	9	36	<10	202	1526	<2	17	<10	22	47
100772	CL90079	0.064	<1	5.47	7	<1	2	<1	0.07	<4	6	56	54	1.80	0.33	10	0.85	192	<1	23	308	3	9	34	<10	195	1474	<2	20	<10	21	17
100773	CL90080	0.103	<1	5.22	11	<1	<2	1	<0.01	<4	6	55	187	1.86	0.33	9	0.90	185	<1	35	320	1	<5	34	<10	190	1446	<2	20	<10	19	18
100774D	CL90080	0.111	<1	4.64	10	<1	2	3	<0.01	<4	7	63	196	1.91	0.07	8	0.87	193	<1	34	325	1	6	25	<10	190	1477	<2	21	<10	17	16
100775	CL90081	0.031	<1	4.23	12	<1	2	2	<0.01	<4	7	45	119	1.82	0.07	11	0.92	202	<1	27	304	3	<5	33	<10	193	1436	<2	20	<10	16	15
100776	CL90082	0.027	<1	3.77	10	<1	2	3	0.15	<4	7	76	74	1.96	0.21	4	0.82	218	3	49	320	4	8	30	<10	210	1688	<2	22	<10	21	18
100777	CL90083	0.022	<1	4.44	15	253	<2	2	1.37	<4	7	68	130	1.79	0.14	4	0.57	189	7	42	347	13	<5	22	<10	225	1457	<2	22	<10	24	15
100778	CL90084	0.090	<1	7.85	10	<1	<2	2	0.62	4	8	57	183	1.91	0.31	14	0.88	213	1	42	339	<1	<5	28	<10	233	1677	<2	22	<10	29	17
100779	CL90085	<0.005	<1	8.86	<2	108	5	<1	3.20	12	28	63	31	6.41	0.37	28	1.84	928	3	89	1821	5	6	19	<10	676	6636	<2	133	<10	42	86
100780	CL90086	0.007	<1	7.00	14	<1	2	2	0.66	<4	6	76	51	1.88	0.35	14	0.81	216	2	30	346	4	<5	36	<10	255	2010	<2	21	<10	25	18
100781	CL90087	0.033	<1	5.69	9	<1	2	2	0.53	<4	6	48	154	1.87	0.58	6	0.74	215	<1	27	318	<1	<5	36	<10	275	1881	<2	23	<10	23	20
100782	CL90088	0.016	<1	6.18	9	<1	2	3	0.41	<4	6	65	183	1.84	<0.01	7	0.75	195	1	37	323	4	7	37	<10	285	1823	<2	21	<10	22	95
100783	CL90089	0.013	<1	5.91	8	<1	2	2	0.44	<4	7	49	147	1.95	<0.01	10	0.71	187	<1	30	327	5	<5	31	<10	255	1876	<2	20	<10	23	41
100784	CL90090	0.012	<1	3.32	8	<1	2	<1	0.49	<4	6	44	55	1.68	2.49	<1	0.65	216	5	39	302	<1	10	16	<10	221	1823	<2	18	31	20	11
100785D	CL90090	0.019	<1	3.00	8	<1	2	<1	0.44	<4	6	53	55	1.65	2.09	9	0.65	212	3	38	293	<1	<5	39	12	216	1769	<2	18	23	20	5
100786	CL90091	0.015	<1	5.42	16	<1	<2	1	0.34	<4	6	57	44	1.77	<0.01	6	0.75	205	<1	36	326	2	8	31	<10	235	1714	<2	20	<10	23	27

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100787	CL90092	0.104	<1	<0.01	6	<1	<2	3	<0.01	<4	6	68	66	1.70	<0.01	<1	0.54	199	4	88	258	5	<5	24	<10	171	1427	<2	18	<10	18	18
100788	CL90093	0.052	<1	5.54	12	<1	2	3	0.60	<4	8	70	99	1.97	0.35	10	0.78	239	2	47	345	3	11	20	<10	244	1940	<2	22	<10	21	17
100789	CL90094	0.015	<1	1.33	7	<1	<2	3	0.02	<4	8	66	28	1.84	0.97	<1	0.68	231	3	57	293	<1	5	27	<10	215	1571	<2	21	<10	17	15
100790	CL90095	0.312	<1	3.30	13	<1	<2	1	<0.01	<4	9	65	175	1.93	0.22	2	0.78	220	3	60	317	5	5	25	<10	251	1655	<2	22	<10	18	19
100791	CL90096	0.351	<1	3.68	11	<1	2	2	<0.01	<4	7	71	614	1.85	<0.01	<1	0.80	192	7	86	312	10	<5	30	<10	203	1350	<2	23	<10	19	39
100792	CL90097	2.172	<1	5.80	1285	<1	5	2	3.34	24	39	138	169	11.41	0.05	11	2.75	3448	<1	103	2274	13	11	<5	<10	388	6806	<2	140	<10	24	687
100793	CL90098	0.743	<1	2.54	15	<1	2	3	<0.01	4	11	74	151	2.24	0.30	<1	0.65	225	7	76	319	4	6	21	<10	236	1922	<2	24	<10	19	34
100794	CL90099	0.246	<1	4.61	10	<1	2	2	0.02	4	9	72	82	2.14	<0.01	5	0.80	213	6	72	326	4	10	32	<10	229	1973	<2	26	<10	28	21
100795	CL90100	0.015	<1	6.53	12	<1	3	6	0.82	5	9	83	46	2.91	<0.01	18	1.21	331	6	88	620	<1	5	25	<10	312	2233	<2	40	<10	31	27
100796D	CL90100	0.012	<1	5.35	14	<1	2	2	0.61	4	8	86	42	2.74	0.04	10	1.15	310	7	84	587	3	5	31	<10	290	2089	<2	38	<10	32	24
100797	CL90101	0.015	<1	5.77	15	<1	4	2	4.55	13	30	83	84	7.26	0.36	54	3.45	1052	<1	68	3351	6	9	12	11	874	4457	<2	143	<10	31	86
100798	CL90102	0.053	<1	5.02	12	<1	2	4	1.17	4	12	52	202	2.54	0.29	12	1.09	356	2	54	514	2	<5	29	<10	353	2118	<2	34	<10	26	27
100799	CL90103	0.013	<1	<0.01	10	<1	2	3	<0.01	4	8	75	43	2.08	0.21	7	0.72	240	5	61	284	5	7	30	<10	222	1947	<2	25	<10	17	22
100800	CL90104	0.088	<1	3.75	15	<1	2	2	0.21	<4	7	82	73	2.11	0.04	7	0.77	233	6	74	308	2	9	35	<10	216	1879	<2	26	<10	26	21
100801	CL90105	0.157	<1	4.56	9	<1	2	4	0.05	4	8	64	221	2.30	<0.01	7	0.81	235	2	71	341	4	5	38	10	206	1949	<2	30	<10	28	20
100802	CL90106	0.218	<1	4.29	6	<1	2	<1	<0.01	4	7	70	941	2.23	0.09	2	0.77	231	4	62	320	10	5	17	<10	214	1901	<2	26	<10	28	30
100803	CL90107	0.229	<1	3.46	10	<1	2	3	<0.01	4	9	69	150	2.06	0.19	2	0.69	220	3	60	338	1	<5	33	<10	205	1962	<2	24	<10	28	23
100804	CL90108	0.182	<1	3.79	4	<1	2	1	0.30	<4	8	67	15	2.01	<0.01	1	0.67	215	5	74	209	2	8	33	<10	210	1893	<2	23	<10	29	15
100805	CL90109	0.012	<1	4.34	8	112	4	2	2.53	11	26	59	27	5.97	0.20	12	1.58	895	5	90	1673	12	<5	14	<10	630	6233	<2	128	<10	34	84
100806	CL90110	0.079	<1	4.03	8	<1	<2	2	0.18	4	8	61	134	2.05	<0.01	2	0.75	205	2	39	330	9	5	33	10	216	2037	<2	24	<10	27	49

PROCEDURE CODES: ALP2, ALFA1, ALMA1

Certified By:   
Dr. David Brown, VP Quality

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Tuesday, December 3, 2013


### Final Certificate

Iamgold  
Chester 1 Camp, 3 Mesomikenda Lake Rd  
Gogama, ON, CAN  
P0M1W0  
Ph#: (416) 363-8567  
Fax#: (416) 216-8535  
Email: Alan\_Smith@iamgold.com

Date Received: 11/14/2013  
Date Completed: 11/22/2013  
Job #: 201310909  
Reference: CL sample series  
Sample #: 114

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100807D	CL90110	0.080	<1	4.23	6	<1	2	2	0.17	4	9	58	131	2.04	0.05	2	0.76	206	1	38	321	5	6	28	<10	212	2018	<2	24	<10	29	18
100808	CL90111	0.087	<1	4.70	10	<1	2	2	0.24	<4	8	44	135	1.90	0.03	2	0.74	194	3	40	302	5	8	23	<10	236	1958	<2	24	<10	28	16
100809	CL90112	0.140	<1	4.58	8	<1	2	4	0.34	<4	8	67	162	2.03	<0.01	6	0.75	213	3	43	317	6	6	27	11	235	2065	<2	24	<10	30	20
100810	CL90113	0.027	<1	5.24	11	<1	2	1	0.43	<4	8	27	45	1.77	0.01	2	0.73	202	<1	38	337	4	<5	33	<10	248	1995	<2	22	<10	30	22
100811	CL90114	0.036	<1	5.02	8	<1	2	2	0.51	<4	7	48	28	1.79	0.02	5	0.73	217	<1	34	325	5	7	20	<10	225	2019	<2	22	<10	28	21

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Monday, December 2, 2013


### Final Certificate

 Iamgold  
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 Fax#: (416) 216-8535  
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 Date Received: 11/14/2013  
 Date Completed: 11/27/2013  
 Job #: 201310910  
 Reference: CL sample series  
 Sample #: 219

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100812	CL406001	<0.005	<1	5.74	8	255	2	3	0.16	<4	5	63	11	1.49	0.81	<1	0.54	173	3	58	183	7	7	28	<10	190	1223	<2	18	<10	12	152
100813	CL406002	<0.005	<1	7.40	6	191	2	7	0.36	<4	4	52	8	1.41	0.60	<1	0.58	198	<1	31	182	5	<5	28	<10	196	1289	<2	12	<10	15	127
100814	CL406003	<0.005	<1	>10.00	12	139	2	3	0.38	<4	3	56	10	1.52	0.56	<1	0.79	188	2	44	234	6	7	52	<10	212	1292	<2	12	<10	27	232
100815	CL406004	<0.005	<1	8.37	6	207	2	1	0.44	<4	4	66	8	1.54	0.60	<1	0.62	181	3	45	189	<1	11	36	11	190	1324	<2	13	11	17	101
100816	CL406005	0.014	<1	>10.00	10	183	2	2	0.24	<4	4	64	15	1.52	0.61	<1	0.70	137	2	40	212	8	11	26	11	162	1338	<2	13	<10	20	112
100817	CL406006	0.005	<1	>10.00	13	109	2	1	0.52	<4	4	66	13	1.49	0.58	<1	0.78	144	2	40	241	<1	7	46	<10	186	1292	<2	12	<10	24	199
100818	CL406007	1.026	<1	>10.00	590	22	2	2	4.23	8	47	177	88	9.20	0.95	<1	3.49	2238	<1	121	1885	8	10	5	16	427	8234	<2	133	<10	29	160
100819	CL406008	<0.005	<1	>10.00	9	196	2	5	0.56	<4	5	66	5	1.56	0.72	<1	0.81	139	<1	45	240	5	11	57	10	235	1296	<2	12	<10	26	40
100820	CL406009	<0.005	<1	>10.00	7	219	2	<1	0.58	<4	3	55	5	1.51	0.79	<1	0.77	149	<1	33	227	<1	13	45	11	232	1336	<2	12	<10	25	52
100821	CL406010	<0.005	<1	5.50	6	218	2	1	0.26	<4	4	64	7	1.41	0.71	<1	0.52	155	<1	35	176	6	12	24	<10	186	1262	<2	13	<10	12	39
100822D	CL406010	<0.005	<1	5.82	7	211	2	<1	0.25	<4	5	65	6	1.39	0.71	<1	0.52	152	2	35	184	13	<5	24	11	184	1232	<2	12	<10	12	35
100823	CL406011	<0.005	<1	3.99	3	174	2	6	0.17	<4	3	58	4	1.38	0.55	<1	0.45	158	<1	34	169	6	8	11	<10	180	1211	<2	12	<10	10	37
100824	CL406012	<0.005	<1	>10.00	7	237	2	<1	0.59	<4	4	54	5	1.48	0.83	<1	0.78	159	<1	33	230	4	10	62	10	211	1333	<2	12	<10	26	24
100825	CL406013	<0.005	<1	>10.00	3	237	2	4	0.54	<4	4	60	4	1.57	0.54	<1	0.73	165	<1	37	230	7	8	41	<10	221	1392	<2	13	<10	22	30
100826	CL406014	<0.005	<1	4.63	6	166	2	3	0.31	<4	3	54	3	1.38	0.75	<1	0.49	163	<1	37	130	7	<5	18	<10	196	1209	<2	12	<10	13	30
100827	CL406015	<0.005	<1	6.97	8	43	<2	1	0.05	<4	3	40	3	1.26	0.57	<1	0.57	134	<1	32	162	6	<5	27	10	174	1079	<2	10	<10	18	14
100828	CL406016	<0.005	<1	>10.00	11	198	2	2	0.81	<4	5	54	4	1.63	0.57	<1	0.85	175	<1	33	268	9	5	47	11	229	1442	<2	13	17	26	37
100829	CL406017	<0.005	<1	7.78	13	186	2	2	0.62	<4	4	77	5	1.64	0.68	<1	0.61	184	6	84	173	6	6	31	10	201	1353	<2	15	<10	17	37
100830	CL406018	<0.005	<1	<0.01	8	177	2	2	<0.01	<4	4	58	7	1.39	0.64	<1	0.38	131	<1	53	108	15	11	20	<10	142	1202	<2	14	<10	10	47
100831	CL406019	<0.005	<1	>10.00	7	247	3	1	3.25	6	27	127	23	6.27	0.99	<1	1.90	921	18	217	1708	13	15	30	15	592	6498	<2	121	12	43	107

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Monday, December 2, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
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 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 11/27/2013  
 Job #: 201310910  
 Reference: CL sample series  
 Sample #: 219

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100832	CL406020	<0.005	<1	3.96	9	182	2	3	0.19	<4	4	50	6	1.41	0.75	<1	0.49	159	<1	48	181	12	10	20	<10	166	1321	<2	14	<10	11	39
100833D	CL406020	<0.005	<1	5.91	9	171	2	1	0.19	<4	4	64	6	1.48	0.80	<1	0.55	161	<1	66	195	8	5	36	<10	164	1296	<2	14	<10	13	37
100834	CL406021	<0.005	<1	4.10	11	235	2	4	0.11	<4	4	77	7	1.44	0.64	<1	0.47	149	3	68	180	9	8	32	<10	193	1257	<2	14	<10	9	36
100835	CL406022	<0.005	<1	4.66	3	195	2	4	0.14	<4	4	66	3	1.39	0.64	<1	0.49	138	<1	60	176	8	8	17	<10	186	1224	<2	13	<10	11	28
100836	CL406023	<0.005	<1	>10.00	11	202	2	3	0.55	<4	4	67	4	1.62	0.65	<1	0.74	158	4	78	224	<1	9	43	<10	214	1360	<2	14	<10	23	38
100837	CL406024	<0.005	<1	8.71	10	239	2	3	0.56	<4	4	66	4	1.58	0.60	<1	0.64	187	3	63	177	9	<5	31	11	226	1393	<2	14	<10	16	28
100838	CL406025	<0.005	<1	8.28	3	213	2	2	0.59	<4	4	78	10	1.62	0.60	<1	0.64	221	2	66	173	10	7	39	11	222	1421	<2	15	<10	15	18
100839	CL406026	<0.005	<1	>10.00	9	244	2	4	0.40	<4	4	87	4	1.51	0.62	<1	0.89	164	2	48	278	1	13	49	<10	191	1473	<2	14	<10	25	26
100840	CL406027	<0.005	<1	5.99	8	196	2	3	0.38	<4	2	60	9	1.39	0.59	<1	0.56	223	<1	49	156	4	9	27	10	170	1199	<2	13	<10	13	36
100841	CL406028	<0.005	<1	>10.00	6	275	2	4	0.53	<4	4	61	10	1.47	0.58	<1	0.89	198	<1	43	279	3	6	56	11	198	1424	<2	13	<10	26	16
100842	CL406029	<0.005	<1	>10.00	14	212	2	3	0.46	<4	3	71	28	1.50	0.69	<1	0.91	174	2	64	270	3	11	56	<10	255	1355	<2	14	<10	32	44
100843	CL406030	0.006	<1	0.09	8	106	3	2	2.09	<4	5	72	59	1.85	0.79	<1	0.53	420	<1	44	233	17	<5	22	<10	424	1552	<2	23	<10	12	65
100844D	CL406030	0.010	<1	3.97	2	123	3	4	2.18	<4	5	73	58	1.88	0.67	<1	0.66	420	<1	50	311	9	15	39	<10	427	1608	<2	23	11	14	37
100845	CL406031	<0.005	<1	5.23	8	282	2	2	0.47	<4	5	61	10	1.45	0.61	<1	0.57	179	<1	49	179	5	<5	30	<10	250	1290	<2	16	<10	14	29
100846	CL406032	2.149	<1	5.44	1175	114	<2	5	3.50	10	39	144	124	10.38	0.80	<1	2.69	3444	<1	104	2122	11	11	<5	11	349	6392	<2	125	<10	20	126
100847	CL406033	0.008	<1	5.42	4	169	2	2	0.24	<4	3	74	5	1.33	0.86	<1	0.53	160	2	65	186	2	5	16	<10	196	1195	<2	13	12	12	10
100848	CL406034	<0.005	<1	>10.00	10	175	2	3	0.49	<4	4	44	5	1.34	0.60	<1	0.77	153	<1	38	234	<1	<5	35	<10	184	1279	<2	12	10	24	6
100849	CL406035	<0.005	<1	7.42	5	210	2	4	0.56	<4	4	49	9	1.37	0.56	<1	0.61	170	<1	38	174	8	14	33	<10	215	1301	<2	14	<10	15	14
100850	CL406036	0.006	<1	6.25	6	147	2	4	0.37	<4	3	48	13	1.37	0.74	24	0.56	146	<1	43	167	6	7	33	<10	201	1268	<2	13	<10	14	12
100851	CL406037	<0.005	<1	>10.00	6	147	2	1	0.50	<4	4	38	3	1.37	0.68	32	0.82	132	<1	31	258	<1	13	60	15	215	1342	<2	12	<10	24	11

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Monday, December 2, 2013


### Final Certificate

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 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
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 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 11/27/2013  
 Job #: 201310910  
 Reference: CL sample series  
 Sample #: 219

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100852	CL406038	0.010	<1	3.87	4	154	2	4	0.25	<4	3	45	6	1.33	0.68	<1	0.54	168	<1	39	143	5	14	31	<10	257	1332	<2	14	<10	12	12
100853	CL406039	<0.005	<1	8.81	9	99	2	<1	0.15	<4	5	49	6	1.45	0.63	<1	0.68	153	<1	31	219	2	<5	24	<10	225	1358	<2	13	<10	21	28
100854	CL406040	<0.005	<1	3.52	4	108	2	3	<0.01	<4	4	56	3	1.47	0.62	<1	0.50	144	<1	45	157	8	<5	27	<10	211	1289	<2	13	<10	14	73
100855D	CL406040	<0.005	<1	7.92	5	109	2	3	0.06	<4	4	47	3	1.44	0.73	<1	0.65	140	<1	43	205	4	7	36	<10	217	1300	<2	13	10	20	40
100856	CL406041	<0.005	<1	3.42	4	146	2	3	<0.01	<4	4	43	3	1.38	0.55	<1	0.50	155	<1	46	169	7	<5	19	<10	206	1259	<2	13	<10	12	28
100857	CL406042	<0.005	<1	4.06	5	127	2	4	<0.01	<4	4	63	3	1.42	0.64	<1	0.52	161	<1	40	179	4	11	29	10	196	1298	<2	13	<10	13	28
100858	CL406043	<0.005	<1	4.44	9	163	2	2	<0.01	<4	4	48	3	1.43	0.65	<1	0.54	165	<1	29	202	7	6	26	<10	227	1339	<2	13	<10	14	19
100859	CL406044	<0.005	<1	9.06	6	219	3	<1	3.02	5	27	43	21	5.76	0.81	<1	1.87	906	<1	59	1705	10	9	35	<10	631	6375	<2	120	<10	43	85
100860	CL406045	<0.005	<1	5.22	7	169	2	3	0.14	<4	4	32	7	1.33	0.51	<1	0.58	165	<1	26	177	6	5	22	<10	180	1355	<2	13	<10	14	6
100861	CL406046	0.008	<1	4.97	7	167	2	3	0.04	<4	3	43	9	1.36	0.47	<1	0.55	149	<1	31	161	<1	10	25	<10	215	1287	<2	13	<10	15	13
100862	CL406047	0.010	<1	4.80	4	126	2	2	0.04	<4	4	51	8	1.38	0.72	<1	0.54	136	<1	32	167	3	7	35	<10	193	1256	<2	12	<10	16	10
100863	CL406048	0.017	<1	5.01	17	153	2	4	0.03	<4	3	39	6	1.43	0.64	<1	0.55	135	<1	24	167	4	10	36	<10	206	1321	<2	13	<10	14	5
100864	CL406049	<0.005	<1	4.02	12	583	<2	1	1.56	<4	4	48	8	1.24	1.15	<1	0.17	106	<1	25	191	19	9	30	10	222	1201	<2	13	<10	9	12
100865	CL406050	0.024	<1	>10.00	16	779	<2	3	2.59	<4	3	101	13	1.46	0.88	<1	0.29	124	4	29	386	21	11	52	12	261	1515	<2	14	<10	17	34
100866D	CL406050	0.039	<1	<0.01	15	674	<2	4	1.74	<4	5	55	11	1.31	0.92	<1	0.11	117	1	28	133	29	5	20	<10	225	1260	<2	14	<10	7	277
100867	CL406051	<0.005	<1	1.67	18	839	<2	5	2.08	5	5	58	16	1.42	0.69	<1	0.12	122	5	31	182	31	11	21	<10	250	1311	<2	15	12	6	1025
100868	CL406052	<0.005	<1	0.11	12	828	<2	3	1.88	<4	6	71	12	1.33	0.74	<1	0.11	116	4	28	166	30	6	13	<10	240	1297	<2	15	<10	6	39
100869	CL406053	0.006	<1	2.78	23	829	<2	3	1.95	<4	4	48	22	1.35	0.82	<1	0.14	112	4	27	214	24	7	27	<10	246	1307	<2	15	<10	6	11
100870	CL406054	<0.005	<1	3.47	10	810	<2	3	1.68	<4	5	56	9	1.29	0.76	<1	0.15	114	4	26	235	20	<5	11	<10	237	1275	<2	14	<10	7	11
100871	CL406055	<0.005	<1	3.47	9	777	<2	4	1.81	<4	5	46	16	1.20	0.64	<1	0.15	111	<1	21	250	20	6	26	<10	255	1281	<2	14	<10	7	<1

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Monday, December 2, 2013


### Final Certificate

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Chester 1 Camp, 3 Mesomikenda Lake Rd  
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P0M1W0  
Ph#: (416) 363-8567  
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Email: Alan\_Smith@iamgold.com

Date Received: 11/14/2013  
Date Completed: 11/27/2013  
Job #: 201310910  
Reference: CL sample series  
Sample #: 219

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100872	CL406056	<0.005	<1	4.41	11	928	<2	3	2.16	<4	5	74	30	1.44	0.57	<1	0.16	111	5	27	215	25	7	23	10	278	1392	<2	15	<10	8	9
100873	CL406057	0.248	<1	>10.00	32	1130	3	3	3.75	4	21	98	2733	4.53	0.87	<1	1.69	541	78	41	1379	35	9	57	17	461	4890	<2	111	<10	30	52
100874	CL406058	0.006	<1	7.54	19	802	<2	3	2.06	<4	6	69	26	1.38	0.81	<1	0.22	110	3	28	255	16	<5	33	<10	286	1382	<2	15	<10	12	<1
100875	CL406059	<0.005	<1	>10.00	17	938	<2	2	2.40	<4	2	69	24	1.39	0.77	<1	0.24	106	4	30	309	30	12	40	13	322	1414	<2	15	<10	14	6
100876	CL406060	<0.005	<1	8.36	15	953	<2	4	2.28	<4	4	60	21	1.45	0.91	<1	0.23	110	3	24	256	24	13	43	10	333	1456	<2	15	<10	12	9
100877R	CL406060	<0.005	<1	6.41	16	927	<2	2	2.08	<4	5	65	21	1.48	0.90	<1	0.21	111	2	29	221	17	12	28	14	323	1411	<2	16	<10	11	25
100878	CL406061	0.007	<1	5.05	14	972	<2	3	2.11	<4	4	68	32	1.43	0.10	<1	0.17	115	5	34	223	21	11	44	11	317	1348	<2	15	<10	8	5
100879	CL406062	<0.005	<1	6.28	14	921	<2	4	2.20	<4	5	60	22	1.35	0.12	<1	0.19	111	3	23	225	22	10	42	12	369	1362	<2	15	<10	10	7
100880	CL406063	<0.005	<1	6.85	17	1017	<2	2	2.36	<4	5	108	21	1.83	0.13	<1	0.21	149	14	117	234	23	10	42	11	388	1468	<2	19	<10	11	7
100881	CL406064	<0.005	<1	8.06	13	1014	<2	3	2.48	<4	10	77	12	1.71	1.39	<1	0.25	139	7	57	249	23	12	39	10	394	1539	<2	20	<10	14	276
100882	CL406065	<0.005	<1	8.30	10	978	<2	4	2.45	<4	11	97	10	1.88	1.18	<1	0.24	141	14	94	258	32	16	46	<10	407	1514	<2	19	<10	14	81
100883	CL406066	<0.005	<1	8.40	20	916	<2	2	2.49	<4	5	85	29	1.66	1.10	<1	0.23	142	10	69	254	29	<5	42	10	411	1417	<2	17	10	12	31
100884	CL406067	<0.005	<1	7.87	19	860	<2	4	2.39	<4	7	91	14	1.83	1.22	<1	0.30	158	12	100	274	28	13	49	10	416	1563	<2	19	<10	14	15
100885	CL406068	<0.005	<1	6.76	13	914	<2	2	2.22	<4	6	82	9	1.59	0.60	<1	0.20	133	12	92	236	24	5	38	13	376	1386	<2	17	<10	14	6
100886	CL406069	<0.005	<1	7.62	9	365	2	1	2.63	<4	18	118	19	4.46	0.14	<1	1.24	629	19	225	1326	14	9	18	<10	438	4276	<2	85	<10	32	44
100887	CL406070	<0.005	<1	2.86	15	864	<2	2	1.72	<4	9	90	12	1.62	0.23	<1	0.16	131	10	96	209	24	17	34	11	351	1366	<2	18	<10	9	13
100888D	CL406070	<0.005	<1	2.45	18	823	<2	5	1.56	<4	8	77	11	1.48	0.17	<1	0.16	123	8	80	234	28	13	21	<10	330	1309	<2	17	<10	8	9
100889	CL406071	<0.005	<1	1.35	11	778	<2	2	1.59	<4	5	90	14	1.42	0.11	<1	0.13	128	10	101	208	23	6	29	<10	317	1204	<2	16	<10	7	<1
100890	CL406072	<0.005	<1	7.13	13	778	<2	<1	2.01	<4	3	72	13	1.39	0.20	<1	0.21	125	7	60	248	24	10	33	13	320	1359	<2	15	<10	12	12
100891	CL406073	<0.005	<1	6.38	17	939	<2	2	2.28	<4	4	81	26	1.59	0.22	<1	0.20	135	7	71	218	25	8	43	<10	301	1406	<2	17	<10	8	8

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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## Final Certificate

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 Gogama, ON, CAN  
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 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 11/27/2013  
 Job #: 201310910  
 Reference: CL sample series  
 Sample #: 219

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100892	CL406074	<0.005	<1	7.01	19	1015	<2	3	2.44	<4	6	84	27	1.58	0.24	<1	0.18	138	9	76	198	24	12	45	11	285	1341	<2	18	<10	10	5
100893	CL406075	<0.005	<1	7.78	21	1000	<2	3	2.59	<4	4	101	19	1.60	0.15	<1	0.20	142	13	89	186	24	8	42	13	319	1386	<2	17	10	11	6
100894	CL406076	<0.005	<1	>10.00	21	812	<2	2	2.31	<4	6	91	28	1.60	0.15	<1	0.29	144	9	81	298	26	10	29	19	298	1473	<2	17	10	14	2
100895	CL406077	0.006	<1	>10.00	20	789	<2	8	2.64	<4	9	98	22	1.47	0.15	<1	0.30	127	8	60	414	20	11	70	11	354	1500	<2	15	13	19	7
100896	CL406078	<0.005	<1	>10.00	14	957	<2	3	2.65	<4	7	79	27	1.57	0.26	<1	0.32	138	7	62	409	24	14	77	11	346	1523	<2	17	<10	19	6
100897	CL406079	<0.005	<1	1.58	19	963	<2	1	1.99	<4	5	61	19	1.35	0.43	<1	0.15	138	5	39	179	28	10	30	11	309	1377	<2	17	<10	7	19
100898	CL406080	0.009	<1	1.63	12	699	<2	3	1.78	<4	5	52	29	1.17	0.24	<1	0.15	128	3	31	200	27	5	27	<10	288	1186	<2	13	<10	6	11
100899D	CL406080	<0.005	<1	3.05	14	791	<2	3	1.98	<4	7	62	36	1.40	0.13	<1	0.18	151	3	35	251	28	7	26	<10	320	1337	<2	15	<10	7	17
100900	CL406081	0.006	<1	2.34	12	750	<2	3	2.03	<4	7	86	39	1.54	0.12	<1	0.24	183	5	43	320	28	10	30	10	309	1478	<2	18	<10	7	11
100901	CL406082	1.516	<1	2.32	21	759	<2	5	3.13	6	22	53	10073	7.04	0.11	<1	1.11	559	525	23	988	41	8	7	12	525	3080	<2	142	<10	7	88
100902	CL406083	0.007	<1	>10.00	13	887	<2	4	2.58	<4	5	63	27	1.46	0.16	<1	0.27	128	6	36	343	24	7	64	14	332	1480	<2	15	<10	16	<1
100903	CL406084	<0.005	<1	7.47	19	886	<2	<1	2.34	<4	4	76	18	1.36	0.14	<1	0.21	131	5	41	241	24	5	35	25	307	1361	<2	16	<10	11	2
100904	CL406085	<0.005	<1	7.02	20	1044	<2	3	2.57	<4	5	74	25	1.43	0.16	<1	0.21	148	7	49	193	23	9	42	<10	354	1435	<2	17	<10	10	5
100905	CL406086	<0.005	<1	7.84	16	993	<2	2	2.61	<4	5	72	27	1.45	0.15	<1	0.21	139	7	46	202	26	<5	47	13	333	1476	<2	16	<10	11	5
100906	CL406087	<0.005	<1	6.88	19	783	<2	1	2.13	<4	3	51	18	0.92	0.34	<1	0.15	<100	4	32	194	25	11	42	<10	255	1072	<2	12	<10	7	<1
100907	CL406088	<0.005	<1	>10.00	20	1055	<2	3	2.48	<4	6	82	72	1.49	0.26	<1	0.34	153	9	52	333	25	11	54	13	338	1486	<2	20	<10	15	6
100908	CL406089	<0.005	<1	9.78	12	815	<2	2	2.21	<4	7	73	42	1.46	0.23	<1	0.34	161	3	35	325	22	6	45	26	318	1408	<2	20	<10	15	10
100909	CL406090	0.006	<1	1.13	11	833	<2	5	1.68	<4	4	90	46	1.28	0.22	<1	0.13	126	5	38	161	27	8	27	11	307	1217	<2	15	<10	8	<1
100910D	CL406090	0.005	<1	1.65	13	854	<2	3	1.66	<4	7	75	46	1.26	0.21	<1	0.13	125	4	39	203	24	9	23	<10	304	1212	<2	15	<10	7	2
100911	CL406091	<0.005	<1	2.19	18	798	<2	2	1.53	<4	4	60	23	1.17	0.20	11	0.14	126	3	29	215	30	8	29	14	267	1165	<2	13	<10	7	126

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Date Received: 11/14/2013  
Date Completed: 11/27/2013  
Job #: 201310910  
Reference: CL sample series  
Sample #: 219

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100912	CL406092	<0.005	<1	3.99	14	855	<2	5	1.94	<4	4	72	19	1.40	0.23	<1	0.16	159	12	31	236	23	13	21	10	291	1337	<2	15	10	8	8
100913	CL406093	<0.005	<1	3.25	12	812	<2	2	1.78	<4	5	59	26	1.05	0.21	<1	0.15	131	4	27	238	29	8	42	15	286	1207	<2	14	<10	8	8
100914	CL406094	<0.005	<1	1.68	12	738	3	4	4.37	6	25	58	29	5.24	0.20	23	0.91	816	5	81	1053	34	9	16	18	606	5601	<2	114	<10	18	81
100915	CL406095	<0.005	<1	1.11	13	764	<2	3	1.84	<4	2	64	29	1.24	0.24	8	0.16	157	7	74	133	27	6	27	15	275	1243	<2	16	<10	10	<1
100916	CL406096	<0.005	<1	2.92	17	563	<2	4	1.40	<4	2	49	17	1.07	0.18	9	0.15	135	2	48	145	25	10	34	10	213	1055	<2	12	<10	10	<1
100917	CL406097	<0.005	<1	1.78	10	756	<2	3	1.81	<4	4	95	16	1.39	0.37	24	0.15	135	11	92	123	26	10	20	14	243	1190	<2	15	<10	9	4
100918	CL406098	<0.005	<1	9.36	26	875	<2	6	2.24	<4	4	83	24	1.61	0.26	30	0.23	155	11	96	287	21	14	50	14	257	1372	<2	16	11	13	<1
100919	CL406099	0.006	<1	9.79	18	804	<2	5	2.20	<4	3	84	32	1.43	0.34	24	0.24	142	9	81	294	23	11	45	16	282	1293	<2	16	<10	14	6
100920	CL406100	0.011	<1	5.85	16	827	<2	5	2.43	<4	4	87	76	1.67	0.38	33	0.29	222	11	104	286	24	8	38	11	274	1429	<2	23	<10	11	15
100921D	CL406100	0.009	<1	0.96	13	763	<2	3	2.06	<4	6	81	69	1.49	0.32	20	0.19	204	10	100	214	24	<5	31	11	250	1268	<2	21	<10	6	13
100922	CL406101	0.013	<1	<0.01	10	808	<2	4	1.60	<4	4	47	55	1.28	0.26	25	0.12	135	7	81	171	25	13	19	<10	270	1183	<2	16	12	6	11
100923	CL406102	<0.005	<1	3.10	13	979	<2	3	1.75	<4	7	60	17	1.49	0.19	21	0.17	174	10	107	224	26	7	20	13	288	1249	<2	17	<10	7	7
100924	CL406103	<0.005	<1	3.62	12	916	<2	5	1.81	<4	5	43	8	1.43	0.18	16	0.16	173	6	77	239	22	12	35	<10	332	1270	<2	16	<10	9	6
100925	CL406104	<0.005	<1	5.58	13	880	<2	4	1.86	<4	4	54	12	1.54	0.19	11	0.19	206	10	103	252	23	8	63	<10	303	1325	<2	16	<10	10	12
100926	CL406105	<0.005	<1	3.73	12	864	<2	3	1.88	<4	5	54	21	1.51	0.23	10	0.15	192	10	96	187	26	8	31	11	270	1302	<2	16	<10	8	9
100927	CL406106	<0.005	<1	1.12	12	830	<2	4	1.69	<4	2	36	17	1.37	0.32	14	0.14	176	4	59	151	23	11	23	<10	258	1257	<2	15	<10	8	7
100928	CL406107	1.055	<1	>10.00	650	621	<2	3	5.89	9	48	192	93	9.26	0.55	38	3.43	2249	<1	138	2027	25	14	28	17	454	8196	6	139	<10	24	100
100929	CL406108	<0.005	<1	5.04	18	893	<2	2	2.02	<4	5	35	12	1.39	0.32	15	0.18	176	5	53	189	21	11	36	<10	254	1346	<2	15	<10	9	8
100930	CL406109	<0.005	<1	7.59	22	815	<2	5	1.99	<4	6	33	11	1.32	0.40	8	0.21	192	4	49	238	25	9	46	<10	276	1288	<2	14	11	11	<1
100931	CL406110	<0.005	<1	4.41	15	819	<2	5	1.78	<4	4	35	13	1.33	0.32	9	0.19	159	3	47	187	22	9	30	16	253	1365	<2	16	<10	10	<1

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Reference: CL sample series  
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Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100932D	CL406110	<0.005	<1	1.23	19	783	<2	5	1.59	<4	5	34	12	1.27	0.31	10	0.15	154	2	48	153	26	12	34	13	242	1288	<2	16	<10	7	18
100933	CL406111	<0.005	<1	0.83	11	858	<2	5	1.77	<4	4	40	14	1.27	0.31	10	0.13	149	5	65	166	25	9	30	13	288	1328	<2	17	<10	6	25
100934	CL406112	<0.005	<1	2.32	18	817	<2	2	1.91	<4	4	38	31	1.35	0.19	12	0.14	166	4	61	193	19	6	45	<10	269	1323	<2	16	<10	8	6
100935	CL406113	<0.005	<1	3.14	13	863	<2	4	1.87	<4	4	53	10	1.53	0.17	15	0.16	184	12	90	229	21	5	29	13	262	1399	<2	17	<10	7	9
100936	CL406114	<0.005	<1	4.61	16	1035	<2	7	2.16	<4	4	45	29	1.37	0.34	20	0.19	182	8	71	292	30	<5	37	20	281	1485	<2	19	<10	5	12
100937	CL406115	<0.005	<1	1.59	8	551	<2	3	0.93	<4	3	29	12	1.01	<0.01	<1	0.15	138	1	53	194	17	7	26	<10	179	1036	<2	12	<10	7	151
100938	CL406116	<0.005	<1	3.44	19	870	<2	3	1.87	<4	6	36	13	1.30	0.24	11	0.16	167	6	57	203	24	11	24	14	243	1318	<2	16	<10	7	2
100939	CL406117	<0.005	<1	2.41	14	826	<2	4	1.83	<4	5	37	8	1.45	0.36	14	0.15	183	7	63	203	28	11	37	15	256	1358	<2	16	<10	6	14
100940	CL406118	<0.005	<1	1.77	13	801	<2	4	1.66	<4	5	42	9	1.43	0.17	6	0.14	186	6	74	176	26	8	26	<10	245	1289	<2	15	<10	6	6
100941	CL406119	<0.005	<1	<0.01	9	828	3	2	4.15	5	25	69	30	5.22	0.63	25	0.52	846	7	125	879	45	7	<5	11	583	5142	<2	115	<10	14	82
100942	CL406120	<0.005	<1	0.65	15	786	<2	1	1.84	<4	6	55	9	1.64	0.34	20	0.23	235	6	79	166	27	13	18	14	245	1376	<2	19	<10	6	17
100943R	CL406120	<0.005	<1	2.41	17	780	<2	4	1.86	<4	4	50	9	1.59	0.25	22	0.27	227	5	65	194	31	11	38	14	247	1366	<2	18	<10	7	18
100944	CL406121	<0.005	<1	3.79	12	830	<2	3	1.40	<4	2	37	9	1.26	0.10	<1	0.19	147	5	64	225	24	5	26	12	256	1237	<2	15	<10	7	30
100945	CL406122	<0.005	<1	2.79	21	783	<2	3	1.53	<4	5	36	12	1.10	0.18	<1	0.14	147	3	64	184	22	<5	30	<10	236	1114	<2	13	<10	6	22
100946	CL406123	<0.005	<1	1.83	18	675	<2	3	1.30	<4	3	38	15	1.12	0.22	<1	0.14	157	9	70	179	22	11	17	<10	221	1080	<2	13	<10	6	10
100947	CL406124	<0.005	<1	3.31	19	766	<2	6	1.79	<4	4	65	16	1.45	0.13	4	0.16	199	10	116	188	30	10	32	14	263	1218	<2	16	<10	6	23
100948	CL406125	<0.005	<1	4.11	21	797	<2	1	1.83	<4	4	23	15	1.19	0.12	<1	0.15	184	2	30	189	26	9	48	13	256	1212	<2	13	<10	8	17
100949	CL406126	<0.005	<1	4.27	20	766	<2	1	1.93	<4	4	27	11	1.07	0.16	<1	0.19	148	3	40	200	32	10	33	11	271	1274	<2	17	<10	9	9
100950	CL406127	<0.005	<1	3.14	18	824	<2	4	1.83	<4	4	26	10	1.15	0.21	<1	0.17	149	<1	32	193	25	5	18	10	278	1287	<2	15	<10	7	13
100951	CL406128	<0.005	<1	>10.00	15	744	<2	<1	3.99	<4	17	61	49	3.64	0.44	25	1.50	544	<1	45	360	27	18	41	17	380	2569	<2	87	<10	17	25

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 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 11/27/2013  
 Job #: 201310910  
 Reference: CL sample series  
 Sample #: 219

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
100952	CL406129	<0.005	<1	3.08	17	753	<2	3	1.76	<4	3	26	17	1.11	0.18	<1	0.14	150	2	37	193	22	7	41	<10	245	1144	<2	13	<10	6	3
100953	CL406130	<0.005	<1	3.16	18	792	<2	3	1.73	<4	5	25	14	1.17	0.17	<1	0.16	160	2	36	210	19	9	30	<10	263	1230	<2	14	<10	7	4
100954D	CL406130	<0.005	<1	2.99	14	798	<2	4	1.73	<4	4	25	14	1.14	0.17	<1	0.15	158	2	33	230	19	6	28	11	263	1211	<2	14	<10	6	15
100955	CL406131	<0.005	<1	2.33	8	666	<2	7	3.88	<4	19	79	54	4.02	0.20	10	1.09	641	<1	61	277	23	5	19	<10	411	2681	<2	106	<10	8	36
100956	CL406132	2.216	<1	>10.00	1176	630	<2	2	4.99	10	37	140	125	9.90	0.46	13	3.03	3131	<1	106	2235	20	14	17	12	372	6472	5	121	11	28	97
100957	CL406133	<0.005	<1	4.37	16	738	<2	1	1.82	<4	5	25	13	1.15	0.19	<1	0.18	140	<1	37	191	20	14	22	16	307	1234	<2	15	<10	8	<1
100958	CL406134	<0.005	<1	7.04	11	794	<2	3	1.79	<4	7	19	9	1.06	0.09	<1	0.21	116	<1	24	228	15	6	37	11	280	1293	<2	15	<10	10	<1
100959	CL406135	<0.005	<1	2.59	12	664	<2	5	1.23	<4	8	18	7	1.04	0.15	<1	0.15	109	<1	29	144	20	9	35	13	213	1077	<2	12	<10	6	6
100960	CL406136	<0.005	<1	6.50	10	817	<2	3	1.89	<4	3	22	9	1.22	0.33	<1	0.18	135	<1	30	211	20	9	42	14	280	1237	<2	13	<10	10	6
100961	CL406137	<0.005	<1	6.38	15	748	<2	3	1.72	<4	3	17	12	1.18	0.25	<1	0.19	143	<1	23	225	21	<5	35	12	238	1219	<2	13	<10	10	3
100962	CL406138	<0.005	<1	1.34	15	732	<2	1	1.64	<4	4	22	11	1.22	0.21	<1	0.13	157	<1	27	159	23	5	20	<10	238	1190	<2	13	<10	6	12
100963	CL406139	<0.005	<1	2.55	20	748	<2	2	1.50	<4	5	25	16	1.12	0.35	<1	0.13	140	<1	36	184	23	9	35	<10	193	1098	<2	13	<10	6	6
100964	CL406140	<0.005	<1	3.11	13	705	<2	2	1.46	<4	4	32	10	1.18	0.15	<1	0.14	177	3	60	207	24	5	35	11	227	1061	<2	13	<10	6	8
100965D	CL406140	<0.005	<1	3.01	14	718	<2	2	1.54	<4	2	32	11	1.24	0.22	<1	0.13	187	5	57	210	19	5	40	13	233	1117	<2	14	<10	5	14
100966	CL406141	<0.005	<1	4.27	10	717	<2	2	1.59	<4	5	48	10	1.53	0.06	<1	0.30	212	5	51	260	14	12	25	<10	235	1310	<2	17	10	7	14
100967	CL406142	<0.005	<1	4.07	20	781	<2	7	1.68	<4	4	37	7	1.29	0.11	<1	0.23	181	1	44	250	29	8	21	<10	253	1244	<2	15	<10	7	9
100968	CL406143	<0.005	<1	3.25	19	754	<2	3	1.80	<4	4	26	12	1.19	0.10	<1	0.16	187	1	42	180	24	8	19	12	264	1229	<2	14	<10	8	7
100969	CL406144	<0.005	<1	5.38	18	845	3	3	5.00	6	29	57	30	5.86	0.19	20	1.16	899	8	91	1320	37	12	24	20	661	6476	<2	124	<10	23	97
100970	CL406145	<0.005	<1	6.33	13	818	<2	4	2.29	<4	4	25	24	1.28	0.22	6	0.21	202	<1	40	204	30	7	42	17	270	1360	<2	15	<10	14	13
100971	CL406146	<0.005	<1	3.57	12	710	<2	2	3.64	4	20	70	22	4.04	0.16	23	1.38	609	<1	52	206	28	6	26	12	229	2702	<2	111	<10	11	38

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Monday, December 2, 2013


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 Date Received: 11/14/2013  
 Date Completed: 11/27/2013  
 Job #: 201310910  
 Reference: CL sample series  
 Sample #: 219

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100972	CL406147	<0.005	<1	4.11	11	683	<2	2	2.71	<4	13	41	32	2.63	0.25	8	0.76	363	<1	38	209	23	8	20	11	242	1943	<2	59	11	9	29
100973	CL406148	<0.005	<1	7.08	14	658	<2	1	1.86	<4	6	18	10	1.20	0.24	1	0.21	154	<1	25	240	26	11	52	12	260	1258	<2	13	<10	12	<1
100974	CL406149	<0.005	<1	4.58	17	739	<2	2	1.96	<4	5	19	9	1.20	0.21	3	0.17	170	<1	23	208	23	<5	35	10	227	1253	<2	14	<10	8	18
100975	CL406150	<0.005	<1	2.41	17	784	<2	6	1.82	<4	5	21	8	1.26	0.14	13	0.14	177	<1	28	184	35	7	38	<10	238	1248	<2	14	11	6	14
100976D	CL406150	<0.005	<1	<0.01	13	746	<2	5	1.40	<4	3	20	8	1.22	0.27	<1	0.08	176	1	29	142	22	7	22	12	227	1139	<2	14	<10	4	14
100977	CL406151	<0.005	<1	3.20	14	740	<2	4	1.79	<4	4	20	13	1.23	0.12	<1	0.15	196	3	27	220	20	6	31	<10	240	1240	<2	13	12	7	2
100978	CL406152	<0.005	<1	3.38	10	685	<2	2	1.62	<4	5	19	8	1.20	0.18	<1	0.16	169	<1	24	223	15	10	7	12	220	1217	<2	14	<10	7	12
100979	CL406153	<0.005	<1	3.39	20	733	<2	4	1.48	<4	3	17	7	1.22	0.08	<1	0.17	150	1	22	232	21	11	38	10	206	1194	<2	14	<10	6	4
100980	CL406154	<0.005	<1	0.29	11	821	<2	1	1.88	<4	3	20	8	1.36	0.04	<1	0.13	140	4	22	156	30	12	23	11	212	1262	<2	15	<10	5	7
100981	CL406155	<0.005	<1	4.17	8	693	<2	<1	1.75	<4	3	27	8	1.32	0.22	<1	0.17	119	3	40	196	19	8	37	10	205	1180	<2	14	<10	9	8
100982	CL406156	<0.005	<1	6.40	14	802	<2	2	2.28	<4	5	25	9	1.38	0.28	6	0.21	125	2	32	221	24	12	50	14	240	1281	<2	15	<10	11	1
100983	CL406157	0.237	<1	6.14	36	1153	3	3	3.45	4	19	102	2787	4.46	0.20	37	1.14	545	87	51	822	42	12	35	13	422	4592	<2	112	<10	17	73
100984	CL406158	<0.005	<1	5.18	17	715	<2	2	1.91	<4	5	20	11	1.22	0.19	1	0.17	109	2	29	177	20	11	32	<10	221	1157	<2	13	<10	10	3
100985	CL406159	<0.005	<1	7.18	15	674	<2	5	1.81	<4	5	28	11	1.33	0.28	<1	0.21	126	2	41	228	23	7	37	<10	235	1212	<2	14	<10	12	<1
100986	CL406160	<0.005	<1	>10.00	3	640	<2	2	2.14	<4	5	19	9	1.30	0.21	<1	0.28	120	1	27	352	13	13	53	<10	226	1274	<2	13	11	17	<1
100987D	CL406160	<0.005	<1	0.09	13	642	<2	5	1.58	<4	4	20	8	1.21	0.24	<1	0.12	119	<1	26	146	21	5	19	<10	206	1091	<2	13	<10	6	8
100988	CL406161	<0.005	<1	1.59	16	697	<2	2	1.67	<4	3	24	9	1.28	0.24	<1	0.14	124	2	30	194	21	9	28	10	217	1173	<2	14	<10	6	10
100989	CL406162	<0.005	<1	2.00	13	735	<2	2	1.60	<4	4	25	20	1.32	0.16	<1	0.15	134	2	37	219	28	8	23	<10	216	1227	<2	15	<10	6	13
100990	CL406163	<0.005	<1	4.71	17	882	<2	4	2.28	<4	7	30	36	1.63	0.19	<1	0.19	165	5	39	276	30	5	42	10	256	1380	<2	17	<10	5	13
100991	CL406164	0.007	<1	6.05	11	859	<2	4	2.41	<4	5	29	11	1.40	0.40	7	0.19	137	4	36	276	25	9	22	<10	263	1350	<2	16	<10	6	6

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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100992	CL406165	0.006	<1	4.30	12	737	<2	3	1.95	<4	5	25	11	1.39	<0.01	<1	0.18	136	3	32	210	27	10	35	<10	245	1268	<2	15	<10	8	5
100993	CL406166	0.006	<1	5.87	15	711	<2	2	1.95	<4	5	25	23	1.34	0.22	<1	0.20	144	3	37	222	23	14	39	12	218	1246	<2	15	14	9	2
100994	CL406167	0.008	<1	4.44	14	666	<2	6	1.63	<4	5	27	29	1.28	0.33	<1	0.18	125	2	42	191	20	8	25	11	187	1199	<2	14	10	9	4
100995	CL406168	<0.005	<1	>10.00	19	758	<2	3	2.55	<4	6	28	23	1.43	0.46	12	0.26	155	4	43	311	20	8	60	20	241	1397	<2	16	<10	14	6
100996	CL406169	<0.005	<1	3.89	18	524	2	1	3.27	4	21	61	23	4.50	0.44	7	1.06	695	7	121	1156	26	8	<5	13	469	4876	<2	93	<10	25	61
100997	CL406170	<0.005	<1	8.38	16	827	<2	4	2.35	<4	5	32	10	1.46	0.24	11	0.24	142	3	48	254	22	11	42	12	206	1377	<2	16	11	11	9
100998D	CL406170	<0.005	<1	6.03	28	810	<2	<1	2.20	<4	5	32	11	1.46	0.21	7	0.21	143	4	51	221	25	12	49	<10	201	1346	<2	16	<10	10	7
100999	CL406171	0.006	<1	3.41	17	649	<2	3	1.81	<4	4	22	19	1.27	0.13	<1	0.19	129	2	30	197	17	7	30	11	207	1154	<2	14	10	8	7
101000	CL406172	<0.005	<1	2.41	21	624	<2	4	1.65	<4	6	27	12	1.27	0.25	<1	0.21	116	3	49	196	27	17	36	11	191	1119	<2	14	14	7	8
101001	CL406173	0.006	<1	2.49	16	651	<2	4	1.51	<4	5	25	8	1.18	0.23	<1	0.14	100	3	37	213	17	7	28	<10	188	1111	<2	14	<10	7	2
101002	CL406174	<0.005	<1	3.49	15	701	<2	4	1.63	<4	5	25	7	1.27	0.19	<1	0.18	104	2	34	229	20	7	27	<10	198	1229	<2	15	<10	7	12
101003	CL406175	<0.005	<1	3.14	19	608	<2	5	1.65	<4	6	47	11	1.28	0.16	<1	0.48	145	3	56	238	19	7	18	<10	179	1249	<2	16	<10	6	8
101004	CL406176	<0.005	<1	3.03	18	618	<2	3	3.64	4	43	421	86	4.39	0.17	30	3.65	636	2	506	415	20	13	19	<10	210	3670	<2	71	<10	11	38
101005	CL406177	0.008	<1	5.84	10	819	<2	5	2.06	<4	5	31	9	1.50	0.18	4	0.20	134	5	52	227	21	6	33	11	246	1380	<2	16	<10	9	10
101006	CL406178	<0.005	<1	3.37	15	800	<2	2	1.90	<4	7	28	9	1.39	0.20	1	0.16	135	2	42	186	20	6	19	14	234	1314	<2	15	<10	8	3
101007	CL406179	0.006	<1	<0.01	15	698	<2	2	1.43	<4	6	25	35	1.28	0.44	<1	0.10	137	2	37	<100	25	9	6	10	231	1134	<2	15	12	6	7
101008	CL406180	<0.005	<1	4.84	39	746	<2	3	1.90	<4	4	29	65	1.40	0.30	5	0.19	143	3	67	194	30	14	39	<10	212	1270	<2	16	<10	9	20
101009R	CL406180	<0.005	<1	5.55	111	775	<2	7	2.25	<4	10	36	187	1.58	0.26	11	0.23	164	2	122	219	34	15	44	<10	224	1342	<2	20	<10	10	48
101010	CL406181	<0.005	<1	5.51	14	896	<2	1	2.25	<4	4	25	12	1.40	0.17	2	0.17	157	4	33	228	20	12	33	13	240	1366	<2	15	<10	8	47
101011	CL406182	1.442	<1	>10.00	32	781	<2	2	3.74	7	22	52	9509	7.75	0.56	28	2.04	567	542	24	1303	32	<5	71	30	564	3558	<2	149	10	20	107

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101012	CL406183	0.006	<1	>10.00	17	773	<2	2	2.49	<4	7	21	67	1.46	0.24	8	0.30	164	5	31	400	24	12	65	<10	223	1404	<2	14	13	16	7
101013	CL406184	<0.005	<1	>10.00	16	768	<2	2	2.29	<4	4	28	13	1.41	0.18	12	0.24	181	5	40	299	20	17	63	10	259	1402	<2	15	<10	17	21
101014	CL406185	<0.005	<1	2.46	15	560	<2	5	1.42	<4	5	23	8	1.18	0.23	<1	0.15	139	<1	35	137	26	10	18	10	208	1100	<2	12	11	9	8
101015	CL406186	<0.005	<1	>10.00	19	768	<2	3	2.26	<4	5	28	8	1.45	0.13	8	0.24	137	4	46	289	16	10	41	<10	243	1389	<2	15	<10	14	6
101016	CL406187	<0.005	<1	9.21	23	744	<2	3	2.02	<4	4	24	8	1.35	0.22	2	0.23	131	3	34	269	25	6	51	<10	228	1350	<2	14	10	12	5
101017	CL406188	0.007	<1	5.04	19	781	<2	3	2.12	<4	4	24	8	1.39	0.20	4	0.18	135	3	36	187	27	8	31	11	226	1327	<2	15	<10	10	10
101018	CL406189	0.007	<1	<0.01	12	660	<2	4	1.55	<4	4	27	8	1.32	0.49	<1	0.08	129	3	43	<100	26	12	5	<10	228	1156	<2	15	<10	5	4
101019	CL406190	0.005	<1	1.32	13	699	<2	4	1.79	<4	4	24	8	1.34	0.21	<1	0.13	126	2	36	147	19	9	8	<10	233	1268	<2	15	<10	6	11
101020D	CL406190	<0.005	<1	3.10	19	756	<2	1	1.79	<4	5	24	8	1.34	0.22	4	0.15	129	3	36	221	23	9	36	10	232	1296	<2	15	<10	7	12
101021	CL406191	<0.005	<1	2.70	14	789	<2	1	1.52	<4	3	23	9	1.29	0.13	<1	0.16	118	3	34	230	73	10	31	<10	201	1282	<2	15	12	6	82
101022	CL406192	0.017	<1	5.62	18	729	<2	4	2.40	<4	5	29	14	1.40	0.26	<1	0.18	158	5	48	219	90	14	35	<10	216	1288	<2	15	<10	9	104
101023	CL406193	<0.005	<1	>10.00	21	704	<2	2	2.16	<4	5	22	8	1.35	0.20	<1	0.27	123	2	28	347	19	9	52	14	241	1382	<2	14	<10	16	<1
101024	CL406194	<0.005	<1	>10.00	24	652	2	4	4.33	5	25	52	26	5.26	0.67	4	1.59	797	3	83	1930	27	6	39	14	569	6292	<2	109	<10	36	68
101025	CL406195	<0.005	<1	>10.00	21	865	<2	3	2.74	<4	6	25	24	1.55	0.35	6	0.30	138	5	31	417	23	14	65	20	263	1559	<2	16	11	16	<1
101026	CL406196	0.005	<1	5.39	11	703	<2	3	1.93	<4	18	20	263	1.97	0.15	5	0.18	136	3	35	195	160	8	35	13	220	1261	<2	14	<10	9	166
101027	CL406197	<0.005	<1	<0.01	13	854	<2	2	1.79	<4	5	20	10	1.36	0.37	<1	0.12	122	<1	27	117	26	12	17	<10	224	1297	<2	16	<10	6	15
101028	CL406198	<0.005	<1	9.93	19	741	<2	9	2.20	<4	5	25	8	1.42	0.17	3	0.23	132	3	39	287	20	8	61	12	245	1389	<2	14	<10	13	<1
101029	CL406199	0.006	<1	3.81	9	761	<2	3	1.94	<4	5	21	8	1.31	0.36	1	0.15	150	12	32	185	24	<5	38	13	225	1290	<2	14	<10	9	6
101030	CL406200	<0.005	<1	<0.01	17	741	<2	6	1.49	<4	4	26	7	1.26	0.36	<1	0.09	171	3	37	131	25	10	6	10	210	1198	<2	15	<10	7	8
101031D	CL406200	<0.005	<1	1.38	16	758	<2	3	1.64	<4	5	27	8	1.31	0.34	<1	0.13	173	2	39	193	24	8	23	<10	219	1299	<2	15	<10	8	13

PROCEDURE CODES: ALP2, ALFA1, ALMA1

Certified By:   
Dr. David Brown, VP QualityThe results included on this report relate only to the items tested.  
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Monday, December 2, 2013


### Final Certificate

Iamgold  
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Date Received: 11/14/2013  
Date Completed: 11/27/2013  
Job #: 201310910  
Reference: CL sample series  
Sample #: 219

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101032	CL406201	<0.005	<1	4.86	15	831	<2	4	1.93	<4	6	35	19	1.51	0.16	<1	0.20	184	8	56	250	18	7	23	<10	249	1359	<2	18	12	8	13
101033	CL406202	<0.005	<1	3.55	16	738	<2	4	1.63	<4	5	30	13	1.29	0.25	<1	0.15	150	3	42	241	18	12	21	12	222	1238	<2	14	<10	6	5
101034	CL406203	<0.005	<1	5.65	15	759	<2	5	1.93	<4	5	60	10	1.63	0.17	<1	0.19	139	10	110	224	18	13	31	<10	256	1345	<2	17	<10	10	1
101035	CL406204	0.006	<1	>10.00	8	810	2	3	2.43	<4	5	23	19	1.55	0.31	<1	0.27	138	<1	29	342	12	<5	49	<10	266	1543	<2	17	11	16	2
101036	CL406205	0.005	<1	>10.00	15	810	2	5	2.55	<4	6	40	35	1.66	0.32	<1	0.33	155	5	60	412	18	11	55	11	278	1517	<2	17	<10	18	<1
101037	CL406206	<0.005	<1	>10.00	23	948	2	3	2.76	<4	7	42	24	1.91	0.26	<1	0.54	205	5	66	573	16	<5	84	14	310	1829	<2	27	16	21	3
101038	CL406207	1.011	<1	>10.00	645	632	<2	5	6.20	9	46	191	99	9.52	0.59	3	3.69	2241	<1	134	2211	11	17	24	22	477	8271	<2	140	11	29	93
101039	CL406208	0.007	<1	5.72	16	744	2	4	2.17	<4	3	41	21	1.38	0.25	<1	0.21	180	4	65	225	19	9	41	<10	275	1293	<2	18	14	10	12
101040	CL406209	<0.005	<1	9.22	19	895	<2	2	1.87	<4	5	22	27	1.20	0.36	<1	0.29	135	2	29	284	23	15	51	<10	191	1389	<2	23	10	11	10
101041	CL406210	<0.005	<1	1.80	13	879	<2	3	1.45	<4	5	36	23	1.19	0.33	<1	0.14	127	4	58	169	31	7	26	<10	167	1296	<2	16	<10	6	7
101042D	CL406210	<0.005	<1	4.74	19	918	<2	7	1.57	<4	5	34	22	1.16	0.16	<1	0.18	125	4	51	224	23	12	29	14	172	1309	<2	15	10	7	5
101043	CL406211	0.007	<1	3.36	12	873	2	5	1.49	<4	5	32	40	1.02	0.22	<1	0.22	116	3	39	238	18	5	15	<10	169	1309	<2	17	<10	7	2
101044	CL406212	<0.005	<1	3.87	16	825	2	4	1.97	<4	10	55	21	2.18	0.24	<1	0.55	224	2	42	426	31	<5	31	13	215	1927	<2	44	<10	8	27
101045	CL406213	<0.005	<1	3.74	19	762	<2	3	1.60	<4	5	28	16	1.22	0.19	<1	0.16	122	4	39	232	34	11	38	<10	213	1294	<2	15	<10	7	4
101046	CL406214	0.007	<1	2.82	21	698	<2	4	1.78	<4	5	36	9	1.38	0.17	<1	0.14	141	6	52	186	30	13	39	11	252	1279	<2	15	<10	8	11
101047	CL406215	0.006	<1	4.44	11	855	<2	3	2.04	<4	5	22	8	1.46	0.17	<1	0.16	128	1	28	202	24	7	30	<10	244	1381	<2	16	<10	9	16
101048	CL406216	0.008	<1	7.04	17	850	<2	4	2.31	<4	5	40	17	1.44	0.19	<1	0.21	161	5	67	241	31	9	35	11	195	1349	<2	15	12	13	10
101049	CL406217	0.009	<1	>10.00	15	756	<2	4	2.36	<4	6	30	15	1.36	0.27	<1	0.31	132	5	48	389	27	9	73	10	218	1456	<2	14	13	18	<1
101050	CL406218	<0.005	<1	>10.00	18	737	<2	4	3.47	<4	16	48	57	3.52	0.33	<1	1.11	494	2	46	473	21	14	48	12	227	2899	<2	80	14	20	19
101051	CL406219	<0.005	<1	>10.00	16	624	2	3	4.40	5	23	49	24	5.28	0.38	<1	1.79	787	2	72	2123	20	8	46	16	571	6202	<2	107	<10	46	52

PROCEDURE CODES: ALP2, ALFA1, ALMA1

Certified By:   
Dr. David Brown, VP Quality

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Friday, November 29, 2013


### Final Certificate

 iamgold  
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 Gogama, ON, CAN  
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 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
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 Date Received: 11/14/2013  
 Date Completed: 11/26/2013  
 Job #: 201310911  
 Reference: CL sample series  
 Sample #: 150

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101052	CL1071351	0.016	<1	<0.01	<2	<1	2	3	0.41	4	8	35	28	2.06	0.05	<1	0.36	253	2	44	202	9	6	6	<10	236	2204	<2	25	<10	10	7
101053	CL1071352	0.012	<1	<0.01	5	<1	2	1	0.26	<4	7	35	31	1.77	0.18	<1	0.40	244	1	35	255	11	<5	5	<10	225	2157	<2	21	<10	11	7
101054	CL1071353	0.025	<1	<0.01	6	<1	2	<1	0.06	<4	7	31	48	2.01	0.02	<1	0.42	242	6	34	264	44	<5	<5	<10	215	2332	<2	25	<10	12	21
101055	CL1071354	0.022	<1	1.72	7	<1	2	<1	0.30	<4	7	33	26	1.95	0.02	<1	0.50	235	2	41	253	8	<5	<5	<10	211	2246	<2	23	<10	17	7
101056	CL1071355	0.030	<1	<0.01	12	<1	2	7	<0.01	<4	6	26	27	1.85	0.15	34	0.51	236	<1	57	278	7	<5	31	<10	193	2071	<2	22	<10	14	23
101057	CL1071356	0.032	<1	<0.01	13	<1	2	16	0.34	<4	6	34	27	1.77	0.15	41	0.48	277	<1	40	169	15	<5	28	<10	205	2101	<2	21	<10	14	24
101058	CL1071357	1.056	<1	1.29	628	<1	2	27	3.67	15	50	184	93	9.80	0.03	42	3.10	2541	<1	134	1766	15	8	19	<10	418	8519	<2	148	<10	18	123
101059	CL1071358	0.017	<1	<0.01	12	<1	2	9	0.84	8	13	95	41	4.46	<0.01	<1	1.09	489	<1	68	198	9	<5	<5	<10	220	3219	<2	44	<10	11	40
101060	CL1071359	0.030	<1	<0.01	2	<1	2	9	0.49	4	8	29	32	2.15	<0.01	<1	0.51	277	3	33	157	11	<5	<5	<10	234	2101	<2	23	<10	13	11
101061	CL1071360	0.029	<1	<0.01	3	<1	2	10	0.34	4	7	33	86	2.10	<0.01	<1	0.45	264	2	36	156	9	<5	<5	<10	219	1989	<2	23	<10	11	10
101062D	CL1071360	0.031	<1	<0.01	6	<1	2	<1	0.16	<4	6	30	83	2.01	<0.01	<1	0.40	258	3	34	153	11	5	5	<10	208	1890	<2	22	<10	12	9
101063	CL1071361	<0.005	<1	<0.01	3	<1	2	6	<0.01	<4	7	26	125	1.87	0.01	<1	0.42	197	11	25	181	44	<5	<5	<10	165	1532	<2	23	10	10	37
101064	CL1071362	<0.005	<1	<0.01	<2	<1	2	3	<0.01	<4	3	38	77	1.53	<0.01	<1	0.35	162	6	52	142	20	<5	<5	<10	165	1243	<2	17	<10	7	19
101065	CL1071363	0.011	<1	<0.01	4	<1	2	<1	<0.01	<4	7	52	103	1.79	<0.01	<1	0.34	211	9	60	164	9	5	<5	<10	174	1495	<2	20	<10	7	6
101066	CL1071364	0.062	<1	0.28	4	<1	2	9	<0.01	<4	6	34	63	1.85	<0.01	<1	0.45	234	4	41	248	8	<5	<5	<10	189	1963	<2	24	<10	11	6
101067	CL1071365	0.456	<1	0.34	3	<1	2	<1	<0.01	4	9	35	130	2.22	<0.01	<1	0.43	207	6	46	265	44	<5	<5	<10	164	1766	<2	26	<10	8	39
101068	CL1071366	0.548	<1	2.83	7	<1	2	<1	<0.01	4	18	37	123	2.18	<0.01	<1	0.55	212	9	50	268	23	<5	<5	<10	158	1745	<2	29	21	10	22
101069	CL1071367	0.157	<1	1.77	3	<1	2	<1	0.13	7	12	30	287	3.54	<0.01	<1	0.57	262	13	46	198	134	<5	7	<10	156	1783	<2	31	47	10	110
101070	CL1071368	0.036	<1	<0.01	7	<1	2	12	0.24	4	9	46	75	2.33	<0.01	<1	0.50	285	8	48	173	28	<5	<5	<10	200	2170	<2	31	11	9	37
101071	CL1071369	0.018	<1	0.53	<2	236	4	9	3.64	13	32	60	32	7.27	<0.01	2	1.25	1145	8	93	1410	23	<5	<5	<10	786	7541	<2	145	<10	22	94

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By:   
 Dr. David Brown, VP Quality

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Friday, November 29, 2013


## Final Certificate

Iamgold  
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Gogama, ON, CAN  
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Date Received: 11/14/2013  
Date Completed: 11/26/2013  
Job #: 201310911  
Reference: CL sample series  
Sample #: 150

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101072	CL1071370	0.038	<1	<0.01	<2	<1	2	7	0.15	4	9	41	97	2.34	<0.01	<1	0.52	275	16	41	120	52	<5	<5	<10	202	2321	<2	32	16	10	41
101073D	CL1071370	0.058	<1	<0.01	5	<1	2	<1	0.11	4	9	39	96	2.29	<0.01	<1	0.51	266	16	41	119	43	<5	<5	<10	200	2221	<2	31	<10	9	40
101074	CL1071371	0.638	<1	<0.01	6	<1	2	13	<0.01	5	16	43	187	3.13	<0.01	<1	0.56	279	8	53	106	27	<5	5	<10	184	2104	<2	33	<10	9	22
101075	CL1071372	0.169	<1	0.45	3	<1	2	10	0.32	4	7	45	47	2.07	<0.01	<1	0.56	282	11	54	128	32	<5	<5	<10	223	2237	<2	28	<10	13	26
101076	CL1071373	0.027	<1	<0.01	3	<1	2	2	<0.01	4	7	35	54	2.04	<0.01	<1	0.46	253	7	37	139	50	<5	8	<10	205	2229	<2	24	<10	12	34
101077	CL1071374	0.052	<1	<0.01	4	<1	2	<1	<0.01	<4	7	33	48	1.96	<0.01	<1	0.39	246	4	42	185	35	<5	<5	<10	196	2159	<2	22	<10	11	26
101078	CL1071375	0.122	<1	<0.01	4	<1	2	<1	<0.01	<4	7	34	88	2.06	<0.01	<1	0.45	267	6	44	237	13	<5	<5	<10	205	2263	<2	21	<10	13	25
101079	CL1071376	0.199	<1	1.22	8	<1	2	<1	<0.01	<4	9	43	396	1.95	<0.01	<1	0.53	244	4	60	258	13	<5	<5	<10	200	2295	<2	24	<10	14	12
101080	CL1071377	0.073	<1	0.34	17	<1	<2	1	2.86	14	43	210	121	7.66	<0.01	10	2.64	909	<1	164	433	13	<5	<5	<10	296	5431	<2	112	12	9	58
101081	CL1071378	0.028	<1	2.04	12	<1	<2	11	4.42	15	42	257	31	8.43	<0.01	16	3.36	1113	<1	183	465	9	<5	<5	<10	345	6323	<2	130	<10	13	66
101082	CL1071379	0.232	<1	<0.01	12	<1	<2	7	3.74	15	48	262	150	8.28	0.13	7	2.92	1135	11	163	448	6	5	<5	<10	361	6072	<2	125	<10	9	63
101083	CL1071380	0.054	<1	2.44	<2	<1	<2	9	3.71	16	38	277	60	8.80	<0.01	7	3.17	1102	<1	150	486	12	<5	<5	<10	361	6500	<2	133	<10	14	63
101084D	CL1071380	0.044	<1	3.69	3	<1	<2	9	3.92	17	37	283	63	8.89	<0.01	10	3.24	1102	<1	152	494	11	8	<5	<10	369	6517	<2	132	10	16	69
101085	CL1071381	0.242	<1	1.58	19	529	4	6	1.44	10	24	91	3259	5.35	<0.01	10	1.32	672	111	39	924	25	<5	10	<10	466	5290	<2	128	<10	16	94
101086	CL1071382	0.029	<1	4.85	4	<1	<2	8	2.52	10	25	159	36	5.48	0.30	<1	2.67	791	<1	89	380	1	<5	9	<10	229	4615	<2	87	<10	18	38
101087	CL1071383	0.173	<1	4.67	27	<1	<2	<1	3.63	15	40	217	97	7.81	<0.01	11	2.90	1101	<1	136	445	7	<5	<5	<10	342	6307	<2	120	17	15	180
101088	CL1071384	0.896	<1	2.84	3	<1	<2	15	1.84	13	26	179	161	6.86	0.07	8	2.33	911	56	88	553	12	<5	<5	<10	236	5121	<2	95	<10	12	152
101089	CL1071385	0.622	<1	0.83	51	<1	<2	14	3.23	14	36	203	83	7.77	<0.01	22	2.86	1429	<1	131	583	17	<5	<5	<10	223	5822	<2	107	<10	11	253
101090	CL1071386	0.500	<1	<0.01	153	<1	2	18	2.70	16	29	180	310	8.29	<0.01	41	3.22	1610	<1	115	942	9	<5	<5	<10	184	4793	<2	109	<10	9	161
101091	CL1071387	2.489	<1	<0.01	128	<1	<2	23	3.37	12	35	195	29	6.58	<0.01	9	2.44	1779	3	95	510	7	<5	<5	<10	206	4444	<2	112	<10	8	181

PROCEDURE CODES: ALP2, ALFA1, ALMA1

Certified By:   
Dr. David Brown, VP Quality

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Friday, November 29, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 11/26/2013  
 Job #: 201310911  
 Reference: CL sample series  
 Sample #: 150

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	TI ppm	V ppm	W ppm	Y ppm	Zn ppm
101092	CL1071388	0.440	<1	<0.01	909	<1	2	1	2.80	11	29	187	84	5.92	<0.01	<1	1.57	1156	<1	64	681	9	<5	<5	<10	273	5730	<2	95	<10	13	113
101093	CL1071389	1.885	<1	<0.01	478	<1	2	<1	2.75	11	39	210	151	5.88	<0.01	<1	1.58	1051	<1	61	742	8	<5	<5	<10	278	5976	<2	106	<10	13	144
101094	CL1071390	0.170	<1	<0.01	106	<1	<2	18	3.57	13	30	273	166	7.23	0.04	4	2.30	1013	<1	63	579	12	<5	<5	<10	322	5893	<2	143	<10	10	100
101095D	CL1071390	0.158	<1	5.18	114	<1	<2	10	3.76	13	29	262	165	7.25	<0.01	5	2.74	986	<1	61	586	6	<5	11	<10	332	5811	<2	142	<10	17	95
101096	CL1071391	0.446	<1	1.45	18	<1	<2	13	0.95	16	33	228	75	8.99	<0.01	17	2.56	763	<1	64	568	14	<5	<5	<10	295	6315	<2	153	<10	10	77
101097	CL1071392	0.155	<1	2.63	17	<1	<2	<1	1.74	17	33	190	71	9.25	<0.01	12	2.68	809	<1	66	554	10	<5	<5	<10	304	5904	2	149	<10	14	60
101098	CL1071393	0.020	<1	1.60	2	101	3	3	2.47	11	28	24	26	5.88	<0.01	<1	1.12	942	<1	37	1490	16	5	6	<10	631	6508	<2	123	<10	18	98
101099	CL1071394	0.070	<1	3.67	11	<1	2	15	4.29	18	31	167	163	9.75	<0.01	7	2.97	1103	<1	52	596	7	<5	<5	<10	362	6724	<2	178	<10	25	92
101100	CL1071395	0.031	<1	2.71	24	<1	2	4	5.24	16	40	111	144	8.87	0.07	<1	3.01	1135	<1	60	1912	13	5	<5	<10	526	5794	<2	162	<10	24	58
101101	CL1071396	0.013	<1	1.55	14	<1	2	19	4.57	17	39	87	97	9.13	<0.01	<1	2.96	1154	<1	57	1766	3	<5	<5	<10	455	5892	<2	164	<10	20	68
101102	CL1071397	0.100	<1	<0.01	19	<1	2	22	5.41	15	34	64	240	7.76	0.04	<1	2.67	1017	<1	52	2404	17	<5	<5	<10	228	3900	<2	132	<10	11	240
101103	CL1071398	0.412	<1	1.10	21	<1	<2	12	1.23	19	48	67	624	10.05	<0.01	9	2.83	1056	<1	47	727	9	<5	<5	<10	261	7720	<2	186	<10	15	97
101104	CL1071399	1.369	<1	<0.01	7	<1	<2	9	6.33	12	29	40	2614	6.10	<0.01	<1	1.49	1030	<1	46	336	12	<5	<5	<10	224	3570	<2	108	12	7	76
101105	CL1071400	0.010	<1	<0.01	22	<1	<2	13	4.31	14	40	33	153	7.21	0.16	<1	2.08	1154	<1	40	576	8	<5	<5	<10	381	6073	<2	162	<10	8	58
101106D	CL1071400	0.027	<1	<0.01	13	<1	<2	<1	4.30	13	39	30	152	7.14	0.10	<1	1.98	1113	<1	38	572	12	<5	<5	<10	385	5952	<2	163	<10	10	57
101107	CL1071401	0.282	<1	<0.01	16	<1	<2	16	3.70	13	35	23	197	7.03	0.07	<1	1.91	1046	<1	42	574	7	<5	7	<10	345	6061	<2	147	<10	11	59
101108	CL1071402	1.093	<1	<0.01	<2	<1	2	9	2.38	8	21	11	1236	4.12	0.02	<1	0.73	558	15	38	1621	4	<5	<5	11	302	7181	<2	64	<10	22	39
101109	CL1071403	0.463	<1	<0.01	5	<1	2	16	1.85	8	20	11	842	4.41	0.11	<1	0.79	561	<1	32	1584	11	<5	<5	<10	287	6198	<2	91	<10	16	36
101110	CL1071404	0.095	<1	2.67	6	<1	2	5	3.32	12	25	20	253	6.76	0.03	<1	1.51	719	<1	47	478	4	<5	<5	<10	404	5917	<2	206	<10	13	45
101111	CL1071405	1.495	<1	>10.00	9	126	2	14	2.00	17	26	41	10762	9.20	0.34	<1	2.27	676	708	18	1281	16	<5	8	<10	677	3926	<2	167	<10	24	87

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Friday, November 29, 2013

**Final Certificate**Iamgold  
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Gogama, ON, CAN  
POM1W0  
Ph#: (416) 363-8567  
Fax#: (416) 216-8535  
Email: Alan\_Smith@iamgold.comDate Received: 11/14/2013  
Date Completed: 11/26/2013  
Job #: 201310911  
Reference: CL sample series  
Sample #: 150

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101112	CL1071406	0.241	<1	>10.00	13	<1	2	11	3.84	15	30	4	1093	8.12	0.45	8	2.39	813	<1	47	531	5	<5	<5	<10	391	6652	<2	227	<10	26	58
101113	CL1071407	12.693	<1	>10.00	5	<1	2	15	6.16	14	25	6	258	7.44	0.64	6	2.34	975	<1	38	498	7	<5	7	<10	259	6050	<2	190	<10	27	49
101114	CL1071408	1.121	<1	>10.00	10	73	2	6	3.00	16	29	62	289	8.53	0.54	10	2.89	850	5	51	613	<1	5	<5	<10	253	6861	<2	200	16	33	49
101115	CL1071409	0.166	<1	7.83	15	<1	<2	3	2.19	11	22	22	298	6.28	0.65	<1	2.03	574	<1	47	491	2	<5	<5	<10	286	5869	<2	183	<10	25	32
101116	CL1071410	0.292	<1	<0.01	10	<1	2	13	3.04	13	30	11	204	7.41	<0.01	<1	1.03	672	7	53	425	15	<5	<5	<10	344	6443	<2	210	<10	10	42
101117R	CL1071410	0.287	<1	<0.01	14	<1	2	8	2.82	13	30	6	207	7.23	<0.01	<1	1.04	652	3	42	440	14	<5	<5	<10	339	6370	<2	202	<10	9	41
101118	CL1071411	0.349	<1	<0.01	10	<1	<2	34	2.73	14	29	17	733	7.74	0.09	<1	1.17	654	4	58	365	9	<5	7	<10	312	5769	<2	189	<10	9	49
101119	CL1071412	0.114	<1	1.02	7	<1	<2	9	3.13	16	30	116	225	8.70	0.03	7	1.63	735	71	55	529	9	<5	<5	<10	315	6494	<2	203	<10	16	45
101120	CL1071413	0.685	<1	3.04	7	<1	<2	19	1.62	20	34	340	19	11.16	<0.01	22	2.47	815	15	63	946	13	6	<5	<10	250	6589	<2	253	<10	15	71
101121	CL1071414	0.473	<1	3.29	8	<1	<2	12	4.29	16	26	108	9	8.59	<0.01	4	2.00	915	358	44	658	5	<5	<5	<10	292	6134	<2	202	<10	18	43
101122	CL1071415	0.038	<1	2.26	<2	<1	2	11	2.91	18	37	84	163	9.98	<0.01	<1	1.67	1019	13	47	751	10	<5	<5	<10	274	7627	<2	222	<10	17	71
101123	CL1071416	0.080	<1	>10.00	<2	<1	<2	10	3.99	16	28	110	13	8.85	0.50	<1	2.53	770	7	59	598	3	<5	10	<10	305	5954	<2	152	<10	30	29
101124	CL1071417	0.014	<1	2.62	6	103	4	9	3.18	12	30	48	28	6.71	<0.01	<1	1.38	1030	6	78	1593	17	<5	<5	<10	737	7177	<2	136	<10	24	83
101125	CL1071418	0.098	<1	>10.00	6	<1	<2	13	4.00	17	34	111	37	9.21	0.22	<1	2.75	769	3	55	616	5	7	<5	<10	304	6396	<2	159	<10	29	36
101126	CL1071419	0.065	<1	>10.00	15	<1	<2	3	4.95	17	33	120	10	9.65	0.22	7	3.01	847	<1	61	596	9	<5	<5	<10	314	6523	<2	168	<10	33	33
101127	CL1071420	0.040	<1	>10.00	4	<1	<2	26	4.66	17	33	123	241	9.35	0.32	<1	2.92	841	1	66	696	4	5	5	<10	306	6328	<2	166	<10	34	33
101128D	CL1071420	0.025	<1	>10.00	3	<1	<2	10	4.52	17	32	123	243	9.37	0.57	2	2.86	832	<1	68	698	5	<5	<5	<10	303	6229	<2	165	<10	34	37
101129	CL1071421	0.038	<1	>10.00	2	<1	<2	19	4.61	15	29	52	12	8.52	0.79	<1	2.73	747	<1	55	657	3	<5	5	<10	335	6331	<2	160	<10	34	29
101130	CL1071422	0.246	<1	5.00	3	<1	2	12	3.84	17	35	36	79	9.11	0.01	<1	2.06	885	<1	51	698	6	<5	6	<10	308	7236	<2	192	<10	22	46
101131	CL1071423	0.052	<1	3.68	6	<1	2	5	3.93	19	39	59	54	9.94	<0.01	<1	1.99	1064	<1	56	715	8	<5	<5	<10	295	7838	<2	213	<10	21	55

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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iamgold  
Chester 1 Camp, 3 Mesomikenda Lake Rd  
Gogama, ON, CAN  
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Ph#: (416) 363-8567  
Fax#: (416) 216-8535  
Email: Alan\_Smith@iamgold.com

Date Received: 11/14/2013  
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Reference: CL sample series  
Sample #: 150

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101132	CL1071424	0.055	<1	4.14	5	<1	<2	18	3.46	15	30	69	90	8.19	<0.01	<1	2.08	767	2	41	566	7	<5	<5	<10	286	6422	<2	168	<10	19	35
101133	CL1071425	0.320	<1	3.87	4	<1	<2	10	3.74	15	30	74	262	8.17	<0.01	<1	2.01	794	7	49	554	5	<5	<5	<10	279	6551	<2	173	<10	18	29
101134	CL1071426	0.179	<1	2.25	4	<1	<2	36	2.93	12	31	69	235	7.69	0.10	42	2.06	774	15	81	516	3	6	22	<10	234	6599	<2	178	<10	19	44
101135	CL1071427	0.306	<1	0.91	3	<1	<2	19	3.05	13	31	72	295	8.32	0.09	48	2.12	793	6	73	460	10	7	12	<10	258	6765	<2	190	<10	21	52
101136	CL1071428	0.288	<1	>10.00	13	<1	<2	28	3.81	15	35	88	223	9.52	0.38	69	3.21	867	3	83	598	6	9	30	13	286	7661	<2	212	<10	48	64
101137	CL1071429	2.271	<1	1.62	1401	61	2	35	3.66	20	46	165	143	12.33	<0.01	47	2.86	4238	<1	128	2197	18	7	<5	<10	394	7689	5	154	<10	19	140
101138	CL1071430	0.219	<1	6.49	5	<1	<2	27	2.73	10	28	51	58	6.90	0.39	41	2.52	723	<1	42	510	7	5	25	12	202	5464	<2	150	<10	40	45
101139D	CL1071430	0.227	<1	>10.00	2	<1	<2	37	3.90	13	34	69	73	8.52	0.32	58	2.97	884	<1	58	612	7	<5	27	12	250	6858	<2	183	<10	48	51
101140	CL1071431	0.206	<1	>10.00	18	<1	<2	36	5.16	12	38	80	69	7.62	0.20	48	3.05	1102	<1	69	501	10	<5	43	<10	319	6589	6	209	<10	31	58
101141	CL1071432	2.146	<1	<0.01	8	<1	2	19	<0.01	<4	6	23	42	1.54	<0.01	37	0.48	197	43	41	187	14	6	45	<10	156	2314	<2	22	<10	16	25
101142	CL1071433	<0.005	<1	<0.01	3	<1	3	12	<0.01	<4	6	32	24	1.50	0.10	38	0.45	203	13	43	189	10	<5	35	<10	177	2377	<2	15	<10	14	40
101143	CL1071434	0.102	<1	<0.01	5	<1	3	20	<0.01	<4	6	29	124	1.43	<0.01	35	0.39	178	18	49	177	12	<5	33	<10	167	2168	<2	15	<10	12	22
101144	CL1071435	0.042	<1	1.23	3	<1	2	21	<0.01	<4	6	44	48	1.34	<0.01	32	0.47	163	14	87	219	6	<5	36	<10	167	2102	<2	15	<10	16	20
101145	CL1071436	0.088	<1	1.98	8	<1	2	20	<0.01	<4	6	41	39	1.22	0.05	25	0.51	173	11	82	227	10	<5	43	<10	158	2106	<2	14	<10	16	20
101146	CL1071437	0.021	<1	2.76	8	<1	2	20	<0.01	<4	5	25	27	1.53	<0.01	27	0.61	193	5	68	293	8	6	41	<10	152	1949	<2	18	<10	15	16
101147	CL1071438	0.080	<1	<0.01	10	<1	2	21	<0.01	<4	6	31	60	1.48	0.24	31	0.46	209	7	67	212	14	<5	42	<10	180	2174	<2	19	<10	10	20
101148	CL1071439	0.045	<1	<0.01	12	<1	2	17	<0.01	<4	8	28	54	1.65	0.24	32	0.51	213	1	41	233	9	<5	40	<10	184	2189	<2	24	<10	9	18
101149	CL1071440	0.017	<1	3.06	8	<1	<2	38	4.60	18	53	84	58	11.41	0.19	43	3.02	1387	<1	80	449	10	<5	20	<10	257	9495	10	381	<10	25	78
101150D	CL1071440	<0.005	<1	2.74	10	<1	<2	35	4.32	18	52	80	54	10.89	0.17	44	2.92	1321	<1	79	429	5	8	<5	15	237	8805	7	364	<10	24	80
101151	CL1071441	<0.005	<1	<0.01	2	188	3	29	2.97	11	33	30	24	6.52	0.11	48	1.32	1075	<1	54	1222	19	<5	15	<10	635	7230	<2	145	<10	21	109

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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101152	CL1071442	0.032	<1	3.04	5	<1	<2	36	5.60	21	76	3	151	13.22	0.15	41	3.02	1753	<1	93	414	12	9	15	<10	281	14121	4	732	<10	16	85
101153	CL1071443	0.038	<1	<0.01	6	<1	2	28	3.29	15	45	9	93	9.34	0.20	40	1.68	1319	<1	37	480	11	5	<5	<10	229	10251	<2	406	<10	16	92
101154	CL1071444	0.045	<1	<0.01	4	<1	2	22	3.72	17	45	<1	69	9.95	0.31	31	1.49	1395	<1	22	684	10	<5	10	<10	242	11315	<2	364	<10	14	82
101155	CL1071445	0.049	<1	<0.01	<2	<1	2	15	3.03	14	39	<1	165	8.68	0.23	35	1.14	1172	<1	21	668	15	<5	<5	<10	203	10562	<2	223	<10	12	61
101156	CL1071446	0.030	<1	<0.01	<2	<1	2	28	3.23	16	45	5	237	9.29	0.16	33	1.05	1334	<1	21	861	17	<5	<5	<10	244	13511	<2	138	<10	13	62
101157	CL1071447	0.055	<1	<0.01	6	<1	2	15	2.96	13	34	3	205	8.02	0.19	29	0.89	1005	<1	30	1224	13	<5	11	<10	241	10322	<2	65	<10	17	48
101158	CL1071448	0.032	<1	<0.01	3	<1	2	14	2.14	9	24	7	33	5.74	0.03	29	0.55	646	1	30	1336	15	<5	18	10	231	7290	<2	19	<10	17	37
101159	CL1071449	0.141	<1	<0.01	3	<1	2	18	1.17	6	16	14	226	4.21	<0.01	30	0.42	446	<1	34	714	17	<5	9	<10	248	4772	<2	12	<10	14	33
101160	CL1071450	0.078	<1	<0.01	6	<1	2	17	1.21	8	19	12	33	4.82	0.22	33	0.48	517	3	37	1012	10	<5	13	<10	211	5860	<2	14	<10	14	34
101161D	CL1071450	0.081	<1	<0.01	6	<1	2	20	1.32	8	20	11	33	4.94	0.25	31	0.51	533	4	40	1100	16	<5	14	<10	226	6182	<2	15	<10	14	31
101162	CL1071451	0.023	<1	<0.01	3	<1	2	18	0.90	7	19	17	18	4.19	0.46	29	0.54	480	1	33	918	11	5	15	15	202	5725	<2	26	<10	17	29
101163	CL1071452	0.087	<1	<0.01	4	<1	2	8	1.02	7	19	19	23	4.46	0.20	30	0.50	496	2	40	697	14	<5	18	10	187	5753	<2	34	<10	13	34
101164	CL1071453	1.047	<1	1.03	588	<1	2	21	3.33	16	50	175	87	9.40	0.11	29	2.87	2437	<1	142	1816	15	10	18	<10	404	8359	<2	144	<10	15	111
101165	CL1071454	0.276	<1	<0.01	8	<1	2	16	1.03	7	17	28	70	4.39	0.19	23	0.52	505	<1	32	592	11	<5	16	11	208	5534	<2	35	<10	18	28
101166	CL1071455	0.110	<1	<0.01	6	<1	2	11	0.76	6	13	25	72	3.57	0.14	25	0.42	464	<1	37	330	10	<5	13	<10	190	3832	<2	34	<10	15	33
101167	CL1071456	0.183	<1	<0.01	6	<1	2	16	0.97	8	16	37	15	4.81	0.09	33	0.54	513	<1	35	318	20	<5	<5	<10	187	3450	<2	46	<10	17	104
101168	CL1071457	0.049	<1	<0.01	6	<1	2	13	0.27	5	13	25	44	3.36	<0.01	31	0.36	351	<1	41	262	16	7	11	<10	201	3037	<2	24	<10	15	36
101169	CL1071458	0.047	<1	<0.01	2	<1	2	9	<0.01	4	9	19	152	2.41	0.16	26	0.31	274	<1	37	198	10	<5	20	<10	183	2372	<2	15	<10	12	30
101170	CL1071459	0.038	<1	<0.01	5	<1	2	10	<0.01	<4	8	17	39	2.28	0.14	22	0.29	279	<1	30	146	16	<5	20	<10	170	2044	<2	12	<10	11	27
101171	CL1071460	0.020	<1	<0.01	3	<1	2	5	<0.01	4	7	27	48	2.49	<0.01	24	0.25	281	<1	55	146	15	<5	12	<10	166	2017	<2	12	<10	11	26

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Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101172D	CL1071460	0.014	<1	<0.01	<2	<1	2	11	<0.01	4	8	26	48	2.46	0.02	20	0.25	274	<1	49	151	13	<5	8	<10	165	1992	<2	12	<10	10	28
101173	CL1071461	0.013	<1	<0.01	10	<1	2	11	<0.01	<4	7	22	37	2.29	0.18	17	0.31	243	<1	37	180	9	<5	18	<10	177	2057	<2	11	<10	9	26
101174	CL1071462	0.090	<1	<0.01	4	<1	2	10	<0.01	<4	8	17	75	2.22	0.11	19	0.41	260	<1	37	229	7	5	33	<10	179	2110	<2	13	<10	15	22
101175	CL1071463	0.097	<1	<0.01	<2	<1	2	17	<0.01	<4	6	26	39	2.01	0.23	16	0.32	245	<1	45	198	10	<5	15	<10	149	1874	<2	11	<10	11	21
101176	CL1071464	0.046	<1	<0.01	6	<1	2	17	<0.01	<4	7	22	58	2.00	0.11	19	0.43	242	<1	46	225	5	5	21	<10	168	1954	<2	12	<10	17	26
101177	CL1071465	0.024	<1	<0.01	2	157	4	15	2.49	9	27	39	25	5.77	0.06	51	0.89	973	3	71	1095	17	5	10	<10	601	6121	<2	123	<10	14	94
101178	CL1071466	0.024	<1	<0.01	<2	<1	2	20	<0.01	<4	7	17	17	1.87	<0.01	3	0.29	209	<1	31	121	7	<5	20	<10	142	1445	<2	11	<10	13	29
101179	CL1071467	0.022	<1	<0.01	3	<1	2	5	<0.01	<4	6	36	36	2.02	0.13	15	0.27	212	3	67	122	12	<5	16	<10	159	1455	<2	12	<10	11	41
101180	CL1071468	0.072	<1	<0.01	5	<1	2	10	<0.01	<4	8	20	461	2.15	0.33	13	0.25	222	<1	36	121	18	<5	18	<10	156	1351	<2	11	<10	9	54
101181	CL1071469	0.127	<1	<0.01	3	<1	2	5	<0.01	4	9	41	676	2.27	0.14	18	0.25	227	1	57	116	11	<5	18	<10	162	1751	<2	11	<10	11	41
101182	CL1071470	0.084	<1	<0.01	4	3	2	11	<0.01	<4	10	22	186	2.18	0.17	17	0.27	228	1	47	120	20	<5	11	<10	179	1802	<2	12	<10	11	46
101183R	CL1071470	0.057	<1	<0.01	6	<1	2	9	<0.01	4	11	50	194	2.29	0.15	17	0.26	225	5	81	122	16	<5	21	<10	164	1756	<2	12	<10	11	46
101184	CL1071471	0.009	<1	<0.01	3	5	2	22	<0.01	<4	7	13	59	2.03	0.26	18	0.25	233	<1	42	129	13	<5	18	<10	172	1853	<2	11	<10	9	31
101185	CL1071472	0.026	<1	<0.01	4	<1	2	5	<0.01	<4	5	8	92	1.85	0.36	17	0.30	198	<1	37	149	14	<5	17	<10	133	1283	<2	10	<10	8	22
101186	CL1071473	0.031	<1	<0.01	4	<1	2	18	<0.01	<4	4	11	78	1.73	0.23	16	0.36	214	<1	44	182	10	<5	29	<10	144	1412	<2	12	<10	7	15
101187	CL1071474	0.221	<1	<0.01	4	<1	2	39	<0.01	<4	6	8	617	1.90	0.17	15	0.42	195	<1	43	187	14	7	40	11	114	1309	<2	14	<10	12	15
101188	CL1071475	0.063	<1	<0.01	5	<1	2	<1	<0.01	<4	6	7	284	1.97	0.40	15	0.36	218	<1	34	144	13	<5	22	<10	156	1219	<2	11	<10	9	16
101189	CL1071476	0.158	<1	<0.01	2	<1	2	9	<0.01	<4	6	8	903	1.92	0.19	13	0.29	226	<1	32	117	15	<5	14	<10	159	1282	<2	11	<10	8	16
101190	CL1071477	0.245	<1	<0.01	26	425	4	10	0.73	7	21	87	2883	4.62	0.04	44	1.10	609	89	43	838	25	7	11	<10	384	4718	<2	116	<10	12	79
101191	CL1071478	0.518	<1	<0.01	11	436	<2	<1	1.21	<4	7	27	475	1.75	0.51	12	0.08	168	1	33	<100	29	<5	15	<10	199	1256	<2	12	<10	6	14

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Dr. David Brown, VP Quality

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Friday, November 29, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 11/26/2013  
 Job #: 201310911  
 Reference: CL sample series  
 Sample #: 150

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101192	CL1071479	0.131	<1	<0.01	7	369	2	15	1.14	<4	6	29	140	1.75	0.46	11	0.11	165	2	41	<100	24	<5	21	<10	179	1206	<2	12	<10	6	11
101193	CL1071480	0.005	<1	<0.01	7	438	2	2	1.45	<4	6	26	96	1.79	0.28	14	0.10	154	2	32	<100	30	5	19	<10	198	1247	<2	12	<10	8	14
101194D	CL1071480	0.038	<1	<0.01	11	469	2	11	1.52	<4	6	29	101	1.83	0.14	11	0.10	156	2	31	<100	30	<5	20	10	204	1311	<2	13	<10	8	8
101195	CL1071481	0.099	<1	<0.01	7	398	2	6	1.23	<4	6	28	423	1.58	0.23	11	0.09	147	1	33	<100	29	<5	17	<10	205	1159	<2	12	<10	7	13
101196	CL1071482	0.020	<1	<0.01	10	375	<2	13	0.86	<4	5	43	67	1.81	0.26	9	0.11	157	5	70	<100	27	<5	12	<10	180	1139	<2	13	<10	4	17
101197	CL1071483	0.121	<1	<0.01	9	466	<2	9	1.36	<4	7	33	377	1.94	0.21	12	0.15	246	2	47	146	29	<5	20	<10	184	1416	<2	15	<10	4	19
101198	CL1071484	0.110	<1	<0.01	10	488	2	11	0.99	4	6	51	164	2.63	0.06	15	0.28	233	7	91	219	24	<5	19	<10	175	1621	<2	18	<10	6	41
101199	CL1071485	0.106	<1	<0.01	10	405	2	8	2.19	<4	7	33	154	2.16	0.30	19	0.20	272	3	45	160	35	<5	19	<10	200	1336	<2	14	<10	10	48
101200	CL1071486	0.907	<1	<0.01	13	598	2	9	2.14	5	12	32	755	3.02	0.18	15	0.28	217	4	53	115	54	<5	21	<10	163	1380	<2	15	<10	17	60
101201	CL1071487	0.034	<1	<0.01	10	604	2	11	1.19	<4	7	35	176	2.15	0.27	16	0.16	203	3	47	113	29	<5	15	<10	176	1576	<2	12	<10	5	12
101202	CL1071488	0.062	<1	<0.01	10	439	2	9	1.09	<4	5	31	382	1.96	0.24	15	0.09	162	3	43	<100	27	<5	15	<10	194	1426	<2	12	<10	8	11
101203	CL1071489	0.007	<1	<0.01	19	689	3	19	4.45	10	27	66	45	5.91	0.31	31	0.78	969	6	82	1338	41	<5	14	<10	682	6772	<2	126	<10	15	85
101204	CL1071490	0.140	<1	<0.01	6	435	2	13	1.33	<4	7	32	153	1.98	0.25	10	0.10	195	3	45	113	30	<5	12	<10	197	1421	<2	12	<10	12	9
101205D	CL1071490	0.066	<1	<0.01	10	406	2	4	1.39	<4	6	30	153	1.98	0.08	8	0.09	188	2	43	<100	29	<5	18	<10	198	1386	<2	12	<10	9	13
101206	CL1071491	0.008	<1	<0.01	9	491	2	10	1.56	<4	6	31	136	2.04	0.26	6	0.09	217	2	45	<100	29	<5	12	<10	209	1526	<2	12	<10	7	13
101207	CL1071492	0.054	<1	<0.01	9	438	<2	7	1.43	<4	7	32	120	2.13	0.21	5	0.09	202	3	44	104	27	<5	20	<10	205	1519	<2	12	<10	8	26
101208	CL1071493	0.061	<1	<0.01	10	400	<2	12	1.52	<4	8	37	87	1.79	0.19	11	0.08	196	4	54	<100	29	5	16	<10	213	1514	<2	12	<10	6	26
101209	CL1071494	0.045	<1	<0.01	9	559	2	4	1.96	<4	8	31	145	1.87	0.14	9	0.18	241	3	46	167	24	<5	33	<10	175	1667	<2	12	<10	8	13
101210	CL1071495	0.137	<1	<0.01	8	745	2	9	1.69	<4	8	31	229	2.21	0.23	20	0.42	236	2	47	163	26	<5	31	<10	154	1844	<2	12	<10	8	21
101211	CL1071496	0.043	<1	4.49	12	711	2	4	4.56	8	14	192	238	4.66	0.13	52	1.63	603	5	84	647	29	<5	36	<10	189	2552	<2	68	11	32	31

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Friday, November 29, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
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 Fax#: (416) 216-8535  
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 Date Received: 11/14/2013  
 Date Completed: 11/26/2013  
 Job #: 201310911  
 Reference: CL sample series  
 Sample #: 150

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101212	CL1071497	0.118	<1	<0.01	8	652	2	10	1.72	4	8	38	300	2.62	0.07	27	0.52	269	2	46	240	34	<5	15	<10	171	2000	<2	20	<10	12	14
101213	CL1071498	0.032	<1	<0.01	13	666	2	3	1.49	4	8	28	143	2.56	0.21	23	0.60	228	3	39	280	25	<5	25	<10	168	1863	<2	20	<10	12	9
101214	CL1071499	0.039	<1	<0.01	16	496	2	18	4.17	5	7	32	54	3.24	0.06	38	0.95	542	3	38	386	26	<5	13	<10	214	1658	<2	16	<10	13	23
101215	CL1071500	0.093	<1	<0.01	9	338	<2	5	0.68	<4	7	34	70	1.54	0.09	10	0.18	115	5	53	117	25	<5	19	<10	169	1289	<2	12	<10	5	10
101216D	CL1071500	0.063	<1	<0.01	13	328	<2	7	0.70	<4	6	35	70	1.54	0.40	12	0.24	114	5	51	176	27	<5	20	<10	170	1369	<2	12	<10	6	14

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Tuesday, December 3, 2013


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 Date Received: 11/14/2013  
 Date Completed: 12/03/2013  
 Job #: 201310912  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101217	CL408625	0.007	1	0.51	14	486	<2	6	0.97	<4	4	24	14	1.23	0.28	19	0.17	199	6	31	210	22	<5	24	<10	328	1226	<2	16	<10	7	31
101218	CL408626	<0.005	<1	2.52	15	379	<2	10	2.32	9	39	365	74	4.13	0.21	44	3.12	684	5	380	517	26	5	30	10	345	3185	7	68	12	12	49
101219	CL408627	0.007	<1	6.93	19	570	2	12	3.50	11	26	96	78	5.23	0.39	44	2.17	794	2	42	1998	20	7	35	15	756	4679	<2	127	13	19	77
101220	CL408628	0.006	<1	9.10	16	785	3	29	5.07	12	33	127	111	6.18	0.46	59	2.73	965	4	46	2352	24	14	38	12	856	5618	<2	161	11	21	94
101221	CL408629	0.006	2	4.22	12	616	2	11	1.79	<4	6	40	16	1.46	0.27	28	0.24	195	8	31	244	23	9	43	10	444	1464	<2	22	<10	11	14
101222	CL408630	<0.005	3	2.39	19	1004	2	2	1.87	<4	4	35	17	1.43	0.26	25	0.17	194	11	43	208	25	10	51	<10	449	1314	<2	20	<10	9	10
101223	CL408631	0.006	<1	6.63	19	480	3	30	4.85	11	32	222	76	5.27	0.54	55	2.83	892	3	58	2063	17	11	42	12	665	4737	7	138	<10	19	85
101224	CL408632	2.357	<1	1.86	1230	502	<2	24	5.14	22	43	165	131	10.65	0.20	25	2.23	3416	4	109	2134	26	8	<5	<10	424	6348	<2	140	10	16	123
101225	CL408633	0.009	<1	0.35	11	479	3	13	3.99	11	35	514	31	5.32	0.42	36	3.51	939	4	105	1745	22	16	21	15	597	4306	<2	133	<10	11	87
101226	CL408634	<0.005	<1	<0.01	20	587	3	17	4.63	10	33	399	72	4.90	0.28	33	2.71	917	3	84	1698	25	5	18	<10	667	4114	<2	128	11	10	81
101227D	CL408634	<0.005	<1	1.18	8	720	3	12	5.20	10	36	424	75	5.16	0.10	39	2.80	961	6	90	1789	35	8	15	<10	712	4372	<2	134	<10	11	90
101228	CL408635	0.006	2	1.81	13	746	2	18	1.57	<4	6	48	9	1.28	0.02	20	0.29	226	8	37	362	17	6	32	14	396	1447	<2	24	<10	9	15
101229	CL408636	<0.005	3	1.74	17	830	2	5	1.50	<4	4	36	9	0.97	0.54	22	0.16	168	7	38	180	19	6	37	10	407	1195	<2	15	<10	11	4
101230	CL408637	0.007	1	6.33	17	704	2	8	2.10	<4	7	56	14	1.49	0.48	25	0.33	221	11	48	269	23	<5	47	14	481	1518	<2	22	<10	15	12
101231	CL408638	<0.005	<1	7.29	11	803	3	17	6.00	14	42	313	76	6.62	0.45	51	3.15	1161	8	81	1633	24	7	24	13	960	5003	<2	192	<10	18	95
101232	CL408639	0.012	<1	7.29	20	869	3	17	6.95	14	45	331	202	6.95	0.45	48	3.37	1220	5	73	1721	32	8	43	11	1151	5185	11	206	<10	17	81
101233	CL408640	0.009	<1	6.74	15	522	3	18	6.79	16	44	385	97	7.62	0.46	41	4.05	1346	3	78	2078	36	14	40	<10	1137	5622	<2	225	10	18	97
101234	CL408641	0.008	<1	5.79	19	606	4	24	7.80	17	55	433	160	7.91	0.33	48	4.07	1459	5	134	1994	31	10	30	11	1030	5841	10	222	11	14	92
101235	CL408642	<0.005	<1	<0.01	17	597	3	11	6.57	15	42	346	50	6.70	0.47	30	2.92	1246	4	69	1481	30	8	9	<10	1005	4837	<2	214	<10	10	82
101236	CL408643	0.008	<1	6.73	17	556	3	15	6.18	13	40	310	79	6.34	0.46	36	3.22	1175	3	65	1687	25	10	28	<10	941	4808	16	192	<10	17	81

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/03/2013  
 Job #: 201310912  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101237	CL408644	<0.005	<1	7.41	19	497	3	16	4.37	11	27	40	29	5.54	0.20	19	1.36	809	5	55	1643	31	<5	41	<10	673	6143	<2	123	<10	33	74
101238D	CL408644	IS																														
101239	CL408645	<0.005	<1	0.10	17	489	3	9	5.62	13	42	308	86	6.37	0.43	41	2.57	1170	6	66	1676	34	10	12	<10	898	4819	<2	196	<10	10	94
101240	CL408646	0.005	<1	0.64	15	506	2	10	2.96	6	19	91	33	3.42	0.12	22	0.97	576	8	46	842	19	<5	18	<10	558	2557	<2	96	<10	8	35
101241	CL408647	0.005	2	3.62	21	1443	2	5	2.36	4	13	87	40	2.26	0.28	25	0.59	347	9	60	512	33	<5	51	<10	492	1868	<2	48	<10	11	41
101242	CL408648	<0.005	<1	9.35	23	923	2	18	3.40	6	18	108	46	3.46	0.39	35	1.37	513	10	60	892	34	8	54	12	626	2573	<2	80	<10	19	35
101243	CL408649	<0.005	<1	5.70	15	865	<2	24	1.85	<4	5	49	18	1.43	0.29	22	0.20	190	12	67	235	26	<5	44	10	486	1306	<2	18	<10	12	10
101244	CL408650	<0.005	1	6.43	17	774	2	4	2.51	<4	8	61	27	1.89	0.33	27	0.41	262	14	61	315	24	8	63	<10	541	1600	<2	31	<10	16	14
101245	CL408651	0.008	<1	6.49	19	433	2	15	5.06	12	34	216	82	5.81	0.35	47	2.80	973	5	80	1584	17	<5	28	11	624	3795	<2	164	<10	18	83
101246	CL408652	<0.005	<1	7.57	18	978	2	3	5.46	9	25	160	54	4.69	0.70	44	2.21	828	<1	53	1192	21	11	53	10	550	3242	<2	135	<10	12	55
101247	CL408653	0.007	<1	>10.00	22	733	2	10	6.63	14	43	268	68	7.15	0.50	62	3.55	1259	<1	72	1905	22	10	55	<10	531	4524	13	208	<10	15	99
101248	CL408654	<0.005	<1	0.46	20	2033	2	8	4.49	10	27	53	81	5.17	0.26	27	1.21	881	<1	38	2008	33	7	14	<10	643	4121	<2	134	<10	12	66
101249D	CL408654	<0.005	<1	0.27	13	2084	2	10	4.48	11	29	51	84	5.32	0.38	27	1.28	911	<1	34	2126	26	<5	36	<10	659	4238	<2	139	<10	13	63
101250	CL408655	0.005	<1	3.14	14	932	2	1	4.47	12	32	28	58	6.08	0.45	24	1.72	981	<1	43	2800	23	<5	20	10	670	4879	<2	148	12	19	67
101251	CL408656	0.006	<1	<0.01	16	895	2	8	4.15	12	28	56	61	6.01	0.46	25	1.33	987	<1	47	2377	29	<5	17	<10	537	4770	<2	152	<10	12	79
101252	CL408657	0.230	<1	1.49	31	968	3	7	2.94	9	23	108	2737	4.58	0.20	39	0.91	565	69	42	1042	43	5	39	12	457	4760	<2	126	<10	11	88
101253	CL408658	<0.005	<1	4.30	13	959	2	8	3.85	<4	11	64	33	1.52	0.53	24	0.36	373	5	59	286	19	<5	58	<10	425	1636	<2	36	<10	8	13
101254	CL408659	<0.005	<1	9.48	27	990	2	13	5.65	7	15	104	62	3.74	0.53	33	1.37	767	4	61	1001	33	5	61	17	485	2879	<2	101	<10	14	112
101255	CL408660	<0.005	<1	5.47	20	971	2	8	1.93	<4	5	58	17	1.54	0.46	22	0.23	161	7	61	221	28	<5	53	12	419	1606	<2	21	<10	10	25
101256	CL408661	<0.005	<1	4.79	21	825	2	20	2.19	<4	5	73	46	1.53	0.39	24	0.28	200	8	69	253	25	<5	48	10	432	1610	<2	27	<10	8	20

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Sample #: 302

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101257	CL408662	0.008	<1	8.66	22	595	2	17	9.41	11	26	219	608	5.09	0.40	57	2.94	1273	<1	101	1267	32	9	61	12	438	3278	<2	114	13	14	99
101258	CL408663	<0.005	<1	8.93	24	933	2	20	5.75	11	38	33	41	5.80	0.76	43	2.06	989	<1	29	2994	21	9	54	14	535	5146	<2	149	<10	25	75
101259	CL408664	<0.005	<1	8.54	19	1178	3	5	5.74	13	39	30	62	6.38	0.58	48	2.16	1036	<1	29	3181	23	6	54	12	503	5559	<2	165	<10	24	72
101260D	CL408664	<0.005	<1	9.01	22	1205	3	15	5.86	13	40	28	62	6.50	0.74	43	2.21	1054	<1	26	3261	14	<5	34	13	512	5565	<2	167	<10	25	71
101261	CL408665	<0.005	<1	0.29	20	871	2	9	3.84	6	15	94	59	2.91	0.37	18	0.76	619	2	54	789	24	<5	35	<10	424	2500	<2	59	<10	8	41
101262	CL408666	<0.005	<1	0.79	12	1133	2	11	2.68	5	18	56	78	2.82	0.33	21	0.55	452	5	64	1069	25	6	20	12	467	2784	<2	68	<10	8	31
101263	CL408667	<0.005	<1	1.96	12	904	2	4	1.74	<4	6	64	11	1.19	0.29	20	0.28	201	5	65	246	24	6	44	10	493	1467	<2	29	<10	7	7
101264	CL408668	<0.005	<1	1.66	16	631	2	10	4.13	12	35	502	8	5.88	0.24	54	3.70	1066	<1	234	1452	16	7	18	11	298	4237	<2	130	10	10	131
101265	CL408669	0.013	<1	>10.00	19	636	3	21	5.34	12	30	100	29	6.42	0.50	34	1.56	916	14	153	1792	22	5	65	15	720	6737	<2	137	<10	38	69
101266	CL408670	0.008	<1	3.72	18	671	2	1	7.40	15	46	739	8	7.27	0.47	82	4.58	1396	1	242	1752	20	18	17	11	302	5174	3	167	<10	13	146
101267	CL408671	0.006	<1	8.41	16	744	2	21	6.98	12	40	626	9	6.25	1.03	75	4.26	1258	<1	202	1660	13	14	33	15	390	4532	<2	148	<10	15	110
101268	CL408672	<0.005	<1	2.57	17	664	2	14	5.84	13	39	490	8	6.68	0.71	73	4.03	1262	<1	207	1735	23	13	41	<10	324	4635	<2	159	<10	14	147
101269	CL408673	<0.005	<1	1.49	12	1028	2	<1	1.74	<4	9	59	10	1.29	0.69	17	0.19	198	7	70	207	25	10	32	13	316	1321	<2	19	11	6	6
101270	CL408674	<0.005	<1	<0.01	16	875	<2	<1	1.12	<4	5	63	12	1.31	0.95	10	0.12	162	9	81	159	20	7	30	<10	261	1271	<2	16	10	5	4
101271D	CL408674	<0.005	<1	0.47	19	956	<2	7	1.26	<4	6	72	13	1.47	1.35	20	0.14	178	10	103	200	23	<5	30	<10	273	1333	<2	17	<10	6	7
101272	CL408675	<0.005	<1	<0.01	17	622	<2	9	1.49	<4	3	53	13	1.16	0.70	7	0.13	206	5	59	204	21	8	30	<10	301	1330	<2	16	<10	6	6
101273	CL408676	<0.005	<1	0.24	14	667	2	13	1.32	<4	5	67	16	1.34	0.58	17	0.13	168	10	82	210	23	5	45	10	315	1365	<2	16	<10	8	16
101274	CL408677	<0.005	<1	0.84	18	665	<2	5	1.54	<4	5	55	13	1.42	0.25	17	0.16	182	5	60	224	19	7	30	<10	323	1442	<2	17	<10	5	4
101275	CL408678	<0.005	<1	1.28	16	588	<2	<1	1.67	<4	5	46	11	1.27	0.18	16	0.15	179	4	45	229	19	<5	29	<10	305	1449	<2	16	<10	5	4
101276	CL408679	<0.005	<1	1.58	16	659	<2	9	1.46	<4	6	75	8	1.15	0.11	15	0.14	143	12	86	197	23	<5	32	<10	223	1396	<2	17	<10	4	3

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101277	CL408680	<0.005	<1	1.15	21	330	<2	2	1.10	<4	4	51	6	0.54	0.46	12	0.07	<100	5	56	126	23	<5	39	<10	254	1294	<2	7	12	5	3	
101278	CL408681	0.011	<1	3.51	20	508	<2	2	1.94	<4	5	68	12	1.26	0.29	13	0.16	175	9	86	203	20	8	43	<10	256	1412	<2	17	<10	6	14	
101279	CL408682	1.415	<1	7.71	17	564	<2	3	3.49	15	24	57	11511	7.73	0.43	27	1.62	557	563	22	1103	40	5	37	20	608	3481	6	158	<10	12	79	
101280	CL408683	0.005	<1	1.24	19	483	<2	16	1.61	<4	4	52	22	1.42	0.51	16	0.15	180	6	62	200	24	<5	34	14	267	1383	<2	17	<10	5	22	
101281	CL408684	<0.005	<1	2.20	21	451	<2	5	1.62	<4	4	48	14	1.33	0.33	11	0.15	175	4	43	209	20	<5	38	<10	265	1345	<2	15	<10	6	20	
101282R	CL408684	<0.005	<1	<0.01	15	352	<2	11	1.14	<4	4	35	11	1.17	0.59	9	0.12	160	1	28	171	24	<5	21	<10	239	1213	<2	14	<10	5	8	
101283	CL408685	<0.005	<1	<0.01	15	459	<2	<1	1.19	<4	3	34	16	0.93	0.20	8	0.12	151	<1	25	176	21	9	29	<10	193	1293	<2	14	<10	4	39	
101284	CL408686	<0.005	<1	0.79	11	451	<2	10	1.28	<4	4	35	12	1.29	0.20	12	0.15	177	<1	24	184	25	11	36	<10	228	1336	<2	15	<10	6	21	
101285	CL408687	<0.005	<1	2.81	17	448	2	6	1.62	<4	3	39	11	1.42	0.24	14	0.18	184	<1	25	205	21	<5	38	11	264	1456	<2	15	<10	7	20	
101286	CL408688	<0.005	<1	3.23	19	358	<2	4	1.19	<4	4	35	10	1.28	0.45	7	0.20	161	<1	22	211	20	<5	40	<10	218	1396	<2	14	<10	10	18	
101287	CL408689	<0.005	<1	<0.01	14	470	<2	5	1.38	<4	5	36	16	1.25	0.69	7	0.09	183	<1	26	<100	24	5	17	<10	246	1289	<2	16	<10	5	19	
101288	CL408690	<0.005	<1	<0.01	16	557	<2	7	1.66	<4	8	43	24	1.04	0.29	13	0.14	151	<1	31	153	27	<5	36	<10	215	1444	<2	17	<10	6	24	
101289	CL408691	<0.005	<1	4.07	13	417	<2	8	1.58	<4	2	42	7	0.43	0.19	9	0.07	<100	4	38	135	19	<5	47	<10	263	998	<2	7	<10	4	3	
101290	CL408692	<0.005	<1	0.49	14	341	<2	6	1.47	<4	2	38	12	0.51	0.32	9	0.10	107	1	29	123	23	<5	33	<10	293	1066	<2	10	<10	3	8	
101291	CL408693	<0.005	<1	0.24	15	262	2	10	5.08	10	38	484	52	5.10	0.27	54	3.55	879	<1	182	1478	26	8	19	<10	300	4134	<2	137	<10	10	86	
101292	CL408694	<0.005	<1	<0.01	12	512	3	7	3.76	11	30	54	25	5.43	0.43	18	0.80	872	2	61	1603	31	5	7	<10	590	6037	<2	129	<10	16	92	
101293D	CL408694																																
101294	CL408695	<0.005	<1	0.52	16	395	2	<1	1.14	<4	2	40	6	0.40	0.08	<1	0.08	<100	2	29	130	23	6	38	<10	252	987	<2	9	<10	<2	12	
101295	CL408696	<0.005	<1	6.54	22	270	2	8	1.11	<4	<1	38	8	0.37	0.20	5	0.08	<100	2	32	140	21	6	55	11	289	1011	<2	6	<10	3	2	
101296	CL408697	<0.005	<1	5.95	20	456	2	4	0.12	<4	<1	29	5	0.52	0.56	2	0.10	<100	<1	28	114	16	5	51	<10	175	593	<2	6	<10	<2	13	

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101297	CL408698	<0.005	<1	3.52	17	330	2	1	1.16	<4	2	30	5	0.44	0.50	13	0.08	<100	12	34	132	18	6	52	<10	216	792	<2	7	<10	6	6
101298	CL408699	<0.005	<1	3.08	17	393	<2	30	1.57	<4	5	87	9	1.50	0.38	17	0.19	217	11	119	191	25	5	57	<10	226	1370	<2	18	<10	8	7
101299	CL408700	0.013	<1	1.38	13	507	<2	4	1.37	<4	8	67	31	1.55	0.18	19	0.20	189	8	73	234	20	<5	38	13	199	1887	<2	29	12	4	10
101300	CL408701	0.006	<1	1.67	12	655	<2	16	1.07	<4	4	106	42	1.87	0.17	19	0.23	191	17	154	253	24	7	36	<10	188	1888	<2	33	<10	5	13
101301	CL408702	0.018	<1	2.01	17	547	<2	16	1.77	<4	6	100	99	1.91	0.26	15	0.24	285	15	143	309	14	<5	40	11	216	1855	<2	31	<10	5	11
101302	CL408703	0.006	<1	0.53	14	545	<2	<1	1.11	<4	5	79	26	1.33	0.25	10	0.16	189	10	106	224	19	<5	39	<10	203	1378	<2	22	11	5	1
101303	CL408704	<0.005	<1	1.51	16	638	<2	4	1.47	<4	11	99	20	1.59	0.21	14	0.23	191	14	132	287	19	5	46	<10	292	1549	<2	34	13	4	7
101304D	CL408704	<0.005	<1	0.32	15	570	<2	5	1.19	<4	10	94	19	1.54	0.43	6	0.21	189	12	126	283	20	5	43	<10	275	1481	<2	33	<10	4	15
101305	CL408705	0.008	<1	2.46	14	194	<2	11	4.47	11	30	309	31	5.84	0.31	37	2.45	1037	4	112	1400	24	6	15	10	297	3773	<2	114	<10	10	135
101306	CL408706	<0.005	<1	<0.01	17	467	<2	11	2.01	7	17	241	14	3.55	0.39	21	1.18	567	7	104	955	23	7	26	<10	235	2786	<2	96	<10	5	67
101307	CL408707	1.049	<1	7.12	669	351	<2	21	5.98	20	53	198	95	9.84	0.58	30	3.32	2355	3	129	2104	22	12	29	15	509	8226	<2	155	<10	25	102
101308	CL408708	0.009	<1	4.68	19	1029	2	2	0.59	4	5	69	29	1.56	0.33	17	0.32	122	16	109	314	18	<5	47	11	192	1610	<2	31	12	9	195
101309	CL408709	0.024	<1	5.16	18	1106	<2	4	0.70	<4	7	52	126	1.53	0.59	22	0.32	108	11	68	302	16	8	58	<10	187	1669	<2	28	<10	10	53
101310	CL408710	0.012	<1	2.65	19	1068	2	17	1.08	<4	7	75	76	1.64	0.43	20	0.25	156	18	109	249	20	7	46	<10	242	1643	<2	34	10	8	13
101311	CL408711	0.007	1	1.93	17	512	<2	8	3.17	6	12	113	31	3.09	0.27	38	0.75	514	10	59	669	17	9	34	11	343	3005	<2	72	<10	11	48
101312	CL408712	<0.005	<1	1.27	17	266	<2	8	1.62	<4	7	71	15	2.04	0.70	11	0.27	260	13	104	304	17	<5	38	<10	399	1574	<2	28	<10	8	21
101313	CL408713	0.007	<1	2.83	19	404	<2	6	1.64	<4	7	78	30	1.78	0.33	14	0.33	236	16	115	293	18	5	61	12	317	1401	<2	30	10	7	10
101314	CL408714	0.007	2	1.10	16	491	<2	12	1.76	<4	9	68	35	1.79	0.41	10	0.25	237	16	93	300	19	8	42	<10	336	1545	<2	29	<10	6	17
101315D	CL408714	<0.005	<1	2.16	18	470	<2	10	1.76	<4	8	62	36	1.76	0.18	5	0.26	229	14	85	327	21	6	31	11	346	1541	<2	29	<10	6	7
101316	CL408715	0.067	<1	2.28	21	402	2	17	2.70	5	9	56	111	2.66	0.27	12	0.65	345	12	73	368	23	<5	44	<10	550	1432	<2	47	11	5	44

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101317	CL408716	0.010	2	2.31	20	697	<2	4	1.81	<4	10	83	73	1.95	0.26	9	0.29	271	20	90	336	28	<5	38	<10	363	1512	<2	31	<10	6	42
101318	CL408717	<0.005	<1	<0.01	19	590	<2	5	1.59	4	7	81	18	2.11	0.44	14	0.27	317	17	81	324	17	<5	14	<10	390	1601	<2	31	<10	5	31
101319	CL408718	0.018	2	3.96	22	618	2	7	2.76	<4	22	71	15	2.02	0.21	17	0.28	340	15	59	322	22	5	47	<10	446	1579	<2	29	<10	9	23
101320	CL408719	<0.005	<1	>10.00	20	835	3	19	6.39	16	37	80	38	7.77	0.59	40	1.89	1115	16	82	2389	27	5	54	13	881	8202	<2	164	<10	49	107
101321	CL408720	<0.005	2	6.78	21	569	<2	12	3.05	<4	7	43	27	1.73	0.28	20	0.38	237	11	35	361	20	7	56	<10	407	1673	<2	28	<10	10	16
101322	CL408721	<0.005	1	6.38	17	673	2	21	2.54	<4	8	53	25	1.70	0.36	23	0.32	253	13	49	325	21	<5	42	15	448	1555	<2	27	<10	9	14
101323	CL408722	0.006	<1	4.68	15	558	2	12	2.55	<4	5	56	12	1.86	0.25	16	0.33	254	14	57	324	23	7	48	<10	537	1535	<2	29	<10	9	18
101324	CL408723	<0.005	2	2.71	15	586	2	13	2.40	<4	12	51	19	1.98	0.54	19	0.38	282	13	48	317	19	<5	59	<10	453	1596	<2	32	<10	7	22
101325	CL408724	<0.005	1	2.23	11	498	2	5	1.87	<4	11	62	16	1.90	0.35	7	0.29	226	14	62	314	22	14	53	10	439	1442	<2	28	<10	7	15
101326D	CL408724	<0.005	<1	2.14	15	492	2	19	1.84	4	13	64	16	1.93	0.38	4	0.29	231	15	59	312	26	<5	25	<10	440	1434	<2	28	<10	7	19
101327	CL408725	<0.005	3	1.69	17	449	2	3	2.27	<4	7	56	19	1.67	0.43	7	0.27	297	12	52	310	25	8	34	<10	481	1230	<2	32	<10	8	21
101328	CL408726	<0.005	<1	5.74	14	620	2	17	6.09	15	29	310	27	7.37	0.49	49	2.81	1315	8	76	1830	29	8	29	<10	488	3420	11	167	<10	18	94
101329	CL408727	0.008	<1	2.07	20	566	2	14	6.14	14	38	456	40	6.58	0.48	54	3.05	1185	7	116	1469	16	11	25	10	387	4104	<2	163	<10	12	111
101330	CL408728	<0.005	<1	0.37	12	595	2	17	5.89	12	39	449	12	6.01	0.25	47	3.01	1031	5	106	1298	29	6	18	<10	360	3775	<2	154	<10	9	102
101331	CL408729	0.012	<1	>10.00	16	564	2	21	7.01	14	40	383	119	7.07	0.90	66	3.78	1073	4	91	1877	24	10	40	<10	511	4770	8	183	10	22	105
101332	CL408730	<0.005	<1	9.49	17	520	2	9	3.92	11	31	158	47	5.51	0.65	42	2.38	658	5	50	1519	26	<5	42	12	673	3622	<2	142	<10	20	76
101333	CL408731	0.032	<1	>10.00	20	656	2	18	9.55	12	31	71	190	6.21	0.71	54	2.55	1424	5	28	1798	26	13	41	10	765	3998	<2	163	10	21	66
101334	CL408732	2.319	<1	5.80	1272	601	<2	15	5.77	23	42	167	135	10.78	0.31	23	2.45	3404	6	108	2108	23	8	7	<10	454	6502	13	140	<10	19	109
101335	CL408733	0.023	<1	9.53	21	449	<2	3	9.82	5	13	48	56	3.05	0.54	29	1.12	1276	7	29	848	22	6	51	11	706	2085	<2	66	<10	16	29
101336	CL408734	<0.005	2	1.33	11	424	2	8	2.46	4	9	43	9	1.99	0.49	12	0.25	245	10	47	315	24	<5	32	<10	610	1498	<2	30	<10	5	15

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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
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 Job #: 201310912  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101337D	CL408734	<0.005	2	2.14	15	379	<2	8	2.21	<4	5	39	8	1.84	0.56	5	0.25	226	8	42	320	19	7	36	<10	572	1421	<2	28	<10	6	14
101338	CL408735	0.005	3	<0.01	18	647	<2	4	1.63	<4	7	33	7	1.47	0.47	8	0.17	183	8	32	253	26	<5	34	<10	379	1325	<2	23	<10	4	24
101339	CL408736	<0.005	2	<0.01	12	728	<2	<1	1.66	<4	6	28	8	1.56	0.44	5	0.17	207	7	27	290	26	5	26	<10	286	1425	<2	25	<10	6	11
101340	CL408737	<0.005	1	2.45	11	708	<2	17	2.53	<4	5	23	7	1.63	0.33	<1	0.24	300	4	21	339	19	9	24	<10	228	1483	<2	24	<10	8	14
101341	CL408738	<0.005	3	2.12	15	752	<2	13	1.71	<4	4	26	7	1.12	0.13	<1	0.16	190	7	21	270	19	<5	26	12	224	1227	<2	15	<10	6	2
101342	CL408739	<0.005	2	0.71	17	726	<2	4	1.54	<4	7	30	7	1.28	0.10	2	0.16	190	4	21	239	25	<5	31	<10	223	1216	<2	14	<10	7	7
101343	CL408740	<0.005	2	2.85	17	367	<2	3	2.31	<4	8	39	14	1.69	0.37	5	0.29	239	7	31	329	24	<5	44	<10	377	1566	<2	28	<10	6	15
101344	CL408741	<0.005	2	2.16	19	201	2	<1	4.15	<4	3	39	21	1.15	0.34	8	0.53	476	8	36	287	21	10	40	<10	315	656	<2	16	<10	6	9
101345	CL408742	<0.005	<1	6.33	17	244	<2	16	2.96	5	21	159	18	2.63	0.46	12	1.04	351	6	57	530	16	<5	49	<10	346	1536	<2	40	<10	11	34
101346	CL408743	<0.005	<1	1.82	12	261	<2	5	2.01	<4	6	29	12	1.61	0.45	3	0.27	208	6	28	268	21	<5	45	<10	387	1487	<2	26	<10	7	20
101347	CL408744	<0.005	<1	>10.00	14	663	3	46	5.27	12	29	41	30	6.01	0.42	26	1.46	870	8	57	1617	24	10	38	20	764	6476	<2	134	12	40	77
101348R	CL408744	IS																														
101349	CL408745	<0.005	<1	>10.00	21	461	2	6	3.33	4	7	46	15	2.45	0.62	20	0.72	308	8	50	491	19	<5	65	<10	469	1988	<2	43	<10	11	52
101350	CL408746	0.008	3	<0.01	14	523	<2	<1	2.22	<4	7	39	29	1.69	0.59	9	0.20	247	10	32	250	26	<5	27	<10	397	1617	<2	31	<10	5	23
101351	CL408747	<0.005	2	4.31	20	454	<2	5	2.96	4	7	42	14	2.09	0.40	11	0.30	263	10	39	298	23	6	40	<10	456	1821	<2	30	<10	8	26
101352	CL408748	<0.005	3	3.53	18	487	<2	7	2.91	<4	8	38	14	2.01	0.53	13	0.29	294	9	37	262	21	5	42	<10	367	1808	<2	30	<10	7	26
101353	CL408749	<0.005	4	<0.01	21	639	<2	6	2.64	<4	6	39	17	1.70	0.49	11	0.19	292	10	31	154	22	6	34	<10	315	1618	<2	32	10	5	18
101354	CL408750	<0.005	2	3.15	16	479	<2	3	3.02	4	8	48	23	2.19	0.40	13	0.30	322	10	45	283	25	<5	36	10	427	1899	<2	33	10	8	27
101355	CL408751	<0.005	3	<0.01	16	432	<2	6	2.14	<4	7	33	20	1.64	0.34	4	0.20	259	8	30	208	23	<5	25	<10	378	1601	<2	28	<10	5	17
101356	CL408752	0.005	<1	7.73	19	263	<2	13	5.21	10	28	220	49	5.25	0.53	32	2.38	944	5	58	1028	22	10	40	10	400	2749	<2	124	<10	14	68

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101357	CL408753	<0.005	<1	9.60	16	403	<2	18	3.27	9	13	224	21	4.58	0.57	38	1.99	623	8	50	771	23	14	59	12	380	2840	<2	95	16	14	57
101358	CL408754	<0.005	<1	0.23	18	415	<2	8	5.62	13	34	499	7	6.19	0.50	38	2.91	1322	4	70	987	18	5	37	<10	342	2953	20	143	92	8	103
101359D	CL408754	<0.005	<1	0.42	17	436	<2	16	5.93	13	36	506	8	6.32	0.48	41	2.75	1350	3	71	987	23	7	25	<10	356	3028	<2	146	98	8	98
101360	CL408755	<0.005	3	<0.01	16	390	<2	11	2.04	4	10	64	16	2.14	0.28	4	0.40	355	7	28	378	32	<5	34	<10	349	1801	<2	41	<10	3	31
101361	CL408756	<0.005	<1	9.69	18	530	<2	8	3.01	4	10	53	21	2.29	0.41	11	0.61	318	8	33	505	18	7	53	10	453	2073	<2	36	<10	11	18
101362	CL410586	1.004	1	5.04	35	1009	3	3	3.47	9	23	95	2753	4.47	0.39	38	1.05	534	91	41	872	40	<5	30	12	484	4532	<2	118	<10	19	71
101363	CL408758	<0.005	2	6.33	16	596	<2	3	2.95	4	12	41	18	1.94	0.32	16	0.45	304	8	28	315	26	<5	58	<10	404	1871	<2	34	10	8	24
101364	CL408759	<0.005	<1	7.83	20	368	<2	28	6.62	21	69	724	22	10.22	0.50	61	6.19	1876	7	201	1742	34	14	10	13	234	3931	<2	240	10	14	178
101365	CL408760	<0.005	<1	4.12	21	333	<2	19	>10.00	21	40	848	10	10.07	0.46	54	6.16	2583	3	222	1223	31	11	<5	11	243	3778	<2	203	<10	11	149
101366	CL408761	<0.005	3	2.73	17	645	2	1	3.51	4	16	66	17	2.39	0.68	19	0.56	521	8	36	302	22	7	34	<10	450	2034	<2	64	13	10	36
101367	CL408762	0.009	<1	>10.00	19	461	<2	16	6.06	16	40	635	12	7.70	0.92	43	4.39	1575	7	129	1242	21	8	29	<10	292	3558	10	158	<10	16	114
101368	CL408763	<0.005	2	<0.01	8	513	<2	<1	3.07	<4	11	27	12	1.88	0.37	5	0.33	519	5	32	263	21	7	27	<10	360	1684	<2	46	<10	7	17
101369	CL408764	<0.005	4	<0.01	17	300	<2	3	2.10	<4	11	49	25	1.87	0.57	3	0.20	239	11	57	221	26	<5	37	<10	442	1696	<2	32	<10	5	20
101370D	CL408764	<0.005	4	<0.01	19	334	<2	4	2.18	4	12	52	26	1.95	0.66	3	0.22	245	13	62	283	25	8	33	<10	458	1744	<2	32	<10	5	21
101371	CL408765	<0.005	<1	<0.01	11	139	<2	11	7.27	14	57	1028	49	7.04	0.40	62	4.70	1460	3	242	1066	21	13	15	<10	215	2642	<2	148	<10	8	150
101372	CL408766	<0.005	3	1.64	15	343	<2	5	2.21	4	22	42	39	2.12	0.36	9	0.44	296	7	47	357	18	5	40	<10	374	1608	<2	39	<10	5	27
101373	CL408767	<0.005	<1	4.37	14	234	<2	<1	2.43	<4	7	42	22	1.67	0.13	5	0.37	250	10	56	314	20	<5	45	<10	390	1487	<2	26	<10	8	16
101374	CL408768	<0.005	1	6.66	19	615	<2	7	4.00	7	17	62	9	3.33	0.50	31	0.92	472	10	59	374	24	<5	42	11	357	2601	<2	67	<10	16	27
101375	CL408769	<0.005	<1	>10.00	12	680	3	15	5.40	13	30	71	31	6.29	0.76	22	1.56	896	14	113	1809	24	6	36	16	759	6629	<2	135	10	39	82
101376	CL408770	<0.005	<1	>10.00	11	884	2	11	3.59	6	15	61	11	3.37	0.74	28	1.18	384	9	52	552	22	6	64	11	359	2897	<2	74	<10	22	20

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101377	CL408771	<0.005	<1	6.46	17	483	2	11	4.63	6	19	66	48	3.54	0.70	27	1.04	525	8	52	362	19	12	54	<10	518	2689	<2	75	<10	19	30
101378	CL408772	<0.005	<1	9.43	18	505	3	13	6.84	13	37	287	96	6.38	1.00	40	3.01	1110	6	66	1701	15	<5	47	10	766	4867	<2	183	11	19	73
101379	CL408773	<0.005	<1	9.21	17	737	3	15	6.72	14	41	314	83	6.78	0.74	26	3.25	1244	4	66	1778	22	14	41	13	756	5076	2	197	12	20	93
101380	CL408774	<0.005	<1	<0.01	16	937	3	<1	6.19	15	44	344	84	7.07	0.41	17	2.79	1282	6	85	1668	27	9	8	<10	742	5165	<2	211	<10	11	104
101381D	CL408774	<0.005	<1	0.26	19	956	3	8	6.25	14	45	346	85	7.06	0.24	18	2.76	1280	7	86	1698	30	8	11	<10	749	5176	<2	212	<10	11	102
101382	CL408775	<0.005	<1	1.04	19	677	3	10	6.63	16	49	380	164	7.30	0.49	17	3.24	1319	3	84	1810	23	<5	7	<10	889	5376	<2	224	<10	11	103
101383	CL408776	<0.005	<1	0.77	22	917	3	8	7.64	18	53	412	185	8.36	0.57	15	3.27	1472	5	84	2167	25	10	11	<10	970	6142	<2	255	<10	10	110
101384	CL408777	<0.005	<1	<0.01	15	653	3	5	6.74	15	43	353	114	7.11	0.67	12	2.40	1280	9	103	1823	29	<5	<5	<10	774	5200	<2	214	<10	9	104
101385	CL408778	<0.005	<1	9.59	20	553	2	9	6.41	13	35	291	94	6.41	0.66	30	2.86	1018	11	100	1683	24	9	33	12	600	4664	<2	176	<10	19	75
101386	CL408779	<0.005	<1	>10.00	17	721	2	15	6.86	18	38	296	60	8.39	1.27	39	2.77	1148	10	99	1693	21	8	26	<10	447	4792	<2	161	10	20	89
101387	CL408780	<0.005	2	5.33	20	640	<2	15	2.58	4	9	79	30	2.06	0.71	4	0.42	285	18	117	236	16	<5	43	<10	285	1642	<2	34	<10	11	15
101388	CL408781	<0.005	2	6.70	18	767	<2	3	2.66	<4	6	72	30	1.56	0.88	3	0.28	232	21	114	211	20	<5	58	<10	284	1471	<2	23	<10	10	<1
101389	CL408782	1.446	<1	6.35	21	652	<2	14	3.86	16	24	51	11074	8.10	0.85	20	1.46	570	592	22	924	35	9	27	19	669	3241	6	160	<10	14	90
101390	CL408783	0.005	3	4.36	16	564	<2	<1	4.17	<4	9	78	49	1.82	0.92	4	0.38	386	21	114	192	23	7	34	<10	387	1445	<2	32	<10	9	4
101391	CL408784	<0.005	<1	3.27	17	414	<2	3	4.93	9	22	207	12	4.47	0.83	26	1.54	803	21	150	708	23	8	20	<10	272	2475	<2	96	<10	10	48
101392D	CL408784	<0.005	<1	8.14	14	410	<2	14	4.97	8	21	184	11	4.29	0.76	26	1.75	758	20	135	829	15	6	53	<10	275	2424	<2	91	<10	13	39
101393	CL408785	0.006	3	2.01	14	456	2	9	4.76	<4	10	78	77	1.77	0.58	2	0.36	497	18	112	253	26	<5	50	<10	515	1438	<2	36	<10	10	5
101394	CL408786	<0.005	4	0.31	17	456	<2	10	1.93	<4	9	67	57	1.48	0.58	<1	0.23	239	15	90	271	18	<5	31	<10	307	1417	<2	28	<10	6	7
101395	CL408787	<0.005	1	0.49	13	456	<2	12	3.66	8	20	157	22	3.97	0.46	16	0.99	570	13	94	658	20	<5	24	<10	321	2469	<2	92	<10	8	45
101396	CL408788	<0.005	3	1.14	20	537	<2	<1	1.82	<4	9	54	36	1.48	0.36	<1	0.19	193	14	70	257	20	7	12	<10	273	1411	<2	21	<10	6	4

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Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101397	CL408789	<0.005	2	2.01	19	672	<2	6	2.02	<4	6	85	23	1.89	0.28	<1	0.20	234	20	131	216	23	<5	38	10	246	1523	<2	23	<10	7	9
101398	CL408790	<0.005	<1	9.83	18	710	<2	18	2.53	<4	6	62	18	1.72	0.38	5	0.31	217	16	100	355	25	11	54	11	248	1545	<2	21	<10	14	<1
101399	CL408791	<0.005	<1	>10.00	17	713	<2	14	2.64	<4	6	39	34	1.70	0.62	13	0.35	218	8	44	368	23	<5	70	<10	270	1687	<2	20	<10	16	<1
101400	CL408792	<0.005	<1	9.55	13	706	<2	8	2.64	4	7	92	24	2.15	0.62	8	0.31	228	24	151	322	26	5	65	12	277	1606	<2	23	<10	14	4
101401	CL408793	<0.005	1	8.39	14	720	2	2	2.85	<4	5	32	13	1.88	0.28	7	0.27	193	8	35	264	25	7	61	<10	316	1726	<2	21	10	13	5
101402	CL408794	<0.005	<1	>10.00	17	790	3	21	5.85	14	31	102	33	7.00	0.48	31	1.60	968	22	155	2020	30	5	48	10	808	7122	<2	143	12	42	79
101403D	CL408794	IS																														
101404	CL408795	<0.005	3	2.54	16	607	<2	3	2.09	<4	4	41	14	1.65	0.33	1	0.18	166	11	48	212	22	<5	35	<10	273	1468	<2	19	<10	8	7
101405	CL408796	<0.005	2	<0.01	12	550	2	5	1.81	<4	5	46	18	1.56	0.18	<1	0.14	160	12	56	189	21	<5	33	<10	280	1371	<2	18	10	6	14
101406	CL408797	<0.005	<1	<0.01	13	449	<2	<1	1.56	<4	5	35	13	1.26	0.05	<1	0.08	170	10	41	111	22	<5	7	<10	230	1148	<2	18	<10	6	10
101407	CL408798	<0.005	3	0.28	18	480	<2	2	1.90	<4	7	58	20	1.53	0.28	<1	0.13	170	15	88	220	21	<5	27	<10	232	1318	<2	21	<10	7	15
101408	CL408799	0.028	2	0.42	8	455	<2	4	1.43	<4	4	37	16	1.35	0.09	<1	0.13	189	8	44	210	19	8	27	<10	238	1313	<2	16	<10	6	7
101409	CL408800	<0.005	3	1.41	16	526	<2	3	1.69	<4	5	52	14	1.32	0.40	<1	0.13	177	15	79	161	21	<5	42	<10	235	1282	<2	15	<10	6	8
101410	CL408801	<0.005	<1	>10.00	16	394	<2	20	3.52	6	13	53	11	3.18	0.34	12	0.71	397	11	64	533	22	5	56	<10	365	3036	<2	50	11	22	21
101411	CL408802	<0.005	<1	3.16	14	629	<2	5	2.64	4	9	47	16	2.10	<0.01	4	0.37	307	9	55	283	26	9	36	<10	294	1835	<2	35	<10	10	13
101412	CL408803	<0.005	<1	9.98	17	658	<2	5	2.89	<4	8	53	19	1.91	0.36	7	0.43	250	11	61	337	19	6	56	<10	328	1660	<2	28	<10	13	5
101413	CL408804	<0.005	<1	>10.00	20	596	2	13	2.95	<4	9	52	12	2.12	0.28	7	0.51	251	12	73	365	20	<5	53	<10	362	1763	<2	32	<10	15	1
101414R	CL408804	<0.005	<1	5.57	16	497	<2	6	2.75	<4	11	50	11	2.21	0.27	11	0.49	274	9	56	264	16	8	32	11	342	1852	<2	38	<10	12	18
101415	CL408805	<0.005	<1	>10.00	14	309	<2	13	5.30	8	24	80	38	4.57	0.53	17	1.61	698	13	82	647	15	11	63	<10	433	3372	<2	91	<10	25	61
101416	CL408806	<0.005	<1	>10.00	18	258	<2	9	4.04	7	16	60	26	3.69	0.39	11	1.17	529	11	77	538	16	5	48	11	378	3008	<2	66	12	23	49

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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### Final Certificate

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 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
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 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/03/2013  
 Job #: 201310912  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101417	CL408807	1.019	<1	8.36	595	75	2	14	3.93	20	45	178	92	9.51	0.58	8	3.40	2179	<1	117	1909	<1	6	15	<10	465	8016	7	144	<10	30	120
101418	CL408808	<0.005	<1	9.27	9	<1	2	25	1.98	7	16	53	27	3.57	0.61	10	1.50	499	<1	72	418	5	<5	53	<10	360	2685	<2	65	<10	25	44
101419	CL408809	<0.005	<1	7.50	10	112	2	14	2.01	8	21	36	48	4.07	0.44	14	1.59	557	<1	48	414	3	6	39	<10	430	2971	<2	85	<10	20	70
101420	CL408810	<0.005	<1	7.82	2	<1	<2	36	3.44	17	55	967	9	8.22	0.65	39	5.81	1227	<1	381	827	4	15	25	<10	156	1318	<2	135	<10	16	124
101421	CL408811	<0.005	<1	9.66	9	<1	<2	21	4.12	14	44	799	20	6.64	0.85	35	5.31	1163	<1	306	806	1	5	45	<10	173	1306	<2	113	<10	20	87
101422	CL408812	<0.005	<1	7.82	15	<1	<2	22	2.80	12	38	365	68	6.13	0.62	23	3.70	874	<1	123	874	4	12	36	<10	259	1987	9	137	<10	18	70
101423	CL408813	<0.005	<1	2.49	7	236	2	10	1.25	6	15	29	12	3.17	0.47	<1	0.84	425	<1	45	395	3	<5	37	<10	302	2858	<2	52	<10	12	23
101424	CL408814	<0.005	<1	1.04	9	158	2	3	0.65	5	12	24	5	2.76	0.27	<1	0.73	390	<1	34	328	9	<5	32	<10	295	2500	<2	44	<10	10	25
101425D	CL408814	<0.005	<1	1.27	4	157	2	8	0.62	5	12	25	5	2.78	0.26	<1	0.73	397	<1	35	346	3	9	28	<10	291	2547	<2	45	<10	10	26
101426	CL408815	<0.005	<1	1.14	7	258	2	2	0.27	5	10	31	5	2.59	0.05	<1	0.69	385	<1	51	326	2	<5	23	<10	246	2360	<2	42	<10	9	25
101427	CL408816	<0.005	<1	8.42	7	139	2	21	0.43	4	9	31	6	2.39	0.42	11	0.98	363	<1	49	333	<1	<5	48	<10	261	2120	<2	34	<10	24	20
101428	CL408817	<0.005	<1	6.83	11	82	2	12	0.87	5	12	50	9	2.83	0.46	9	1.08	456	<1	58	332	<1	<5	32	<10	290	2345	<2	46	<10	21	36
101429	CL408818	<0.005	<1	9.55	<2	157	2	16	1.39	7	14	32	10	3.40	0.53	10	1.20	470	<1	54	492	2	8	39	<10	282	3256	<2	54	13	28	34
101430	CL408819	<0.005	<1	>10.00	10	371	4	18	3.62	13	30	50	29	6.55	0.76	24	2.02	944	5	92	1756	11	6	40	<10	754	6767	<2	138	<10	48	86
101431	CL408820	<0.005	<1	7.82	9	247	2	16	1.03	5	10	36	12	2.68	0.47	9	1.00	397	3	59	328	6	6	41	<10	212	2422	<2	41	<10	21	21
101432	CL408821	<0.005	<1	6.93	7	218	2	12	2.10	5	14	63	14	3.04	0.40	12	1.09	547	1	42	318	9	8	43	10	209	2544	<2	50	<10	19	35
101433	CL408822	<0.005	<1	5.65	8	301	2	10	<0.01	<4	3	29	5	1.35	0.42	<1	0.58	251	1	36	180	6	5	54	<10	212	1233	<2	13	<10	18	13
101434	CL408823	<0.005	<1	6.73	13	196	2	5	<0.01	<4	4	69	12	1.56	0.42	<1	0.61	219	8	93	193	3	8	53	<10	251	1207	<2	15	<10	21	8
101435	CL408824	<0.005	<1	6.83	14	84	2	14	1.94	7	18	342	16	3.78	0.90	26	2.69	792	3	122	778	3	10	23	<10	259	2733	<2	71	<10	21	60
101436D	CL408824	<0.005	<1	5.40	6	15	2	11	1.60	7	17	307	16	3.55	0.85	17	2.40	722	1	114	706	12	<5	44	<10	245	2519	<2	66	13	19	56

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Gogama, ON, CAN  
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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/03/2013  
 Job #: 201310912  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101437	CL408825	<0.005	<1	1.80	12	181	2	4	<0.01	<4	4	64	35	1.42	0.26	<1	0.50	235	7	66	193	4	5	34	<10	215	1237	<2	16	<10	11	13
101438	CL408826	<0.005	<1	2.00	12	232	2	4	<0.01	<4	4	41	4	1.35	0.13	<1	0.49	271	2	41	187	2	<5	30	<10	151	1241	<2	14	<10	9	14
101439	CL408827	<0.005	<1	4.42	8	152	2	17	<0.01	<4	4	52	6	1.53	0.27	<1	0.54	277	4	58	182	<1	<5	46	<10	160	1249	<2	14	<10	17	5
101440	CL408828	<0.005	<1	4.52	9	153	2	9	<0.01	<4	4	77	5	1.70	0.27	<1	0.55	278	9	91	186	5	<5	26	<10	181	1230	<2	15	<10	19	10
101441	CL408829	<0.005	<1	6.15	8	108	2	13	0.42	<4	3	61	3	1.83	0.33	<1	0.77	207	2	52	201	9	<5	42	<10	119	1222	<2	13	<10	20	5
101442	CL408830	0.012	<1	7.05	8	121	2	20	9.13	7	6	46	4	4.03	0.54	23	1.30	703	2	55	180	7	<5	41	10	227	1044	<2	15	<10	30	17
101443	CL408831	<0.005	<1	7.68	9	180	2	16	1.21	4	4	62	3	2.05	0.52	17	1.05	262	4	60	195	5	<5	45	<10	135	1262	<2	15	10	18	11
101444	CL408832	2.300	<1	6.15	1279	184	2	33	3.53	24	41	157	135	11.22	0.41	5	2.93	3454	<1	104	2120	6	12	40	11	404	6575	<2	140	<10	26	114
101445	CL408833	0.010	<1	5.06	6	164	2	17	<0.01	<4	1	58	3	1.47	0.23	7	0.71	146	6	58	189	5	9	37	<10	129	1248	<2	13	<10	12	8
101446	CL408834	0.005	<1	4.37	12	200	2	12	1.31	<4	2	39	3	2.20	0.49	16	0.88	325	2	49	178	3	10	40	<10	139	1140	<2	14	<10	14	10
101447D	CL408834	<0.005	<1	0.20	8	121	2	<1	0.81	<4	5	39	3	1.97	0.36	5	0.67	300	1	48	141	4	<5	37	<10	120	1036	<2	13	<10	9	14
101448	CL408835	<0.005	<1	<0.01	8	36	2	11	<0.01	<4	3	41	3	1.44	0.45	<1	0.55	183	2	51	147	11	<5	20	<10	104	1029	<2	12	<10	8	10
101449	CL408836	<0.005	<1	8.02	8	<1	<2	24	2.72	11	29	86	80	5.47	0.57	6	2.30	780	<1	84	1287	3	<5	34	<10	512	4689	<2	141	<10	24	36
101450	CL408837	0.005	<1	<0.01	<2	<1	<2	6	2.14	10	30	77	62	4.97	0.37	<1	1.63	758	<1	77	1019	8	<5	15	<10	436	4129	<2	136	<10	10	40
101451	CL408838	<0.005	<1	9.45	16	<1	2	12	3.11	12	32	86	88	5.83	0.77	20	2.55	820	<1	84	1206	<1	11	47	<10	492	4686	<2	150	<10	24	47
101452	CL408839	<0.005	<1	>10.00	6	82	2	33	2.18	9	31	114	29	4.81	0.49	24	2.00	662	10	150	828	4	11	46	10	438	3998	<2	116	<10	24	39
101453	CL408840	<0.005	<1	>10.00	3	43	2	19	3.46	11	31	94	58	5.67	0.69	27	2.27	878	9	129	1092	<1	7	47	10	452	5073	<2	137	<10	28	39
101454	CL408841	<0.005	<1	>10.00	10	<1	2	18	3.79	11	32	89	54	5.87	0.73	20	2.43	951	4	109	1169	2	12	39	10	445	5405	4	151	10	27	39
101455	CL408842	<0.005	<1	>10.00	7	<1	2	29	3.70	12	30	77	38	5.79	0.67	20	2.44	932	1	87	1139	5	<5	51	<10	411	5388	<2	148	<10	27	43
101456	CL408843	<0.005	<1	>10.00	9	14	2	23	3.65	12	29	106	59	5.86	0.61	23	2.45	894	8	134	1083	8	<5	59	<10	417	4883	21	135	11	28	43

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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101457	CL408844	<0.005	<1	>10.00	9	288	3	26	3.15	13	30	85	25	6.38	0.67	16	1.91	905	11	142	1874	13	10	36	10	679	6609	<2	130	<10	47	85
101458D	CL408844	IS																														
101459	CL408845	0.007	<1	8.41	12	<1	2	17	3.03	10	27	73	67	5.22	0.77	12	2.06	786	3	112	957	1	<5	39	<10	397	4494	<2	126	12	25	40
101460	CL408846	0.012	<1	7.21	9	<1	<2	18	2.43	10	23	57	71	4.79	0.66	4	1.80	733	2	94	863	2	<5	31	<10	343	4110	<2	113	<10	22	34
101461	CL408847	<0.005	<1	9.41	18	8	2	8	2.55	9	24	69	68	4.86	0.61	11	1.84	788	6	105	849	<1	7	38	<10	375	4064	<2	108	<10	28	38
101462	CL408848	0.008	<1	0.90	8	75	2	3	0.84	6	13	45	29	2.98	0.34	<1	0.80	471	2	69	436	1	<5	21	<10	305	2537	<2	59	<10	9	27
101463	CL408849	0.007	<1	8.60	11	<1	2	16	1.87	8	15	61	19	3.97	0.53	2	1.32	569	6	104	605	<1	<5	44	<10	365	3263	<2	68	11	25	36
101464	CL408850	0.014	<1	>10.00	10	115	2	28	2.08	8	19	86	43	4.19	0.55	18	1.66	627	6	107	532	7	9	37	<10	329	3033	<2	70	<10	32	40
101465	CL408851	0.017	<1	>10.00	8	49	2	14	2.43	8	19	90	14	4.38	0.65	11	1.79	663	6	109	602	<1	12	47	11	339	3317	<2	78	<10	30	43
101466	CL408852	0.026	<1	>10.00	5	49	2	15	2.27	8	20	68	23	4.25	0.60	11	1.74	643	2	77	609	3	9	39	<10	349	3481	<2	72	<10	26	49
101467	CL408853	<0.005	<1	9.76	12	<1	2	24	2.53	9	24	61	28	4.41	0.43	9	1.87	682	<1	54	587	<1	<5	66	<10	325	4390	<2	85	<10	26	46
101468	CL408854	0.014	<1	5.56	7	45	2	16	2.40	9	22	65	25	4.43	0.29	14	1.63	708	<1	65	459	4	<5	47	<10	318	3428	<2	90	<10	20	49
101469D	CL408854	0.007	<1	8.82	6	<1	2	23	2.31	9	21	63	24	4.37	0.79	8	1.89	690	<1	64	586	3	<5	35	13	311	3355	<2	87	<10	28	52
101470	CL408855	0.009	<1	8.91	7	<1	2	7	2.20	8	22	76	34	4.01	0.83	6	1.79	589	<1	69	606	3	11	39	<10	337	3085	<2	76	<10	24	59
101471	CL408856	0.009	<1	8.43	4	<1	2	29	2.14	8	21	70	28	3.95	0.78	6	1.78	572	<1	66	612	<1	15	47	<10	337	3152	<2	76	<10	23	49
101472	CL408857	0.231	<1	>10.00	22	534	3	22	1.05	9	20	70	2584	4.32	0.92	20	1.78	503	70	33	1057	21	13	49	12	421	4377	<2	108	15	35	56
101473	CL408858	<0.005	<1	<0.01	11	<1	2	4	1.65	8	22	66	166	3.92	0.40	9	1.07	615	<1	70	375	5	<5	18	<10	271	3273	<2	78	<10	11	44
101474	CL408859	<0.005	<1	1.00	7	28	2	15	0.42	5	12	42	14	2.77	0.28	<1	0.78	363	<1	57	368	3	<5	24	<10	243	2414	<2	48	<10	10	29
101475	CL408860	<0.005	<1	9.21	9	76	2	24	1.48	7	16	40	20	3.78	0.45	12	1.28	440	<1	48	580	2	<5	47	<10	337	3125	<2	58	<10	20	33
101476	CL408861	0.008	<1	6.23	7	154	2	9	0.70	4	9	28	7	2.45	0.24	5	0.82	300	<1	37	305	6	6	44	<10	294	2119	<2	31	<10	17	16

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By:   
 Dr. David Brown, VP Quality

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Tuesday, December 3, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/03/2013  
 Job #: 201310912  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101477	CL408862	<0.005	<1	7.19	10	168	2	7	0.67	4	8	21	15	2.23	0.33	3	0.77	274	<1	29	291	6	<5	33	<10	290	1987	<2	26	<10	18	16
101478	CL408863	<0.005	<1	5.13	11	174	2	11	0.45	<4	6	14	16	2.09	0.42	<1	0.69	266	<1	26	268	3	<5	42	<10	265	1886	<2	25	<10	15	15
101479	CL408864	<0.005	<1	6.56	7	189	2	15	0.45	<4	6	25	20	1.95	0.53	<1	0.71	244	<1	30	246	8	7	42	<10	284	1787	<2	22	<10	15	16
101480R	CL408864	0.011	<1	7.78	12	136	2	14	0.33	<4	6	29	20	1.93	0.69	<1	0.75	237	2	44	292	8	9	56	<10	274	1701	<2	22	<10	19	14
101481	CL408865	<0.005	<1	6.00	10	3	2	14	1.85	7	19	65	14	3.90	0.32	6	1.62	563	<1	64	584	3	8	34	<10	312	3308	<2	76	<10	20	99
101482	CL408866	<0.005	<1	6.92	5	6	2	17	2.18	8	21	67	22	4.06	0.26	9	1.65	579	<1	56	597	6	6	35	13	342	3438	<2	79	<10	21	60
101483	CL408867	<0.005	<1	8.74	19	36	2	18	2.37	9	20	79	18	4.20	0.54	12	1.81	612	<1	69	631	1	14	39	<10	361	3554	<2	82	<10	23	55
101484	CL408868	<0.005	<1	9.71	12	<1	<2	26	4.70	16	51	561	28	7.47	0.50	21	5.10	1288	<1	237	857	<1	15	42	<10	285	4426	<2	143	<10	21	136
101485	CL408869	<0.005	<1	9.63	2	383	4	16	3.52	13	31	42	29	6.46	0.41	24	1.93	960	3	52	1683	14	6	35	<10	739	6876	<2	137	<10	43	109
101486	CL408870	<0.005	<1	7.90	5	<1	<2	7	3.66	15	43	312	56	7.50	0.52	25	3.86	1055	<1	113	956	8	9	30	<10	364	5207	16	169	11	20	94
101487	CL408871	<0.005	<1	8.39	17	<1	2	16	1.67	7	17	82	14	3.64	0.37	1	1.57	518	4	73	553	6	6	41	12	320	2972	<2	66	<10	23	39
101488	CL408872	0.008	<1	4.47	8	122	2	17	1.17	6	14	46	12	3.08	0.39	5	1.26	455	<1	42	457	3	<5	35	<10	244	2663	<2	56	<10	19	35
101489	CL408873	0.022	<1	4.31	4	188	2	3	1.58	8	20	60	6	3.99	0.18	12	1.53	594	<1	51	558	1	<5	16	<10	206	3207	<2	73	<10	17	46
101490	CL408874	0.011	<1	3.10	7	96	2	13	1.20	8	19	72	3	4.20	0.28	8	1.56	569	<1	66	551	<1	<5	29	<10	230	3060	2	74	<10	17	49
101491D	CL408874	0.013	<1	2.69	8	160	2	14	1.20	9	20	75	5	4.26	0.22	8	1.53	581	<1	67	559	<1	<5	24	<10	239	3152	<2	75	<10	15	108
101492	CL408875	0.016	<1	2.83	13	215	2	13	1.43	9	21	76	15	4.47	0.02	9	1.49	598	1	65	610	4	<5	24	<10	244	3394	<2	77	<10	15	61
101493	CL408876	<0.005	<1	4.38	8	207	2	8	<0.01	<4	5	26	39	1.38	0.39	<1	0.59	203	2	35	199	2	9	47	<10	189	1280	<2	16	<10	18	7
101494	CL408877	0.010	<1	6.07	6	176	2	5	<0.01	<4	6	43	57	1.46	0.42	<1	0.63	205	4	55	200	6	6	49	<10	200	1233	<2	16	<10	19	8
101495	CL408878	0.013	<1	8.19	10	203	2	11	1.89	9	21	75	7	4.30	0.51	18	1.81	538	5	66	600	2	5	50	<10	386	3325	<2	78	<10	23	48
101496	CL408879	0.008	<1	8.88	6	42	2	25	3.07	8	22	77	19	4.29	0.38	18	1.90	666	<1	68	631	6	<5	32	<10	364	3507	<2	84	<10	23	48

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By:   
 Dr. David Brown, VP Quality

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Tuesday, December 3, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/03/2013  
 Job #: 201310912  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101497	CL408880	0.013	<1	7.94	10	136	2	13	2.23	8	20	67	41	4.03	0.58	7	1.73	603	<1	56	596	<1	9	36	<10	343	3377	<2	78	<10	22	50
101498	CL408881	<0.005	<1	8.33	7	202	2	9	1.75	7	18	65	19	3.78	0.52	13	1.54	491	2	63	558	3	10	47	<10	368	2997	<2	66	<10	22	37
101499	CL408882	1.475	<1	5.34	22	249	2	13	1.15	16	21	37	11980	7.71	0.49	11	1.87	572	549	21	1029	17	<5	33	15	563	3179	<2	154	<10	19	114
101500	CL408883	0.022	<1	3.22	5	31	2	17	1.74	8	17	66	11	3.80	0.50	10	1.52	504	<1	61	493	7	5	25	<10	431	2845	<2	70	<10	16	34
101501	CL408884	0.014	<1	4.56	5	113	2	5	1.81	8	19	79	16	4.45	0.43	10	1.78	488	<1	70	422	1	<5	32	<10	524	2564	<2	75	<10	14	32
101502D	CL408884	0.013	<1	2.60	4	91	<2	13	1.67	8	18	79	15	4.35	0.25	9	1.68	483	<1	70	396	6	7	25	<10	510	2518	<2	74	<10	12	36
101503	CL408885	0.006	<1	3.14	7	54	2	3	1.95	8	17	67	14	3.82	0.13	3	1.63	470	<1	75	407	3	7	24	12	627	2386	<2	71	<10	12	27
101504	CL408886	0.006	<1	3.17	8	541	3	<1	3.04	13	30	31	56	6.58	0.06	18	2.34	1127	<1	43	1841	8	<5	13	<10	699	4793	<2	159	<10	18	74
101505	CL408887	0.015	<1	9.17	8	514	4	15	4.16	16	37	29	59	7.56	0.49	27	3.00	1303	<1	36	2068	9	11	26	<10	937	5334	3	179	10	30	87
101506	CL408888	0.016	<1	7.15	11	458	4	24	3.87	14	35	31	66	7.21	0.39	25	2.76	1284	<1	30	1925	6	<5	34	10	1079	5253	<2	170	<10	26	89
101507	CL408889	0.011	<1	9.09	13	103	2	10	2.40	9	21	82	25	4.39	0.28	9	1.91	700	2	93	690	6	5	53	10	884	3413	<2	86	<10	24	41
101508	CL408890	0.008	<1	8.78	10	120	2	8	1.81	7	18	63	14	3.87	0.38	7	1.72	581	<1	62	533	1	5	41	<10	728	3066	<2	72	<10	21	37
101509	CL408891	0.006	<1	8.95	4	440	3	24	4.59	16	37	18	95	7.77	0.42	22	2.84	1309	<1	33	2221	7	<5	27	11	1016	5580	<2	183	<10	29	83
101510	CL408892	0.007	<1	8.18	5	478	4	13	4.47	18	40	19	66	8.44	0.35	16	3.18	1394	<1	28	2144	2	7	19	<10	861	5879	2	197	12	27	97
101511	CL408893	0.009	<1	8.77	10	348	3	19	3.52	12	33	24	86	6.34	0.38	19	2.49	1065	<1	35	1648	8	<5	39	10	920	4663	22	146	<10	27	73
101512	CL408894	<0.005	<1	5.08	10	313	3	13	2.71	12	28	25	24	6.00	0.29	6	1.69	920	<1	38	1667	9	9	32	<10	656	6721	<2	130	<10	33	86
101513D	CL408894	IS																														
101514	CL408895	0.007	<1	3.61	2	10	2	12	1.07	7	15	57	29	3.45	0.18	<1	1.26	499	1	66	558	8	<5	24	<10	488	2882	<2	66	<10	17	33
101515	CL408896	<0.005	<1	3.68	12	46	2	15	1.42	7	18	36	25	3.53	0.22	<1	1.37	578	<1	50	566	6	<5	42	<10	419	3108	<2	73	<10	17	36
101516	CL408897	0.007	<1	<0.01	3	<1	<2	<1	0.11	5	16	22	23	2.60	<0.01	<1	0.92	429	<1	40	384	<1	<5	9	<10	224	2049	<2	60	<10	10	33

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Tuesday, December 3, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/03/2013  
 Job #: 201310912  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101517	CL408898	0.015	<1	4.32	8	51	2	25	1.80	7	20	38	22	3.78	0.40	41	1.53	629	<1	51	652	7	12	27	<10	336	3316	<2	80	<10	20	50
101518	CL408899	0.007	<1	6.27	10	131	2	16	1.83	7	17	44	19	3.62	0.51	36	1.57	639	<1	58	589	4	12	36	<10	354	3183	<2	73	10	23	45
101519	CL408900	0.005	<1	8.04	15	150	2	20	2.08	8	20	70	4	4.10	0.33	57	1.87	641	<1	79	605	7	8	41	<10	375	3403	<2	80	<10	23	53
101520	CL408901	0.008	<1	8.48	8	117	2	29	2.03	7	19	67	253	3.76	0.68	35	1.75	578	<1	79	564	6	<5	46	<10	346	3179	<2	75	12	23	46
101521	CL408902	0.007	<1	9.29	10	64	2	31	2.82	9	23	88	14	4.55	0.44	39	2.01	682	2	95	654	<1	6	33	<10	382	3730	<2	90	<10	24	62
101522	CL408903	<0.005	<1	7.86	13	208	2	31	2.56	8	28	82	27	4.46	0.32	37	1.96	683	<1	83	669	9	14	54	<10	421	3726	<2	90	<10	22	57
101523	CL408904	<0.005	<1	5.36	11	224	2	15	3.16	11	26	136	54	5.16	0.47	41	2.50	848	<1	71	1694	15	12	29	10	697	4157	<2	120	<10	22	76
101524D	CL408904	0.011	<1	4.82	10	213	2	19	3.00	10	31	137	51	5.05	0.47	39	2.44	841	<1	72	1670	9	11	41	<10	675	4106	<2	118	<10	22	68
101525	CL408905	0.011	<1	3.38	11	87	2	31	1.31	7	20	67	27	3.63	0.41	26	1.62	589	<1	76	565	8	8	27	<10	353	3066	<2	76	10	16	49
101526	CL408906	0.059	<1	3.52	13	237	2	16	1.60	8	21	84	23	4.16	0.35	38	1.72	634	2	94	576	7	7	40	<10	333	3096	<2	82	<10	16	56
101527	CL408907	<0.005	<1	3.54	7	139	2	12	1.67	8	22	67	15	3.91	0.26	35	1.57	582	<1	73	574	9	7	25	<10	323	3323	<2	80	<10	15	51
101528	CL408908	0.008	<1	3.52	10	155	2	17	1.31	7	20	65	8	3.72	0.09	30	1.57	581	<1	73	545	4	5	24	10	315	3059	<2	74	<10	16	54
101529	CL408909	<0.005	<1	>10.00	13	22	2	20	2.07	8	24	72	12	4.33	0.49	52	2.08	648	<1	74	687	5	8	53	14	482	3701	2	88	<10	28	50
101530	CL408910	0.012	<1	4.29	8	<1	<2	30	4.54	14	53	650	48	7.14	0.35	66	4.94	1325	<1	239	575	7	14	18	11	204	2750	36	141	<10	16	94
101531	CL408911	<0.005	<1	5.04	8	<1	<2	31	4.09	14	45	430	58	7.34	0.47	76	4.23	1291	<1	139	489	3	8	40	11	238	2479	14	166	<10	15	89
101532	CL408912	<0.005	<1	6.88	13	150	2	10	3.30	14	39	234	44	6.78	0.49	66	3.54	1093	<1	76	1157	<1	8	37	15	339	3298	4	164	<10	19	77
101533	CL408913	<0.005	<1	7.61	6	32	2	27	3.00	10	32	120	22	5.72	0.51	53	2.88	852	<1	56	1690	2	7	48	15	391	3645	18	135	<10	24	72
101534	CL408914	<0.005	<1	5.97	12	26	<2	13	4.46	15	42	317	54	7.28	0.57	71	3.89	1203	<1	97	508	3	9	25	<10	228	2973	<2	170	<10	17	101
101535D	CL408914	<0.005	<1	4.68	11	3	<2	23	4.08	14	41	305	50	6.96	0.58	67	3.73	1172	<1	92	489	13	9	42	<10	216	2914	<2	166	15	16	103
101536	CL408915	0.005	<1	2.45	12	<1	<2	14	2.72	15	45	499	8	7.13	0.43	67	4.17	1139	<1	170	442	11	11	31	<10	163	2815	<2	151	<10	13	183

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/03/2013  
 Job #: 201310912  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101537	CL408916	<0.005	<1	3.03	11	<1	2	20	1.08	7	21	75	17	3.68	0.42	26	1.68	564	<1	62	528	2	6	27	<10	313	2947	3	75	<10	18	47
101538	CL408917	0.025	<1	2.54	3	22	2	16	<0.01	<4	8	11	17	1.79	0.19	25	0.76	294	<1	35	297	16	<5	31	<10	254	1878	<2	31	<10	12	23
101539	CL408918	0.007	<1	2.31	12	<1	2	4	0.17	<4	8	19	18	2.12	0.11	17	0.71	301	<1	47	296	7	8	43	<10	265	1967	<2	29	<10	11	22
101540	CL408919	<0.005	<1	2.60	6	<1	2	11	1.78	8	21	75	9	4.10	0.14	26	1.52	691	<1	75	564	13	11	32	<10	345	3267	<2	81	<10	14	53
101541	CL408920	<0.005	<1	3.54	11	<1	2	17	0.93	5	19	64	17	3.04	0.37	29	1.47	511	<1	61	449	1	10	40	<10	298	2465	<2	62	<10	16	40
101542	CL408921	<0.005	<1	3.51	6	<1	<2	17	3.87	17	59	773	25	8.48	0.35	49	5.48	1565	<1	295	731	4	10	21	10	234	4370	<2	173	<10	16	125
101543	CL408922	0.026	<1	3.75	9	<1	<2	25	4.25	15	53	468	43	7.79	0.33	32	4.54	1348	<1	176	791	5	7	39	<10	319	4604	<2	180	<10	16	98
101544	CL408923	<0.005	<1	7.53	4	<1	2	22	3.81	13	41	257	32	6.72	0.40	46	3.47	1075	<1	107	742	14	9	31	10	372	4333	<2	155	<10	20	85
101545	CL408924	<0.005	<1	4.44	6	<1	<2	8	2.25	8	23	184	43	4.17	0.33	30	2.26	747	<1	95	503	<1	11	44	16	266	2735	<2	78	10	19	54
101546R	CL408924	<0.005	<1	6.92	6	<1	<2	20	2.99	8	26	205	33	4.43	0.36	38	2.44	818	<1	102	559	6	11	45	10	291	2945	<2	84	<10	21	60
101547	CL408925	<0.005	<1	8.17	13	<1	<2	22	2.03	9	29	197	33	4.79	0.32	28	2.95	838	<1	80	516	1	6	62	<10	270	2989	<2	104	<10	23	92
101548	CL408926	<0.005	<1	3.10	7	<1	2	6	0.59	5	13	32	11	2.60	0.24	32	1.18	441	<1	42	378	7	<5	38	10	273	2306	<2	48	<10	16	36

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 11/27/2013  
 Job #: 201310913  
 Reference: CL sample series  
 Sample #: 157

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101549	CL1299001	0.007	<1	2.70	3	<1	2	<1	<0.01	<4	7	54	102	1.20	<0.01	<1	0.62	108	3	43	231	<1	12	24	<10	139	1645	<2	21	<10	12	14
101550	CL1299002	0.012	<1	0.96	7	<1	2	<1	<0.01	<4	9	37	92	0.89	<0.01	<1	0.51	<100	3	45	165	<1	<5	22	11	135	1407	<2	17	12	15	63
101551	CL1299003	0.089	<1	2.28	5	<1	2	<1	<0.01	<4	7	51	5	1.45	<0.01	<1	0.90	116	5	49	144	<1	<5	36	10	148	1194	<2	19	26	14	<1
101552	CL1299004	0.008	<1	5.85	<2	<1	<2	<1	3.28	9	48	50	124	8.33	<0.01	<1	2.44	1208	<1	67	676	<1	<5	30	14	232	6232	<2	232	12	31	59
101553	CL1299005	0.006	<1	7.93	7	<1	2	<1	<0.01	<4	10	94	8	1.95	<0.01	<1	1.50	162	4	51	270	<1	7	43	13	137	1774	<2	29	<10	37	3
101554	CL1299006	0.011	<1	3.68	11	<1	2	<1	<0.01	<4	6	52	5	1.44	<0.01	<1	0.88	104	6	45	144	<1	7	47	10	145	1223	<2	18	41	15	<1
101555	CL1299007	0.011	<1	1.49	9	508	<2	<1	0.55	<4	8	69	10	1.06	<0.01	<1	0.33	<100	12	43	181	<1	9	35	10	207	1080	<2	16	23	11	<1
101556	CL1299008	0.018	<1	<0.01	11	193	2	<1	0.86	7	31	479	8	6.26	<0.01	126	4.85	380	7	118	1020	<1	13	11	13	151	1477	4	147	12	8	45
101557	CL1299009	0.017	<1	<0.01	8	213	2	<1	0.97	6	30	429	7	5.81	<0.01	146	4.95	375	6	100	1121	<1	6	<5	11	160	1832	<2	165	16	9	43
101558	CL1299010	1.837	<1	1.22	573	423	<2	<1	4.77	8	45	164	78	7.69	<0.01	<1	2.32	1526	7	114	1507	<1	5	16	10	423	6793	<2	124	10	13	66
101559D	CL1299010	IS																														
101560	CL1299011	<0.005	<1	1.17	12	445	<2	<1	0.87	<4	10	58	11	1.00	<0.01	<1	0.32	104	9	18	210	<1	<5	35	11	205	977	<2	16	23	10	<1
101561	CL1299012	0.019	<1	<0.01	11	441	2	<1	0.49	<4	5	53	25	0.93	<0.01	<1	0.17	<100	10	22	135	2	5	20	12	193	868	<2	12	20	10	<1
101562	CL1299013	0.013	<1	<0.01	6	570	2	<1	1.19	<4	5	63	118	1.09	<0.01	<1	0.18	<100	14	34	132	5	<5	32	<10	221	966	<2	12	10	14	<1
101563	CL1299014	0.031	<1	5.21	15	596	2	<1	1.44	<4	4	64	43	1.18	<0.01	<1	0.33	<100	23	42	191	<1	<5	47	12	235	1097	<2	13	<10	22	<1
101564	CL1299015	<0.005	<1	4.28	10	540	2	<1	1.22	<4	5	56	11	0.99	<0.01	<1	0.28	<100	11	25	172	<1	5	37	10	258	1070	<2	13	18	19	<1
101565	CL1299016	0.038	<1	3.14	6	598	2	<1	1.01	<4	8	81	11	1.64	<0.01	<1	0.60	109	15	40	212	<1	<5	39	12	221	1223	<2	22	23	14	<1
101566	CL1299017	<0.005	<1	2.87	13	559	2	<1	1.29	<4	6	69	14	1.02	<0.01	<1	0.29	<100	12	29	180	<1	10	40	<10	235	1036	<2	16	26	13	<1
101567	CL1299018	0.016	<1	2.01	12	567	2	<1	1.08	<4	7	56	12	0.86	<0.01	<1	0.22	<100	9	24	175	<1	<5	16	<10	216	963	<2	13	15	13	<1
101568	CL1299019	0.005	<1	0.85	13	505	2	<1	0.70	<4	5	61	8	1.00	<0.01	<1	0.27	<100	10	23	187	<1	<5	39	<10	225	969	<2	12	24	13	<1

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By:   
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Tuesday, December 3, 2013


## Final Certificate

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 Gogama, ON, CAN  
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 Date Received: 11/14/2013  
 Date Completed: 11/27/2013  
 Job #: 201310913  
 Reference: CL sample series  
 Sample #: 157

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101569	CL1299020	0.008	<1	1.44	13	494	2	<1	0.94	<4	6	66	8	0.97	<0.01	<1	0.22	<100	11	28	197	<1	<5	22	<10	246	976	<2	12	19	14	<1
101570D	CL1299020	0.009	<1	0.75	11	465	2	<1	0.76	<4	5	68	8	0.96	<0.01	<1	0.21	<100	10	27	204	<1	<5	35	<10	236	996	<2	12	21	12	<1
101571	CL1299021	<0.005	<1	1.78	12	530	2	<1	0.56	<4	6	72	7	0.99	<0.01	<1	0.28	<100	10	24	246	<1	7	29	11	215	879	<2	13	26	10	<1
101572	CL1299022	0.008	<1	1.30	19	540	2	<1	0.75	<4	7	73	10	1.16	<0.01	<1	0.30	<100	14	33	229	<1	9	37	10	206	1052	<2	16	28	10	<1
101573	CL1299023	<0.005	<1	<0.01	5	520	2	<1	0.71	<4	6	63	7	1.11	<0.01	<1	0.29	<100	11	26	148	<1	7	20	12	236	1016	<2	14	30	11	<1
101574	CL1299024	<0.005	<1	>10.00	21	638	3	<1	1.45	<4	6	89	9	1.08	<0.01	<1	0.55	<100	14	29	322	<1	7	69	14	308	1346	<2	16	<10	32	<1
101575	CL1299025	<0.005	<1	5.84	17	641	2	1	1.32	<4	18	125	9	2.08	<0.01	29	1.36	139	14	44	303	<1	10	47	11	253	1306	<2	39	28	17	14
101576	CL1299026	0.008	<1	>10.00	19	471	2	<1	1.53	6	23	406	7	5.80	<0.01	148	5.60	381	6	81	1204	<1	13	41	16	198	2335	<2	118	21	16	48
101577	CL1299027	0.501	<1	9.90	222	515	<2	<1	6.65	9	57	214	70	8.38	<0.01	11	3.49	1283	8	139	1637	<1	9	37	11	532	9196	2	147	19	23	82
101578	CL1299028	0.006	<1	3.53	13	540	<2	<1	0.98	<4	9	65	9	1.00	<0.01	<1	0.44	<100	14	47	199	<1	<5	45	<10	259	904	<2	18	33	8	<1
101579	CL1299029	0.009	<1	1.41	10	452	<2	<1	0.68	<4	6	62	9	1.03	<0.01	<1	0.43	<100	11	36	185	<1	<5	27	11	239	1016	<2	21	25	7	17
101580	CL1299030	0.015	<1	9.21	13	391	<2	<1	0.82	<4	9	152	8	1.98	<0.01	26	2.09	136	11	56	441	<1	<5	47	13	228	1186	<2	34	28	13	12
101581D	CL1299030	0.042	<1	<0.01	10	427	<2	<1	0.41	<4	8	155	8	2.08	0.13	18	1.16	153	15	62	407	2	10	16	<10	213	1054	<2	37	23	7	7
101582	CL1299031	0.012	<1	0.79	13	416	<2	<1	0.66	<4	8	63	24	1.46	<0.01	<1	0.63	114	13	39	244	16	7	12	12	203	1294	<2	30	<10	10	15
101583	CL1299032	0.008	<1	8.72	9	1239	3	<1	0.60	6	22	49	6	5.99	0.17	90	4.87	365	5	58	451	<1	9	33	15	174	2050	<2	148	48	13	35
101584	CL1299033	0.012	<1	6.64	12	441	3	2	0.76	5	24	318	6	5.47	<0.01	74	4.51	378	34	71	912	<1	7	54	10	176	1808	<2	115	29	23	57
101585	CL1299034	<0.005	<1	>10.00	16	195	3	1	1.17	5	30	575	6	5.35	<0.01	104	5.49	357	6	74	1564	<1	10	62	14	231	2195	<2	94	15	45	56
101586	CL1299035	0.011	<1	>10.00	15	217	<2	<1	1.44	6	32	574	8	5.83	<0.01	78	4.52	395	5	80	1545	<1	14	40	15	234	3541	<2	103	23	49	66
101587	CL1299036	<0.005	<1	>10.00	13	247	<2	<1	3.37	<4	6	34	96	0.87	<0.01	<1	0.27	100	7	30	353	<1	<5	80	13	239	1777	<2	19	11	37	<1
101588	CL1299037	<0.005	<1	8.40	16	246	<2	<1	2.00	<4	5	39	64	0.74	<0.01	<1	0.17	<100	11	33	258	<1	9	62	10	237	1552	<2	16	18	26	<1

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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### Final Certificate

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 Date Received: 11/14/2013  
 Date Completed: 11/27/2013  
 Job #: 201310913  
 Reference: CL sample series  
 Sample #: 157

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101589	CL1299038	0.032	<1	8.73	19	182	4	<1	1.28	<4	6	32	10	1.03	<0.01	<1	0.23	<100	9	36	263	<1	7	53	11	235	1649	<2	18	<10	55	<1
101590	CL1299039	0.013	<1	<0.01	12	33	2	<1	0.94	<4	5	20	9	0.59	<0.01	<1	0.14	<100	4	23	158	<1	11	24	10	169	1276	<2	13	14	23	<1
101591	CL1299040	<0.005	<1	5.97	18	364	<2	<1	5.35	9	50	61	144	8.69	<0.01	6	2.29	1318	5	66	640	<1	10	26	12	261	6290	<2	260	19	28	79
101592D	CL1299040															IS																
101593	CL1299041	0.016	<1	0.45	11	254	<2	<1	1.04	<4	7	91	98	0.75	<0.01	<1	0.13	<100	12	36	211	<1	<5	45	<10	201	1332	<2	17	25	14	<1
101594	CL1299042	0.010	<1	1.98	9	242	<2	<1	3.70	7	30	515	7	6.84	<0.01	66	4.02	875	7	106	1196	<1	10	25	<10	201	3946	4	146	12	25	92
101595	CL1299043	0.009	<1	1.17	19	222	<2	<1	3.94	6	36	452	7	5.96	<0.01	53	3.47	791	5	94	1159	<1	12	19	<10	214	3749	11	141	24	21	80
101596	CL1299044	<0.005	<1	<0.01	8	496	2	<1	1.10	<4	8	70	13	1.30	<0.01	<1	0.39	137	9	20	243	<1	<5	28	<10	258	1096	<2	24	22	9	<1
101597	CL1299045	0.012	<1	3.64	10	575	3	<1	1.76	<4	6	67	13	1.12	<0.01	<1	0.26	102	12	24	183	<1	<5	52	11	259	1116	<2	14	<10	24	<1
101598	CL1299046	0.010	<1	5.06	12	667	2	<1	1.67	<4	5	53	22	1.19	<0.01	<1	0.20	<100	10	20	193	<1	8	36	<10	292	976	<2	12	27	20	<1
101599	CL1299047	0.006	<1	4.90	9	636	2	<1	2.90	<4	8	69	66	1.23	<0.01	<1	0.38	193	10	33	223	<1	5	47	10	279	1070	<2	20	11	23	<1
101600	CL1299048	<0.005	<1	9.59	5	323	<2	<1	4.06	6	25	360	8	5.82	<0.01	68	3.59	698	8	85	1079	<1	7	38	<10	272	2474	<2	117	22	20	59
101601	CL1299049	0.009	<1	1.70	11	642	2	<1	1.74	<4	10	54	31	1.22	<0.01	<1	0.24	123	10	23	191	<1	11	47	10	252	957	<2	16	18	16	<1
101602	CL1299050	0.016	<1	<0.01	11	585	2	<1	1.44	<4	7	57	27	1.06	<0.01	<1	0.17	108	10	18	157	2	5	36	12	227	856	<2	12	21	15	<1
101603D	CL1299050	0.016	<1	0.55	9	588	2	<1	1.43	<4	7	54	30	1.11	<0.01	<1	0.17	111	11	21	172	<1	<5	25	<10	230	880	<2	13	16	15	<1
101604	CL1299051	0.018	<1	1.08	9	506	2	<1	1.61	<4	4	73	26	0.89	<0.01	<1	0.15	107	12	20	191	<1	5	29	<10	235	939	<2	12	29	17	<1
101605	CL1299052	0.011	<1	<0.01	10	630	2	<1	1.03	<4	12	66	13	0.97	<0.01	<1	0.16	<100	9	19	191	<1	<5	19	11	229	920	<2	15	26	11	<1
101606	CL1299053	1.795	<1	1.26	634	484	<2	<1	5.26	9	49	179	87	8.37	<0.01	<1	2.38	1649	8	124	1600	<1	5	<5	11	448	7404	<2	132	19	13	79
101607	CL1299054	0.010	<1	0.79	12	575	2	<1	1.56	<4	14	131	13	1.84	<0.01	<1	0.71	231	8	35	351	<1	<5	28	<10	248	1262	<2	35	17	11	3
101608	CL1299055	0.009	<1	1.64	11	639	2	<1	1.53	<4	11	46	20	0.93	<0.01	<1	0.17	119	9	22	200	<1	<5	22	10	230	875	<2	12	<10	12	<1

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Date Received: 11/14/2013  
 Date Completed: 11/27/2013  
 Job #: 201310913  
 Reference: CL sample series  
 Sample #: 157

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101609	CL1299056	<0.005	<1	1.29	18	689	2	<1	1.93	<4	11	57	26	0.94	<0.01	<1	0.19	144	9	23	178	<1	<5	34	11	274	973	<2	14	24	16	<1
101610	CL1299057	0.008	<1	2.54	16	710	2	<1	1.92	<4	13	54	26	1.02	<0.01	<1	0.26	135	10	26	208	<1	<5	48	10	250	1037	<2	17	33	15	<1
101611	CL1299058	0.005	<1	1.84	11	704	2	<1	2.98	<4	11	76	47	1.15	<0.01	<1	0.20	233	14	48	211	<1	7	41	<10	254	1070	<2	16	23	16	<1
101612	CL1299059	0.010	<1	3.00	10	765	2	<1	1.84	<4	5	65	48	1.29	<0.01	<1	0.20	127	15	51	203	<1	<5	44	13	271	1085	<2	15	25	18	<1
101613	CL1299060	0.013	<1	1.88	7	721	2	<1	1.69	<4	10	71	40	1.31	<0.01	<1	0.18	122	16	52	186	<1	8	26	<10	278	1070	<2	15	10	21	<1
101614R	CL1299060	0.021	<1	2.96	11	709	2	<1	1.73	<4	11	73	39	1.26	<0.01	<1	0.20	120	16	42	197	<1	5	38	12	277	1062	<2	14	36	22	<1
101615	CL1299061	0.011	<1	<0.01	11	707	2	<1	1.16	<4	8	64	29	1.23	<0.01	<1	0.14	100	16	58	127	<1	6	14	<10	260	1091	<2	16	18	13	4
101616	CL1299062	0.026	<1	0.88	12	813	2	<1	1.53	<4	8	74	45	1.56	<0.01	<1	0.16	123	18	55	152	<1	10	19	13	282	1430	<2	14	22	20	<1
101617	CL1299063	0.017	<1	0.11	11	851	2	<1	1.54	<4	6	77	53	1.43	<0.01	<1	0.14	107	18	48	114	2	<5	29	11	263	1332	<2	14	10	20	<1
101618	CL1299064	<0.005	<1	2.34	10	816	2	<1	1.80	<4	7	76	41	1.44	<0.01	<1	0.16	111	14	55	121	<1	11	33	11	302	1379	<2	15	18	18	<1
101619	CL1299065	0.029	<1	4.29	13	1075	2	<1	2.00	<4	9	80	45	1.51	<0.01	<1	0.21	120	15	49	136	<1	<5	52	10	320	1485	<2	17	27	19	<1
101620	CL1299066	0.012	<1	5.31	17	542	<2	<1	7.25	12	66	77	186	11.03	<0.01	11	2.49	1588	10	85	678	<1	6	23	18	318	7344	<2	327	18	28	95
101621	CL1299067	0.104	<1	1.23	12	946	2	<1	1.95	<4	9	57	28	1.10	<0.01	<1	0.17	120	12	39	138	<1	<5	36	14	278	1278	<2	17	<10	17	<1
101622	CL1299068	0.039	<1	0.94	15	805	2	<1	1.91	<4	5	58	61	1.10	<0.01	<1	0.14	109	12	38	161	<1	<5	35	<10	274	1250	<2	14	<10	15	<1
101623	CL1299069	0.012	<1	0.99	6	751	2	<1	1.47	<4	5	64	52	1.31	<0.01	<1	0.13	105	12	34	184	2	9	32	11	287	1273	<2	14	<10	11	<1
101624	CL1299070	0.008	<1	0.33	10	683	2	<1	1.31	<4	6	74	28	1.63	<0.01	<1	0.17	122	13	43	220	<1	6	31	<10	343	1598	<2	17	17	15	<1
101625D	CL1299070	0.013	<1	<0.01	12	624	2	<1	1.17	<4	7	57	24	1.39	<0.01	<1	0.15	108	11	36	226	1	<5	23	<10	309	1446	<2	15	18	13	<1
101626	CL1299071	0.021	<1	0.62	8	564	2	<1	1.40	<4	9	69	29	1.27	<0.01	<1	0.16	117	15	52	241	<1	<5	27	<10	317	1405	<2	17	28	15	<1
101627	CL1299072	0.022	<1	<0.01	10	567	2	<1	1.52	<4	6	75	15	0.77	<0.01	<1	0.10	105	12	31	<100	5	6	25	<10	294	999	<2	15	22	9	<1
101628	CL1299073	0.013	<1	1.06	14	552	2	<1	2.64	<4	7	103	32	1.72	<0.01	<1	0.37	225	23	65	160	<1	<5	24	13	370	1511	<2	25	14	16	7

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Tuesday, December 3, 2013


## Final Certificate

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 Gogama, ON, CAN  
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 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 11/27/2013  
 Job #: 201310913  
 Reference: CL sample series  
 Sample #: 157

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101629	CL1299074	0.005	<1	4.28	14	694	2	<1	2.45	<4	12	81	42	1.73	<0.01	<1	0.47	197	15	47	250	<1	<5	34	<10	483	1838	<2	31	<10	15	6
101630	CL1299075	<0.005	<1	6.83	10	1034	<2	<1	2.82	<4	10	61	23	1.94	0.10	<1	0.52	219	9	28	380	<1	5	40	<10	533	2047	<2	37	20	6	5
101631	CL1299076	0.009	<1	8.21	18	1043	<2	<1	3.28	<4	10	45	40	1.84	<0.01	<1	0.55	240	9	32	453	<1	<5	38	<10	438	2053	<2	36	<10	6	10
101632	CL1299077	0.009	<1	4.07	11	964	<2	<1	2.63	<4	9	51	37	1.89	<0.01	<1	0.45	213	10	27	303	<1	<5	35	<10	425	1984	<2	36	12	5	7
101633	CL1299078	0.006	<1	1.42	7	958	<2	<1	2.86	<4	12	53	44	2.10	<0.01	<1	0.44	298	7	27	331	<1	5	34	10	425	2083	<2	38	<10	4	7
101634	CL1299079	1.193	6	<0.01	259	780	<2	7	1.87	5	20	225	121	4.17	<0.01	<1	0.59	299	9	41	504	224	47	12	<10	521	3115	<2	76	16	5	61
101635	CL1299080	0.011	<1	<0.01	10	899	<2	<1	1.94	<4	10	40	34	1.88	<0.01	<1	0.28	234	7	25	336	<1	<5	24	10	370	1916	<2	36	10	3	5
101636D	CL1299080	<0.005	<1	<0.01	17	899	<2	<1	1.95	<4	10	36	35	1.78	<0.01	<1	0.30	226	7	22	392	<1	<5	19	<10	365	1875	<2	35	<10	3	5
101637	CL1299081	<0.005	<1	<0.01	5	679	<2	<1	1.68	<4	10	23	34	1.59	<0.01	<1	0.31	227	6	22	381	<1	<5	16	<10	289	1592	<2	31	<10	3	<1
101638	CL1299082	<0.005	<1	1.25	14	1188	<2	<1	3.15	<4	9	42	35	1.62	<0.01	<1	0.24	216	16	27	460	5	<5	27	<10	357	1808	<2	35	<10	3	6
101639	CL1299083	<0.005	<1	8.04	15	905	<2	<1	3.33	<4	11	32	38	2.12	<0.01	<1	0.58	285	9	28	557	<1	8	48	<10	349	2068	<2	39	15	6	10
101640	CL1299084	<0.005	<1	1.60	8	818	<2	<1	3.16	<4	11	31	19	2.05	<0.01	<1	0.46	317	5	20	305	<1	<5	30	<10	358	1964	<2	39	22	4	9
101641	CL1299085	<0.005	<1	7.65	16	972	<2	<1	3.33	<4	14	34	28	2.32	<0.01	<1	0.60	283	8	29	422	<1	<5	42	11	385	2180	<2	40	10	6	12
101642	CL1299086	<0.005	<1	7.99	11	735	<2	<1	2.52	<4	10	29	22	2.00	<0.01	<1	0.62	246	6	26	569	<1	<5	36	11	384	2106	<2	38	<10	6	9
101643	CL1299087	<0.005	<1	8.05	15	838	<2	<1	2.64	<4	11	26	9	1.99	<0.01	<1	0.62	252	7	23	556	<1	6	44	10	345	2011	<2	37	21	6	6
101644	CL1299088	<0.005	<1	7.77	11	832	<2	<1	3.26	<4	11	24	11	1.90	<0.01	<1	0.56	265	6	22	457	<1	7	36	10	395	1999	<2	36	20	6	12
101645	CL1299089	<0.005	<1	2.75	7	547	<2	<1	1.59	<4	8	13	6	1.57	<0.01	<1	0.45	187	2	15	360	<1	<5	33	<10	299	1679	<2	30	12	4	4
101646	CL1299090	<0.005	<1	<0.01	12	596	<2	<1	1.72	<4	9	27	5	1.81	<0.01	<1	0.38	232	5	44	317	<1	<5	24	<10	337	1836	<2	34	<10	3	4
101647D	CL1299090	<0.005	<1	1.03	3	381	<2	<1	0.97	<4	8	18	4	1.76	<0.01	<1	0.51	223	<1	34	427	<1	<5	21	11	307	1744	<2	32	10	4	1
101648	CL1299091	<0.005	<1	0.38	8	693	<2	<1	1.50	<4	8	18	7	1.63	<0.01	<1	0.40	201	4	33	372	<1	5	19	<10	265	1622	<2	30	<10	3	<1

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Date Received: 11/14/2013  
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 Job #: 201310913  
 Reference: CL sample series  
 Sample #: 157

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101649	CL1299092	<0.005	<1	<0.01	14	846	<2	<1	5.50	11	54	38	157	9.35	<0.01	<1	1.13	1351	8	54	1084	8	5	14	<10	450	7910	<2	253	<10	13	75
101650	CL1299093	<0.005	<1	<0.01	6	979	<2	<1	2.78	<4	10	30	9	1.62	<0.01	<1	0.26	235	10	28	396	<1	7	20	<10	362	1828	<2	35	24	3	7
101651	CL1299094	0.006	<1	<0.01	13	956	<2	<1	2.13	<4	9	27	8	1.78	<0.01	<1	0.32	232	7	34	293	<1	<5	19	<10	342	1911	<2	36	20	3	6
101652	CL1299095	0.011	<1	2.60	8	1004	<2	<1	2.56	<4	9	33	9	1.84	<0.01	<1	0.41	277	8	39	277	<1	<5	36	<10	339	1840	<2	37	15	4	3
101653	CL1299096	<0.005	<1	7.15	10	1046	<2	<1	3.25	<4	9	35	17	1.93	<0.01	<1	0.57	255	9	37	403	<1	10	44	11	352	2046	<2	38	11	6	5
101654	CL1299097	0.013	<1	8.03	13	558	2	<1	3.20	<4	8	54	22	1.05	<0.01	<1	0.26	177	14	57	387	<1	<5	59	13	292	1362	<2	18	16	18	<1
101655	CL1299098	<0.005	<1	8.38	16	726	3	<1	2.78	<4	12	55	39	1.30	<0.01	<1	0.34	162	15	61	356	<1	6	49	11	343	1630	<2	23	19	25	<1
101656	CL1299099	0.009	<1	6.35	13	632	2	<1	2.81	<4	10	60	35	1.45	<0.01	<1	0.34	198	15	73	174	<1	<5	46	<10	343	1376	<2	19	14	18	<1
101657	CL1299100	<0.005	<1	2.17	9	523	2	<1	3.23	<4	15	127	26	2.25	<0.01	<1	0.67	322	12	62	234	<1	<5	30	<10	401	1822	<2	42	23	14	21
101658D	CL1299100	<0.005	<1	0.28	7	480	2	<1	2.86	4	13	111	28	2.01	<0.01	<1	0.55	294	10	55	232	<1	<5	21	<10	368	1688	<2	38	29	12	520
101659	CL1299101	0.006	<1	7.23	18	392	<2	<1	5.21	4	26	326	39	3.94	<0.01	12	2.66	702	7	89	866	<1	9	40	12	390	2838	<2	106	42	12	62
101660	CL1299102	<0.005	<1	8.18	17	352	2	<1	4.32	4	28	385	53	3.94	0.33	<1	3.10	618	6	89	905	<1	5	62	10	486	2825	2	106	38	13	88
101661	CL1299103	0.009	<1	9.68	13	544	2	<1	5.08	4	32	381	71	4.16	0.13	10	3.30	682	5	89	977	<1	6	46	<10	555	3174	<2	117	10	14	47
101662	CL1299104	<0.005	<1	<0.01	15	563	2	<1	4.83	4	34	411	46	4.30	<0.01	<1	2.47	753	5	91	918	<1	8	6	11	549	3304	<2	129	11	7	50
101663	CL1299105	0.097	<1	0.36	38	179	<2	<1	1.61	<4	14	17	3703	3.30	<0.01	<1	1.32	278	65	11	445	<1	9	37	<10	214	1552	<2	241	11	7	50
101664	CL1299106	<0.005	<1	4.60	11	884	2	<1	5.59	5	34	438	180	5.17	<0.01	12	3.30	806	7	97	1016	<1	9	20	11	697	3830	<2	155	11	11	62
101665	CL1299107	<0.005	<1	4.73	17	734	2	<1	5.45	5	33	425	49	4.85	0.44	8	3.17	780	7	96	981	<1	6	22	11	671	3596	<2	135	14	12	54
101666	CL1299108	<0.005	<1	5.60	19	760	2	<1	4.75	4	31	355	43	4.14	<0.01	6	2.82	658	4	82	810	<1	8	35	13	642	3264	<2	118	11	11	47
101667	CL1299109	<0.005	<1	6.86	12	906	2	<1	6.01	5	33	392	105	4.50	0.07	12	3.10	786	5	91	942	<1	6	27	<10	647	3572	<2	126	<10	13	55
101668	CL1299110	<0.005	<1	7.40	14	810	2	<1	5.13	4	31	391	72	4.46	0.14	8	3.12	718	5	88	988	<1	10	39	11	607	3477	3	125	30	12	51

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101669D	CL1299110	0.009	<1	8.82	7	868	2	<1	5.67	5	34	435	81	5.04	0.19	8	3.50	808	5	98	1143	<1	14	23	11	673	3840	6	142	12	14	67
101670	CL1299111	0.008	<1	8.13	18	744	2	<1	5.33	4	31	391	71	4.59	0.29	1	3.20	753	5	89	1044	<1	<5	42	10	759	3648	<2	128	<10	14	68
101671	CL1299112	<0.005	<1	7.72	16	868	2	<1	4.96	4	33	358	61	4.43	0.19	<1	3.07	719	5	83	1040	<1	5	42	13	655	3413	<2	122	30	13	46
101672	CL1299113	<0.005	<1	<0.01	12	774	2	<1	4.73	5	32	403	31	4.36	<0.01	<1	2.26	777	4	92	833	4	10	5	<10	640	3268	<2	129	27	6	54
101673	CL1299114	<0.005	<1	<0.01	12	616	2	<1	4.99	5	34	414	40	4.71	<0.01	<1	2.55	827	4	95	949	4	7	7	<10	728	3532	<2	136	16	6	53
101674	CL1299115	<0.005	<1	<0.01	11	573	2	<1	5.26	5	27	328	231	4.26	<0.01	<1	1.72	713	5	79	818	14	8	10	<10	1025	3225	<2	119	18	4	37
101675	CL1299116	<0.005	<1	1.48	11	433	2	<1	4.59	4	20	211	23	3.63	<0.01	<1	1.49	519	6	57	563	<1	6	13	10	899	2855	<2	93	<10	8	29
101676	CL1299117	0.007	<1	6.38	12	522	2	<1	4.46	8	31	332	44	4.28	<0.01	<1	2.89	702	3	81	935	<1	7	31	<10	525	3241	<2	119	34	12	1001
101677	CL1299118	<0.005	<1	5.88	7	323	<2	<1	5.20	11	49	29	140	8.76	<0.01	<1	2.21	1276	3	56	661	<1	<5	22	<10	258	6198	<2	260	18	30	192
101678	CL1299119	0.016	<1	7.41	5	501	2	<1	5.52	4	31	359	137	4.32	0.22	<1	3.01	777	5	88	1007	<1	8	44	<10	566	3373	<2	123	48	13	51
101679	CL1299120	0.007	<1	7.53	13	1307	2	<1	5.81	5	32	360	73	4.38	0.20	<1	3.06	761	6	89	1015	<1	5	35	10	548	3295	<2	123	24	13	72
101680R	CL1299120	<0.005	<1	7.65	15	613	2	<1	4.95	5	38	361	60	4.50	0.17	2	3.06	739	5	92	1014	<1	10	38	<10	534	3397	<2	126	29	13	52
101681	CL1299121	<0.005	<1	7.62	13	643	2	<1	5.11	5	31	355	58	4.39	0.07	<1	3.11	746	5	91	1017	<1	9	38	<10	541	3363	<2	124	<10	13	80
101682	CL1299122	0.006	<1	8.63	12	606	2	<1	5.28	5	33	359	71	4.58	0.12	7	3.10	738	7	100	1062	<1	9	53	<10	621	3458	<2	126	25	14	63
101683	CL1299123	<0.005	<1	8.40	13	599	2	<1	5.68	5	33	372	73	4.55	<0.01	10	3.18	790	7	100	1047	<1	14	45	11	548	3458	<2	128	31	14	60
101684	CL1299124	<0.005	<1	6.11	7	582	2	<1	4.64	4	28	336	63	4.14	0.18	6	2.98	713	6	93	933	<1	10	40	<10	450	3150	<2	115	22	12	56
101685	CL1299125	<0.005	<1	8.32	13	833	2	<1	5.24	5	33	376	50	4.66	<0.01	17	3.29	784	7	99	1040	<1	16	37	10	507	3575	<2	126	21	14	100
101686	CL1299126	<0.005	<1	9.15	9	1303	<2	<1	3.61	<4	16	115	20	2.70	<0.01	<1	1.25	346	11	61	685	<1	9	46	11	644	2606	<2	59	26	8	34
101687	CL1299127	<0.005	<1	<0.01	12	894	2	<1	3.58	4	26	199	67	3.36	0.31	<1	1.02	496	9	66	643	5	5	8	<10	684	2670	<2	81	19	6	35
101688	CL1299128	<0.005	<1	9.25	8	428	2	<1	4.82	4	30	316	72	4.09	<0.01	<1	2.95	683	8	83	986	<1	10	44	13	734	3126	<2	114	29	13	48

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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101689	CL1299129	<0.005	<1	6.49	17	272	<2	<1	3.27	<4	25	248	70	3.30	<0.01	<1	2.53	559	5	70	810	<1	<5	31	<10	546	2546	<2	90	<10	14	44
101690	CL1299130	<0.005	<1	0.23	13	379	2	<1	3.92	4	32	328	97	3.85	<0.01	<1	2.30	719	4	84	859	<1	7	17	12	493	3011	<2	110	16	8	50
101691D	CL1299130	<0.005	<1	<0.01	13	271	2	<1	3.43	4	29	327	94	3.75	<0.01	<1	2.18	708	5	83	814	<1	9	24	<10	463	2892	<2	110	12	7	45
101692	CL1299131	0.487	<1	0.74	174	347	<2	<1	4.76	7	47	168	56	6.53	<0.01	<1	2.34	1052	5	114	1249	<1	6	12	12	415	7318	<2	122	27	13	67
101693	CL1299132	0.012	<1	9.98	12	560	2	<1	5.91	4	30	369	64	4.46	0.34	<1	3.02	735	6	90	1064	<1	13	27	13	465	3326	<2	119	<10	14	52
101694	CL1299133	<0.005	<1	5.07	12	585	2	<1	5.73	5	35	422	67	4.85	<0.01	5	3.19	852	6	104	954	<1	9	33	10	631	3657	<2	136	<10	12	56
101695	CL1299134	<0.005	<1	5.26	15	443	2	<1	5.47	5	33	421	94	4.90	<0.01	6	3.20	823	11	132	952	<1	8	30	<10	544	3507	<2	135	24	12	67
101696	CL1299135	<0.005	<1	4.22	15	564	2	<1	4.76	4	31	340	65	4.36	<0.01	<1	2.70	712	10	111	809	<1	9	27	<10	637	3261	<2	119	23	11	48
101697	CL1299136	<0.005	<1	8.18	13	447	2	<1	5.47	5	31	372	115	4.53	<0.01	3	3.10	777	10	114	1047	<1	8	45	10	520	3428	<2	125	29	13	55
101698	CL1299137	<0.005	<1	8.08	17	286	2	<1	5.03	5	31	371	58	4.47	<0.01	<1	3.15	777	9	101	1045	<1	8	40	<10	502	3465	<2	126	10	13	57
101699	CL1299138	0.006	<1	7.12	15	317	2	<1	5.29	4	29	349	94	4.13	<0.01	1	2.88	722	7	98	965	<1	11	43	10	389	3095	<2	115	33	12	52
101700	CL1299139	<0.005	<1	5.69	15	277	2	<1	4.22	4	26	329	39	3.93	<0.01	<1	2.69	664	7	94	871	<1	8	29	<10	351	2920	<2	107	24	11	44
101701	CL1299140	0.089	<1	>10.00	10	381	<2	<1	2.72	4	16	157	42	3.62	<0.01	<1	1.92	451	8	70	727	<1	11	46	11	279	2550	<2	64	12	28	28
101702D	CL1299140	0.078	<1	<0.01	10	380	<2	<1	2.26	<4	18	162	42	3.45	<0.01	<1	1.00	456	11	71	527	<1	5	16	<10	260	2350	<2	64	10	12	29
101703	CL1299141	0.032	<1	<0.01	5	386	<2	<1	1.56	4	26	64	114	4.28	<0.01	<1	0.84	528	14	80	415	<1	6	6	<10	306	3519	<2	69	40	14	32
101704	CL1299142	0.019	<1	5.24	13	222	<2	<1	2.47	5	30	90	74	4.80	<0.01	<1	1.71	602	9	80	535	<1	<5	25	<10	319	3739	<2	82	10	21	50
101705	CL1299143	0.021	<1	7.68	18	229	<2	<1	4.01	6	35	137	57	5.81	<0.01	11	2.40	750	8	119	475	<1	<5	32	15	383	4011	<2	110	29	22	75
101706	CL1299144	<0.005	<1	7.42	11	419	<2	<1	6.00	10	53	38	142	9.40	0.07	<1	2.30	1338	6	74	716	<1	9	13	<10	282	6620	<2	278	<10	31	85
101707	CL1299145	0.035	<1	8.45	9	252	<2	<1	5.06	7	40	150	266	6.57	<0.01	16	2.61	920	10	131	503	<1	8	37	15	427	5070	12	135	22	21	69
101708	CL1299146	0.074	<1	8.92	17	283	<2	<1	5.31	8	47	168	559	7.38	<0.01	25	2.98	976	12	152	485	<1	13	30	13	444	5149	<2	159	14	20	73

PROCEDURE CODES: ALP2, ALFA1, ALMA1

Certified By:   
Dr. David Brown, VP Quality

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Tuesday, December 3, 2013


### Final Certificate

Iamgold  
Chester 1 Camp, 3 Mesomikenda Lake Rd  
Gogama, ON, CAN  
P0M1W0  
Ph#: (416) 363-8567  
Fax#: (416) 216-8535  
Email: Alan\_Smith@iamgold.com

Date Received: 11/14/2013  
Date Completed: 11/27/2013  
Job #: 201310913  
Reference: CL sample series  
Sample #: 157

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101709	CL1299147	0.041	<1	7.79	11	260	<2	<1	3.93	7	36	175	250	6.83	<0.01	21	3.19	877	8	159	437	<1	5	21	15	357	4083	<2	125	17	17	72
101710	CL1299148	0.015	<1	7.99	13	284	<2	<1	4.91	7	32	155	292	6.30	<0.01	24	3.05	839	7	132	423	<1	8	48	15	268	3383	<2	100	31	18	60
101711	CL1299149	<0.005	<1	0.42	7	644	<2	<1	1.66	<4	10	30	36	1.90	<0.01	<1	0.43	223	12	31	393	<1	5	24	11	224	1845	<2	37	24	4	5
101712	CL1299150	<0.005	<1	<0.01	9	652	<2	<1	1.72	<4	10	24	19	1.65	<0.01	<1	0.32	216	7	28	384	<1	10	21	<10	209	1733	<2	32	16	3	<1
101713D	CL1299150	0.008	<1	<0.01	8	645	<2	<1	1.70	<4	10	25	20	1.72	<0.01	<1	0.30	225	7	30	376	<1	<5	22	<10	210	1770	<2	34	22	3	2
101714	CL1299151	<0.005	<1	0.53	16	630	<2	1	1.99	<4	10	24	9	1.69	<0.01	<1	0.34	249	5	26	428	<1	<5	21	<10	234	1716	<2	33	25	3	<1
101715	CL1299152	<0.005	<1	<0.01	12	597	<2	<1	1.61	<4	12	24	19	1.70	<0.01	<1	0.33	229	6	28	414	<1	6	11	<10	200	1719	<2	34	<10	3	<1
101716	CL1299153	<0.005	<1	0.92	16	508	<2	<1	1.86	<4	8	25	28	1.61	<0.01	<1	0.34	213	7	26	421	<1	<5	29	<10	197	1607	<2	31	<10	3	3
101717	CL1299154	<0.005	<1	<0.01	8	570	<2	<1	1.77	<4	9	24	15	1.75	<0.01	<1	0.32	224	7	24	364	<1	<5	18	<10	201	1756	<2	34	<10	3	2
101718	CL1299155	<0.005	<1	<0.01	14	582	<2	<1	1.91	<4	10	31	24	1.76	<0.01	<1	0.31	245	9	39	324	<1	<5	37	<10	215	1759	<2	34	23	3	2
101719	CL1299156	<0.005	<1	4.18	8	539	<2	<1	2.12	<4	9	25	12	1.76	<0.01	<1	0.44	230	6	29	442	<1	6	41	12	225	1853	<2	34	27	5	2
101720	CL1299157	1.837	<1	7.68	637	452	<2	<1	5.49	10	49	176	91	8.63	<0.01	<1	2.97	1611	7	122	1725	<1	9	44	13	465	7719	<2	130	44	22	77

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Dr. David Brown, VP Quality

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Wednesday, December 4, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/02/2013  
 Job #: 201310914  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101721	CL408927	<0.005	<1	<0.01	7	<1	2	5	<0.01	<4	5	25	5	1.34	0.43	73	0.40	232	<1	36	130	<1	9	25	<10	202	1142	<2	13	19	8	32
101722	CL408928	0.023	<1	<0.01	7	<1	2	4	<0.01	<4	6	46	151	1.38	0.64	69	0.36	204	3	75	107	7	8	25	<10	235	1092	<2	15	<10	8	22
101723	CL408929	<0.005	<1	>10.00	15	<1	5	4	2.98	7	35	261	68	6.20	0.55	114	3.67	1180	<1	52	1681	<1	5	51	11	536	4794	<2	168	29	27	86
101724	CL408930	0.006	<1	8.49	11	159	6	2	3.41	9	39	287	86	6.70	0.30	100	3.63	1263	<1	62	1699	<1	11	27	<10	704	5117	16	185	44	25	92
101725	CL408931	0.061	<1	8.66	9	210	7	7	3.68	8	44	347	86	6.99	0.55	102	4.05	1255	<1	69	1660	<1	8	46	11	750	5338	2	201	25	24	93
101726	CL408932	0.007	<1	7.85	9	78	6	2	3.11	8	39	298	87	6.67	0.62	104	3.70	1218	<1	60	1686	<1	<5	28	12	687	5224	2	189	<10	24	89
101727	CL408933	<0.005	<1	>10.00	6	<1	6	4	2.83	8	37	254	65	6.26	0.71	130	3.56	1090	<1	58	1587	<1	10	51	12	393	4684	51	163	29	25	98
101728	CL408934	<0.005	<1	<0.01	3	<1	2	5	<0.01	<4	5	34	8	1.38	0.69	76	0.43	227	<1	51	128	<1	6	31	<10	255	1158	<2	15	<10	10	18
101729	CL408935	<0.005	<1	<0.01	3	<1	3	4	<0.01	<4	4	29	6	1.26	0.68	68	0.38	225	<1	44	108	<1	5	17	<10	224	1087	<2	14	18	8	13
101730	CL408936	<0.005	<1	<0.01	7	<1	2	7	<0.01	<4	3	37	5	1.27	0.66	61	0.38	260	<1	53	137	<1	5	16	<10	196	1130	<2	15	<10	8	16
101731D	CL408936	<0.005	<1	<0.01	7	<1	2	4	<0.01	<4	6	37	5	1.33	0.52	62	0.39	279	<1	47	154	<1	8	8	<10	204	1196	<2	16	<10	8	13
101732	CL408937	<0.005	<1	<0.01	10	<1	2	7	<0.01	<4	5	34	10	1.35	0.41	55	0.40	235	<1	48	157	<1	5	27	<10	190	1183	<2	12	11	9	18
101733	CL408938	<0.005	<1	<0.01	11	<1	3	5	<0.01	<4	5	29	6	1.42	0.66	76	0.44	258	<1	44	117	<1	6	33	<10	189	1191	<2	13	17	10	21
101734	CL408939	<0.005	<1	0.68	5	<1	2	6	<0.01	<4	6	49	9	1.58	0.70	79	0.52	280	6	79	139	<1	7	45	<10	200	1223	<2	14	<10	13	24
101735	CL408940	<0.005	<1	2.65	10	<1	3	4	<0.01	<4	3	39	4	1.59	0.64	80	0.65	253	2	67	128	<1	7	42	10	118	1157	<2	13	28	14	19
101736	CL408941	<0.005	<1	5.49	3	<1	4	7	<0.01	<4	4	29	7	1.42	0.86	83	0.65	266	<1	46	164	<1	5	48	<10	187	1196	<2	12	19	16	16
101737	CL408942	<0.005	<1	6.90	9	<1	3	4	<0.01	<4	4	54	7	1.55	0.64	87	0.68	287	8	83	181	<1	<5	45	<10	184	1303	<2	14	<10	17	28
101738	CL408943	<0.005	<1	6.10	9	<1	3	7	<0.01	<4	4	53	8	1.64	0.68	86	0.66	262	5	77	169	<1	8	63	<10	218	1260	<2	14	29	21	21
101739	CL408944	<0.005	<1	<0.01	6	<1	3	8	<0.01	<4	7	42	8	1.72	0.49	85	0.49	294	4	62	131	<1	9	27	<10	215	1304	<2	15	18	13	22
101740	CL408945	0.035	<1	<0.01	5	<1	3	6	<0.01	<4	6	33	7	1.57	0.37	77	0.38	278	<1	41	123	<1	10	12	<10	219	1250	<2	14	<10	8	19

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Dr. David Brown, VP Quality

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Wednesday, December 4, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
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 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/02/2013  
 Job #: 201310914  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101741	CL408946	0.007	<1	<0.01	7	<1	2	6	<0.01	<4	7	30	42	1.40	0.76	67	0.39	214	<1	35	125	66	5	15	<10	176	1111	<2	12	<10	8	103
101742D	CL408946	0.011	<1	<0.01	5	<1	<2	7	<0.01	<4	6	24	38	1.27	0.60	64	0.37	200	<1	33	133	59	9	29	<10	159	1058	<2	11	<10	7	94
101743	CL408947	<0.005	<1	<0.01	5	<1	2	5	<0.01	<4	8	29	54	1.27	0.43	56	0.36	210	6	29	147	<1	7	12	<10	149	1105	<2	12	13	6	20
101744	CL408948	0.428	<1	<0.01	5	<1	<2	11	<0.01	<4	5	19	91	1.22	0.32	56	0.39	197	<1	25	146	9	9	9	<10	162	1076	<2	11	<10	7	44
101745	CL408949	0.032	<1	<0.01	8	<1	2	6	<0.01	<4	5	18	50	1.32	0.50	77	0.50	201	<1	23	108	90	8	16	<10	160	1198	<2	12	25	10	136
101746	CL408950	0.021	<1	5.45	10	<1	3	6	<0.01	<4	4	23	42	1.32	0.62	82	0.67	202	<1	24	154	117	9	55	<10	185	1224	<2	12	15	14	156
101747	CL408951	<0.005	<1	7.17	9	<1	3	6	1.88	<4	2	27	4	1.24	0.57	90	0.83	537	<1	29	155	<1	7	55	<10	181	1113	<2	10	16	19	10
101748	CL408952	<0.005	<1	6.96	12	<1	3	3	<0.01	<4	3	17	11	1.59	0.48	90	0.94	302	<1	24	175	<1	<5	67	<10	138	1260	<2	12	27	14	20
101749	CL408953	<0.005	<1	7.55	9	<1	3	6	<0.01	<4	5	24	14	1.83	0.56	91	0.98	280	<1	25	180	<1	9	53	<10	140	1341	<2	13	24	14	19
101750	CL408954	<0.005	<1	8.30	7	<1	3	6	0.33	<4	5	19	3	2.37	0.49	93	1.14	442	<1	23	184	<1	11	64	10	140	1265	6	12	<10	16	25
101751	CL408955	0.019	<1	0.50	7	<1	2	7	<0.01	<4	5	21	28	1.34	0.51	66	0.52	244	<1	23	119	<1	9	34	<10	205	1238	<2	13	<10	12	29
101752	CL408956	<0.005	<1	<0.01	6	<1	2	4	<0.01	<4	5	23	17	1.42	0.46	67	0.40	228	<1	25	105	<1	9	32	<10	171	1104	<2	12	17	9	21
101753D	CL408956	<0.005	<1	<0.01	3	<1	2	5	<0.01	<4	4	28	16	1.35	0.79	62	0.33	220	<1	24	107	<1	12	23	<10	161	1068	<2	12	12	7	17
101754	CL408957	0.239	<1	0.03	27	226	5	2	<0.01	5	19	79	2504	4.08	0.22	88	1.26	521	68	41	865	2	10	25	<10	348	4144	<2	102	34	15	76
101755	CL408958	0.005	<1	<0.01	4	<1	<2	4	<0.01	<4	4	22	9	1.28	0.37	52	0.36	201	<1	23	139	<1	7	21	<10	164	1132	<2	12	19	7	18
101756	CL408959	<0.005	<1	<0.01	12	<1	2	3	<0.01	<4	3	15	15	1.23	0.52	44	0.33	208	<1	23	134	16	9	34	<10	170	1127	<2	12	<10	6	43
101757	CL408960	<0.005	<1	<0.01	5	<1	2	6	<0.01	<4	5	24	14	1.41	0.67	59	0.48	226	<1	34	113	3	8	17	<10	183	1165	<2	12	<10	10	44
101758	CL408961	<0.005	<1	6.70	8	<1	4	4	<0.01	<4	5	23	15	1.51	0.61	78	0.69	296	<1	28	175	<1	5	44	<10	201	1315	<2	13	<10	15	34
101759	CL408962	<0.005	<1	7.09	12	<1	4	7	<0.01	<4	5	35	8	1.64	0.63	72	0.69	313	<1	38	185	<1	11	57	<10	228	1391	<2	14	21	17	18
101760	CL408963	0.020	<1	7.64	9	<1	4	6	<0.01	<4	4	29	15	1.60	0.58	75	0.70	309	<1	46	195	<1	6	44	<10	213	1395	3	14	<10	17	14

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By:   
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Wednesday, December 4, 2013


## Final Certificate

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 Chester 1 Camp, 3 Mesomikenda Lake Rd  
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 Ph#: (416) 363-8567  
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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/02/2013  
 Job #: 201310914  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101761	CL408964	<0.005	<1	7.34	8	<1	3	2	<0.01	<4	3	30	17	1.59	0.89	73	0.74	300	<1	38	196	<1	9	60	11	164	1326	<2	13	<10	16	16
101762	CL408965	<0.005	<1	7.99	13	<1	3	5	<0.01	<4	5	36	41	1.44	0.64	73	0.71	266	<1	47	202	41	7	69	<10	171	1326	<2	14	14	16	91
101763	CL408966	<0.005	<1	1.29	8	<1	2	4	<0.01	<4	4	30	35	1.14	0.46	71	0.55	121	<1	32	117	25	7	40	<10	108	1261	<2	14	13	10	60
101764D	CL408966	<0.005	<1	<0.01	5	<1	2	3	<0.01	<4	4	27	32	1.04	0.35	62	0.42	114	<1	27	103	31	5	16	<10	101	1166	<2	13	<10	7	54
101765	CL408967	<0.005	<1	<0.01	6	<1	2	3	<0.01	<4	6	35	26	1.41	0.67	61	0.35	321	<1	35	123	47	9	21	<10	126	1215	<2	13	30	7	65
101766	CL408968	<0.005	<1	<0.01	6	<1	2	6	<0.01	<4	3	28	25	1.38	0.80	48	0.36	275	<1	43	136	3	9	24	<10	174	1186	<2	13	<10	6	34
101767	CL408969	<0.005	<1	<0.01	9	<1	5	7	1.33	8	27	29	24	5.42	0.41	87	1.19	856	<1	60	1356	<1	7	<5	<10	603	5961	<2	118	<10	18	80
101768	CL408970	0.008	<1	<0.01	3	<1	2	7	<0.01	<4	4	28	12	1.33	0.28	57	0.36	269	<1	38	150	<1	5	19	<10	168	1167	<2	12	15	7	15
101769	CL408971	<0.005	<1	<0.01	5	<1	2	6	<0.01	<4	4	35	12	1.48	0.60	77	0.48	294	<1	46	115	<1	14	13	<10	187	1207	<2	13	25	11	23
101770	CL408972	0.006	<1	3.73	9	<1	3	6	<0.01	<4	4	33	21	1.39	0.65	81	0.59	290	<1	41	140	<1	5	54	10	198	1198	<2	12	<10	16	11
101771	CL408973	<0.005	<1	6.35	9	<1	4	5	<0.01	<4	5	38	6	1.59	0.74	82	0.66	312	2	51	172	<1	11	44	<10	201	1312	<2	13	<10	20	14
101772	CL408974	<0.005	<1	6.37	9	33	4	5	<0.01	<4	6	26	7	1.68	0.94	83	0.66	326	<1	33	180	<1	8	53	<10	203	1394	<2	14	11	21	17
101773	CL408975	<0.005	<1	6.51	7	3	3	7	<0.01	<4	5	29	8	1.50	0.74	85	0.66	306	<1	43	167	<1	5	65	<10	193	1283	<2	13	16	19	18
101774	CL408976	0.006	<1	5.99	12	<1	3	6	<0.01	<4	5	31	39	1.50	0.73	79	0.65	283	<1	45	174	<1	9	52	<10	192	1258	<2	13	15	17	16
101775D	CL408976	<0.005	<1	<0.01	<2	<1	2	6	<0.01	<4	4	32	38	1.43	0.38	68	0.47	274	<1	45	114	<1	9	43	<10	180	1159	<2	12	<10	11	19
101776	CL408977	0.010	<1	<0.01	7	<1	3	4	<0.01	<4	5	50	60	1.56	0.37	68	0.37	264	4	72	108	<1	8	31	<10	168	1131	<2	14	20	9	29
101777	CL408978	0.006	<1	<0.01	<2	<1	2	4	<0.01	<4	4	29	48	1.39	0.63	60	0.33	272	<1	42	110	<1	7	17	<10	167	1121	<2	12	<10	8	21
101778	CL408979	0.012	<1	<0.01	7	<1	2	4	<0.01	<4	4	35	32	1.32	0.42	60	0.33	226	<1	42	113	1	12	21	<10	160	1085	<2	11	<10	7	16
101779	CL408980	0.008	<1	<0.01	9	<1	2	4	<0.01	<4	4	42	64	1.42	0.44	64	0.36	223	<1	50	143	<1	15	33	<10	169	1171	<2	12	<10	8	24
101780	CL408981	0.009	<1	<0.01	8	<1	2	6	<0.01	<4	5	46	15	1.36	0.27	58	0.40	209	3	57	149	22	6	26	<10	168	1145	<2	12	16	8	43

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/02/2013  
 Job #: 201310914  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101781	CL408982	1.420	<1	1.88	14	<1	6	7	0.58	9	24	36	10762	8.14	0.51	91	1.87	631	592	22	1018	<1	8	44	19	559	3317	<2	157	<10	16	100
101782	CL408983	0.009	<1	<0.01	11	<1	3	2	<0.01	<4	4	45	77	1.45	0.59	73	0.47	183	5	69	125	102	5	45	<10	157	1091	<2	14	25	11	108
101783	CL408984	0.040	<1	<0.01	6	<1	2	6	<0.01	<4	5	33	250	1.36	0.57	59	0.45	223	<1	49	110	120	6	33	<10	182	1083	<2	12	<10	11	120
101784	CL408985	0.012	<1	3.47	<2	<1	3	4	<0.01	<4	4	37	48	1.48	0.47	65	0.59	210	<1	38	145	<1	7	37	<10	202	1284	<2	13	17	14	22
101785	CL408986	0.018	<1	2.92	5	<1	3	5	<0.01	<4	4	35	86	1.59	0.63	63	0.57	244	<1	35	149	<1	6	35	<10	236	1323	<2	14	<10	15	15
101786R	CL408986	0.008	<1	2.08	4	<1	3	5	<0.01	<4	5	41	103	1.53	0.42	61	0.56	230	<1	46	138	<1	15	42	<10	229	1252	<2	14	<10	14	14
101787	CL408987	<0.005	<1	>10.00	6	<1	2	4	<0.01	<4	4	26	15	1.51	0.31	65	0.74	226	<1	33	210	<1	8	50	<10	186	1319	<2	13	25	19	22
101788	CL408988	<0.005	<1	3.05	6	<1	2	3	<0.01	<4	5	43	7	1.68	0.25	62	0.55	227	3	69	161	<1	7	41	<10	198	1306	<2	14	14	15	40
101789	CL408989	<0.005	<1	1.38	5	<1	3	3	<0.01	<4	4	24	10	1.37	0.40	52	0.51	185	<1	28	139	<1	6	46	<10	184	1170	<2	12	23	13	27
101790	CL408990	<0.005	<1	3.01	7	<1	3	5	<0.01	<4	5	49	13	1.76	0.40	56	0.57	214	5	87	166	<1	11	32	<10	208	1301	<2	16	<10	14	54
101791	CL408991	<0.005	<1	1.83	5	<1	2	3	<0.01	<4	4	28	19	1.32	0.40	44	0.53	155	<1	37	132	1	8	39	<10	185	1130	<2	12	<10	11	87
101792	CL408992	<0.005	<1	0.89	8	<1	2	8	<0.01	<4	4	21	5	1.34	0.19	48	0.51	172	<1	32	134	<1	11	24	<10	175	1166	<2	14	<10	10	28
101793	CL408993	<0.005	<1	1.21	9	<1	3	4	<0.01	<4	4	17	11	1.34	0.31	41	0.50	166	<1	20	144	<1	10	35	<10	186	1144	<2	12	15	11	18
101794	CL408994	<0.005	<1	>10.00	10	<1	6	3	2.50	6	27	21	22	5.61	0.56	78	2.00	845	<1	47	1687	<1	9	64	11	672	6282	<2	113	<10	47	77
101795	CL408995	<0.005	<1	<0.01	8	<1	2	6	<0.01	<4	5	25	5	1.43	0.46	45	0.39	173	<1	30	146	<1	5	10	<10	186	1161	<2	13	<10	8	14
101796	CL408996	<0.005	<1	<0.01	4	<1	2	6	<0.01	<4	5	26	7	1.24	0.51	39	0.40	147	<1	23	139	<1	9	33	<10	180	1087	<2	11	<10	8	16
101797D	CL408996	<0.005	<1	<0.01	3	<1	2	6	<0.01	<4	5	29	7	1.39	0.42	33	0.39	165	<1	26	164	<1	8	27	<10	191	1195	<2	13	14	7	17
101798	CL408997	<0.005	<1	<0.01	4	<1	2	2	<0.01	<4	7	23	45	1.31	0.35	32	0.40	140	<1	23	162	33	8	24	<10	167	1146	<2	12	<10	7	74
101799	CL408998	0.015	<1	9.25	12	<1	2	4	<0.01	<4	3	27	58	1.52	0.41	47	0.71	153	<1	27	215	11	10	64	<10	181	1269	<2	13	18	18	78
101800	CL408999	0.024	<1	3.97	19	15	3	4	<0.01	<4	8	25	119	1.48	0.36	53	0.63	153	<1	23	162	<1	8	45	<10	158	1222	<2	14	10	12	47

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 P0M1W0  
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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/02/2013  
 Job #: 201310914  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101801	CL409000	0.011	<1	6.35	22	<1	4	3	1.00	4	14	93	32	3.35	0.48	87	1.52	440	<1	38	515	<1	6	46	<10	171	1573	<2	65	<10	17	27
101802	CL409001	0.010	<1	6.36	6	<1	3	3	<0.01	<4	6	35	53	1.26	0.38	55	0.68	126	<1	37	181	<1	6	45	<10	170	1294	<2	14	19	18	5
101803	CL409002	0.006	<1	4.47	12	<1	2	5	3.32	<4	5	24	17	1.24	0.45	59	0.64	236	<1	25	132	<1	9	37	<10	165	1132	<2	11	11	27	2
101804	CL409003	0.012	<1	<0.01	4	<1	3	4	<0.01	<4	6	27	14	1.38	0.37	49	0.48	130	<1	33	134	<1	5	22	<10	154	1038	<2	13	<10	10	10
101805	CL409004	0.007	<1	3.17	6	<1	3	4	<0.01	<4	4	23	24	1.35	0.22	52	0.60	160	<1	29	152	49	11	26	<10	143	1112	<2	13	34	13	77
101806	CL409005	<0.005	<1	7.29	7	<1	3	6	<0.01	<4	5	29	21	1.53	0.32	51	0.73	163	<1	34	205	93	8	57	<10	130	1299	<2	14	12	15	145
101807	CL409006	<0.005	<1	0.63	8	5	2	5	<0.01	<4	5	42	2	2.13	0.16	55	0.79	264	<1	36	164	<1	9	33	<10	115	1168	<2	13	<10	9	21
101808D	CL409006	<0.005	<1	<0.01	4	<1	2	4	<0.01	<4	6	31	2	1.97	0.54	51	0.69	253	<1	31	151	<1	7	25	<10	110	1110	<2	13	19	7	22
101809	CL409007	1.092	<1	<0.01	493	<1	6	3	2.24	11	45	163	82	8.40	0.63	42	2.28	2094	<1	107	1615	<1	10	18	<10	378	7072	<2	127	<10	11	94
101810	CL409008	<0.005	<1	<0.01	6	51	2	7	<0.01	<4	5	20	6	1.25	0.25	43	0.44	178	<1	26	138	<1	6	22	<10	101	1188	<2	14	27	5	16
101811	CL409009	<0.005	<1	<0.01	3	<1	<2	4	<0.01	<4	3	20	3	1.19	0.18	48	0.43	112	<1	26	146	<1	<5	12	<10	109	1191	<2	13	13	6	9
101812	CL409010	<0.005	<1	0.32	10	<1	2	3	<0.01	<4	4	32	21	1.27	0.19	46	0.52	155	<1	35	130	<1	10	28	<10	153	1137	<2	14	17	10	13
101813	CL409011	<0.005	<1	6.63	6	<1	4	5	<0.01	<4	6	31	23	1.59	0.51	61	0.73	171	<1	39	183	<1	7	37	<10	158	1267	<2	15	10	16	20
101814	CL409012	<0.005	<1	5.72	6	<1	3	6	<0.01	<4	5	26	25	1.42	0.52	52	0.64	158	<1	38	166	<1	<5	30	<10	194	1236	<2	13	<10	15	5
101815	CL409013	0.015	<1	3.86	10	<1	3	5	<0.01	<4	6	22	17	1.32	0.48	57	0.61	142	<1	31	141	<1	9	47	<10	188	1172	<2	12	19	13	6
101816	CL409014	0.013	<1	<0.01	6	<1	2	4	<0.01	<4	4	33	14	1.62	0.44	37	0.53	196	<1	29	143	<1	12	30	<10	195	1266	<2	14	14	11	12
101817	CL409015	<0.005	<1	1.53	16	470	3	4	2.85	<4	6	46	16	1.88	0.85	65	0.29	290	6	43	207	16	7	32	<10	245	1333	<2	17	28	8	17
101818	CL409016	0.016	2	1.25	13	438	<2	6	1.10	<4	6	48	39	1.45	0.70	53	0.17	136	6	42	217	136	7	35	<10	242	1345	<2	16	<10	7	80
101819D	CL409016	0.066	1	<0.01	9	314	2	3	0.46	<4	4	44	37	1.32	0.71	34	0.12	126	6	55	195	124	6	8	<10	210	1188	<2	15	<10	5	73
101820	CL409017	0.009	<1	<0.01	9	321	<2	4	0.66	<4	5	42	21	1.26	0.26	29	0.13	126	6	38	236	24	9	17	<10	233	1199	<2	14	<10	5	33

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Date Completed: 12/02/2013  
 Job #: 201310914  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101821	CL409018	<0.005	<1	<0.01	12	420	<2	3	1.52	<4	6	41	19	1.53	0.43	38	0.17	212	6	41	220	91	6	23	<10	193	1220	<2	16	13	5	75
101822	CL409019	<0.005	<1	<0.01	9	518	5	3	3.01	7	32	52	27	5.69	0.16	48	1.02	913	3	54	1891	12	14	15	<10	636	6557	<2	125	15	16	83
101823	CL409020	0.010	1	<0.01	12	417	2	5	0.63	<4	6	45	18	1.54	0.63	40	0.11	125	5	44	143	87	8	27	<10	224	1229	<2	17	30	5	87
101824	CL409021	<0.005	1	0.04	10	449	2	4	1.06	<4	5	54	25	1.53	0.53	46	0.14	132	7	38	157	88	10	32	<10	257	1331	<2	16	24	6	66
101825	CL409022	0.005	<1	4.87	16	500	3	5	1.38	<4	7	47	47	1.55	0.74	55	0.19	121	7	40	201	65	6	52	<10	270	1381	<2	16	<10	10	77
101826	CL409023	<0.005	<1	5.28	14	432	3	5	1.31	<4	6	45	43	1.34	0.74	53	0.19	103	5	42	199	93	13	46	<10	278	1259	<2	14	13	10	88
101827	CL409024	0.007	1	1.12	10	467	2	5	1.15	<4	5	58	51	1.58	0.42	48	0.15	115	8	47	130	30	6	32	<10	291	1323	<2	16	28	8	32
101828	CL409025	0.014	1	<0.01	11	398	3	6	0.95	<4	5	47	27	1.50	0.56	42	0.13	122	6	43	117	41	8	33	<10	272	1250	<2	15	<10	7	36
101829	CL409026	0.007	2	<0.01	13	384	<2	4	0.85	<4	6	44	13	1.41	0.86	43	0.12	117	8	47	118	21	7	5	<10	255	1235	<2	15	<10	6	25
101830D	CL409026	<0.005	1	<0.01	16	367	2	7	0.74	<4	6	50	13	1.42	0.68	47	0.13	118	8	52	185	15	10	25	<10	247	1261	<2	15	15	7	28
101831	CL409027	0.041	1	<0.01	10	379	2	3	0.43	<4	7	43	30	1.38	0.51	41	0.12	113	6	45	195	41	5	39	<10	244	1235	<2	15	15	6	38
101832	CL409028	<0.005	<1	<0.01	12	347	2	4	0.14	<4	5	48	44	1.39	0.65	34	0.12	110	7	48	204	44	<5	31	<10	217	1200	<2	15	12	5	41
101833	CL409029	<0.005	<1	<0.01	11	292	2	5	0.06	<4	8	39	48	1.24	0.33	19	0.14	102	3	36	232	144	8	16	<10	204	1148	<2	15	12	5	119
101834	CL409030	<0.005	<1	<0.01	9	276	2	6	0.22	<4	6	46	45	1.34	0.26	14	0.13	130	6	39	233	62	<5	20	<10	214	1153	<2	15	<10	4	54
101835	CL409031	0.026	<1	3.59	16	739	3	4	1.42	<4	8	41	45	1.83	0.43	<1	0.19	124	11	47	274	29	8	22	<10	288	1696	<2	21	14	7	28
101836	CL409032	2.269	<1	2.05	1243	422	7	4	4.72	14	41	167	153	11.24	0.68	42	2.32	3557	<1	104	2223	16	10	18	13	457	6884	<2	137	17	17	150
101837	CL409033	0.010	<1	2.31	12	440	2	6	0.93	<4	5	26	48	1.47	0.88	47	0.20	130	7	49	176	2	11	44	<10	258	1324	<2	17	<10	9	6
101838	CL409034	0.007	<1	1.27	14	416	2	4	0.90	<4	7	23	52	1.51	0.77	40	0.17	130	7	45	164	12	14	24	<10	282	1300	<2	16	22	8	14
101839	CL409035	0.008	<1	<0.01	11	472	2	3	0.95	<4	7	36	67	1.71	0.87	45	0.19	155	7	59	151	6	7	28	<10	278	1291	<2	18	15	8	5
101840	CL409036	<0.005	<1	<0.01	14	505	2	3	1.21	<4	8	56	56	2.21	0.58	37	0.31	225	10	90	199	11	11	24	<10	292	1612	<2	35	<10	8	10

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101841D	CL409036	<0.005	<1	0.60	14	439	3	5	1.07	<4	9	50	54	2.21	0.49	38	0.33	226	9	84	220	1	10	29	<10	286	1599	<2	35	<10	9	12
101842	CL409037	0.007	1	<0.01	16	502	<2	5	0.48	<4	5	29	37	1.55	0.30	30	0.11	115	6	56	145	10	8	29	<10	280	1302	<2	16	11	6	11
101843	CL409038	<0.005	1	<0.01	12	426	2	7	0.36	<4	5	14	36	1.42	0.29	27	0.11	110	2	28	173	9	7	18	<10	264	1273	<2	15	<10	6	18
101844	CL409039	<0.005	<1	<0.01	14	392	2	3	0.23	<4	5	19	33	1.40	0.52	18	0.11	112	2	39	208	10	5	16	<10	253	1239	<2	15	<10	6	11
101845	CL409040	<0.005	<1	<0.01	11	273	<2	3	<0.01	<4	5	28	24	1.31	0.51	15	0.11	111	4	57	213	9	10	10	<10	222	1134	<2	14	<10	5	7
101846	CL409041	0.012	<1	<0.01	7	355	<2	3	0.06	<4	6	27	22	1.31	0.23	17	0.10	117	6	51	222	13	8	18	<10	200	1169	<2	15	<10	5	6
101847	CL409042	0.016	4	<0.01	12	635	<2	4	1.05	<4	5	35	74	1.24	1.12	44	0.10	111	10	54	172	18	8	13	<10	235	1273	<2	17	17	5	8
101848	CL409043	0.014	6	<0.01	16	659	<2	5	1.22	<4	5	47	42	1.36	0.86	49	0.09	114	12	68	229	23	12	15	<10	247	1331	<2	17	14	4	9
101849	CL409044	<0.005	<1	3.63	11	434	5	3	3.69	7	29	62	29	6.01	0.60	49	1.29	917	10	97	1782	<1	8	40	<10	695	6616	<2	123	24	29	77
101850	CL409045	0.010	<1	<0.01	11	324	2	4	0.55	<4	7	41	53	1.60	0.65	27	0.13	135	9	82	145	33	9	<5	<10	214	1243	<2	16	<10	6	36
101851	CL409046	<0.005	<1	<0.01	14	440	2	4	0.84	<4	6	33	80	1.21	0.59	28	0.14	149	7	63	156	11	10	21	<10	237	1230	<2	16	<10	6	8
101852R	CL409046	<0.005	<1	<0.01	14	464	2	4	1.23	<4	6	78	84	1.59	0.48	39	0.18	191	16	141	184	9	9	19	<10	244	1300	<2	20	26	8	11
101853	CL409047	<0.005	<1	4.58	18	174	4	7	6.31	10	53	559	62	8.07	0.30	110	4.73	1220	5	187	287	<1	9	22	<10	234	3033	11	207	18	12	79
101854	CL409048	0.005	<1	5.86	15	496	3	7	1.43	<4	8	30	85	1.57	0.35	52	0.31	149	5	47	276	68	8	44	<10	287	1509	<2	19	18	11	64
101855	CL409049	<0.005	<1	4.58	12	508	2	4	1.28	<4	8	24	59	1.59	0.24	36	0.20	126	6	44	237	169	7	41	<10	239	1397	<2	16	13	10	193
101856	CL409050	<0.005	<1	3.63	13	453	2	5	1.18	<4	6	32	46	1.56	0.52	41	0.17	122	7	60	216	152	9	37	13	267	1314	<2	16	24	11	217
101857	CL409051	<0.005	<1	3.62	16	487	2	5	1.27	<4	4	35	40	1.57	<0.01	35	0.17	120	8	63	218	113	10	25	<10	271	1362	<2	16	<10	10	134
101858	CL409052	0.006	<1	1.68	12	483	3	7	1.03	<4	5	19	33	1.45	<0.01	31	0.16	113	4	36	176	114	9	35	<10	254	1343	<2	15	<10	8	148
101859	CL409053	0.006	<1	<0.01	13	434	2	4	0.82	<4	6	34	31	1.56	0.51	32	0.14	119	6	62	187	3	8	31	<10	248	1302	<2	17	21	8	4
101860	CL409054	0.034	<1	0.04	13	477	2	5	0.73	<4	4	34	18	1.55	0.37	32	0.15	113	8	62	217	30	10	24	<10	264	1344	<2	16	12	8	37

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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## Final Certificate

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 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/02/2013  
 Job #: 201310914  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101861	CL409055	0.008	<1	1.01	14	445	2	4	0.58	<4	6	45	19	1.68	0.70	28	0.16	120	9	82	242	83	7	16	<10	256	1351	<2	17	23	8	93
101862	CL409056	0.014	<1	<0.01	15	400	2	5	0.37	<4	7	28	25	1.31	0.49	23	0.13	100	6	52	237	190	8	18	<10	214	1205	<2	14	<10	6	201
101863D	CL409056	<0.005	<1	<0.01	4	428	<2	5	0.33	<4	5	32	26	1.36	0.57	24	0.12	106	7	60	248	207	8	38	<10	218	1228	<2	15	13	6	218
101864	CL409057	0.251	<1	0.58	28	786	5	3	1.65	5	22	89	2703	4.30	0.53	52	0.95	538	83	38	1058	11	13	5	<10	439	4476	<2	110	18	12	57
101865	CL409058	0.006	<1	3.25	13	466	2	4	0.91	<4	6	42	13	1.60	0.27	38	0.17	110	10	81	234	28	11	32	<10	245	1332	<2	16	30	9	48
101866	CL409059	<0.005	<1	6.41	16	557	3	2	1.31	<4	5	38	14	1.82	0.66	41	0.22	124	8	68	277	35	7	46	<10	305	1502	<2	18	17	12	47
101867	CL409060	<0.005	<1	6.04	23	444	3	4	1.27	<4	5	30	16	1.60	0.61	38	0.20	114	7	59	248	74	8	38	<10	252	1374	<2	16	10	11	101
101868	CL409061	0.015	<1	5.20	20	498	3	3	1.26	<4	6	35	12	1.63	0.42	37	0.19	113	7	64	235	23	5	47	<10	253	1387	<2	16	<10	10	40
101869	CL409062	0.008	<1	3.54	11	494	2	5	1.13	<4	6	35	11	1.55	0.45	36	0.17	110	9	64	225	<1	6	41	17	271	1339	<2	16	25	9	8
101870	CL409063	0.006	<1	2.05	14	442	2	3	1.01	<4	4	25	13	1.43	0.18	28	0.15	109	4	49	204	25	9	29	<10	254	1287	<2	15	13	8	43
101871	CL409064	<0.005	<1	2.36	13	511	3	5	0.82	<4	5	29	15	1.63	0.74	34	0.17	121	5	54	250	34	14	34	<10	241	1411	<2	16	24	9	52
101872	CL409065	0.009	<1	0.97	12	433	2	5	0.51	<4	5	27	10	1.37	0.55	33	0.14	104	6	51	233	<1	5	27	<10	247	1236	<2	15	<10	7	8
101873	CL409066	0.012	<1	1.18	10	406	2	4	0.69	<4	4	37	12	1.50	0.51	25	0.15	128	7	66	248	3	7	44	<10	241	1267	<2	15	15	8	8
101874D	CL409066	0.006	<1	1.08	11	424	<2	4	0.65	<4	5	28	12	1.45	0.53	32	0.15	127	5	51	255	<1	<5	40	<10	245	1281	<2	15	<10	8	6
101875	CL409067	<0.005	<1	0.26	8	436	2	4	0.75	<4	8	32	24	1.70	0.51	22	0.30	165	2	30	302	15	5	43	<10	247	1427	<2	23	10	7	32
101876	CL409068	<0.005	<1	<0.01	15	78	2	5	<0.01	<4	5	27	17	1.15	0.06	8	0.23	123	2	53	201	7	8	32	<10	211	964	<2	16	<10	8	9
101877	CL409069	<0.005	<1	5.92	13	642	5	2	4.41	7	28	55	33	6.05	0.30	58	1.29	923	10	77	1864	3	11	30	<10	747	6756	<2	126	<10	30	79
101878	CL409070	0.026	<1	4.14	13	230	2	2	0.40	<4	5	22	29	1.64	0.27	15	0.34	144	4	51	255	<1	7	31	<10	238	1300	<2	20	20	11	10
101879	CL409071	0.005	<1	7.02	8	483	3	3	1.26	<4	7	17	99	1.53	0.46	30	0.23	115	7	36	272	185	9	56	<10	279	1412	<2	16	13	13	213
101880	CL409072	0.006	<1	7.56	14	503	3	4	1.30	<4	5	13	22	1.55	0.51	32	0.22	124	4	31	259	23	<5	57	<10	282	1366	<2	15	11	13	38

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Gogama, ON, CAN  
 P0M1W0  
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 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/02/2013  
 Job #: 201310914  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101881	CL409073	<0.005	<1	8.28	19	556	3	5	1.46	<4	6	15	9	1.57	0.45	47	0.24	139	3	31	269	<1	6	59	<10	282	1453	<2	16	22	14	<1
101882	CL409074	0.007	<1	3.89	15	492	3	5	1.19	<4	7	34	10	1.74	0.39	43	0.32	159	3	27	263	<1	10	40	<10	290	1438	<2	20	<10	11	14
101883	CL409075	<0.005	<1	1.59	12	433	3	2	1.28	<4	5	17	22	1.03	0.56	35	0.18	161	4	32	195	10	9	49	<10	259	1123	<2	17	21	8	13
101884	CL409076	<0.005	1	0.62	13	396	2	5	0.62	<4	6	11	39	1.15	0.57	34	0.16	139	2	27	240	27	8	33	<10	228	1233	<2	14	12	8	44
101885D	CL409076	<0.005	<1	<0.01	11	349	2	5	0.35	<4	5	9	37	1.09	0.72	27	0.14	134	2	25	226	27	9	35	<10	214	1187	<2	14	<10	7	36
101886	CL409077	<0.005	<1	0.73	12	374	<2	4	0.36	<4	6	13	7	1.25	0.26	20	0.15	115	<1	25	242	<1	6	26	<10	269	1228	<2	14	<10	6	9
101887	CL409078	<0.005	<1	0.57	8	245	2	3	0.18	<4	5	7	10	1.10	0.35	9	0.13	<100	2	22	228	5	6	39	<10	234	1088	<2	12	<10	6	18
101888	CL409079	0.011	<1	0.44	13	352	<2	6	0.32	<4	7	11	25	1.20	0.15	10	0.14	103	<1	20	245	<1	<5	25	<10	245	1179	<2	13	17	6	2
101889	CL409080	0.034	1	<0.01	16	349	<2	4	0.83	<4	4	13	36	1.17	0.07	26	0.13	<100	5	32	185	2	9	20	<10	199	1118	<2	13	22	7	7
101890	CL409081	0.009	<1	3.18	17	480	2	3	0.85	<4	5	11	27	1.38	0.41	37	0.20	105	2	18	219	<1	8	32	<10	240	1355	<2	16	24	9	3
101891	CL409082	1.553	<1	2.42	18	244	5	4	1.57	7	21	34	11961	6.41	0.45	42	1.31	481	471	19	900	3	10	38	11	510	2716	<2	125	<10	11	70
101892	CL409083	0.009	<1	8.07	18	525	3	5	2.14	<4	9	44	46	2.09	0.42	49	0.48	220	3	33	309	<1	11	57	<10	268	1687	<2	27	<10	13	<1
101893	CL409084	0.008	<1	7.25	14	497	4	4	1.62	<4	5	13	40	1.53	0.37	37	0.23	138	4	25	254	<1	9	43	<10	273	1458	<2	16	16	13	<1
101894	CL409085	0.005	<1	3.43	9	451	2	7	1.19	<4	6	12	38	1.33	0.59	27	0.17	133	3	23	189	<1	13	49	<10	274	1342	<2	15	11	9	2
101895	CL409086	0.010	<1	2.74	15	474	2	5	1.08	<4	6	12	52	1.32	0.60	37	0.19	144	2	21	219	<1	10	40	<10	297	1433	<2	16	14	10	2
101896D	CL409086	0.010	1	<0.01	13	381	<2	4	0.59	<4	5	9	43	1.11	0.51	31	0.14	126	2	20	198	5	10	27	<10	263	1234	<2	14	<10	7	15
101897	CL409087	<0.005	<1	0.63	12	377	4	5	3.56	10	41	356	18	7.79	0.45	86	3.08	956	<1	92	778	2	13	9	10	270	5053	<2	184	23	9	86
101898	CL409088	0.007	<1	0.97	13	541	2	5	0.55	<4	6	15	15	1.46	0.42	26	0.30	157	<1	17	262	<1	7	42	<10	374	1431	<2	29	<10	9	11
101899	CL409089	0.008	<1	0.87	12	521	<2	6	0.83	<4	8	13	42	1.27	0.30	29	0.34	174	3	17	256	1	8	21	10	227	1231	<2	16	<10	6	7
101900	CL409090	<0.005	<1	1.34	13	489	<2	8	0.83	<4	5	8	51	1.11	0.12	23	0.16	147	2	16	256	31	5	25	<10	220	1241	<2	13	20	5	44

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Date Received: 11/14/2013  
 Date Completed: 12/02/2013  
 Job #: 201310914  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101901	CL409091	0.006	<1	0.39	8	227	2	4	0.78	<4	5	3	53	1.21	0.26	27	0.16	149	<1	15	176	1	8	33	<10	204	1194	<2	13	<10	8	5
101902	CL409092	<0.005	<1	9.66	17	467	3	3	1.95	<4	5	7	51	1.53	0.32	55	0.32	167	4	15	301	56	6	55	11	255	1472	<2	15	<10	13	101
101903	CL409093	<0.005	<1	5.51	15	405	3	3	1.72	<4	5	7	29	1.40	0.36	64	0.30	160	1	14	235	48	14	49	<10	236	1344	<2	15	<10	10	131
101904	CL409094	<0.005	<1	>10.00	17	623	7	4	4.98	7	33	30	28	6.24	0.60	71	1.68	962	2	28	2003	<1	8	50	14	798	7389	<2	132	13	40	81
101905	CL409095	0.012	<1	6.13	15	433	2	6	1.52	<4	4	7	9	1.51	0.47	57	0.32	155	2	13	246	<1	8	65	<10	240	1442	<2	15	10	13	8
101906	CL409096	0.014	<1	1.59	10	374	2	6	1.18	<4	4	18	13	1.43	0.37	45	0.20	151	4	35	191	5	12	41	<10	231	1305	<2	15	16	10	15
101907D	CL409096	0.013	<1	1.38	14	332	2	7	0.84	<4	7	16	13	1.33	0.36	49	0.21	145	3	31	222	<1	13	40	<10	213	1273	<2	14	23	10	9
101908	CL409097	0.007	<1	0.86	15	295	2	4	0.57	<4	6	11	9	1.24	0.33	30	0.16	132	3	25	222	4	7	35	<10	238	1247	<2	14	<10	10	11
101909	CL409098	0.005	<1	3.20	14	540	2	3	1.52	<4	8	42	11	1.56	0.13	<1	0.17	166	9	52	283	9	6	36	<10	315	1444	<2	17	<10	7	10
101910	CL409099	<0.005	<1	3.73	15	570	3	2	1.49	<4	7	73	18	1.78	0.12	<1	0.19	195	15	95	296	10	<5	21	<10	330	1522	<2	19	<10	9	10
101911	CL409100	<0.005	<1	1.83	14	543	3	2	1.38	<4	7	29	26	1.24	<0.01	<1	0.14	176	7	31	274	3	9	14	<10	317	1366	<2	15	29	6	9
101912	CL409101	<0.005	<1	5.23	10	515	3	3	4.74	<4	22	171	25	2.97	0.01	<1	1.15	616	11	74	608	4	10	13	12	432	2138	<2	65	<10	9	13
101913	CL409102	<0.005	<1	5.17	9	722	2	1	2.35	<4	8	68	29	1.78	0.11	<1	0.27	230	14	80	305	27	11	33	<10	373	1660	<2	21	<10	8	56
101914	CL409103	<0.005	<1	6.72	18	693	3	4	2.17	<4	6	42	19	1.76	0.04	<1	0.25	201	11	48	310	21	<5	38	<10	362	1628	<2	18	<10	9	58
101915	CL409104	<0.005	<1	9.62	14	882	3	2	2.62	<4	9	57	11	2.25	<0.01	<1	0.34	215	14	66	353	<1	9	41	19	359	1942	<2	22	<10	13	16
101916	CL409105	<0.005	<1	9.09	14	689	3	3	2.59	<4	8	64	17	2.00	0.10	<1	0.28	200	14	78	322	<1	6	39	18	339	1750	<2	20	<10	12	17
101917	CL409106	0.028	<1	4.48	15	542	3	8	2.10	<4	8	53	26	1.79	0.19	<1	0.19	181	13	65	274	7	10	40	<10	379	1595	<2	19	17	10	11
101918R	CL409106	0.032	<1	5.14	9	572	3	5	2.18	<4	8	59	27	1.89	0.28	<1	0.20	190	13	71	299	3	8	35	<10	387	1668	<2	19	<10	10	8
101919	CL409107	1.030	<1	4.74	622	609	6	3	7.63	12	65	288	120	11.89	0.24	<1	3.09	2987	7	125	2389	6	10	16	<10	723	10122	<2	178	21	16	135
101920	CL409108	0.035	<1	4.55	8	432	2	3	1.65	<4	6	39	22	1.49	0.37	<1	0.17	147	8	46	281	<1	6	38	<10	341	1423	<2	16	18	8	16

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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/02/2013  
 Job #: 201310914  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
101921	CL409109	0.017	<1	8.38	11	643	3	4	2.59	<4	8	58	29	2.08	0.40	<1	0.27	198	13	72	329	3	8	41	<10	392	1782	<2	20	18	13	5
101922	CL409110	0.010	<1	8.81	12	723	3	3	2.82	<4	8	72	23	2.16	0.24	<1	0.29	193	18	92	318	<1	8	46	<10	358	1823	<2	22	<10	12	4
101923	CL409111	<0.005	<1	6.99	13	611	2	2	2.10	<4	8	49	13	1.79	0.11	<1	0.27	139	13	56	289	3	6	31	<10	324	1667	<2	18	29	9	11
101924	CL409112	<0.005	<1	7.22	10	646	3	4	2.18	<4	8	37	15	1.76	0.23	<1	0.29	137	8	41	279	<1	14	35	<10	305	1579	<2	18	24	10	11
101925	CL409113	0.013	<1	5.08	15	591	3	4	2.35	<4	8	22	33	1.63	0.18	<1	0.22	143	5	20	268	29	7	32	<10	354	1606	<2	17	10	9	39
101926	CL409114	0.010	<1	5.89	12	452	2	4	2.11	<4	7	21	26	1.51	0.27	<1	0.21	161	3	24	293	<1	6	38	<10	310	1579	<2	16	19	10	12
101927	CL409115	0.019	<1	4.18	14	436	3	2	1.27	<4	7	25	31	1.48	0.16	<1	0.25	140	4	26	291	5	<5	26	<10	293	1495	<2	16	26	8	13
101928	CL409116	<0.005	<1	4.48	14	678	3	3	1.76	<4	9	36	20	1.81	0.15	<1	0.34	176	8	36	317	21	<5	26	<10	255	1599	<2	18	17	6	30
101929D	CL409116	<0.005	<1	6.36	9	794	3	5	2.26	<4	9	41	23	2.00	0.08	<1	0.38	194	9	41	345	22	9	30	<10	277	1760	<2	20	11	6	36
101930	CL409117	<0.005	<1	5.02	10	677	2	4	3.56	<4	9	43	13	2.13	0.03	<1	0.47	318	9	46	337	7	5	25	<10	289	1655	<2	20	21	6	14
101931	CL409118	0.024	<1	9.31	10	778	4	2	2.84	<4	11	46	65	2.01	0.21	<1	0.32	196	11	51	342	75	8	58	10	330	1886	<2	22	26	11	117
101932	CL409119	<0.005	<1	>10.00	14	1112	7	3	8.06	8	46	136	41	8.80	0.26	<1	1.90	1363	20	135	2678	<1	12	45	15	1168	9704	<2	173	<10	44	102
101933	CL409120	0.067	<1	>10.00	12	760	4	5	3.01	<4	7	45	67	1.85	0.17	<1	0.26	168	10	47	367	360	<5	63	<10	383	1754	<2	21	38	12	494
101934	CL409121	0.030	<1	>10.00	18	794	5	6	3.25	<4	8	48	56	1.99	0.28	<1	0.27	189	11	51	354	65	10	51	<10	439	1857	<2	21	24	14	108
101935	CL409122	0.020	<1	>10.00	20	874	4	1	3.65	<4	6	42	41	1.54	0.38	<1	0.27	198	11	42	358	199	8	69	<10	358	1792	<2	18	40	12	350
101936	CL409123	0.007	<1	8.11	14	764	3	2	2.77	<4	9	50	75	2.01	0.12	<1	0.23	197	12	60	295	58	11	47	<10	364	1815	<2	22	10	8	96
101937	CL409124	<0.005	<1	5.81	14	766	3	4	2.27	<4	12	50	90	2.03	<0.01	<1	0.24	194	12	63	278	217	8	27	<10	328	1789	<2	22	26	8	303
101938	CL409125	<0.005	<1	3.11	9	591	2	5	2.10	<4	8	40	62	1.58	<0.01	<1	0.19	205	9	51	280	96	<5	17	<10	268	1558	<2	18	17	6	129
101939	CL409126	0.016	<1	4.40	10	688	3	5	1.69	<4	8	38	17	1.58	0.35	<1	0.31	179	11	43	304	12	<5	32	<10	245	1477	<2	17	14	5	22
101940D	CL409126	0.005	<1	5.11	11	1040	3	5	2.48	<4	8	50	23	2.17	<0.01	<1	0.37	245	14	51	366	15	11	37	<10	291	1876	<2	23	26	4	22

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Wednesday, December 4, 2013


## Final Certificate

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 Gogama, ON, CAN  
 P0M1W0  
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 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/02/2013  
 Job #: 201310914  
 Reference: CL sample series  
 Sample #: 302

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101941	CL409127	<0.005	<1	4.46	15	750	3	5	9.66	<4	10	39	14	2.87	0.08	<1	0.71	682	12	47	298	7	11	41	21	526	1377	<2	17	18	9	12
101942	CL409128	0.005	<1	4.31	16	731	3	4	2.03	<4	9	43	29	1.73	0.15	<1	0.28	212	9	50	334	10	8	21	17	298	1628	<2	20	16	5	5
101943	CL409129	0.011	<1	9.25	16	849	3	3	3.08	<4	9	31	35	1.75	0.12	<1	0.24	180	9	32	320	<1	9	54	<10	368	1885	<2	20	15	8	9
101944	CL409130	<0.005	<1	>10.00	28	894	3	3	3.37	<4	9	32	33	1.88	0.17	<1	0.28	161	8	23	382	<1	6	63	<10	388	1977	<2	21	27	10	5
101945	CL409131	<0.005	<1	>10.00	16	940	3	3	3.27	<4	8	45	35	1.96	0.12	<1	0.27	147	10	24	350	<1	9	55	<10	408	1936	<2	21	<10	10	<1
101946	CL409132	2.248	<1	>10.00	1429	933	7	3	8.80	15	66	278	191	15.90	0.21	<1	3.39	5200	6	123	3149	<1	<5	24	<10	736	9717	<2	189	<10	24	151
101947	CL409133	0.022	<1	>10.00	20	809	3	4	3.14	<4	9	84	14	2.15	0.15	<1	0.24	208	16	54	314	<1	11	52	<10	448	1869	<2	21	<10	10	3
101948	CL409134	0.007	<1	3.80	15	758	3	7	2.57	<4	9	75	10	2.10	<0.01	<1	0.18	191	13	41	216	10	8	19	<10	440	1812	<2	20	12	6	10
101949	CL409135	0.015	<1	2.91	12	725	3	3	2.41	<4	10	77	17	1.98	0.23	<1	0.19	200	12	40	278	3	7	39	<10	380	1722	<2	20	31	6	11
101950	CL409136	0.007	<1	4.63	10	614	3	4	1.90	<4	6	76	18	1.73	0.56	<1	0.18	164	15	50	290	5	<5	27	<10	398	1541	<2	17	23	7	8
101951D	CL409136	<0.005	<1	3.92	16	729	3	5	1.90	<4	9	73	19	1.90	0.72	<1	0.19	183	15	43	332	12	9	40	<10	428	1713	<2	19	14	7	13
101952	CL409137	0.007	<1	3.89	14	669	3	4	1.88	<4	7	79	24	1.78	<0.01	<1	0.17	174	15	48	301	8	7	34	<10	390	1591	<2	18	21	4	1
101953	CL409138	0.022	<1	3.75	11	615	2	4	1.91	<4	9	51	28	1.69	<0.01	<1	0.19	176	10	28	301	12	7	34	<10	404	1582	<2	17	21	5	16
101954	CL409139	0.035	<1	3.30	13	483	2	5	1.48	<4	7	87	26	1.88	<0.01	<1	0.17	188	16	62	280	17	6	43	<10	401	1514	<2	17	11	5	20
101955	CL409140	0.034	<1	6.58	18	612	2	2	2.11	<4	8	61	32	1.65	0.09	<1	0.22	164	11	40	277	<1	10	39	<10	381	1478	<2	16	23	7	4
101956	CL409141	0.028	<1	9.47	14	707	3	<1	2.46	<4	7	78	29	1.94	0.29	<1	0.25	183	13	42	334	<1	7	46	14	448	1727	<2	19	27	10	4
101957	CL409142	0.007	<1	>10.00	14	746	4	3	2.55	<4	8	64	26	1.93	0.29	<1	0.24	177	12	39	341	<1	11	40	<10	535	1761	<2	19	14	10	<1
101958	CL409143	0.007	<1	8.54	9	672	3	5	2.51	<4	6	59	20	1.78	<0.01	<1	0.23	194	10	31	302	7	7	43	<10	494	1712	<2	18	<10	8	14
101959	CL409144	<0.005	<1	7.94	16	955	7	3	7.13	9	45	84	40	8.77	0.13	<1	1.63	1344	11	54	2460	7	10	5	10	1139	9404	<2	175	16	37	99
101960	CL409145	0.012	<1	<0.01	9	117	3	2	0.03	<4	4	46	78	1.00	1.16	<1	0.10	144	2	15	144	10	7	25	<10	298	905	<2	13	<10	3	14

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Reference: CL sample series  
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101961	CL409146	<0.005	<1	1.54	9	585	2	2	1.87	<4	7	49	23	1.52	0.27	<1	0.17	215	8	31	215	10	8	35	<10	415	1395	<2	16	<10	4	9
101962D	CL409146	<0.005	<1	2.41	11	642	3	5	1.81	<4	7	58	23	1.61	0.52	<1	0.18	231	11	38	269	8	<5	34	<10	408	1466	<2	16	11	5	12
101963	CL409147	<0.005	<1	4.23	10	664	3	2	1.90	<4	9	61	9	2.01	0.23	<1	0.40	331	9	33	393	4	8	30	<10	336	1702	<2	24	<10	7	16
101964	CL409148	<0.005	<1	0.87	17	924	5	<1	5.24	7	36	21	14	7.34	<0.01	<1	1.48	1247	5	14	2237	7	7	18	<10	501	5606	<2	179	27	10	78
101965	CL409149	<0.005	<1	5.69	14	1032	5	3	6.28	7	37	22	15	8.09	<0.01	<1	1.72	1312	6	13	2762	5	8	18	<10	577	6537	<2	194	19	15	74
101966	CL409150	<0.005	<1	3.54	16	654	3	5	1.84	<4	9	61	34	1.68	<0.01	<1	0.20	295	12	33	308	3	5	46	<10	493	1605	<2	19	22	5	8
101967	CL409151	<0.005	<1	8.75	17	727	3	4	2.54	<4	9	53	31	1.76	<0.01	<1	0.24	268	10	30	305	<1	<5	37	<10	503	1726	<2	17	12	8	6
101968	CL409152	<0.005	<1	9.30	15	731	2	6	2.67	<4	8	59	19	1.73	<0.01	<1	0.25	253	12	34	306	<1	7	41	<10	432	1675	<2	17	35	7	3
101969	CL409153	<0.005	<1	>10.00	13	633	3	2	2.43	<4	7	65	23	1.90	0.20	<1	0.28	229	12	40	319	<1	10	48	<10	437	1686	<2	17	17	8	<1
101970	CL409154	<0.005	<1	8.15	18	795	3	3	2.68	<4	8	66	19	1.78	0.30	<1	0.24	214	13	41	290	<1	6	36	<10	397	1661	<2	18	19	7	11
101971	CL409155	0.012	<1	<0.01	14	719	3	3	2.30	<4	9	66	22	1.71	0.24	<1	0.14	206	12	31	192	18	8	20	<10	406	1590	<2	17	<10	5	8
101972	CL409156	<0.005	<1	1.22	9	708	2	<1	2.05	<4	8	77	29	1.98	0.33	<1	0.16	187	12	38	201	12	10	29	<10	368	1740	<2	19	17	5	9
101973D	CL409156	0.027	<1	5.45	15	713	3	5	2.15	<4	8	67	28	1.82	0.41	<1	0.19	175	10	36	305	5	10	43	<10	361	1734	<2	18	18	7	10
101974	CL409157	0.245	<1	7.38	27	1303	6	5	4.16	5	32	146	3323	5.90	<0.01	<1	1.35	766	119	44	1392	16	12	42	11	677	6113	<2	147	35	20	100
101975	CL409158	0.018	<1	3.88	12	751	3	5	2.07	<4	8	70	30	1.91	<0.01	<1	0.18	184	15	44	305	4	10	26	<10	398	1732	<2	19	14	6	8
101976	CL409159	0.009	<1	5.39	14	888	3	1	2.38	<4	8	72	27	2.02	<0.01	<1	0.20	191	12	37	335	10	8	52	<10	465	1805	<2	21	<10	7	7
101977	CL409160	0.009	<1	6.99	19	773	2	3	2.42	<4	10	80	28	1.99	<0.01	<1	0.22	196	12	38	348	2	10	34	<10	466	1752	<2	20	10	8	7
101978	CL409161	0.338	<1	6.29	9	773	3	6	2.17	<4	8	42	42	2.04	<0.01	<1	0.25	217	8	26	348	4	7	30	<10	435	1844	<2	21	18	8	9
101979	CL409162	0.259	<1	6.65	10	603	2	4	3.52	<4	6	56	11	2.08	0.12	<1	0.43	309	11	62	302	<1	8	39	<10	314	1525	<2	20	<10	10	10
101980	CL409163	0.007	<1	9.65	13	637	2	6	3.24	<4	6	49	19	1.95	0.14	<1	0.49	290	9	48	343	1	10	48	11	319	1626	<2	19	18	10	7

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101981	CL409164	0.006	<1	6.57	13	448	2	3	1.83	<4	5	63	55	1.52	0.11	<1	0.31	199	13	80	265	<1	5	37	10	253	1377	<2	18	<10	7	<1
101982	CL409165	0.062	<1	4.25	13	601	2	4	1.80	<4	9	97	95	2.03	0.08	<1	0.21	210	22	125	281	3	13	29	<10	346	1590	<2	22	<10	8	8
101983	CL409166	0.040	<1	4.33	13	502	3	3	2.00	<4	8	62	42	1.67	<0.01	<1	0.22	189	12	73	248	<1	10	37	<10	331	1501	<2	18	16	9	5
101984R	CL409166	0.050	<1	1.90	9	565	3	4	2.00	<4	9	51	44	1.65	<0.01	<1	0.21	195	10	54	261	7	10	18	<10	336	1561	<2	18	14	8	11
101985	CL409167	<0.005	<1	<0.01	15	577	3	2	1.81	<4	10	67	40	1.95	0.30	<1	0.23	211	17	86	231	19	14	21	<10	332	1491	<2	19	<10	6	26
101986	CL409168	0.014	<1	3.00	13	662	3	4	2.15	<4	8	84	50	2.09	0.15	<1	0.18	192	18	106	236	15	9	23	<10	416	1619	<2	21	18	8	17
101987	CL409169	<0.005	<1	9.01	15	889	6	2	6.68	7	40	92	35	7.49	0.38	<1	1.56	1228	16	96	2089	<1	<5	45	<10	1035	8414	18	152	12	35	113
101988	CL409170	<0.005	<1	3.61	14	706	3	6	2.39	<4	9	66	47	2.00	0.33	<1	0.19	188	14	83	216	32	6	39	<10	460	1625	<2	21	12	9	48
101989	CL409171	<0.005	<1	2.81	6	717	2	1	2.28	<4	9	52	35	1.84	0.33	<1	0.22	188	11	61	187	11	6	30	<10	328	1650	<2	21	18	8	18
101990	CL409172	<0.005	<1	0.10	13	629	2	5	2.48	<4	8	54	44	1.95	0.53	<1	0.20	216	12	66	161	10	6	19	<10	320	1492	<2	19	<10	7	54
101991	CL409173	<0.005	<1	0.79	11	670	3	4	2.29	<4	7	75	29	2.22	0.37	<1	0.27	246	15	92	238	37	8	17	<10	337	1615	<2	21	22	8	53
101992	CL409174	0.011	<1	1.66	11	612	3	3	1.80	<4	8	57	28	1.73	0.34	<1	0.17	175	12	66	258	37	6	25	<10	460	1614	<2	20	15	9	50
101993	CL409175	0.014	<1	1.97	8	558	2	3	1.37	<4	5	35	16	1.44	0.26	<1	0.15	131	7	39	266	12	6	18	<10	381	1457	<2	16	14	8	19
101994	CL409176	0.006	<1	0.24	10	479	2	6	1.01	<4	5	42	25	1.23	0.10	<1	0.13	133	4	21	248	30	9	24	<10	337	1336	<2	15	<10	6	31
101995D	CL409176	0.008	<1	0.55	14	544	2	5	1.07	<4	8	21	27	1.38	0.03	<1	0.15	150	2	20	273	27	5	25	<10	353	1451	<2	16	<10	6	41
101996	CL409177	0.012	<1	0.06	12	612	2	5	1.14	<4	9	26	22	1.46	0.03	<1	0.16	203	4	28	291	23	6	26	<10	343	1534	<2	17	13	6	27
101997	CL409178	<0.005	<1	0.69	12	663	2	3	2.04	<4	7	43	43	1.63	0.32	<1	0.15	212	10	52	221	31	8	28	<10	405	1511	<2	19	29	7	36
101998	CL409179	<0.005	<1	8.20	14	814	3	5	2.68	<4	7	50	42	1.70	0.60	<1	0.24	244	12	57	273	27	11	45	<10	432	1755	<2	20	26	12	38
101999	CL409180	<0.005	<1	>10.00	20	912	3	3	3.18	<4	8	46	41	1.85	0.48	<1	0.29	291	12	54	324	4	12	48	<10	374	1831	<2	24	<10	11	31
102000	CL409181	<0.005	<1	>10.00	12	877	3	3	3.43	<4	10	95	42	1.99	0.57	<1	0.29	303	16	68	352	6	8	58	<10	495	1938	<2	23	38	13	39

PROCEDURE CODES: ALP2, ALFA1, ALMA1

 Certified By:   
 Dr. David Brown, VP Quality

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Wednesday, December 4, 2013


## Final Certificate

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 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
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 Date Received: 11/14/2013  
 Date Completed: 12/02/2013  
 Job #: 201310914  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
102001	CL409182	1.533	<1	8.76	23	936	5	2	5.10	10	35	82	11891	10.29	0.52	<1	1.82	788	753	23	1455	37	12	37	14	936	4425	<2	195	21	14	134
102002	CL409183	0.012	<1	4.14	14	900	4	2	5.65	<4	12	87	39	2.07	0.65	<1	0.37	514	13	62	303	19	11	35	<10	865	1758	<2	31	21	9	14
102003	CL409184	<0.005	<1	>10.00	22	772	6	6	8.58	10	58	387	12	10.30	0.44	37	4.03	1486	8	72	2196	<1	10	54	<10	620	6171	<2	241	<10	20	98
102004	CL409185	<0.005	<1	0.59	14	673	3	2	2.62	<4	12	91	52	2.03	0.58	<1	0.38	348	8	42	327	11	6	11	<10	492	1855	<2	36	15	8	18
102005	CL409186	<0.005	<1	1.75	9	664	2	5	1.61	<4	7	80	35	1.79	0.49	<1	0.19	231	12	55	296	11	9	34	<10	411	1643	<2	20	19	7	10
102006D	CL409186	<0.005	<1	3.02	14	661	3	4	1.73	<4	7	80	32	1.76	0.35	<1	0.20	227	13	52	298	5	6	22	<10	419	1624	<2	20	<10	8	8
102007	CL409187	<0.005	<1	<0.01	16	525	2	5	2.47	<4	15	100	28	2.73	0.22	<1	0.68	449	8	41	542	17	11	19	<10	414	2158	<2	57	<10	6	17
102008	CL409188	<0.005	<1	3.12	11	672	2	4	2.00	<4	8	78	22	1.83	0.09	<1	0.36	278	12	52	312	2	8	27	<10	395	1605	<2	23	<10	6	15
102009	CL409189	0.014	<1	5.60	17	491	4	4	6.95	9	55	328	137	9.44	0.42	<1	3.38	1544	4	63	616	<1	5	10	<10	361	5170	7	214	39	12	91
102010	CL409190	<0.005	<1	4.59	17	292	2	4	7.92	<4	9	103	22	2.09	0.67	<1	0.81	792	11	36	314	10	8	32	<10	321	981	<2	24	<10	6	9
102011	CL409191	<0.005	<1	>10.00	18	582	3	4	9.21	4	11	69	27	4.69	0.58	<1	1.97	1328	10	31	288	<1	8	36	10	452	1352	<2	19	10	16	28
102012	CL409192	<0.005	<1	>10.00	15	875	4	3	5.38	4	12	91	11	3.72	0.41	<1	1.44	787	14	66	362	<1	12	54	<10	383	1732	<2	22	19	16	15
102013	CL409193	<0.005	<1	>10.00	15	639	4	3	8.52	5	14	128	17	5.32	0.39	<1	1.86	1300	22	123	314	<1	<5	50	<10	397	1502	<2	25	15	17	29
102014	CL409194	<0.005	<1	7.30	26	864	7	4	6.52	7	39	158	36	7.89	0.37	<1	1.46	1190	29	175	2065	5	9	17	<10	1023	7997	<2	154	31	32	83
102015	CL409195	<0.005	<1	0.89	11	726	3	3	2.07	<4	9	107	31	2.08	0.57	<1	0.31	286	16	68	221	13	9	26	<10	379	1666	<2	21	22	8	10
102016	CL409196	<0.005	<1	<0.01	10	568	3	3	1.52	<4	8	87	28	2.01	0.42	<1	0.16	251	14	78	217	16	8	15	<10	339	1698	<2	21	<10	7	17
102017D	CL409196	<0.005	<1	0.14	11	512	2	2	1.21	<4	8	78	26	1.78	0.30	<1	0.16	225	12	68	246	19	6	19	<10	314	1578	<2	19	28	6	7
102018	CL409197	<0.005	9	2.78	22	1476	3	2	3.93	<4	9	144	27	1.81	0.38	<1	0.12	225	31	82	391	35	11	24	<10	496	1834	<2	25	29	5	14
102019	CL409198	<0.005	<1	2.69	6	215	3	2	0.74	<4	14	221	13	2.69	0.27	<1	0.86	296	7	96	397	<1	7	23	<10	295	1736	<2	32	18	12	16
102020	CL409199	<0.005	<1	4.10	17	474	2	3	2.49	<4	13	192	10	2.21	0.17	<1	0.85	314	18	99	489	6	7	26	<10	337	1617	<2	40	13	6	15

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Wednesday, December 4, 2013


## Final Certificate

 Iamgold  
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 Gogama, ON, CAN  
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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/02/2013  
 Job #: 201310914  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
102021	CL409200	<0.005	<1	<0.01	11	935	4	3	2.22	<4	7	121	29	2.06	0.57	<1	0.19	238	18	89	242	24	8	23	<10	381	1784	<2	23	14	8	40
102022	CL409201	<0.005	<1	4.88	12	854	2	4	2.66	<4	8	115	21	2.09	0.67	<1	0.21	208	18	83	223	6	8	37	<10	420	1817	<2	22	<10	11	2
102023	CL409202	<0.005	<1	>10.00	11	968	3	4	3.56	<4	9	94	26	1.87	0.64	<1	0.29	201	13	52	308	<1	10	53	<10	348	1854	<2	21	26	13	<1
102024	CL409203	<0.005	<1	>10.00	11	973	3	<1	3.03	<4	7	94	24	1.91	0.45	<1	0.27	173	17	69	327	<1	10	42	<10	373	1820	<2	21	33	12	8
102025	CL409204	<0.005	<1	8.71	18	775	4	5	4.21	5	26	389	28	4.74	0.33	<1	2.09	556	22	141	856	1	9	30	<10	455	3456	<2	89	30	14	27
102026	CL409205	<0.005	<1	6.70	18	746	5	5	5.19	6	62	847	139	6.43	0.24	<1	4.26	819	17	500	553	2	5	7	<10	484	4906	<2	95	<10	16	54
102027	CL409206	<0.005	<1	0.92	14	711	2	6	2.06	<4	7	100	14	1.80	0.40	<1	0.17	171	14	69	218	7	6	14	<10	363	1622	<2	19	20	8	14
102028D	CL409206	<0.005	<1	<0.01	13	661	3	5	1.69	<4	8	93	13	1.62	0.58	<1	0.14	159	12	58	208	15	7	13	<10	341	1495	<2	18	<10	6	11
102029	CL409207	1.041	<1	2.84	597	593	5	4	7.22	11	63	278	116	11.43	0.60	<1	2.83	2889	6	120	2277	10	11	<5	<10	688	9773	3	170	18	14	124
102030	CL409208	0.040	<1	0.25	9	678	3	3	1.61	<4	9	81	26	1.99	0.50	<1	0.21	213	10	53	327	9	7	26	<10	362	1805	<2	26	<10	8	10
102031	CL409209	<0.005	<1	1.07	11	688	2	3	1.48	<4	7	87	15	1.80	0.32	<1	0.15	164	12	60	266	10	11	24	<10	401	1608	<2	19	<10	7	9
102032	CL409210	<0.005	<1	3.13	16	809	2	3	1.88	<4	7	68	15	1.59	<0.01	<1	0.16	152	8	27	313	11	8	17	<10	426	1619	<2	18	<10	7	6
102033	CL409211	0.097	<1	0.18	12	871	2	2	1.98	<4	10	64	32	1.67	0.55	<1	0.15	147	9	26	207	18	<5	33	<10	394	1617	<2	18	10	7	12
102034	CL409212	<0.005	<1	0.10	9	801	3	4	2.01	<4	7	61	28	1.73	0.69	<1	0.16	163	7	26	183	15	<5	24	<10	427	1624	<2	19	<10	8	5
102035	CL409213	<0.005	<1	5.73	15	816	3	3	2.91	<4	11	64	42	2.00	0.61	<1	0.23	208	9	30	224	4	<5	45	<10	509	1860	<2	20	18	12	5
102036	CL409214	<0.005	<1	9.79	11	733	5	4	8.78	9	53	686	18	9.15	0.33	41	4.24	1272	7	98	1655	3	10	21	<10	433	5986	3	186	16	17	107
102037	CL409215	<0.005	<1	5.86	12	972	3	2	4.72	<4	10	86	18	2.30	0.38	<1	0.43	343	10	36	248	5	6	41	<10	557	1959	<2	36	14	12	9
102038	CL409216	<0.005	<1	3.58	15	981	2	3	3.60	<4	8	75	32	1.93	0.46	<1	0.31	247	11	35	181	8	11	32	<10	476	1630	<2	35	<10	8	9
102039D	CL409216	<0.005	<1	3.34	18	919	3	6	3.01	<4	8	79	29	1.83	0.58	<1	0.31	239	10	32	250	2	9	41	<10	443	1581	<2	33	27	8	15
102040	CL409217	<0.005	<1	0.38	10	699	3	3	1.53	<4	7	99	40	1.55	0.62	<1	0.18	149	10	34	213	8	10	31	<10	371	1525	<2	18	<10	9	19

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Wednesday, December 4, 2013


### Final Certificate

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 Date Received: 11/14/2013  
 Date Completed: 12/02/2013  
 Job #: 201310914  
 Reference: CL sample series  
 Sample #: 302

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
102041	CL409218	<0.005	<1	1.05	17	690	3	5	1.59	<4	7	63	20	1.48	0.52	<1	0.19	150	7	29	263	8	8	32	<10	347	1554	<2	17	13	7	8
102042	CL409219	<0.005	<1	4.18	17	819	5	2	5.47	6	37	83	33	6.77	0.47	<1	1.22	1086	9	44	1961	13	9	23	<10	951	7813	<2	142	<10	22	89
102043	CL409220	<0.005	<1	2.62	13	725	3	7	1.62	<4	7	86	12	1.61	0.41	<1	0.21	158	7	21	300	<1	<5	22	<10	346	1614	<2	18	<10	8	5
102044	CL409221	<0.005	<1	4.38	15	840	2	9	2.08	<4	9	72	29	1.79	0.06	<1	0.21	184	8	31	335	2	13	21	<10	395	1802	<2	20	28	8	<1
102045	CL409222	<0.005	<1	2.61	14	668	4	3	4.40	4	28	171	26	4.86	0.44	<1	1.32	639	7	39	909	7	6	17	<10	359	3087	<2	105	23	9	51
102046	CL409223	<0.005	<1	1.56	13	775	3	3	2.04	<4	9	65	24	1.78	0.42	<1	0.21	177	13	61	254	9	<5	19	<10	380	1733	<2	22	<10	8	9
102047	CL409224	<0.005	<1	<0.01	12	946	2	2	1.76	<4	6	57	16	1.53	0.51	<1	0.18	164	8	42	186	18	8	24	<10	362	1649	<2	29	16	6	11
102048	CL409225	<0.005	<1	1.16	3	207	3	4	<0.01	<4	7	68	17	1.83	0.21	<1	0.60	206	7	73	170	<1	6	20	<10	281	1604	<2	31	12	12	10
102049	CL409226	<0.005	<1	3.00	9	221	3	3	<0.01	<4	8	84	17	2.17	0.33	<1	0.61	220	8	99	188	<1	5	34	<10	309	1674	<2	20	13	14	9
102050R	CL409226	<0.005	<1	2.93	3	165	3	3	<0.01	<4	8	71	17	2.06	0.45	<1	0.62	211	7	83	182	<1	8	24	<10	288	1601	<2	19	10	14	9
102051	CL409227	<0.005	<1	1.22	7	187	3	4	<0.01	<4	8	66	12	1.79	0.10	<1	0.58	191	7	78	174	<1	9	17	<10	300	1529	<2	25	31	12	9
102052	CL409228	<0.005	<1	<0.01	6	151	4	7	<0.01	<4	7	94	8	2.27	0.02	<1	0.66	271	5	75	262	<1	11	20	<10	340	1776	<2	40	<10	11	21

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Thursday, December 5, 2013


## Final Certificate

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 Date Received: 11/14/2013  
 Date Completed: 12/03/2013  
 Job #: 201310915  
 Reference: CL sample series  
 Sample #: 225

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
102053	CL242031	<0.005	<1	0.08	20	480	<2	8	1.97	<4	7	43	10	1.48	<0.01	8	0.23	208	11	24	346	18	<5	18	<10	347	1437	<2	27	<10	4	12
102054	CL242032	<0.005	<1	<0.01	17	449	<2	<1	1.94	<4	10	77	11	1.73	<0.01	12	0.35	210	<1	34	352	20	<5	8	<10	319	1232	<2	29	<10	4	23
102055	CL242033	0.006	<1	1.71	19	330	<2	20	5.30	5	34	763	27	6.41	<0.01	66	3.95	1089	<1	230	1487	18	8	19	<10	215	1724	<2	123	<10	8	128
102056	CL242034	<0.005	<1	<0.01	14	423	<2	8	5.80	6	38	985	21	6.99	0.23	72	4.14	1270	2	272	1577	18	9	<5	<10	200	1934	2	132	<10	7	150
102057	CL242035	<0.005	<1	<0.01	15	319	<2	33	5.91	5	44	770	7	6.00	0.48	61	3.99	1164	<1	264	1393	20	5	<5	<10	216	1821	<2	116	<10	8	140
102058	CL242036	<0.005	<1	<0.01	18	611	2	<1	1.62	<4	70	47	7	2.00	0.29	15	0.25	182	2	34	326	22	<5	19	<10	274	931	<2	30	<10	4	19
102059	CL242037	<0.005	<1	<0.01	18	606	<2	4	1.90	<4	40	40	7	1.54	0.25	11	0.22	231	3	33	304	24	<5	23	<10	287	1006	<2	32	10	3	14
102060	CL242038	<0.005	<1	<0.01	19	639	3	21	4.23	5	27	133	26	5.47	0.54	27	0.66	831	25	207	1335	23	6	10	<10	578	5324	<2	120	<10	17	81
102061	CL242039	<0.005	<1	1.28	22	621	<2	7	1.77	<4	34	51	10	1.44	0.11	10	0.24	242	4	45	351	21	<5	28	<10	289	1126	<2	34	<10	4	10
102062	CL242040	<0.005	<1	1.78	21	401	<2	3	2.07	<4	19	36	11	1.68	<0.01	9	0.28	186	1	30	311	20	<5	33	<10	341	1169	<2	24	<10	5	21
102063D	CL242040	<0.005	<1	2.14	17	434	<2	11	2.16	<4	21	39	12	1.72	<0.01	12	0.29	192	2	31	326	21	5	31	<10	344	1189	<2	25	<10	5	18
102064	CL242041	<0.005	<1	3.27	17	459	<2	10	2.15	<4	24	51	7	1.31	<0.01	11	0.28	224	3	36	319	21	7	25	<10	300	982	<2	23	12	5	17
102065	CL242042	<0.005	<1	<0.01	21	519	<2	7	2.03	<4	14	41	7	1.35	0.19	19	0.26	335	2	37	304	24	7	28	<10	284	1077	<2	27	<10	4	17
102066	CL242043	<0.005	<1	<0.01	15	402	<2	1	2.31	<4	12	72	8	1.14	0.09	21	0.22	320	6	41	275	17	8	11	<10	266	883	<2	23	<10	4	16
102067	CL242044	0.007	<1	<0.01	19	484	2	15	6.88	5	32	426	39	5.80	0.32	57	2.99	1329	2	100	1165	16	12	13	<10	323	2073	2	143	<10	9	91
102068	CL242045	<0.005	<1	<0.01	19	616	<2	3	2.60	<4	8	42	11	1.86	0.34	21	0.26	311	2	29	295	22	9	21	<10	311	1566	<2	31	<10	5	16
102069	CL242046	<0.005	<1	0.93	22	611	<2	7	2.64	<4	6	41	12	1.71	0.06	19	0.25	229	3	28	285	21	11	25	<10	329	1589	<2	28	<10	6	18
102070	CL242047	<0.005	<1	<0.01	19	596	<2	11	2.57	<4	5	44	11	1.60	0.30	20	0.22	251	3	34	235	23	<5	22	<10	300	1630	<2	28	10	5	23
102071	CL242048	<0.005	<1	<0.01	17	496	<2	3	2.37	<4	7	52	14	1.64	0.16	19	0.23	276	6	55	276	20	<5	23	11	290	1716	<2	29	<10	5	21
102072	CL242049	<0.005	<1	0.79	18	544	<2	8	2.48	<4	7	51	12	1.82	0.95	19	0.24	206	3	37	334	19	<5	36	<10	389	1769	<2	31	<10	5	22

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/03/2013  
 Job #: 201310915  
 Reference: CL sample series  
 Sample #: 225

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
102073	CL242050	<0.005	<1	<0.01	21	485	<2	9	2.39	<4	6	44	9	1.68	0.44	21	0.20	210	4	39	330	27	6	24	<10	345	1646	<2	26	<10	4	34
102074D	CL242050	<0.005	<1	1.14	18	444	<2	4	2.34	<4	7	45	9	1.63	0.36	17	0.23	203	4	38	347	19	5	26	<10	336	1610	<2	25	<10	5	13
102075	CL242051	0.193	<1	1.30	33	921	3	19	3.03	<4	20	89	2650	3.87	0.36	37	0.84	502	46	35	1008	37	8	15	<10	380	4212	4	104	10	13	67
102076	CL242052	<0.005	<1	1.83	18	441	<2	15	2.77	<4	7	47	11	1.85	0.15	21	0.30	287	6	41	374	26	7	31	<10	326	1662	<2	26	<10	5	28
102077	CL242053	<0.005	<1	1.38	18	505	<2	9	2.84	<4	8	59	9	1.95	0.16	26	0.25	247	7	59	309	22	<5	22	<10	358	1770	<2	28	<10	6	27
102078	CL242054	0.007	<1	<0.01	23	637	<2	<1	2.62	<4	8	60	25	1.90	0.43	28	0.18	248	8	48	220	28	5	28	<10	326	1761	<2	30	<10	4	25
102079	CL242055	<0.005	<1	2.09	19	811	<2	6	3.74	<4	7	40	22	2.16	0.13	30	0.30	336	5	23	262	21	9	22	<10	275	1759	<2	28	10	6	26
102080	CL242056	<0.005	<1	1.04	18	855	<2	12	2.68	<4	7	48	14	1.81	0.38	28	0.22	238	6	35	238	17	<5	25	<10	359	1714	<2	28	<10	5	13
102081	CL242057	<0.005	<1	1.00	18	892	<2	5	3.18	<4	11	92	20	2.29	0.20	32	0.42	361	7	47	292	20	9	21	<10	354	1993	5	38	<10	6	30
102082	CL242058	<0.005	<1	<0.01	18	658	2	29	5.64	5	29	93	20	5.90	0.44	62	1.59	903	4	45	2276	21	6	10	<10	368	4742	<2	148	10	12	111
102083	CL242059	<0.005	<1	<0.01	16	539	2	15	4.86	5	33	59	17	5.71	0.20	57	1.45	829	3	37	2356	28	5	14	<10	374	4873	<2	139	<10	13	101
102084	CL242060	0.010	<1	<0.01	18	729	<2	13	2.51	<4	10	57	20	2.41	0.28	32	0.39	351	3	36	667	22	6	14	<10	277	2315	<2	54	<10	6	35
102085D	CL242060	<0.005	<1	<0.01	21	669	<2	<1	2.26	<4	10	53	19	2.25	0.31	26	0.35	334	4	35	633	20	<5	12	<10	262	2196	<2	51	<10	5	37
102086	CL242061	0.006	<1	0.87	23	657	<2	1	2.13	<4	40	52	8	1.69	0.20	15	0.28	329	5	37	353	20	5	24	<10	299	1145	3	34	<10	4	17
102087	CL242062	<0.005	<1	0.88	19	588	<2	7	3.20	<4	11	41	23	2.29	0.18	22	0.38	423	4	33	431	18	<5	18	<10	384	2054	<2	46	<10	6	32
102088	CL242063	<0.005	<1	1.62	17	644	3	14	4.52	5	28	51	27	5.34	0.34	25	0.89	869	4	48	1545	31	5	14	<10	600	5880	8	124	<10	20	77
102089	CL242064	<0.005	<1	4.95	13	472	<2	15	4.80	4	19	245	13	4.23	0.09	45	1.66	701	5	72	722	16	<5	37	<10	354	2767	<2	76	11	10	75
102090	CL242065	<0.005	<1	3.28	25	570	<2	17	3.14	<4	10	51	9	2.04	0.21	30	0.28	245	6	39	299	29	<5	22	10	387	1847	<2	29	<10	7	31
102091	CL242066	<0.005	<1	2.62	25	511	<2	11	2.78	<4	8	38	10	1.90	0.05	19	0.30	275	5	32	276	16	10	35	<10	279	1691	<2	27	10	7	26
102092	CL242067	<0.005	<1	3.46	16	620	<2	6	3.08	<4	7	55	9	2.03	0.02	32	0.29	244	8	41	277	22	8	29	12	375	1804	<2	28	<10	7	24

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 Date Received: 11/14/2013  
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 Job #: 201310915  
 Reference: CL sample series  
 Sample #: 225

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
102093	CL242068	<0.005	<1	1.74	16	716	<2	<1	2.74	<4	6	36	9	1.86	0.04	22	0.26	243	5	27	261	26	5	13	<10	429	1764	<2	28	<10	6	26
102094	CL242069	<0.005	<1	3.08	18	472	2	6	5.51	6	31	76	37	5.91	0.40	52	2.17	985	<1	38	2509	22	12	16	<10	596	5142	<2	148	<10	18	110
102095	CL242070	<0.005	<1	2.45	<2	366	<2	<1	1.32	<4	8	42	5	1.86	0.10	8	0.61	258	7	63	320	2	6	24	<10	284	1684	<2	30	<10	9	29
102096D	CL242070	<0.005	<1	2.52	2	344	<2	<1	1.28	<4	7	41	4	1.79	0.25	4	0.60	247	7	68	304	1	5	29	<10	278	1600	<2	28	<10	9	24
102097	CL242071	<0.005	<1	<0.01	16	666	<2	6	2.20	<4	8	55	14	1.79	0.15	24	0.22	260	4	55	330	19	<5	34	<10	278	1687	<2	28	<10	4	25
102098	CL242072	<0.005	<1	0.40	18	265	<2	7	1.81	<4	5	52	7	1.82	0.15	21	0.27	262	4	65	319	15	<5	27	<10	261	1585	<2	26	<10	5	26
102099	CL242073	<0.005	<1	0.56	14	222	<2	33	2.04	<4	8	52	7	1.86	0.10	17	0.25	227	5	69	326	21	11	14	<10	303	1608	<2	26	<10	6	31
102100	CL242074	<0.005	<1	2.09	20	249	<2	11	1.88	<4	8	48	13	1.65	<0.01	9	0.29	222	2	53	325	17	<5	30	<10	263	1514	<2	24	<10	6	29
102101	CL242075	0.008	<1	1.81	19	477	<2	3	2.89	<4	6	49	23	1.93	0.15	18	0.27	290	5	57	301	22	<5	20	<10	292	1738	<2	29	<10	6	34
102102	CL242076	0.229	<1	3.60	33	954	3	9	3.22	4	21	87	2721	4.44	0.05	35	1.09	547	84	41	939	34	11	22	<10	439	4514	5	116	<10	18	66
102103	CL242077	<0.005	<1	3.34	19	341	<2	14	2.44	<4	8	55	13	2.26	0.11	25	0.42	327	7	66	302	38	9	38	<10	339	1930	<2	32	<10	7	58
102104	CL242078	0.026	<1	2.86	22	499	<2	5	2.23	<4	7	51	42	1.98	0.05	20	0.31	287	6	58	262	26	<5	34	<10	283	1719	<2	28	<10	7	34
102105	CL242079	0.008	<1	2.45	20	426	<2	3	2.06	<4	7	48	20	1.95	0.02	20	0.35	279	5	54	263	19	7	26	<10	290	1712	<2	27	<10	6	28
102106	CL242080	<0.005	<1	0.22	20	469	<2	6	2.40	<4	6	51	13	1.82	0.24	15	0.23	241	7	59	254	22	<5	29	<10	324	1694	<2	28	<10	5	32
102107D	CL242080	<0.005	<1	1.26	21	448	<2	5	2.39	<4	6	49	13	1.81	0.07	13	0.25	238	7	58	287	20	6	31	<10	324	1661	<2	28	<10	5	41
102108	CL242081	<0.005	<1	0.35	16	458	<2	8	2.41	<4	7	50	11	1.75	0.17	17	0.22	249	5	44	290	18	5	27	<10	297	1658	<2	26	10	5	65
102109	CL242082	<0.005	<1	<0.01	22	449	<2	4	2.24	<4	6	51	14	1.72	0.30	15	0.20	256	5	51	303	22	8	14	<10	289	1591	<2	26	<10	5	31
102110	CL242083	<0.005	<1	<0.01	14	339	<2	34	2.31	<4	8	53	12	1.79	0.25	17	0.22	243	6	58	325	25	<5	18	14	319	1605	<2	27	<10	4	45
102111	CL242084	0.045	<1	1.23	19	541	<2	7	1.89	<4	7	47	24	1.63	0.20	13	0.26	236	4	54	347	16	5	29	<10	224	1467	<2	26	<10	5	35
102112	CL242085	0.008	<1	2.38	21	348	<2	16	2.38	<4	7	49	10	1.79	0.07	12	0.26	238	5	51	368	18	5	23	<10	320	1636	<2	26	<10	5	39

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102113	CL242086	0.009	<1	2.21	19	412	<2	6	2.49	<4	6	36	10	1.74	0.04	21	0.27	247	2	25	325	21	<5	32	<10	311	1661	<2	27	<10	6	39
102114	CL242087	<0.005	<1	1.70	18	387	<2	3	2.38	<4	7	58	8	1.83	0.03	9	0.24	213	9	80	266	20	<5	28	<10	331	1564	<2	26	<10	6	23
102115	CL242088	<0.005	<1	0.12	18	567	2	46	3.86	4	23	45	22	4.71	0.41	22	0.80	748	5	66	1076	26	5	20	23	545	5109	<2	107	<10	19	79
102116	CL242089	<0.005	<1	1.93	21	446	<2	8	2.67	<4	8	57	15	2.02	0.17	14	0.27	267	10	63	273	18	8	14	<10	321	1682	<2	29	<10	6	35
102117	CL242090	<0.005	<1	0.60	23	521	<2	10	2.90	<4	9	48	16	1.89	0.13	24	0.23	272	7	46	260	23	<5	32	<10	308	1707	<2	28	<10	5	30
102118R	CL242090	<0.005	<1	<0.01	15	438	<2	10	2.51	<4	6	46	15	1.81	0.21	16	0.21	260	6	50	264	18	9	24	<10	286	1608	<2	26	<10	5	38
102119	CL242091	<0.005	<1	<0.01	14	518	<2	10	2.29	<4	8	31	17	1.66	0.02	20	0.21	288	11	37	304	19	<5	24	<10	232	1616	<2	27	<10	5	49
102120	CL242092	<0.005	<1	1.60	18	387	<2	3	2.51	<4	7	31	29	1.90	<0.01	20	0.27	276	1	33	306	20	5	28	<10	335	1769	<2	28	<10	6	59
102121	CL242093	<0.005	<1	3.31	22	469	<2	11	2.92	<4	8	34	30	1.93	<0.01	27	0.29	276	1	35	299	22	6	20	<10	357	1811	<2	29	12	6	47
102122	CL242094	<0.005	<1	3.33	14	423	<2	5	2.65	<4	6	33	10	1.87	0.02	22	0.31	272	3	36	304	19	5	26	<10	331	1702	<2	27	<10	6	47
102123	CL242095	0.016	<1	2.16	18	448	<2	1	2.87	<4	8	45	9	1.96	0.18	23	0.26	265	5	55	289	20	11	29	<10	341	1753	<2	29	<10	6	60
102124	CL242096	<0.005	<1	<0.01	18	418	<2	<1	2.40	<4	8	37	10	1.89	0.22	25	0.23	266	3	40	322	17	6	22	<10	309	1832	<2	28	<10	5	54
102125	CL242097	<0.005	<1	1.71	20	445	<2	16	2.43	<4	8	33	9	1.97	0.11	27	0.27	244	1	34	313	21	12	37	<10	328	1745	<2	30	<10	5	55
102126	CL242098	<0.005	<1	1.48	15	437	<2	<1	1.89	<4	7	32	20	1.75	0.02	18	0.31	262	3	36	347	21	8	26	<10	241	1569	<2	28	<10	5	46
102127	CL242099	<0.005	<1	1.46	10	460	<2	22	2.08	<4	5	25	11	1.53	0.07	12	0.27	261	<1	27	352	14	<5	28	<10	222	1487	<2	26	<10	5	36
102128	CL242100	<0.005	<1	1.63	21	380	<2	19	2.25	<4	6	39	33	1.78	0.04	14	0.29	282	2	40	346	19	6	21	<10	257	1562	<2	27	<10	5	50
102129D	CL242100	<0.005	<1	1.21	18	358	<2	15	2.12	<4	8	37	32	1.70	0.15	14	0.28	272	2	41	339	20	5	27	<10	248	1509	<2	26	<10	5	43
102130	CL242101	2.132	<1	1.97	757	421	<2	15	5.38	8	48	182	116	8.97	0.22	12	2.45	1869	1	128	1750	24	7	<5	<10	428	7606	13	138	<10	13	113
102131	CL242102	<0.005	<1	0.65	19	382	<2	9	2.15	<4	6	25	9	1.27	0.24	18	0.19	198	1	23	282	18	8	22	12	265	1328	<2	20	<10	4	26
102132	CL242103	<0.005	<1	0.38	17	544	<2	11	2.54	<4	10	35	13	1.80	0.14	23	0.23	271	4	42	313	21	6	18	<10	280	1625	<2	28	<10	5	43

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102133	CL242104	<0.005	<1	1.58	18	527	<2	7	2.64	<4	7	31	13	1.74	0.32	23	0.25	263	2	31	294	22	<5	24	<10	290	1579	<2	27	<10	6	25
102134	CL242105	<0.005	<1	3.15	18	527	<2	20	2.58	<4	7	30	16	2.04	0.22	21	0.35	276	<1	35	311	20	5	27	<10	266	1620	<2	30	10	6	38
102135	CL242106	<0.005	<1	2.71	19	424	<2	10	2.90	<4	8	37	11	1.93	0.14	24	0.29	269	3	40	305	16	5	32	<10	339	1679	<2	29	<10	6	42
102136	CL242107	0.019	<1	1.48	23	676	<2	17	3.18	<4	8	40	148	2.12	0.03	28	0.25	282	5	46	310	25	6	31	<10	237	1743	<2	28	10	5	28
102137	CL242108	0.673	<1	1.59	22	589	<2	7	2.71	<4	8	27	74	1.69	0.53	21	0.23	268	3	24	315	20	5	22	<10	236	1697	<2	27	<10	5	26
102138	CL242109	0.212	<1	3.03	18	456	<2	10	2.70	<4	8	35	24	1.79	0.08	15	0.28	268	4	32	352	21	<5	33	<10	292	1758	<2	28	<10	6	27
102139	CL242110	<0.005	<1	2.68	20	542	<2	17	2.64	<4	8	28	18	1.50	0.03	16	0.27	292	3	27	369	24	8	21	<10	250	1732	<2	27	<10	5	29
102140D	CL242110	0.006	<1	2.42	18	505	<2	9	2.52	<4	7	28	18	1.46	0.08	14	0.27	283	2	28	362	17	<5	22	<10	242	1650	<2	26	<10	5	27
102141	CL242111	0.006	<1	2.27	18	584	<2	14	2.34	<4	7	27	29	1.67	0.03	11	0.27	254	2	25	374	28	9	21	<10	267	1698	<2	26	<10	5	28
102142	CL242112	<0.005	<1	1.07	19	443	<2	6	2.25	<4	7	27	13	1.60	<0.01	10	0.22	240	<1	25	351	21	<5	27	<10	269	1608	<2	25	<10	4	30
102143	CL242113	<0.005	<1	0.90	18	700	3	11	4.74	5	27	70	26	5.51	0.17	23	0.85	910	9	101	1585	30	7	15	12	629	6006	<2	123	<10	20	82
102144	CL242114	0.006	<1	<0.01	20	600	<2	6	2.42	<4	5	30	26	1.76	0.30	18	0.20	226	3	33	288	23	5	27	<10	301	1653	<2	28	12	5	24
102145	CL242115	<0.005	<1	2.50	17	310	<2	9	8.23	6	39	404	65	6.60	0.32	66	3.33	1311	1	90	1287	33	10	35	10	361	4593	<2	162	<10	11	188
102146	CL242116	0.066	<1	2.11	17	622	<2	6	3.11	<4	9	38	42	1.92	0.17	23	0.30	272	6	46	284	20	<5	30	<10	355	1797	<2	31	<10	6	30
102147	CL242117	0.007	<1	3.28	24	263	<2	10	5.60	7	32	345	16	8.32	0.10	63	2.81	1174	4	100	1329	27	6	15	<10	385	4838	3	162	11	12	188
102148	CL242118	<0.005	<1	1.49	21	431	<2	11	2.60	<4	8	54	20	1.82	0.11	12	0.29	241	8	75	326	26	7	34	<10	340	1715	<2	33	<10	5	29
102149	CL242119	<0.005	<1	1.37	13	486	<2	17	2.60	<4	7	40	28	1.82	0.23	15	0.30	282	2	42	349	24	<5	27	<10	375	1751	<2	33	<10	6	35
102150	CL242120	0.014	<1	1.26	14	327	2	17	5.22	5	27	310	54	5.37	0.25	52	2.40	1005	1	78	1011	19	12	8	<10	345	3677	<2	125	<10	9	150
102151D	CL242120	0.011	<1	2.01	14	386	2	11	5.59	5	29	330	57	5.65	0.33	57	2.55	1061	2	86	1088	27	6	16	<10	362	3876	<2	132	13	10	154
102152	CL242121	0.010	<1	0.28	18	269	2	11	5.59	5	32	272	89	5.55	0.37	47	2.38	935	<1	69	1456	24	8	14	<10	415	4611	6	157	<10	9	137

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/03/2013  
 Job #: 201310915  
 Reference: CL sample series  
 Sample #: 225

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
102153	CL242122	0.008	<1	1.65	15	510	<2	5	2.22	<4	7	34	18	1.70	0.11	9	0.27	258	2	42	370	19	5	23	11	310	1620	<2	28	<10	5	18
102154	CL242123	0.017	<1	0.80	16	553	<2	3	1.66	<4	6	30	20	1.76	<0.01	<1	0.29	266	2	44	343	17	7	23	<10	287	1568	<2	29	19	6	24
102155	CL242124	0.007	<1	0.84	15	506	<2	7	2.39	<4	8	39	22	1.86	0.03	14	0.27	304	5	59	328	19	7	25	<10	235	1661	<2	28	<10	5	29
102156	CL242125	0.017	<1	<0.01	21	639	<2	9	2.67	<4	9	76	63	2.43	0.37	19	0.41	384	5	66	300	27	7	34	<10	226	1679	<2	39	10	5	36
102157	CL242126	2.162	<1	2.56	1230	628	<2	17	5.69	10	40	154	140	10.87	<0.01	21	2.28	3497	3	115	2141	28	6	<5	<10	419	6439	<2	138	12	16	133
102158	CL242127	0.012	<1	2.15	17	522	<2	3	2.86	<4	8	42	24	2.01	0.09	21	0.27	342	6	57	284	19	9	37	<10	283	1766	<2	30	10	6	31
102159	CL242128	0.009	<1	1.45	17	505	<2	1	2.56	<4	7	46	25	1.84	0.25	22	0.25	299	6	63	259	15	6	39	<10	278	1647	<2	28	<10	5	26
102160	CL242129	0.012	<1	1.04	21	498	<2	7	2.55	<4	9	36	38	1.98	0.20	27	0.25	261	4	42	294	24	<5	35	<10	333	1804	<2	30	<10	5	34
102161	CL242130	0.008	<1	0.18	15	400	<2	7	2.43	<4	9	58	34	1.98	0.26	19	0.23	277	9	91	329	21	6	16	<10	316	1635	<2	29	<10	5	37
102162D	CL242130	0.012	<1	0.95	16	414	<2	6	2.45	<4	8	56	33	1.94	0.14	21	0.24	271	9	84	335	20	10	33	<10	316	1624	<2	29	<10	5	34
102163	CL242131	0.009	<1	1.30	18	390	<2	10	2.42	<4	5	31	13	1.33	0.22	21	0.23	264	3	32	338	21	<5	30	<10	304	1488	<2	25	<10	5	16
102164	CL242132	<0.005	<1	1.59	19	343	<2	20	1.89	<4	2	31	10	0.91	0.30	13	0.18	154	<1	37	325	24	6	24	<10	301	1249	<2	22	<10	5	16
102165	CL242133	<0.005	<1	1.75	16	522	<2	14	1.95	<4	6	24	7	1.88	0.18	16	0.38	336	<1	27	437	21	6	19	<10	339	1767	<2	39	<10	5	56
102166	CL242134	<0.005	<1	2.60	20	370	<2	13	2.09	<4	5	25	7	1.20	0.03	5	0.25	205	<1	29	398	23	<5	24	<10	330	1638	<2	22	<10	5	15
102167	CL242135	<0.005	<1	<0.01	14	296	<2	9	1.23	<4	4	26	16	1.39	<0.01	4	0.24	232	<1	39	301	14	<5	29	<10	236	1335	<2	25	<10	4	16
102168	CL242136	0.084	<1	<0.01	18	511	<2	12	2.28	<4	6	26	19	1.49	0.19	18	0.20	286	1	31	266	16	6	30	<10	235	1562	<2	26	<10	4	19
102169	CL242137	0.031	<1	0.39	21	510	<2	4	2.46	<4	7	27	18	1.75	0.28	19	0.22	266	3	33	240	22	8	29	<10	288	1672	<2	27	<10	5	17
102170	CL242138	<0.005	<1	<0.01	16	134	2	<1	2.10	<4	17	20	15	3.38	0.84	<1	0.72	558	<1	38	873	19	5	11	<10	387	3852	<2	75	<10	17	49
102171	CL242139	<0.005	<1	1.14	19	422	<2	6	2.71	<4	7	34	10	1.86	0.29	20	0.26	250	4	43	257	20	8	22	<10	351	1681	<2	28	<10	6	20
102172	CL242140	0.014	<1	0.18	18	349	<2	<1	2.19	<4	4	39	67	1.44	0.33	12	0.26	225	4	42	219	24	<5	21	<10	267	1147	<2	22	<10	4	27

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102173D	CL242140	0.010	<1	0.32	30	362	<2	10	2.22	<4	3	39	82	1.46	0.16	10	0.26	228	5	47	243	28	5	19	<10	273	1170	<2	23	<10	4	31
102174	CL242141	0.007	<1	0.95	18	331	<2	11	2.17	<4	7	34	13	1.61	0.20	16	0.23	236	3	49	316	19	5	30	<10	295	1490	<2	25	<10	5	50
102175	CL242142	0.006	<1	<0.01	28	638	<2	6	1.66	<4	5	31	9	1.11	0.23	17	0.11	121	9	48	211	24	6	17	<10	207	1207	<2	15	10	6	13
102176	CL242143	0.007	<1	0.58	22	492	<2	11	1.20	<4	3	36	8	1.26	0.21	6	0.14	140	3	59	209	21	<5	25	<10	204	1117	<2	14	<10	8	17
102177	CL242144	0.009	<1	1.27	20	638	<2	5	1.53	<4	5	31	15	1.31	0.10	7	0.14	159	5	42	241	26	<5	24	<10	215	1243	<2	15	<10	7	15
102178	CL242145	0.006	<1	1.09	13	608	<2	11	1.45	<4	4	31	8	1.27	0.02	6	0.13	135	4	44	233	19	6	21	<10	221	1187	<2	15	<10	7	11
102179	CL242146	<0.005	<1	<0.01	18	640	<2	2	1.56	<4	5	43	9	1.29	<0.01	9	0.12	116	3	36	218	19	9	10	<10	231	1236	<2	15	<10	6	17
102180	CL242147	<0.005	<1	<0.01	17	710	<2	6	2.02	<4	5	58	9	1.38	0.19	14	0.12	136	6	56	178	25	<5	33	<10	242	1286	<2	17	<10	7	13
102181	CL242148	0.006	<1	1.54	16	772	<2	<1	2.62	<4	5	52	13	1.34	0.21	27	0.15	191	7	38	168	25	<5	32	<10	212	1317	<2	16	10	8	12
102182	CL242149	0.005	<1	0.81	18	574	<2	15	1.44	<4	5	22	11	1.21	<0.01	8	0.14	122	<1	24	149	23	<5	23	<10	201	1170	<2	14	<10	7	6
102183	CL242150	0.005	<1	<0.01	13	498	<2	2	1.51	<4	4	59	12	1.33	0.20	2	0.13	143	7	76	146	19	<5	22	<10	191	1103	<2	15	<10	7	6
102184R	CL242150	0.006	<1	<0.01	15	526	<2	7	1.46	<4	3	59	13	1.40	0.18	2	0.11	154	6	76	127	19	5	12	<10	194	1142	<2	16	<10	6	9
102185	CL242151	1.051	<1	0.86	550	414	<2	5	5.07	7	44	167	83	8.11	0.18	8	2.26	2027	<1	116	1715	21	6	<5	<10	409	6986	12	131	<10	12	108
102186	CL242152	<0.005	<1	<0.01	19	638	<2	<1	1.50	<4	5	63	9	1.38	0.22	5	0.12	134	6	62	198	24	<5	22	<10	221	1216	<2	16	<10	6	24
102187	CL242153	<0.005	<1	<0.01	16	748	<2	9	1.82	<4	5	56	10	1.37	0.14	13	0.11	154	5	35	182	30	7	23	<10	235	1229	<2	16	11	6	25
102188	CL242154	0.006	<1	<0.01	19	695	2	2	1.48	<4	6	46	8	1.61	0.16	11	0.09	180	5	33	156	26	5	16	<10	246	1191	<2	15	<10	5	22
102189	CL242155	<0.005	<1	<0.01	15	556	<2	8	1.49	<4	4	51	11	1.15	0.18	6	0.10	129	4	31	145	25	<5	19	<10	182	1146	<2	16	10	6	10
102190	CL242156	<0.005	<1	<0.01	18	603	<2	10	1.67	<4	5	47	13	1.18	0.15	6	0.11	126	3	30	162	27	<5	24	<10	189	1176	<2	16	<10	5	49
102191	CL242157	0.006	<1	0.45	18	716	<2	5	1.84	<4	3	48	13	1.26	0.06	8	0.11	131	4	30	156	27	<5	23	<10	258	1132	<2	14	<10	7	14
102192	CL242158	<0.005	<1	3.25	17	673	<2	7	2.04	<4	5	37	9	1.22	0.21	9	0.15	156	2	24	186	24	<5	30	<10	240	1219	<2	14	<10	8	23

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102193	CL242159	0.006	<1	4.27	24	701	<2	17	2.03	<4	5	37	10	1.16	0.05	12	0.15	158	2	19	204	18	10	30	<10	262	1178	<2	13	<10	10	9
102194	CL242160	<0.005	<1	5.13	23	783	<2	<1	2.29	<4	5	42	10	1.29	0.02	15	0.18	179	4	22	232	24	6	34	10	257	1290	<2	15	<10	10	12
102195D	CL242160	0.007	<1	5.15	21	749	<2	7	2.23	<4	4	40	10	1.28	0.04	11	0.18	173	3	22	223	23	<5	33	<10	254	1268	<2	15	13	10	4
102196	CL242161	0.006	<1	4.33	19	678	<2	<1	2.08	<4	3	34	8	1.23	0.04	11	0.17	163	2	20	211	23	<5	33	<10	250	1229	<2	14	<10	9	7
102197	CL242162	0.007	<1	1.04	21	602	<2	13	1.59	<4	4	43	9	1.12	<0.01	3	0.12	146	1	26	226	17	8	23	<10	222	1161	<2	14	<10	6	11
102198	CL242163	<0.005	<1	<0.01	20	727	3	11	4.78	5	28	50	27	5.65	0.17	25	0.77	898	2	52	1472	32	8	12	<10	629	6076	4	134	<10	18	90
102199	CL242164	0.006	<1	<0.01	17	633	<2	7	1.31	<4	4	40	12	1.10	0.71	4	0.09	152	1	20	201	27	7	25	<10	210	1134	<2	14	<10	5	22
102200	CL242165	0.006	<1	<0.01	21	634	<2	<1	1.29	<4	3	41	13	0.97	0.22	5	0.08	111	2	17	136	24	6	20	<10	187	1122	<2	14	<10	5	13
102201	CL242166	<0.005	<1	<0.01	14	499	<2	<1	1.44	<4	4	27	10	1.00	0.22	<1	0.08	136	<1	17	120	20	5	9	<10	200	1041	<2	12	<10	4	13
102202	CL242167	<0.005	<1	<0.01	21	578	<2	<1	1.64	<4	4	38	11	1.06	0.13	2	0.09	141	3	20	121	25	8	12	<10	215	1113	<2	13	<10	5	22
102203	CL242168	0.013	<1	<0.01	16	623	<2	5	1.39	<4	2	29	10	0.74	0.20	3	0.08	<100	1	18	127	23	<5	24	<10	183	1032	<2	12	10	5	65
102204	CL242169	0.010	<1	1.17	19	603	<2	12	2.02	<4	4	35	10	1.07	0.31	9	0.12	135	2	16	130	29	<5	27	<10	264	1148	<2	12	<10	7	9
102205	CL242170	0.006	<1	3.67	22	629	<2	6	2.06	<4	4	39	12	1.13	0.50	11	0.14	130	4	21	184	23	8	19	<10	252	1169	<2	13	<10	7	17
102206D	CL242170	<0.005	<1	5.02	21	617	<2	8	2.10	<4	4	44	12	1.12	0.19	9	0.16	129	3	22	207	22	7	23	<10	252	1162	<2	13	<10	9	13
102207	CL242171	<0.005	<1	5.14	20	601	<2	<1	2.21	<4	4	38	12	1.14	0.16	10	0.16	136	4	20	212	42	<5	34	<10	250	1169	<2	13	10	8	36
102208	CL242172	0.007	<1	3.02	20	509	<2	2	1.84	<4	5	34	12	1.15	0.15	7	0.15	131	1	19	203	28	6	34	<10	215	1138	<2	13	<10	7	14
102209	CL242173	<0.005	<1	<0.01	17	445	<2	4	1.18	<4	3	36	12	0.97	0.03	<1	0.10	114	2	18	204	26	<5	18	<10	185	1094	<2	14	12	4	16
102210	CL242174	0.010	<1	<0.01	18	562	<2	<1	1.47	<4	5	39	9	1.39	0.26	5	0.13	164	<1	21	211	25	<5	25	<10	193	1411	<2	23	<10	4	18
102211	CL242175	<0.005	<1	<0.01	18	580	<2	<1	1.26	<4	5	42	15	1.33	0.33	4	0.10	157	<1	19	158	25	6	13	<10	179	1305	<2	21	<10	3	24
102212	CL242176	2.260	<1	<0.01	1173	548	<2	15	5.06	9	38	158	127	10.00	0.36	7	1.80	3251	<1	105	1963	30	7	<5	<10	383	5910	<2	132	<10	10	99

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102213	CL242177	0.010	<1	<0.01	19	549	<2	5	2.26	<4	7	43	9	1.59	0.22	3	0.17	209	2	18	240	20	<5	9	<10	260	1535	<2	25	<10	4	18
102214	CL242178	<0.005	<1	<0.01	18	527	<2	5	2.25	<4	5	49	10	1.43	0.30	2	0.16	204	5	28	219	24	7	16	<10	244	1468	<2	23	10	4	20
102215	CL242179	<0.005	<1	<0.01	16	457	<2	9	2.61	<4	6	55	11	1.77	0.24	4	0.21	229	5	39	225	19	<5	16	<10	373	1609	<2	27	10	5	17
102216	CL242180	0.011	<1	2.71	19	475	<2	4	2.07	<4	5	58	17	1.32	0.27	2	0.19	139	7	48	219	22	<5	25	<10	277	1317	<2	21	<10	7	10
102217D	CL242180	<0.005	<1	0.99	15	329	<2	<1	1.51	<4	3	47	14	1.13	0.61	<1	0.17	119	4	41	176	14	7	26	<10	239	1152	<2	18	<10	6	2
102218	CL242181	<0.005	<1	4.95	22	505	<2	3	2.97	<4	7	59	11	1.84	0.21	6	0.32	223	21	42	303	25	5	26	<10	341	1687	<2	28	13	7	9
102219	CL242182	0.012	<1	5.58	21	537	<2	4	2.79	<4	5	56	11	1.60	0.24	6	0.27	225	5	31	286	19	8	41	<10	295	1555	<2	24	10	8	14
102220	CL242183	<0.005	<1	0.79	18	510	<2	8	2.41	<4	7	66	23	1.71	0.16	<1	0.22	267	5	40	288	19	7	27	<10	251	1524	<2	27	<10	5	10
102221	CL242184	0.010	<1	<0.01	16	503	<2	<1	2.30	<4	8	59	8	1.63	0.18	8	0.15	237	5	33	273	24	7	14	<10	292	1573	<2	26	<10	4	23
102222	CL242185	0.016	<1	<0.01	<2	293	2	13	1.01	<4	8	34	6	1.81	0.51	2	0.41	238	5	30	301	12	<5	34	<10	227	1684	<2	28	<10	6	56
102223	CL242186	0.011	<1	<0.01	20	680	<2	<1	2.65	<4	5	55	15	1.56	0.22	11	0.15	224	7	32	274	32	7	29	<10	325	1594	<2	28	<10	4	21
102224	CL242187	0.008	<1	<0.01	18	86	<2	10	2.05	<4	5	38	5	1.64	0.06	<1	0.24	289	<1	30	271	13	7	28	<10	275	1415	<2	20	<10	6	16
102225	CL242188	0.006	<1	<0.01	16	482	3	7	3.73	5	24	43	23	5.12	0.03	5	0.80	815	<1	56	1029	24	6	6	<10	590	5223	2	112	<10	18	74
102226	CL242189	0.015	<1	<0.01	13	366	<2	1	1.99	<4	6	48	12	1.72	0.11	<1	0.23	255	<1	36	266	18	<5	28	<10	264	1560	<2	25	<10	5	19
102227	CL242190	0.012	<1	<0.01	13	559	<2	6	2.26	<4	7	47	20	1.72	0.29	6	0.21	246	2	32	208	18	9	16	<10	254	1581	<2	26	<10	5	18
102228D	CL242190	0.014	<1	3.38	20	630	<2	2	2.64	<4	7	57	21	1.79	0.23	8	0.26	251	5	36	261	17	<5	24	<10	272	1686	<2	26	11	6	25
102229	CL242191	0.007	<1	4.68	21	314	<2	8	2.56	<4	6	41	7	1.89	0.05	<1	0.33	234	<1	30	320	15	<5	37	<10	342	1694	<2	26	<10	8	28
102230	CL242192	0.009	<1	4.75	20	481	<2	13	2.97	<4	6	58	17	1.80	0.17	10	0.29	253	5	42	300	17	<5	43	<10	298	1636	<2	26	<10	8	18
102231	CL242193	0.010	<1	4.46	22	760	<2	10	2.82	<4	5	42	41	1.34	<0.01	13	0.26	183	3	26	321	27	<5	28	<10	339	1589	<2	28	<10	7	8
102232	CL242194	0.011	<1	1.83	14	663	<2	12	2.54	<4	11	50	140	2.12	0.05	5	0.34	289	4	46	357	19	6	28	<10	420	1884	<2	38	<10	6	29

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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Thursday, December 5, 2013

## Final Certificate

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 Gogama, ON, CAN  
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 Email: Alan\_Smith@iamgold.com

 Date Received: 11/14/2013  
 Date Completed: 12/03/2013  
 Job #: 201310915  
 Reference: CL sample series  
 Sample #: 225

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
102233	CL242195	<0.005	<1	0.35	19	428	<2	14	4.06	6	35	170	14	7.12	0.35	28	1.83	850	2	76	2374	20	7	16	<10	502	4237	<2	142	<10	13	111
102234	CL242196	0.007	<1	0.05	18	349	<2	<1	5.23	6	45	247	10	6.00	0.12	19	2.46	957	<1	76	2218	17	12	12	<10	445	4506	<2	131	11	17	97
102235	CL242197	0.005	<1	<0.01	19	305	<2	6	4.82	<4	18	87	10	2.99	0.06	6	0.73	563	<1	46	752	17	<5	13	<10	334	2165	<2	50	<10	8	42
102236	CL242198	<0.005	<1	<0.01	16	430	<2	3	1.68	<4	5	66	8	1.27	0.24	<1	0.17	171	6	67	242	21	5	12	<10	302	1314	<2	30	<10	4	12
102237	CL242199	<0.005	<1	<0.01	20	1071	2	4	1.96	<4	6	29	6	1.72	0.17	3	0.34	264	<1	36	278	23	6	19	<10	331	1680	<2	35	<10	5	28
102238	CL242200	<0.005	<1	<0.01	13	455	<2	4	2.06	<4	6	50	9	1.56	0.24	1	0.16	226	7	46	197	23	7	17	<10	227	1479	<2	24	<10	5	18
102239D	CL242200	<0.005	<1	<0.01	18	509	<2	8	2.29	<4	6	52	10	1.60	0.40	2	0.16	231	6	49	190	26	<5	21	<10	239	1510	<2	25	<10	5	24
102240	CL242201	<0.005	<1	<0.01	22	823	<2	3	8.51	60	11	96	128	2.93	0.22	17	0.69	648	<1	39	545	62	<5	19	<10	351	2141	<2	58	102	11	60
102241	CL242202	0.210	<1	3.19	34	1006	3	10	3.34	4	21	97	2940	4.59	0.04	31	1.06	565	99	42	901	39	8	21	12	445	4665	<2	121	<10	18	75
102242	CL242203	<0.005	<1	5.20	27	302	<2	19	7.30	8	46	352	15	9.08	0.12	63	3.47	1380	2	96	1594	21	11	5	<10	335	4877	<2	153	<10	19	160
102243	CL242204	<0.005	<1	3.94	19	563	<2	9	4.61	<4	19	47	9	2.21	0.37	6	0.63	346	10	39	519	15	<5	34	<10	379	2293	<2	52	<10	8	31
102244	CL242205	<0.005	<1	3.37	20	315	<2	5	4.90	6	62	162	10	6.40	0.28	16	2.21	839	<1	69	2826	19	8	15	<10	731	5336	<2	155	<10	21	86
102245	CL242206	<0.005	<1	<0.01	20	415	2	13	6.07	6	35	399	84	6.43	0.33	49	3.03	1167	<1	84	1340	22	10	14	<10	296	4431	<2	165	<10	8	106
102246	CL242207	0.015	<1	<0.01	18	288	<2	14	3.17	<4	15	194	30	3.18	0.31	11	0.96	508	3	58	614	23	6	11	<10	316	2379	<2	69	<10	6	45
102247	CL242208	<0.005	<1	<0.01	19	422	<2	7	2.11	<4	6	74	11	1.69	0.31	2	0.21	230	6	47	299	21	5	26	<10	320	1497	<2	27	<10	4	22
102248	CL242209	0.010	<1	<0.01	16	502	<2	<1	1.94	<4	9	60	17	1.71	0.22	<1	0.21	227	3	25	255	18	<5	16	<10	296	1598	<2	28	<10	4	19
102249	CL242210	0.175	<1	<0.01	19	634	<2	6	2.16	<4	7	72	11	1.67	0.12	<1	0.22	203	5	28	279	19	8	14	<10	323	1594	<2	27	<10	4	20
102250R	CL242210	0.202	<1	<0.01	17	678	<2	4	2.24	<4	6	63	10	1.69	0.25	<1	0.21	206	3	25	218	19	<5	21	<10	331	1610	<2	29	<10	4	18
102251	CL242211	0.006	<1	0.41	17	607	<2	5	2.22	<4	5	71	9	1.63	0.11	<1	0.24	194	5	26	281	20	<5	29	<10	345	1600	<2	29	<10	5	55
102252	CL242212	<0.005	<1	<0.01	20	597	<2	3	2.46	<4	7	77	15	1.71	0.08	<1	0.24	205	5	29	246	26	6	20	<10	321	1639	<2	28	10	5	63

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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 Date Received: 11/14/2013  
 Date Completed: 12/03/2013  
 Job #: 201310915  
 Reference: CL sample series  
 Sample #: 225

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
102253	CL242213	<0.005	<1	<0.01	23	693	3	18	4.94	6	30	61	30	5.96	0.19	16	0.81	925	3	53	1247	33	8	<5	10	656	6113	<2	136	<10	21	97
102254	CL242214	<0.005	<1	<0.01	18	378	<2	16	2.56	<4	8	61	8	1.79	0.17	1	0.19	234	4	29	207	20	<5	23	<10	330	1619	<2	27	<10	5	42
102255	CL242215	<0.005	<1	<0.01	13	265	<2	3	1.70	<4	4	46	7	1.41	0.37	<1	0.18	193	<1	20	176	20	<5	25	<10	249	1306	<2	21	<10	5	30
102256	CL242216	<0.005	<1	0.65	17	424	<2	<1	2.65	<4	6	70	9	1.74	0.28	7	0.22	241	5	34	259	25	5	20	<10	297	1603	<2	26	<10	5	37
102257	CL242217	<0.005	<1	0.13	16	453	<2	8	2.10	<4	7	69	8	1.57	0.32	4	0.21	227	4	27	288	21	11	28	<10	257	1552	<2	25	<10	5	37
102258	CL242218	<0.005	<1	0.13	14	396	<2	8	2.18	<4	7	52	17	1.64	0.36	1	0.20	223	1	24	304	22	<5	24	<10	245	1543	<2	25	10	5	37
102259	CL242219	<0.005	<1	<0.01	13	376	<2	11	2.28	<4	6	62	11	1.56	0.20	<1	0.19	227	4	27	313	22	<5	26	<10	265	1518	<2	24	<10	4	34
102260	CL242220	<0.005	<1	0.54	18	377	<2	7	2.05	<4	7	69	10	1.53	0.11	<1	0.21	217	4	27	340	16	<5	22	<10	242	1550	<2	24	<10	4	27
102261D	CL242220	<0.005	<1	0.12	11	363	<2	2	1.99	<4	7	64	11	1.53	0.04	<1	0.21	218	15	25	332	16	<5	16	<10	239	1554	<2	25	<10	4	30
102262	CL242221	0.008	<1	0.41	18	501	<2	12	2.11	<4	8	54	39	1.56	0.02	<1	0.20	233	4	20	345	16	<5	22	<10	220	1537	<2	24	<10	4	28
102263	CL242222	<0.005	<1	0.17	15	513	<2	<1	2.37	<4	8	59	26	1.59	0.15	<1	0.20	242	3	18	303	22	<5	20	<10	207	1538	<2	24	<10	5	53
102264	CL242223	<0.005	<1	0.30	15	429	<2	8	2.47	<4	6	56	12	1.69	0.10	<1	0.21	216	6	30	281	22	8	19	<10	290	1607	<2	26	<10	5	20
102265	CL242224	<0.005	<1	0.41	18	360	<2	10	2.40	<4	6	56	9	1.66	0.09	<1	0.20	204	3	32	275	18	<5	25	<10	311	1563	<2	25	<10	5	29
102266	CL242225	<0.005	<1	<0.01	15	431	<2	<1	2.61	<4	6	87	14	1.93	0.08	<1	0.19	248	9	64	233	23	<5	17	<10	297	1666	<2	27	<10	5	33
102267	CL242226	1.580	<1	1.53	26	644	<2	19	3.48	7	22	52	11986	7.44	0.09	12	1.13	554	550	23	868	33	<5	18	13	564	3058	<2	151	<10	10	93
102268	CL242227	<0.005	<1	0.03	14	294	<2	<1	2.31	<4	7	81	17	1.88	0.22	<1	0.21	223	7	80	204	14	<5	22	<10	311	1587	<2	27	<10	5	29
102269	CL242228	<0.005	<1	<0.01	16	495	<2	26	2.33	<4	7	69	18	1.76	0.22	<1	0.18	234	5	52	238	22	6	5	<10	246	1594	<2	27	10	4	29
102270	CL242229	<0.005	<1	0.14	18	445	<2	7	2.17	<4	8	70	64	1.76	0.12	<1	0.22	261	6	45	299	24	<5	15	<10	256	1636	<2	27	11	5	24
102271	CL242230	<0.005	<1	0.55	16	500	<2	<1	1.66	<4	7	72	31	1.64	0.02	<1	0.25	189	4	39	308	17	6	17	<10	220	1380	<2	24	<10	5	18
102272D	CL242230	<0.005	<1	0.38	19	475	<2	7	1.55	<4	6	60	26	1.46	0.20	<1	0.24	171	5	38	306	13	7	27	<10	208	1275	<2	22	<10	5	17

PROCEDURE CODES: ALP2, ALFA1, ALMA1

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102273	CL242231	<0.005	<1	<0.01	16	615	<2	2	1.61	<4	7	59	32	1.59	0.07	<1	0.24	169	4	45	332	19	<5	22	<10	223	1385	<2	24	<10	4	22
102274	CL242232	0.005	<1	<0.01	16	592	<2	5	1.56	<4	7	61	41	1.53	0.11	<1	0.21	192	4	41	315	17	<5	24	<10	231	1341	<2	23	<10	4	16
102275	CL242233	<0.005	<1	1.06	13	571	<2	9	1.97	<4	6	81	8	1.62	0.23	<1	0.23	191	7	53	339	22	5	29	<10	325	1584	<2	28	<10	4	16
102276	CL242234	<0.005	<1	0.48	19	854	<2	6	1.94	<4	4	70	44	1.47	0.08	4	0.21	171	6	46	299	20	<5	20	<10	257	1371	<2	23	<10	9	13
102277	CL242235	<0.005	<1	<0.01	17	722	<2	8	1.74	<4	5	64	10	1.45	0.06	<1	0.19	206	5	43	283	18	5	22	<10	301	1325	<2	22	<10	5	16
102278	CL242236	<0.005	<1	0.37	12	802	<2	6	1.96	<4	6	50	11	1.58	0.07	<1	0.20	190	2	28	295	19	7	21	<10	384	1496	<2	24	<10	5	15
102279	CL242237	<0.005	<1	<0.01	21	1291	2	4	2.63	<4	12	58	9	2.99	0.12	7	0.43	381	2	28	569	23	7	29	<10	622	2262	<2	50	<10	7	39
102280	CL242238	<0.005	<1	0.26	25	664	3	7	4.53	5	27	54	30	5.64	0.15	8	0.88	865	5	61	1249	33	7	<5	14	619	5947	<2	127	<10	20	79
102281	CL242239	0.022	<1	<0.01	14	1293	<2	8	3.82	<4	7	50	203	2.22	0.13	<1	0.43	378	3	33	264	20	<5	5	<10	323	1256	<2	35	<10	5	25
102282	CL242240	<0.005	<1	<0.01	19	492	2	4	3.83	4	18	40	37	4.14	0.22	2	0.70	676	<1	21	1725	25	11	19	<10	984	3767	<2	92	<10	10	58
102283D	CL242240	<0.005	<1	0.66	18	447	2	2	3.55	<4	19	34	35	3.88	0.91	<1	0.80	637	<1	21	1876	19	<5	21	<10	920	3649	<2	85	<10	11	53
102284	CL242241	<0.005	<1	1.49	14	354	<2	8	1.53	<4	6	74	17	1.45	0.77	<1	0.28	220	10	32	356	16	5	26	<10	304	1403	<2	24	<10	5	21
102285	CL242242	<0.005	<1	1.03	16	232	<2	4	1.60	<4	5	72	10	1.54	0.30	<1	0.27	231	2	24	346	14	6	24	<10	324	1463	<2	24	<10	5	20
102286	CL242243	<0.005	<1	<0.01	16	462	<2	12	1.79	<4	6	70	21	1.39	0.37	<1	0.18	229	3	26	317	13	<5	17	<10	301	1376	<2	22	26	4	17
102287	CL242244	<0.005	<1	<0.01	16	334	<2	3	1.19	<4	9	108	21	1.40	0.31	<1	0.17	198	5	24	273	22	6	23	<10	247	1295	<2	20	<10	4	25
102288	CL242245	<0.005	<1	<0.01	13	431	<2	3	1.52	<4	6	66	14	1.38	0.12	<1	0.18	223	3	24	303	21	5	20	<10	263	1417	<2	22	<10	4	16
102289	CL242246	<0.005	<1	<0.01	17	310	<2	7	1.48	<4	6	90	11	1.50	0.06	<1	0.20	220	4	24	303	20	<5	14	<10	262	1457	<2	23	<10	4	22
102290	CL242247	<0.005	<1	<0.01	19	320	<2	<1	1.40	<4	5	74	11	1.54	0.04	<1	0.20	238	4	26	311	11	<5	13	<10	260	1468	<2	24	<10	4	21
102291	CL242248	<0.005	<1	<0.01	15	357	<2	7	1.57	<4	5	74	16	1.47	0.03	<1	0.20	226	4	29	297	20	5	18	<10	254	1475	<2	24	<10	5	28
102292	CL242249	<0.005	<1	2.42	20	241	<2	12	5.83	9	49	126	187	9.55	0.32	<1	2.12	1482	<1	63	648	22	<5	<5	<10	252	6479	2	266	<10	19	89

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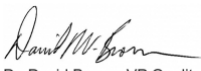
## Final Certificate

Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

Date Received: 11/14/2013  
 Date Completed: 12/03/2013  
 Job #: 201310915  
 Reference: CL sample series  
 Sample #: 225

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
102293	CL242250	<0.005	<1	<0.01	13	260	<2	1	1.91	<4	5	58	14	1.44	0.23	<1	0.27	187	2	21	289	19	6	32	<10	273	1276	<2	23	<10	5	9
102294D	CL242250	<0.005	<1	<0.01	17	185	<2	4	1.65	<4	5	48	13	1.40	0.27	<1	0.28	182	1	19	284	13	5	15	<10	260	1223	<2	22	<10	4	21
102295	CL242251	1.040	<1	0.88	505	346	<2	17	4.66	8	39	149	82	7.59	0.34	<1	2.10	1831	<1	104	1612	22	5	6	<10	406	6526	<2	122	<10	11	81
102296	CL242252	0.019	<1	0.41	18	257	<2	7	1.69	<4	4	49	12	1.18	0.17	<1	0.26	160	4	15	297	14	<5	20	<10	248	1140	<2	20	<10	4	4
102297	CL242253	<0.005	<1	0.66	19	566	<2	5	1.39	<4	7	52	183	1.52	<0.01	<1	0.25	148	2	21	319	19	6	17	<10	217	1339	<2	23	<10	4	11
102298	CL242254	<0.005	<1	<0.01	20	299	<2	15	1.16	<4	6	43	17	1.37	<0.01	<1	0.22	167	2	21	322	14	<5	19	<10	279	1343	<2	23	<10	3	12
102299	CL242255	<0.005	<1	<0.01	16	403	<2	7	1.40	<4	6	43	10	1.43	<0.01	<1	0.21	193	3	31	319	15	<5	20	<10	293	1412	<2	23	<10	3	14

PROCEDURE CODES: ALP2, ALFA1, ALMA1

Certified By:   
 Dr. David Brown, VP Quality

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Monday, February 4, 2013

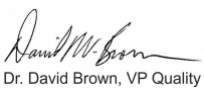
## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535

 Date Received: 01/15/2013  
 Date Completed: 02/01/2013  
 Job #: 201310005  
 Reference: E sample series  
 Sample #: 140

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
316	E1297861	2.070	<1	0.51	638	44	121	<2	10	0.74	4	24	27	74	5.12	0.05	5	1.62	1211	3	0.10	91	1232	14	<5	12	0.02	<10	31	767	<2	27	<10	11	154
317	E1297862	0.315	<1	0.44	13	47	16	<2	2	0.57	<4	6	24	1224	1.29	0.05	5	0.21	105	6	0.09	43	190	8	<5	11	0.01	<10	5	346	<2	8	<10	17	43
318	E1297863	0.189	<1	0.51	12	48	13	<2	10	0.61	<4	5	24	543	1.36	0.05	6	0.26	116	7	0.09	42	358	14	<5	9	0.01	<10	6	331	<2	8	<10	16	52
319	E1297864	0.187	<1	0.48	7	52	12	<2	<1	0.79	<4	4	27	278	1.29	0.05	6	0.23	121	8	0.10	46	789	9	<5	16	0.01	<10	9	401	<2	9	<10	32	71
320	E1297865	0.222	<1	0.94	15	49	51	<2	12	0.96	<4	9	20	177	2.87	0.21	12	0.55	240	5	0.08	34	445	10	<5	5	0.02	<10	14	769	<2	25	<10	29	61
321	E1297866	0.270	<1	1.31	19	45	82	<2	14	0.76	<4	12	18	304	3.94	0.36	18	0.81	289	5	0.07	33	618	7	<5	<5	0.02	<10	12	841	7	33	<10	26	55
322	E1297867	0.196	<1	0.80	14	43	12	<2	5	0.65	<4	8	21	486	2.14	0.05	11	0.47	152	6	0.08	34	248	7	<5	7	0.01	<10	6	419	<2	13	<10	26	70
323	E1297868	0.263	<1	0.46	19	47	14	<2	12	0.45	<4	2	19	434	1.13	0.06	6	0.26	<100	6	0.07	35	118	9	<5	7	<0.01	<10	3	249	<2	8	<10	13	22
324	E1297869	0.024	<1	0.35	12	44	15	<2	12	0.47	<4	2	22	47	0.77	0.06	5	0.17	<100	6	0.07	37	<100	9	<5	<5	<0.01	<10	3	234	<2	6	<10	12	18
325	E1297870	0.018	<1	0.35	15	46	12	<2	12	0.35	<4	2	20	41	0.78	0.06	5	0.19	<100	6	0.07	35	144	11	<5	13	<0.01	<10	3	162	2	6	<10	11	51
326D	E1297870	0.019	<1	0.35	10	41	12	<2	7	0.34	<4	2	24	39	0.79	0.06	5	0.19	<100	7	0.07	42	144	10	<5	11	<0.01	<10	3	161	<2	6	<10	11	22
327	E1297871	0.065	1	0.43	10	44	19	<2	3	0.98	<4	1	21	93	0.98	0.11	5	0.23	124	6	0.06	37	136	13	<5	10	<0.01	<10	7	<100	2	9	<10	11	76
328	E1297872	0.824	<1	0.44	10	42	30	<2	15	0.78	<4	2	28	13	0.92	0.21	6	0.21	<100	7	0.06	49	157	7	<5	10	<0.01	<10	6	214	<2	9	<10	5	55
329	E1297873	0.077	<1	0.46	16	52	18	<2	2	0.94	<4	3	26	137	1.11	0.09	6	0.20	116	7	0.07	46	146	9	<5	7	<0.01	<10	9	142	2	9	<10	7	32
330	E1297874	<0.005	<1	1.05	14	52	18	<2	4	0.74	<4	26	9	97	4.57	0.18	9	0.85	328	2	0.07	35	530	11	6	12	0.01	<10	11	1772	<2	143	<10	13	65
331	E1297875	0.188	<1	0.51	9	47	16	<2	8	0.78	<4	5	21	327	1.33	0.09	6	0.25	120	6	0.07	39	171	7	<5	8	<0.01	<10	6	190	<2	8	<10	9	18
332	E1297876	0.099	<1	1.01	11	42	26	<2	11	1.07	<4	12	14	627	3.64	0.14	12	0.55	246	4	0.07	28	902	10	<5	5	0.02	<10	8	526	<2	15	<10	32	40
333	E1297877	0.188	<1	1.08	16	46	34	<2	3	1.22	<4	13	17	608	3.82	0.16	12	0.58	250	4	0.08	36	899	13	<5	<5	0.02	<10	9	564	<2	17	<10	33	28
334	E1297878	0.233	<1	0.53	18	38	12	<2	11	0.82	<4	4	20	488	1.45	0.07	6	0.27	124	5	0.07	36	252	9	<5	8	<0.01	<10	5	211	<2	11	<10	17	22
335	E1297879	0.151	<1	0.44	13	44	14	<2	8	0.71	<4	4	26	45	1.10	0.08	5	0.21	101	7	0.08	48	213	11	<5	10	<0.01	<10	4	237	<2	8	<10	14	17

PROCEDURE CODES: ALP2, ALFA1, ALAR1

 Certified By:   
 Dr. David Brown, VP Quality

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Monday, February 4, 2013

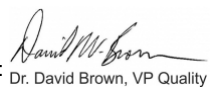
## Final Certificate

 lamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 POM1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535

 Date Received: 01/15/2013  
 Date Completed: 02/01/2013  
 Job #: 201310005  
 Reference: E sample series  
 Sample #: 140

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
336	E1297880	0.244	<1	0.88	28	43	14	<2	6	0.98	<4	9	17	1417	2.56	0.09	10	0.48	182	5	0.08	33	653	13	5	9	0.02	<10	9	520	<2	20	<10	30	22
337D	E1297880	0.269	<1	0.86	18	44	14	<2	21	0.97	<4	9	17	1395	2.54	0.09	10	0.48	180	4	0.08	34	656	11	<5	10	0.02	<10	8	484	<2	20	<10	29	20
338	E1297881	0.037	<1	1.36	14	44	15	<2	17	1.32	<4	12	16	150	4.25	0.08	15	0.81	322	4	0.07	30	702	12	<5	12	0.02	<10	10	709	<2	41	<10	29	40
339	E1297882	0.022	<1	1.28	17	49	9	<2	8	1.44	<4	14	12	60	4.52	0.05	15	0.76	330	3	0.07	22	727	9	5	6	0.02	<10	6	683	<2	39	<10	34	39
340	E1297883	0.048	<1	1.00	17	47	20	<2	11	1.34	<4	10	13	80	3.30	0.10	12	0.54	240	4	0.08	29	692	13	<5	9	0.02	<10	9	560	2	23	<10	29	32
341	E1297884	0.159	<1	0.39	13	48	18	<2	6	0.68	<4	2	19	123	0.90	0.08	4	0.16	<100	5	0.07	36	<100	7	<5	8	<0.01	<10	6	112	<2	6	<10	8	14
342	E1297885	0.065	<1	0.36	8	47	13	<2	<1	0.58	<4	4	21	203	0.88	0.06	4	0.17	<100	7	0.08	37	<100	10	<5	16	<0.01	<10	5	110	2	8	<10	14	11
343	E1297886	0.053	<1	0.36	9	51	12	<2	7	0.54	<4	3	21	132	0.88	0.06	4	0.19	<100	6	0.07	39	100	12	<5	<5	<0.01	<10	5	111	<2	8	<10	15	6
344	E1297887	0.300	<1	0.39	14	45	9	<2	10	0.63	<4	5	16	781	1.08	0.05	4	0.22	<100	4	0.06	29	169	13	<5	5	<0.01	<10	5	144	7	9	<10	20	7
345	E1297888	1.503	2	1.16	17	57	57	<2	16	1.41	<4	16	37	11249	5.53	0.20	18	1.04	338	500	0.08	15	768	25	<5	13	0.01	<10	70	1063	2	104	<10	7	85
346	E1297889	0.437	<1	0.28	13	42	9	<2	12	0.57	<4	3	15	1273	0.79	0.04	3	0.16	<100	5	0.06	25	<100	6	<5	8	<0.01	<10	4	141	<2	7	<10	15	37
347	E1297890	1.422	<1	0.41	15	35	10	<2	6	0.23	<4	3	45	577	1.19	0.04	4	0.25	<100	11	0.08	83	174	12	<5	9	<0.01	<10	<3	190	<2	12	<10	18	11
348D	E1297890	1.551	<1	0.40	10	43	9	<2	11	0.23	<4	4	20	577	1.04	0.03	5	0.26	<100	6	0.07	36	183	8	<5	10	<0.01	<10	<3	186	<2	11	<10	18	14
349	E1297891	0.047	<1	0.41	9	47	3	<2	5	0.49	<4	7	24	29	0.96	<0.01	6	0.32	<100	5	0.06	33	<100	11	<5	6	0.01	<10	4	164	<2	11	<10	10	16
350	E1297892	0.046	<1	2.71	14	45	57	<2	29	4.44	<4	34	398	140	4.73	0.38	37	3.43	580	1	0.03	198	1313	11	<5	11	0.03	<10	37	433	<2	105	<10	12	52
351	E1297893	0.006	<1	2.01	18	41	4	<2	9	2.81	<4	17	20	9	4.66	0.01	18	2.02	430	2	0.04	19	1744	6	<5	<5	0.03	<10	36	960	2	127	<10	14	44
352	E1297894	0.016	<1	0.47	18	45	16	<2	13	1.71	<4	7	11	23	1.78	0.04	5	0.35	169	2	0.06	19	206	11	<5	11	0.01	<10	14	246	4	17	<10	13	18
353	E1297895	0.026	<1	0.32	8	53	27	<2	9	0.77	<4	3	13	35	1.44	0.06	4	0.17	100	3	0.06	21	149	9	<5	<5	<0.01	<10	9	<100	<2	5	<10	10	13
354	E1297896	0.052	<1	0.30	9	54	24	<2	14	0.82	<4	2	19	98	1.12	0.05	4	0.15	<100	5	0.06	33	129	7	<5	9	<0.01	<10	9	<100	<2	5	<10	14	10
355	E1297897	0.065	<1	0.34	13	45	26	<2	5	0.85	<4	3	23	119	1.06	0.06	4	0.16	111	6	0.06	37	155	12	<5	<5	<0.01	<10	13	103	<2	6	<10	12	12

PROCEDURE CODES: ALP2, ALFA1, ALAR1

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Monday, February 4, 2013

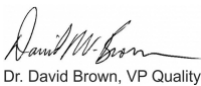
## Final Certificate

 Iamgold  
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 Ph#: (416) 363-8567  
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 Date Received: 01/15/2013  
 Date Completed: 02/01/2013  
 Job #: 201310005  
 Reference: E sample series  
 Sample #: 140

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
356	E1297898	0.046	<1	0.30	9	45	14	<2	14	0.75	<4	2	16	76	0.96	0.04	4	0.14	<100	5	0.06	25	<100	8	<5	8	<0.01	<10	9	102	<2	6	<10	9	13
357	E1297899	0.165	<1	0.40	10	42	24	<2	<1	0.49	<4	8	17	267	1.37	0.07	5	0.19	<100	5	0.06	43	109	6	<5	6	<0.01	<10	7	103	5	7	<10	9	18
358	E1297900	0.122	<1	0.34	17	49	26	<2	8	0.70	<4	2	14	400	1.02	0.09	4	0.16	<100	4	0.06	21	125	10	<5	<5	<0.01	<10	9	162	<2	6	<10	12	47
359D	E1297900	0.106	<1	0.34	9	55	26	<2	5	0.69	<4	2	13	396	1.01	0.09	4	0.15	<100	4	0.06	20	129	7	<5	7	<0.01	<10	8	167	<2	6	<10	12	43
360	E1297901	0.008	<1	0.92	7	50	20	<2	15	0.93	<4	22	12	122	3.67	0.19	7	0.56	221	2	0.06	36	473	9	<5	7	0.01	<10	9	1302	2	143	<10	12	39
361	E1297902	0.089	<1	0.36	14	44	24	<2	7	0.75	<4	3	15	283	1.28	0.06	4	0.17	103	5	0.06	28	158	9	<5	9	<0.01	<10	8	147	<2	8	<10	15	11
362	E1297903	0.211	<1	0.73	10	46	40	<2	7	1.10	<4	7	12	512	2.06	0.16	10	0.48	193	4	0.04	23	698	14	<5	8	0.01	<10	10	215	<2	16	<10	20	20
363	E1297904	0.050	<1	0.97	15	47	99	<2	17	1.02	<4	11	10	165	3.54	0.35	12	0.54	226	3	0.05	15	1008	8	<5	<5	0.01	<10	7	589	6	12	<10	30	27
364	E1297905	0.017	<1	0.87	12	54	66	<2	17	1.27	<4	11	11	54	3.57	0.27	10	0.46	247	4	0.06	21	984	12	<5	<5	0.01	<10	12	517	<2	9	<10	31	29
365	E1297906	0.764	<1	1.02	13	57	78	<2	2	1.27	<4	10	12	860	3.29	0.32	12	0.53	217	4	0.07	24	1030	9	<5	13	0.02	<10	11	760	<2	18	<10	40	27
366	E1297907	0.199	<1	0.56	12	49	22	<2	3	1.00	<4	5	13	767	1.83	0.08	6	0.27	150	3	0.06	21	364	13	<5	12	0.01	<10	9	217	<2	8	<10	22	11
367	E1297908	0.808	<1	0.38	8	43	11	<2	5	0.81	<4	5	16	1943	1.23	0.04	4	0.17	101	4	0.06	25	168	9	<5	13	<0.01	<10	7	<100	<2	9	<10	17	9
368	E1297909	2.044	<1	2.19	22	55	146	<2	15	0.97	<4	19	71	2209	5.40	1.13	34	1.28	306	4	0.05	53	308	10	5	9	0.03	10	7	1452	6	57	<10	13	62
369	E1297910	0.708	<1	0.38	14	56	17	<2	<1	0.82	<4	5	16	1823	1.27	0.06	5	0.15	109	3	0.06	21	157	12	<5	<5	<0.01	<10	7	145	<2	5	<10	19	10
370D	E1297910	0.911	<1	0.39	12	60	17	<2	5	0.84	<4	5	19	1872	1.33	0.06	5	0.16	114	5	0.06	30	166	11	<5	7	<0.01	<10	8	142	5	5	<10	19	12
371	E1297911	0.385	<1	0.33	13	48	19	<2	5	0.71	<4	3	19	652	1.23	0.06	4	0.13	<100	5	0.07	34	140	8	<5	7	<0.01	<10	7	109	<2	4	<10	13	10
372	E1297912	1.989	<1	0.42	12	41	13	<2	10	0.77	<4	6	15	770	1.20	0.04	5	0.20	<100	4	0.06	24	156	7	<5	5	<0.01	<10	6	<100	2	6	<10	16	16
373	E1297913	1.392	<1	0.44	17	51	12	<2	7	0.67	<4	6	16	1284	1.31	0.04	5	0.21	<100	4	0.06	26	177	9	<5	11	<0.01	<10	6	<100	3	7	<10	16	10
374	E1297914	0.250	<1	1.24	28	47	293	<2	16	0.87	<4	13	68	2129	3.00	0.84	28	0.90	296	44	0.09	27	739	16	<5	9	0.01	<10	28	2365	<2	82	<10	12	54
375	E1297915	0.544	<1	0.95	18	37	17	<2	6	0.85	<4	10	16	2027	3.11	0.09	12	0.56	181	4	0.06	28	511	7	5	5	0.01	<10	6	283	3	22	<10	27	25

PROCEDURE CODES: ALP2, ALFA1, ALAR1

 Certified By:   
 Dr. David Brown, VP Quality

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Monday, February 4, 2013

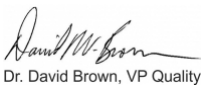
## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535

 Date Received: 01/15/2013  
 Date Completed: 02/01/2013  
 Job #: 201310005  
 Reference: E sample series  
 Sample #: 140

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
376	E1297916	0.252	<1	0.99	17	51	6	<2	19	0.89	<4	12	13	796	3.57	0.04	12	0.66	187	3	0.07	23	622	11	<5	7	0.02	<10	6	315	<2	19	<10	32	21
377	E1297917	0.074	<1	0.72	14	45	7	<2	17	1.46	<4	11	13	2075	2.61	0.03	9	0.46	168	3	0.07	21	437	11	<5	7	0.01	<10	8	470	<2	14	<10	31	18
378	E1297918	0.291	<1	0.39	13	56	13	<2	11	0.79	<4	5	15	1021	1.11	0.03	5	0.19	<100	4	0.07	23	174	8	<5	6	<0.01	<10	6	235	2	5	<10	22	12
379	E1297919	0.799	<1	0.43	13	53	12	<2	15	0.84	<4	4	14	882	1.11	0.04	5	0.24	108	4	0.06	23	168	9	<5	<5	<0.01	<10	6	134	<2	5	<10	17	10
380	E1297920	<0.005	<1	1.09	19	59	36	<2	14	1.61	<4	11	28	46	2.30	0.16	15	0.87	263	3	0.05	30	453	10	<5	5	0.01	<10	11	777	4	30	<10	4	24
381R	E1297920	<0.005	<1	1.10	15	50	44	<2	24	1.64	<4	11	29	35	2.30	0.21	15	0.86	266	3	0.05	30	459	7	<5	8	0.01	<10	11	784	2	31	<10	4	28
382	E1297921	<0.005	<1	1.00	14	48	46	<2	2	2.04	<4	9	24	43	1.98	0.25	15	0.80	311	2	0.04	27	429	7	<5	9	0.01	<10	14	693	3	26	<10	4	56
383	E1297922	0.143	<1	0.32	14	49	12	<2	7	0.99	<4	5	13	1978	0.95	0.07	4	0.17	102	4	0.06	24	151	9	<5	9	<0.01	<10	6	148	<2	6	<10	10	20
384	E1297923	0.350	<1	0.32	10	55	13	<2	2	0.82	<4	1	18	1457	0.85	0.07	4	0.14	<100	4	0.06	30	<100	9	<5	9	<0.01	<10	5	<100	<2	4	<10	8	14
385	E1297924	<0.005	<1	0.28	7	44	13	<2	15	0.76	<4	2	19	576	0.74	0.07	4	0.10	<100	5	0.06	33	<100	6	<5	5	<0.01	<10	6	115	<2	4	<10	10	11
386	E1297925	0.504	<1	0.36	13	51	10	<2	6	0.85	<4	3	18	614	1.00	0.06	4	0.14	<100	4	0.06	30	108	9	<5	13	<0.01	<10	6	156	<2	4	<10	14	11
387	E1297926	0.372	<1	0.35	9	52	12	<2	2	0.70	<4	5	16	1578	1.03	0.06	4	0.13	<100	4	0.06	29	116	10	<5	9	<0.01	<10	7	<100	<2	4	<10	9	11
388	E1297927	<0.005	<1	0.93	13	51	17	<2	12	0.65	<4	23	9	127	3.94	0.17	8	0.71	268	2	0.06	35	483	12	<5	5	<0.01	<10	10	1408	<2	139	<10	12	51
389	E1297928	0.203	<1	0.45	11	43	11	<2	7	2.08	<4	11	12	2494	1.62	0.06	5	0.19	204	3	0.06	23	143	13	<5	10	<0.01	<10	25	<100	<2	6	<10	10	20
390	E1297929	0.323	<1	0.33	9	52	17	<2	14	0.88	<4	5	16	672	1.22	0.07	4	0.12	110	5	0.06	30	128	11	<5	7	<0.01	<10	8	105	<2	4	<10	10	16
391	E1297930	0.316	<1	0.35	11	46	20	<2	2	0.84	<4	5	16	348	1.44	0.05	4	0.13	106	4	0.06	27	150	10	<5	11	<0.01	<10	8	<100	<2	3	<10	13	12
392D	E1297930	0.421	<1	0.33	13	45	19	<2	5	0.79	<4	5	17	328	1.35	0.05	4	0.13	101	5	0.06	32	137	9	<5	7	<0.01	<10	7	<100	<2	4	<10	12	9
393	E1297931	0.056	<1	0.32	13	47	19	<2	10	0.77	<4	2	18	42	1.37	0.05	4	0.14	<100	4	0.06	27	146	10	6	7	<0.01	<10	7	<100	<2	4	<10	15	5
394	E1297932	0.151	<1	0.39	13	43	18	<2	3	0.61	<4	4	16	331	1.14	0.06	5	0.20	<100	4	0.06	26	115	10	<5	<5	<0.01	<10	5	<100	<2	5	<10	15	5
395	E1297933	0.210	<1	0.50	8	53	17	<2	7	0.58	<4	3	21	364	1.44	0.05	6	0.31	103	5	0.06	36	155	9	<5	7	<0.01	<10	5	<100	<2	8	<10	12	10

PROCEDURE CODES: ALP2, ALFA1, ALAR1

 Certified By:   
 Dr. David Brown, VP Quality

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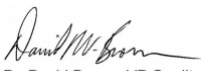
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 Reference: E sample series  
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Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
396	E1297934	<0.005	<1	2.28	17	52	7	<2	17	4.39	<4	18	263	68	4.13	0.04	47	2.41	620	<1	0.04	48	856	6	<5	8	0.03	<10	59	267	4	94	<10	15	45
397	E1297935	0.218	<1	0.39	11	51	19	<2	2	0.70	<4	5	14	810	1.03	0.06	5	0.24	<100	2	0.05	18	144	9	<5	8	<0.01	<10	8	<100	<2	5	<10	11	7
398	E1297936	0.052	<1	0.43	12	48	21	<2	5	0.68	<4	3	17	119	1.18	0.07	5	0.20	<100	4	0.05	28	140	8	<5	12	<0.01	<10	9	<100	<2	4	<10	10	7
399	E1297937	0.211	<1	0.40	13	52	14	<2	15	0.89	<4	3	14	629	1.17	0.06	5	0.19	<100	4	0.05	22	143	12	<5	10	<0.01	<10	7	<100	3	4	<10	9	8
400	E1297938	0.181	<1	0.34	10	50	10	<2	<1	1.26	<4	4	14	349	1.00	0.05	4	0.16	138	3	0.05	20	<100	12	<5	8	<0.01	<10	13	<100	2	4	<10	8	11
401	E1297939	0.252	<1	0.42	11	50	8	<2	13	0.79	<4	3	14	506	1.17	0.04	5	0.19	<100	4	0.06	21	<100	9	<5	<5	<0.01	<10	8	<100	<2	4	<10	8	16
402	E1297940	0.819	1	0.45	15	46	13	<2	9	1.08	<4	8	11	2432	1.91	0.11	6	0.25	113	3	0.03	19	103	10	<5	16	<0.01	<10	14	<100	<2	4	<10	5	22
403D	E1297940	0.630	<1	0.44	14	46	13	<2	6	1.05	<4	8	11	2430	1.85	0.10	6	0.24	110	3	0.03	17	<100	8	<5	17	<0.01	<10	14	<100	4	3	<10	5	16
404	E1297941	0.987	<1	0.37	272	42	66	<2	10	0.54	<4	22	24	47	3.86	0.04	4	1.64	723	3	0.08	92	1109	9	<5	8	0.01	<10	22	600	5	20	<10	10	60
405	E1297942	0.363	<1	0.48	6	41	9	<2	2	0.98	<4	3	22	772	1.35	0.06	6	0.25	116	6	0.05	38	126	10	<5	5	<0.01	<10	9	<100	<2	7	<10	8	12
406	E1297943	0.231	<1	0.39	9	47	11	<2	15	0.76	<4	4	18	909	1.16	0.06	5	0.17	<100	4	0.06	29	130	11	<5	8	<0.01	<10	6	<100	<2	5	<10	7	12
407	E1297944	0.169	<1	0.43	9	51	11	<2	<1	0.86	<4	4	16	589	1.16	0.06	5	0.23	103	5	0.05	24	139	8	<5	7	<0.01	<10	5	<100	<2	3	<10	13	9
408	E1297945	0.907	1	0.48	14	54	11	<2	13	0.98	<4	5	20	2173	1.39	0.06	6	0.25	112	6	0.06	31	178	11	<5	9	<0.01	<10	6	<100	<2	5	<10	16	8
409	E1297946	0.474	<1	0.41	19	52	8	<2	11	0.74	<4	3	15	1763	1.15	0.04	5	0.21	<100	7	0.06	23	159	6	<5	7	<0.01	<10	7	<100	3	6	<10	14	9
410	E1297947	0.099	<1	0.48	11	49	10	<2	13	1.34	<4	1	16	197	1.12	0.05	6	0.26	122	4	0.05	27	106	11	<5	8	<0.01	<10	7	<100	<2	7	<10	19	7
411	E1297948	0.530	<1	0.47	8	60	8	<2	3	0.73	<4	3	16	592	1.18	0.04	6	0.25	<100	4	0.06	24	595	11	<5	7	0.01	<10	5	<100	<2	8	<10	16	9
412	E1297949	0.266	<1	0.44	12	44	10	<2	<1	0.65	<4	3	24	335	1.05	0.06	5	0.18	<100	6	0.10	40	<100	8	<5	10	<0.01	<10	9	<100	<2	7	<10	5	14
413	E1297950	2.981	1	0.50	11	47	9	<2	12	1.70	<4	8	23	8482	2.12	0.06	6	0.24	108	6	0.08	50	3564	10	<5	14	0.02	<10	16	<100	<2	15	<10	27	12
414D	E1297950	2.543	1	0.51	9	50	10	<2	11	1.74	<4	7	24	8089	2.19	0.06	6	0.25	111	6	0.08	53	3647	12	<5	20	0.01	<10	15	<100	4	15	<10	27	13
415	E1297951	0.040	<1	0.50	13	43	8	<2	19	0.66	<4	2	26	84	1.19	0.07	6	0.25	<100	7	0.09	44	128	8	5	5	<0.01	<10	6	<100	2	9	<10	8	9

PROCEDURE CODES: ALP2, ALFA1, ALAR1

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416	E1297952	0.276	<1	0.45	13	46	9	<2	8	0.65	<4	7	29	284	1.11	0.08	5	0.20	<100	7	0.10	49	<100	4	<5	7	<0.01	<10	7	<100	2	7	<10	6	11
417	E1297953	0.286	<1	0.47	19	51	11	<2	<1	0.70	<4	3	38	967	1.19	0.08	5	0.19	<100	10	0.12	67	<100	8	<5	10	<0.01	<10	6	<100	<2	7	<10	9	14
418	E1297954	<0.005	<1	1.03	10	47	17	<2	11	0.74	<4	29	9	106	4.19	0.15	8	0.89	340	2	0.09	34	471	12	<5	5	0.02	<10	16	1904	2	138	<10	11	50
419	E1297955	0.166	<1	0.54	17	46	13	<2	9	0.82	<4	5	26	1047	1.44	0.09	6	0.24	102	7	0.10	43	139	10	<5	5	<0.01	<10	7	<100	3	9	<10	10	14
420	E1297956	0.212	<1	0.61	18	46	15	<2	6	0.71	<4	3	22	1432	1.54	0.09	7	0.34	104	6	0.09	38	148	9	<5	7	<0.01	<10	8	<100	<2	8	<10	12	9
421	E1297957	0.317	<1	0.47	11	45	17	<2	11	0.80	<4	4	20	1141	1.18	0.06	6	0.29	<100	6	0.09	35	152	12	<5	9	<0.01	<10	10	<100	3	7	<10	12	6
422	E1297958	0.026	<1	2.34	15	50	21	<2	7	4.52	<4	23	186	119	4.67	0.05	52	2.65	584	1	0.05	51	1582	12	<5	5	0.02	<10	130	475	<2	116	<10	16	46
423	E1297959	0.029	<1	2.56	15	51	12	<2	21	3.45	<4	21	114	75	5.20	0.03	45	2.72	564	<1	0.06	33	1771	6	<5	9	0.02	<10	77	330	12	130	<10	15	52
424	E1297960	0.028	<1	2.80	17	46	26	<2	13	1.62	4	16	11	93	6.35	0.05	31	2.38	448	<1	0.06	14	1918	15	<5	<5	0.02	<10	22	905	3	121	<10	21	106
425D	E1297960	0.024	<1	2.77	15	52	23	<2	31	1.61	4	15	11	94	6.29	0.05	31	2.36	445	6	0.05	14	1902	11	<5	10	0.02	<10	22	864	5	120	<10	20	68
426	E1297961	0.005	<1	3.15	15	43	21	<2	14	1.56	4	14	11	15	7.02	0.07	49	2.78	497	1	0.05	13	1939	9	<5	8	0.02	<10	19	462	<2	115	<10	16	69
427	E1297962	0.011	<1	2.65	14	47	14	<2	12	2.79	<4	17	13	22	5.72	0.03	34	2.28	528	<1	0.06	13	1824	9	<5	<5	0.02	<10	29	456	3	133	<10	15	51
428	E1297963	0.082	<1	2.26	19	46	11	<2	10	1.56	<4	13	13	102	5.13	0.04	33	1.94	369	<1	0.07	19	1342	12	<5	11	0.03	<10	14	459	5	87	<10	15	52
429	E1297964	0.196	<1	0.45	12	45	11	<2	10	0.75	<4	3	21	318	1.26	0.04	5	0.25	<100	6	0.11	39	171	11	6	8	0.01	<10	7	116	<2	9	<10	15	17
430	E1297965	0.145	<1	0.47	11	46	15	<2	<1	1.44	<4	4	29	238	1.31	0.06	5	0.24	129	7	0.12	49	144	10	<5	<5	0.01	<10	9	166	<2	9	<10	19	7
431	E1297966	0.144	<1	0.44	14	55	17	<2	9	0.66	<4	4	24	169	1.19	0.06	5	0.25	<100	6	0.11	41	113	8	<5	<5	<0.01	<10	5	140	<2	9	<10	14	11
432	E1297967	2.159	<1	0.52	659	51	124	<2	11	0.76	<4	25	28	80	5.27	0.05	5	1.66	1244	3	0.10	93	1270	14	<5	14	0.02	<10	30	728	3	27	<10	11	72
433	E1297968	0.113	<1	0.54	11	51	19	<2	<1	1.16	<4	5	40	203	1.50	0.06	6	0.36	136	9	0.13	66	710	13	<5	10	0.01	<10	11	210	<2	14	<10	32	16
434	E1297969	0.010	<1	3.56	17	26	6	<2	19	3.84	<4	24	446	37	5.46	0.04	58	3.93	755	<1	0.02	94	792	11	<5	9	0.02	<10	48	441	8	127	<10	9	85
435	E1297970	0.200	<1	0.51	17	35	7	<2	5	1.37	<4	6	40	679	1.28	0.02	7	0.48	138	5	0.09	35	312	11	<5	<5	0.01	<10	11	340	<2	19	<10	20	9

PROCEDURE CODES: ALP2, ALFA1, ALAR1

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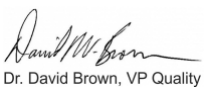
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436D	E1297970	0.304	<1	0.51	11	32	7	<2	5	1.35	<4	7	43	674	1.29	0.02	7	0.47	137	5	0.10	40	293	9	<5	5	0.02	<10	11	343	<2	19	<10	20	19
437	E1297971	0.013	<1	3.10	14	32	9	<2	11	4.02	<4	26	270	41	4.96	0.06	60	3.54	682	2	0.03	62	969	10	5	6	0.03	<10	61	897	5	126	<10	9	73
438	E1297972	0.203	<1	0.42	7	32	19	<2	7	0.62	<4	2	25	480	0.92	0.06	5	0.24	<100	6	0.11	41	125	6	<5	6	0.01	<10	7	<100	<2	8	<10	9	9
439	E1297973	0.098	<1	0.48	14	26	31	<2	6	0.64	<4	3	30	278	1.10	0.09	5	0.25	<100	8	0.11	52	185	10	<5	<5	0.01	<10	7	<100	<2	7	<10	13	12
440	E1297974	0.140	<1	0.43	10	26	28	<2	6	0.65	<4	4	22	339	1.11	0.09	4	0.21	<100	6	0.09	38	155	8	<5	9	<0.01	<10	6	<100	<2	5	<10	14	10
441	E1297975	0.108	<1	0.51	11	26	22	<2	6	0.44	<4	4	22	187	1.22	0.07	5	0.30	<100	6	0.09	38	166	9	<5	8	<0.01	<10	4	<100	<2	7	<10	18	10
442	E1297976	0.099	<1	0.49	17	27	22	<2	20	0.57	<4	3	22	73	1.18	0.07	6	0.28	<100	5	0.09	38	170	9	<5	7	<0.01	<10	5	<100	<2	9	<10	13	9
443	E1297977	0.110	<1	0.49	17	31	22	<2	18	0.67	<4	2	25	318	1.12	0.08	6	0.25	<100	7	0.10	42	131	11	<5	<5	<0.01	<10	6	<100	<2	8	<10	11	9
444	E1297978	0.129	<1	0.65	10	28	20	<2	20	0.77	<4	4	25	194	1.54	0.07	8	0.36	111	6	0.10	45	167	11	<5	6	0.01	<10	6	<100	<2	11	<10	12	14
445	E1297979	0.070	<1	0.42	10	30	19	<2	4	0.71	<4	2	28	167	0.88	0.08	5	0.21	<100	7	0.10	45	143	7	<5	<5	<0.01	<10	5	<100	<2	8	<10	12	5
446	E1297980	<0.005	<1	0.92	14	29	16	<2	13	0.58	<4	23	7	102	3.87	0.17	9	0.73	272	1	0.05	30	458	14	<5	5	<0.01	<10	10	1343	<2	133	<10	11	44
447R	E1297980	IS																																	
448	E1297981	0.092	<1	0.39	4	31	17	<2	19	0.44	<4	2	15	8	0.75	0.07	5	0.22	<100	4	0.07	23	119	9	<5	13	<0.01	<10	4	<100	<2	7	<10	15	6
449	E1297982	0.121	<1	0.36	11	33	15	<2	10	0.63	<4	2	21	7	0.71	0.07	4	0.19	<100	5	0.08	33	133	10	<5	7	<0.01	<10	6	<100	<2	5	<10	11	7
450	E1297983	0.242	<1	0.39	5	31	19	<2	9	0.81	<4	3	16	647	0.92	0.07	4	0.19	<100	4	0.07	24	152	7	<5	6	<0.01	<10	9	<100	<2	4	<10	12	6
451	E1297984	0.233	<1	0.40	8	30	18	<2	<1	0.80	<4	4	16	556	0.96	0.07	5	0.20	<100	4	0.07	25	152	8	<5	9	<0.01	<10	8	<100	3	4	<10	12	7
452	E1297985	0.254	<1	0.37	9	33	18	<2	5	0.75	<4	3	14	565	0.81	0.07	4	0.18	<100	4	0.07	22	147	11	<5	12	<0.01	<10	7	<100	<2	5	<10	9	7
453	E1297986	0.301	<1	0.42	13	31	21	<2	<1	0.64	<4	4	17	829	1.08	0.07	5	0.20	<100	5	0.07	30	176	6	<5	16	<0.01	<10	8	<100	2	4	<10	12	14
454	E1297987	0.270	<1	0.38	9	29	20	<2	6	0.73	<4	5	14	1181	1.26	0.06	4	0.19	<100	4	0.06	23	196	9	<5	8	<0.01	<10	8	<100	<2	4	<10	11	207
455	E1297988	0.366	<1	0.39	18	31	21	<2	5	0.75	<4	4	20	742	1.09	0.07	4	0.19	<100	5	0.07	32	136	8	<5	<5	<0.01	<10	9	<100	<2	4	<10	10	11

PROCEDURE CODES: ALP2, ALFA1, ALAR1

 Certified By:   
 Dr. David Brown, VP Quality

The results included on this report relate only to the items tested.  
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Monday, February 4, 2013


## Final Certificate

 lamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535

 Date Received: 01/15/2013  
 Date Completed: 02/01/2013  
 Job #: 201310005  
 Reference: E sample series  
 Sample #: 140

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
456	E1297989	0.279	<1	0.38	14	28	18	<2	6	0.70	<4	3	17	741	1.05	0.06	4	0.19	<100	5	0.07	31	149	9	<5	8	<0.01	<10	7	<100	<2	5	<10	8	12
457	E1297990	0.097	<1	0.44	5	32	19	<2	<1	0.60	<4	2	17	261	1.11	0.07	5	0.23	<100	5	0.07	30	126	8	<5	9	<0.01	<10	6	<100	3	7	<10	9	10
458D	E1297990	0.130	<1	0.41	19	31	17	<2	11	0.59	<4	3	15	253	1.04	0.06	5	0.22	<100	4	0.06	23	120	9	<5	6	<0.01	<10	5	<100	<2	6	<10	9	10
459	E1297991	0.175	<1	0.58	11	35	15	<2	13	0.93	<4	4	17	757	1.57	0.05	7	0.36	113	5	0.07	25	191	9	<5	10	<0.01	<10	7	<100	<2	11	<10	11	17
460	E1297992	0.092	<1	0.63	13	34	24	<2	17	0.70	<4	3	23	232	1.65	0.07	8	0.39	111	5	0.07	37	352	10	<5	<5	<0.01	<10	8	<100	<2	12	<10	12	15
461	E1297993	1.494	2	1.24	17	44	59	<2	20	1.50	<4	17	37	11137	5.68	0.21	18	1.07	348	515	0.09	15	794	23	<5	12	0.01	<10	86	1326	2	109	<10	8	78
462	E1297994	0.105	<1	0.53	12	34	21	<2	2	0.82	<4	4	18	347	1.45	0.05	6	0.32	104	5	0.07	24	152	7	<5	<5	<0.01	<10	9	<100	<2	6	<10	13	32
463	E1297995	0.104	<1	0.44	6	28	23	<2	4	0.63	<4	3	22	235	1.24	0.06	5	0.23	<100	6	0.08	35	147	8	<5	<5	<0.01	<10	8	<100	<2	5	<10	11	9
464	E1297996	0.156	<1	0.36	12	28	27	<2	<1	0.77	<4	3	19	327	1.30	0.05	4	0.17	<100	4	0.07	29	131	7	<5	15	<0.01	<10	11	<100	3	4	<10	11	4
465	E1297997	0.208	<1	0.40	8	28	26	<2	8	0.72	<4	4	16	412	1.16	0.06	4	0.22	<100	7	0.07	28	139	3	<5	<5	<0.01	<10	8	<100	4	5	<10	12	6
466	E1297998	0.054	<1	0.46	19	25	23	<2	11	0.58	<4	2	21	222	1.11	0.07	5	0.25	<100	5	0.07	34	144	5	<5	11	<0.01	<10	6	<100	<2	6	<10	11	14
467	E1297999	0.031	<1	0.40	14	26	31	<2	<1	0.66	<4	2	21	73	1.25	0.06	5	0.21	<100	6	0.07	33	124	10	<5	6	<0.01	<10	9	<100	<2	4	<10	11	7
468	E1298000	0.070	<1	0.43	16	32	15	<2	2	4.52	<4	5	13	1205	1.21	0.03	6	0.30	286	7	0.05	19	118	10	<5	<5	<0.01	<10	18	<100	<2	11	<10	46	4
469D	E1298000	0.070	<1	0.44	12	27	15	<2	<1	4.56	<4	5	14	1201	1.23	0.03	6	0.31	288	7	0.05	18	124	9	<5	8	<0.01	<10	18	<100	2	11	<10	47	<1

PROCEDURE CODES: ALP2, ALFA1, ALAR1

 Certified By:   
 Dr. David Brown, VP Quality

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Tuesday, February 5, 2013

## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535

 Date Received: 01/15/2013  
 Date Completed: 01/30/2013  
 Job #: 201310007  
 Reference: E sample series  
 Sample #: 197

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
635	E1314001	0.019	<1	0.55	4	48	19	<2	9	0.73	<4	<1	31	47	0.99	0.20	3	0.22	<100	9	0.12	47	147	4	<5	<5	<0.01	<10	10	<100	3	6	<10	10	54
636	E1314002	0.009	<1	0.47	5	45	18	<2	13	0.85	<4	2	21	18	1.42	0.11	2	0.16	<100	6	0.09	26	126	4	<5	<5	<0.01	<10	16	<100	4	4	<10	10	12
637	E1314003	<0.005	<1	1.19	8	50	30	<2	13	1.14	4	32	12	115	5.50	0.36	10	0.67	543	11	0.17	29	1149	7	<5	<5	0.02	<10	22	2876	4	141	<10	11	78
638	E1314004	0.019	<1	0.49	11	41	14	<2	9	0.71	<4	<1	21	90	0.95	0.14	2	0.18	<100	5	0.11	30	143	<1	<5	<5	<0.01	<10	15	<100	9	6	<10	8	10
639	E1314005	<0.005	<1	0.53	7	47	16	<2	10	1.09	<4	<1	22	3	0.82	0.22	3	0.20	104	6	0.11	24	307	1	<5	<5	<0.01	<10	15	103	<2	3	<10	12	8
640	E1314006	0.082	<1	0.63	8	47	22	<2	7	0.64	<4	<1	23	3	0.80	0.33	3	0.20	<100	11	0.15	31	143	3	6	<5	0.01	<10	7	237	<2	4	<10	9	8
641	E1314007	0.113	<1	0.58	8	44	19	<2	15	0.69	<4	<1	18	55	0.89	0.31	3	0.23	<100	6	0.14	27	189	<1	<5	<5	0.01	<10	8	282	4	6	<10	10	12
642	E1314008	0.735	<1	0.91	11	41	20	<2	12	0.87	<4	<1	37	201	2.16	0.43	7	0.55	229	15	0.09	52	<100	2	<5	<5	0.01	12	11	442	6	22	<10	6	24
643	E1314009	0.113	<1	1.42	10	49	25	<2	14	1.63	<4	4	25	124	3.65	0.59	11	0.95	310	14	0.07	43	528	<1	<5	<5	0.02	11	23	730	4	44	<10	10	38
644	E1314010	1.460	6	0.79	9	46	17	<2	18	1.47	<4	12	26	10748	3.11	0.37	7	0.71	263	11	0.04	33	<100	10	<5	<5	<0.01	16	15	373	2	24	<10	7	199
645D	E1314010	1.553	4	0.80	10	43	17	<2	28	1.50	<4	13	24	5658	3.15	0.37	7	0.71	267	12	0.03	34	<100	10	<5	7	<0.01	15	15	372	3	25	<10	7	204
646	E1314011	0.107	<1	0.76	6	47	16	<2	13	1.06	<4	2	37	844	2.10	0.34	5	0.63	215	15	0.09	56	<100	11	6	<5	0.01	<10	17	357	<2	22	<10	7	33
647	E1314012	0.074	<1	0.77	11	47	20	<2	6	0.71	<4	2	34	38	1.59	0.38	4	0.49	144	13	0.16	51	<100	5	<5	<5	0.01	<10	14	423	2	15	<10	11	11
648	E1314013	0.055	<1	1.07	8	50	23	<2	18	1.26	4	6	37	388	3.24	0.71	7	1.17	367	20	0.07	45	<100	105	<5	<5	0.02	11	17	752	4	42	10	8	300
649	E1314014	0.055	<1	0.62	6	54	17	<2	4	0.81	<4	2	29	60	1.49	0.26	5	0.42	138	10	0.12	40	107	5	<5	<5	<0.01	<10	11	267	2	10	<10	6	15
650	E1314015	0.044	<1	0.61	9	46	30	<2	6	0.55	<4	2	29	378	1.21	0.27	4	0.26	<100	7	0.14	38	155	11	<5	5	0.01	<10	9	299	4	8	<10	9	17
651	E1314016	0.011	<1	0.52	9	43	44	<2	11	0.51	<4	<1	23	32	1.37	0.19	3	0.17	<100	6	0.12	32	165	3	<5	<5	<0.01	<10	10	182	<2	5	<10	9	11
652	E1314017	1.585	2	1.33	11	62	63	<2	17	1.62	4	17	42	8845	6.17	0.22	18	1.17	383	537	0.10	18	850	23	<5	10	0.01	17	92	1409	6	120	<10	9	77
653	E1314018	0.012	<1	0.49	9	42	66	<2	7	0.48	<4	<1	19	38	1.64	0.22	2	0.14	<100	6	0.10	25	138	5	<5	<5	<0.01	<10	9	205	<2	4	<10	8	9
654	E1314019	0.019	<1	0.49	9	43	48	<2	10	0.44	<4	1	17	197	1.69	0.17	2	0.16	<100	6	0.08	21	138	5	<5	<5	<0.01	<10	11	178	2	3	<10	8	8

PROCEDURE CODES: ALP2, ALFA1, ALAR1

 Certified By:  Jason Moore, General Manager

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Tuesday, February 5, 2013

### Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 POM1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535

 Date Received: 01/15/2013  
 Date Completed: 01/30/2013  
 Job #: 201310007  
 Reference: E sample series  
 Sample #: 197

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
655	E1314020	0.029	<1	0.58	6	41	33	<2	10	0.53	<4	<1	22	50	1.42	0.21	4	0.29	<100	6	0.07	18	124	5	<5	<5	<0.01	<10	9	151	<2	7	<10	7	8
656D	E1314020	0.022	<1	0.57	6	42	32	<2	10	0.51	<4	1	21	47	1.39	0.20	4	0.28	<100	6	0.07	20	121	1	<5	<5	<0.01	<10	9	146	<2	6	<10	7	10
657	E1314021	0.069	<1	0.66	7	45	23	<2	11	0.67	<4	<1	27	23	1.33	0.30	6	0.37	<100	21	0.09	35	<100	<1	<5	<5	0.01	<10	10	253	<2	14	<10	5	15
658	E1314022	0.064	<1	0.37	6	44	10	<2	11	0.44	<4	<1	20	2	0.43	0.17	3	0.17	<100	8	0.08	19	<100	4	<5	7	<0.01	<10	7	<100	2	2	<10	5	5
659	E1314023	0.084	<1	0.56	7	49	15	<2	12	0.76	<4	<1	19	4	0.69	0.21	4	0.28	<100	9	0.09	22	<100	2	<5	<5	0.01	<10	13	<100	4	3	<10	6	7
660	E1314024	0.028	<1	0.59	4	43	15	<2	7	0.85	<4	1	21	7	0.79	0.25	7	0.35	<100	10	0.08	23	<100	1	<5	<5	<0.01	<10	10	<100	4	3	<10	6	7
661	E1314025	0.168	<1	0.94	7	46	39	<2	8	1.29	<4	<1	26	820	1.52	0.52	12	0.75	172	15	0.05	25	<100	5	<5	<5	<0.01	<10	9	277	<2	11	<10	8	18
662	E1314026	3.298	5	1.21	7	51	49	<2	12	1.32	<4	10	38	11963	3.84	0.45	11	0.96	328	26	0.06	32	147	<1	<5	<5	0.02	18	24	550	<2	44	<10	6	44
663	E1314027	26.710	8	1.44	11	53	57	<2	15	3.01	5	26	71	21655	6.60	0.77	13	2.15	707	21	0.05	64	305	11	<5	<5	0.02	12	68	867	<2	93	<10	8	134
664	E1314028	0.148	<1	0.57	7	45	32	<2	10	0.46	<4	1	32	286	1.17	0.16	3	0.30	<100	21	0.16	54	104	<1	<5	11	0.02	<10	13	164	<2	9	<10	7	10
665	E1314029	0.058	<1	0.74	7	50	67	<2	6	0.52	<4	1	34	44	1.48	0.35	6	0.40	105	33	0.15	49	117	<1	<5	<5	0.02	<10	19	300	<2	13	<10	6	16
666	E1314030	0.012	<1	0.95	4	44	34	<2	6	1.26	<4	24	14	125	5.14	0.38	7	0.57	302	11	0.10	30	1207	13	<5	<5	0.02	<10	23	1796	<2	172	<10	11	38
667D	E1314030																	IS																	
668	E1314031	0.020	<1	1.88	8	53	549	2	13	4.49	<4	26	176	90	4.87	1.44	19	2.88	892	7	0.07	56	2406	8	<5	<5	0.02	<10	326	1878	<2	133	<10	14	58
669	E1314032	0.019	<1	0.78	9	40	52	<2	5	0.38	<4	2	29	23	2.02	0.26	7	0.56	<100	15	0.07	45	135	<1	<5	<5	0.01	<10	14	192	<2	14	<10	7	18
670	E1314033	0.048	<1	0.71	9	37	21	<2	14	0.47	<4	2	33	5	1.96	0.19	6	0.50	112	33	0.07	55	179	3	<5	<5	0.01	<10	18	191	3	19	<10	5	21
671	E1314034	0.062	<1	0.60	6	42	10	<2	13	0.68	<4	2	34	9	1.65	0.09	4	0.42	113	18	0.07	39	108	4	<5	5	<0.01	<10	34	124	<2	19	<10	6	15
672	E1314035	0.587	<1	1.16	9	42	37	<2	9	0.89	<4	5	32	37	3.10	0.51	11	0.86	212	29	0.06	38	116	2	<5	8	0.01	12	21	632	6	40	<10	10	31
673	E1314036	0.121	<1	0.90	11	42	31	<2	13	0.78	<4	3	45	30	2.34	0.53	10	0.62	176	21	0.06	65	447	6	<5	<5	0.01	11	15	628	<2	34	<10	10	22
674	E1314037	1.811	<1	1.23	10	43	42	<2	9	0.41	<4	5	33	12	3.08	0.81	13	0.73	138	42	0.07	50	210	3	<5	<5	0.01	15	7	827	<2	40	<10	8	28

PROCEDURE CODES: ALP2, ALFA1, ALAR1

 Certified By:   
 Jason Moore, General Manager

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Tuesday, February 5, 2013

## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535

 Date Received: 01/15/2013  
 Date Completed: 01/30/2013  
 Job #: 201310007  
 Reference: E sample series  
 Sample #: 197

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
675	E1314038	0.081	<1	0.70	6	46	26	<2	16	0.50	<4	<1	34	24	1.61	0.37	7	0.40	<100	33	0.08	51	144	<1	<5	<5	0.01	<10	12	370	<2	15	<10	8	13
676	E1314039	1.690	<1	0.88	8	47	35	<2	51	0.74	<4	3	30	295	2.36	0.49	9	0.56	145	24	0.06	44	128	3	<5	<5	0.01	12	17	508	<2	30	<10	6	23
677	E1314040	0.077	<1	0.99	6	43	24	<2	9	1.69	<4	4	35	625	3.15	0.34	8	0.91	321	19	0.05	40	<100	4	<5	<5	0.01	11	54	378	5	52	<10	6	34
678D	E1314040	0.053	<1	0.99	11	40	24	<2	26	1.69	<4	4	37	623	3.17	0.34	8	0.92	321	22	0.05	41	<100	5	<5	<5	0.01	10	54	375	4	52	<10	6	33
679	E1314041	<0.005	<1	0.57	9	45	33	<2	10	0.59	<4	1	31	14	1.36	0.24	4	0.36	119	17	0.07	43	101	2	<5	<5	<0.01	<10	13	310	4	15	<10	5	13
680	E1314042	0.139	<1	0.75	10	41	40	<2	8	0.87	<4	4	27	1040	2.24	0.50	7	0.74	197	27	0.06	36	<100	4	<5	<5	<0.01	12	16	555	<2	29	<10	8	31
681	E1314043	0.207	<1	1.38	25	44	318	<2	13	0.96	<4	14	70	2275	3.21	0.90	28	0.98	324	53	0.10	29	776	7	<5	10	0.01	<10	36	2546	5	88	<10	13	72
682	E1314044	0.103	<1	1.31	9	37	52	<2	7	1.98	<4	10	34	513	4.06	0.91	12	1.79	476	25	0.04	44	<100	2	<5	<5	0.01	15	37	992	4	79	<10	27	49
683	E1314045	0.047	<1	1.10	8	47	45	<2	8	0.95	<4	5	30	99	2.87	0.47	10	1.08	241	73	0.06	35	<100	2	<5	<5	0.02	13	23	704	5	47	<10	14	29
684	E1314046	<0.005	<1	2.42	11	45	255	<2	11	4.09	<4	26	24	31	5.62	1.22	24	2.41	834	9	0.06	22	1725	9	<5	<5	0.02	<10	108	1361	3	130	<10	12	54
685	E1314047	0.056	<1	1.01	5	44	97	<2	17	0.83	<4	3	23	24	2.30	0.52	12	0.86	215	25	0.06	31	167	1	<5	<5	0.02	12	31	635	3	44	<10	9	23
686	E1314048	0.522	<1	1.25	9	42	85	<2	9	0.95	<4	6	27	43	2.99	0.62	16	1.10	246	38	0.06	40	<100	5	<5	<5	0.02	16	28	643	2	44	<10	7	30
687	E1314049	0.087	<1	0.95	7	40	103	<2	7	0.53	<4	3	28	13	2.25	0.50	9	0.75	155	25	0.05	39	<100	<1	<5	7	0.01	13	23	769	<2	41	<10	7	25
688	E1314050	0.249	<1	2.15	10	36	334	<2	24	4.05	<4	20	101	543	4.17	1.58	20	2.00	721	10	0.06	35	862	4	<5	<5	0.03	13	133	1857	2	117	<10	11	59
689D	E1314050	0.218	<1	2.24	10	41	346	<2	16	4.25	<4	21	107	567	4.34	1.66	21	2.08	753	13	0.06	39	899	6	<5	<5	0.03	17	143	1911	8	121	<10	12	61
690	E1314051	0.006	<1	2.66	8	35	451	<2	18	4.28	<4	28	159	68	4.96	2.10	25	2.52	810	8	0.06	41	1251	3	<5	<5	0.03	<10	158	2461	7	152	<10	12	71
691	E1314052	0.513	<1	0.65	10	41	50	<2	13	0.43	<4	2	22	295	1.80	0.27	5	0.42	102	12	0.08	33	209	7	<5	<5	0.01	10	15	334	3	20	<10	7	16
692	E1314053	1.465	<1	0.79	10	37	66	<2	13	0.45	<4	2	37	123	1.99	0.38	8	0.51	113	17	0.06	33	137	3	<5	<5	0.01	<10	11	489	3	27	<10	7	16
693	E1314054	0.094	<1	0.38	4	14	18	<2	8	0.19	<4	<1	9	21	0.97	0.19	3	0.22	<100	9	0.03	14	143	<1	<5	<5	<0.01	<10	5	185	4	10	<10	5	7
694	E1314055	0.101	<1	0.47	7	35	14	<2	11	0.47	<4	<1	28	44	1.18	0.14	4	0.27	<100	7	0.08	45	144	5	<5	<5	<0.01	<10	13	180	7	10	<10	9	9

PROCEDURE CODES: ALP2, ALFA1, ALAR1

 Certified By:  Jason Moore, General Manager

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Tuesday, February 5, 2013

## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535

 Date Received: 01/15/2013  
 Date Completed: 01/30/2013  
 Job #: 201310007  
 Reference: E sample series  
 Sample #: 197

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
695	E1314056	<0.005	<1	0.87	10	44	26	<2	9	1.01	<4	25	16	110	4.83	0.41	6	0.50	300	10	0.08	33	1077	9	<5	<5	0.01	<10	16	1861	2	154	<10	10	38
696	E1314057	1.912	<1	1.09	10	39	43	<2	11	0.43	<4	4	25	67	2.66	0.72	12	0.63	136	8	0.07	35	548	<1	<5	<5	0.02	11	7	857	6	34	<10	13	19
697	E1314058	0.702	<1	0.90	6	37	29	<2	12	0.46	<4	2	42	32	2.30	0.49	10	0.53	129	11	0.07	56	344	5	<5	<5	0.01	<10	9	582	<2	23	<10	8	18
698	E1314059	1.901	<1	0.84	7	35	22	<2	10	0.49	<4	2	22	315	2.15	0.31	9	0.51	119	6	0.06	28	294	2	<5	<5	0.01	<10	9	360	3	21	<10	8	20
699	E1314060	0.363	<1	0.96	3	38	39	<2	8	0.56	<4	3	23	77	2.21	0.57	10	0.56	122	6	0.06	28	457	2	<5	<5	0.01	11	8	556	4	26	<10	14	19
700R	E1314060	0.368	<1	1.01	8	41	40	<2	9	0.61	<4	4	31	81	2.36	0.61	11	0.59	132	9	0.07	46	554	2	<5	<5	0.01	11	8	627	<2	28	<10	17	21
701	E1314061	0.167	<1	0.43	8	38	17	<2	5	0.51	<4	<1	21	74	1.33	0.15	3	0.19	<100	6	0.06	30	125	6	<5	<5	<0.01	<10	7	164	3	4	<10	9	40
702	E1314062	0.253	<1	0.54	9	37	18	<2	6	0.59	<4	<1	22	86	1.53	0.20	5	0.27	<100	6	0.07	32	178	5	<5	<5	<0.01	<10	7	189	<2	7	<10	8	24
703	E1314063	0.585	<1	1.35	7	40	57	<2	13	0.72	<4	4	33	802	4.09	0.73	15	0.75	167	11	0.05	56	486	3	<5	<5	0.02	<10	8	883	<2	40	<10	10	41
704	E1314064	0.564	<1	1.34	7	38	63	<2	13	0.89	<4	4	33	823	3.48	0.64	13	0.74	201	9	0.06	30	611	1	<5	<5	0.02	10	11	816	3	36	<10	18	31
705	E1314065	0.105	<1	0.70	7	40	15	<2	5	0.59	<4	1	23	221	1.90	0.13	6	0.40	113	6	0.06	26	225	2	<5	<5	0.01	<10	9	207	2	15	<10	12	17
706	E1314066	1.189	<1	0.97	9	38	27	<2	19	0.66	<4	4	23	1021	2.72	0.28	9	0.59	149	14	0.06	34	369	3	<5	<5	0.01	<10	9	383	3	27	<10	15	23
707	E1314067	1.205	<1	0.89	5	37	31	<2	16	0.53	<4	2	26	45	2.33	0.34	10	0.55	141	29	0.07	42	334	4	<5	<5	0.02	<10	7	589	3	25	<10	11	21
708	E1314068	0.299	<1	1.03	10	43	51	<2	14	0.52	<4	4	23	38	2.64	0.59	12	0.61	144	43	0.07	41	450	6	<5	<5	0.02	<10	9	729	3	31	<10	13	23
709	E1314069	1.026	<1	0.44	314	33	76	<2	16	0.62	<4	26	29	51	4.43	0.05	3	1.86	827	11	0.10	107	1236	7	<5	9	0.01	<10	27	704	7	24	<10	11	58
710	E1314070	0.990	1	0.88	8	35	29	<2	22	0.47	<4	4	34	7974	3.06	0.28	9	0.56	144	21	0.06	59	203	<1	<5	<5	0.01	11	8	376	<2	22	<10	7	27
711D	E1314070	1.003	2	0.87	5	32	29	<2	13	0.47	<4	5	32	7520	3.00	0.28	9	0.55	139	22	0.06	54	194	6	<5	<5	0.01	<10	7	365	3	22	<10	7	27
712	E1314071	1.768	2	1.45	8	34	73	<2	11	0.81	<4	9	24	3075	3.99	0.84	19	1.03	222	26	0.05	35	107	2	<5	<5	0.02	<10	11	903	3	49	<10	6	41
713	E1314072	8.592	<1	1.26	9	42	75	<2	14	0.99	<4	6	46	73	3.01	0.67	14	0.94	244	130	0.06	32	483	2	<5	<5	0.02	<10	10	1023	7	46	<10	13	32
714	E1314073	0.100	<1	1.04	9	39	12	<2	9	0.90	<4	7	39	50	3.57	0.08	7	0.95	229	49	0.06	52	683	2	<5	<5	0.02	<10	13	922	<2	43	<10	13	30

PROCEDURE CODES: ALP2, ALFA1, ALAR1

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Date Received: 01/15/2013

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Job #: 201310007

Reference: E sample series

Sample #: 197

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
715	E1314074	0.012	<1	3.34	3	43	115	<2	15	5.79	<4	32	437	50	5.48	1.22	45	3.77	1063	4	0.03	71	719	1	<5	<5	0.02	<10	110	1335	8	152	<10	8	70
716	E1314075	0.020	<1	3.04	9	34	11	<2	17	5.24	<4	26	335	101	5.47	0.12	59	3.36	883	9	0.02	54	801	10	7	<5	0.03	<10	98	347	11	153	<10	9	70
717	E1314076	0.110	<1	0.51	12	38	10	<2	13	0.80	<4	<1	23	83	1.57	0.06	4	0.26	123	6	0.06	27	138	3	<5	<5	0.01	<10	12	<100	2	9	<10	9	11
718	E1314077	0.169	<1	0.48	7	31	13	<2	8	0.76	<4	2	25	170	1.79	0.10	3	0.16	110	7	0.06	37	152	6	<5	<5	<0.01	<10	9	<100	2	7	<10	9	10
719	E1314078	0.110	<1	0.40	8	35	17	<2	14	0.78	<4	<1	24	76	1.27	0.14	2	0.10	108	7	0.06	35	135	10	<5	7	<0.01	<10	10	106	<2	3	<10	9	10
720	E1314079	0.188	<1	0.36	9	35	11	<2	5	0.80	<4	<1	27	263	1.36	0.10	2	0.10	109	7	0.07	45	147	12	<5	<5	<0.01	<10	10	121	6	4	<10	10	25
721	E1314080	0.179	<1	0.40	10	31	9	<2	12	0.84	<4	1	23	157	1.59	0.09	2	0.12	111	7	0.06	38	136	4	<5	<5	<0.01	<10	9	120	<2	6	<10	10	6
722D	E1314080	0.241	<1	0.41	9	36	9	<2	11	0.87	<4	<1	23	162	1.62	0.09	2	0.12	114	7	0.06	33	145	6	<5	<5	<0.01	<10	9	114	2	6	<10	10	6
723	E1314081	0.139	<1	0.44	7	38	11	<2	7	0.55	<4	<1	20	108	1.61	0.10	3	0.15	<100	6	0.06	31	135	5	<5	<5	<0.01	<10	9	121	<2	5	<10	12	10
724	E1314082	0.005	<1	0.89	9	38	21	<2	13	1.11	<4	23	11	102	4.72	0.23	8	0.59	295	10	0.07	24	1105	13	<5	7	0.01	<10	15	1897	<2	135	<10	10	48
725	E1314083	2.107	<1	0.89	5	38	26	<2	11	0.64	<4	3	18	273	2.16	0.39	5	0.41	128	6	0.10	23	311	5	<5	<5	0.01	<10	11	454	2	22	<10	14	20
726	E1314084	0.020	<1	0.78	10	36	34	<2	12	0.83	<4	<1	30	73	1.53	0.49	6	0.31	147	9	0.08	47	234	2	<5	<5	<0.01	<10	9	345	<2	7	<10	8	17
727	E1314085	0.108	<1	0.94	7	42	40	<2	6	0.78	<4	<1	20	237	1.76	0.49	7	0.35	158	6	0.06	29	237	<1	<5	<5	0.01	<10	10	228	6	9	<10	7	20
728	E1314086	0.169	<1	1.02	8	31	36	<2	18	0.90	<4	<1	32	172	2.12	0.38	8	0.43	196	10	0.04	46	448	4	<5	<5	0.01	<10	13	130	<2	11	<10	12	24
729	E1314087	0.218	<1	0.93	6	27	51	<2	6	0.77	<4	3	39	125	2.23	0.59	6	0.35	181	11	0.06	63	334	4	<5	<5	<0.01	<10	14	398	<2	13	<10	8	19
730	E1314088	1.748	<1	1.10	10	32	73	<2	18	1.11	<4	6	50	1376	3.03	0.62	8	0.50	249	17	0.08	86	342	6	<5	<5	0.01	<10	19	541	<2	22	<10	10	43
731	E1314089	0.237	<1	0.67	8	28	98	<2	10	0.70	<4	1	27	279	0.95	0.42	4	0.12	<100	6	0.02	38	184	2	<5	<5	0.01	<10	13	<100	<2	5	<10	10	4
732	E1314090	0.149	<1	0.59	8	26	122	<2	5	0.08	<4	<1	21	184	1.07	0.40	3	0.07	<100	6	0.02	33	120	3	<5	<5	<0.01	<10	5	<100	<2	2	<10	11	3
733D	E1314090	0.177	<1	0.58	5	21	120	<2	7	0.08	<4	1	21	183	1.07	0.39	3	0.06	<100	6	0.02	34	123	<1	<5	<5	<0.01	<10	5	<100	4	2	<10	10	5
734	E1314091	0.104	<1	1.29	7	33	114	<2	10	1.80	<4	9	124	102	2.59	0.60	14	1.03	298	11	0.06	50	472	3	<5	<5	0.01	<10	40	748	3	44	<10	13	30

PROCEDURE CODES: ALP2, ALFA1, ALAR1

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735	E1314092	0.110	<1	1.12	7	31	36	<2	15	2.06	<4	10	131	106	2.68	0.16	11	1.14	364	9	0.08	52	439	2	<5	<5	0.02	<10	46	665	6	42	<10	15	35
736	E1314093	0.168	<1	1.07	9	29	57	<2	24	1.22	<4	7	118	192	3.15	0.18	6	0.68	259	11	0.07	43	252	2	<5	<5	0.01	<10	23	511	8	11	<10	19	32
737	E1314094	2.303	<1	0.58	697	39	136	<2	15	0.82	<4	22	33	85	5.66	0.06	4	1.79	1346	13	0.11	103	1365	12	<5	9	0.02	<10	35	830	3	30	<10	11	70
738	E1314095	0.007	<1	0.41	7	32	64	<2	10	0.91	<4	3	44	387	1.63	0.18	2	0.12	<100	12	0.11	75	147	2	<5	<5	<0.01	<10	17	367	3	7	<10	18	5
739	E1314096	0.088	<1	0.40	11	34	68	<2	14	1.37	<4	4	38	152	1.32	0.19	2	0.13	118	10	0.10	60	147	<1	<5	7	<0.01	<10	26	360	8	7	<10	16	5
740	E1314097	0.009	<1	2.44	11	28	105	<2	7	2.48	<4	18	11	2	5.83	0.29	11	1.89	627	10	0.03	16	1808	3	<5	<5	0.02	<10	50	2124	<2	100	<10	19	79
741	E1314098	0.006	<1	1.84	10	38	83	<2	17	3.00	<4	13	11	6	4.27	0.23	12	1.47	661	9	0.06	14	2007	2	6	6	0.02	<10	87	1496	6	73	<10	15	59
742	E1314099	0.013	<1	0.92	6	28	117	<2	9	1.98	<4	4	12	7	1.60	0.38	5	0.50	326	5	0.05	23	495	<1	<5	<5	0.01	<10	60	127	3	15	<10	7	18
743	E1314100	<0.005	<1	0.88	9	26	102	<2	5	2.35	<4	6	10	18	1.50	0.37	5	0.48	320	4	0.04	20	414	4	<5	<5	0.01	<10	65	126	3	13	<10	5	21
744D	E1314100	<0.005	<1	0.87	9	27	100	<2	7	2.34	<4	5	10	17	1.49	0.37	5	0.47	319	4	0.04	20	404	5	<5	<5	0.01	<10	64	121	<2	13	<10	5	20
745	E1314101	0.187	<1	0.39	9	32	41	<2	9	0.98	<4	2	26	167	1.50	0.15	2	0.12	131	7	0.09	41	139	4	5	<5	<0.01	<10	25	219	2	5	<10	26	9
746	E1314102	0.072	<1	0.39	11	35	62	<2	9	0.75	<4	<1	36	196	1.63	0.22	2	0.09	113	10	0.10	62	145	5	<5	<5	<0.01	<10	20	239	<2	5	<10	22	12
747	E1314103	0.087	<1	0.39	11	30	49	<2	14	0.58	<4	3	38	178	1.67	0.20	2	0.09	<100	11	0.10	67	124	5	<5	<5	<0.01	<10	13	398	<2	5	<10	19	13
748	E1314104	0.587	<1	0.37	11	29	50	<2	6	0.60	<4	1	34	869	1.59	0.22	2	0.09	104	9	0.09	57	133	4	<5	<5	<0.01	<10	15	253	5	5	<10	14	15
749	E1314105	0.734	<1	0.73	10	37	64	<2	10	0.61	<4	4	45	933	1.91	0.48	6	0.29	157	19	0.10	76	240	2	<5	<5	0.01	<10	16	451	<2	15	<10	13	28
750	E1314106	1.163	1	0.55	8	31	53	<2	9	0.51	<4	4	33	1923	1.72	0.31	4	0.20	107	9	0.09	56	234	5	<5	<5	<0.01	<10	13	307	<2	12	<10	11	36
751	E1314107	<0.005	<1	1.03	9	39	35	<2	7	0.98	<4	27	17	125	5.00	0.39	8	0.52	295	10	0.12	33	1168	17	<5	<5	0.01	<10	24	2335	<2	163	<10	11	44
752	E1314108	0.268	<1	0.37	10	29	55	<2	13	0.61	<4	3	31	744	1.53	0.20	2	0.08	<100	9	0.10	49	136	4	<5	<5	<0.01	<10	19	223	<2	5	<10	16	16
753	E1314109	0.927	<1	0.77	13	35	61	<2	13	1.06	<4	7	49	1515	2.24	0.42	6	0.54	182	9	0.08	44	368	<1	5	<5	<0.01	<10	34	553	3	28	<10	18	35
754	E1314110	0.128	<1	0.38	12	38	49	<2	12	0.67	<4	3	35	594	1.67	0.20	2	0.09	110	9	0.10	59	144	6	6	<5	<0.01	<10	14	322	<2	5	<10	23	18

PROCEDURE CODES: ALP2, ALFA1, ALAR1

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## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535

 Date Received: 01/15/2013  
 Date Completed: 01/30/2013  
 Job #: 201310007  
 Reference: E sample series  
 Sample #: 197

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
755D	E1314110	0.120	<1	0.36	10	31	47	<2	16	0.65	<4	2	31	572	1.60	0.19	2	0.09	104	8	0.10	51	132	3	<5	<5	<0.01	<10	12	303	<2	4	<10	22	18
756	E1314111	0.610	<1	0.40	11	32	44	<2	5	0.60	<4	3	32	1440	1.71	0.18	2	0.09	105	10	0.10	54	172	5	<5	9	<0.01	<10	11	301	<2	4	<10	26	24
757	E1314112	0.901	<1	0.46	13	29	45	<2	11	0.52	<4	5	27	2243	2.92	0.21	2	0.13	113	9	0.08	42	157	7	<5	6	<0.01	<10	10	419	<2	6	<10	25	30
758	E1314113	0.399	<1	0.39	9	33	45	<2	9	0.59	<4	2	27	1113	1.76	0.19	2	0.09	107	8	0.09	41	141	4	<5	<5	<0.01	<10	11	283	<2	4	<10	23	26
759	E1314114	0.584	<1	0.34	12	33	44	<2	15	0.57	<4	3	15	1134	1.57	0.21	2	0.10	105	6	0.06	23	147	7	<5	<5	<0.01	<10	10	307	<2	4	<10	19	26
760	E1314115	0.512	<1	0.33	8	35	39	<2	9	0.62	<4	2	17	191	1.65	0.17	1	0.09	111	5	0.07	26	142	6	<5	<5	<0.01	<10	13	325	4	3	<10	22	14
761	E1314116	0.197	<1	0.35	14	34	35	<2	7	0.72	<4	1	22	114	1.64	0.12	2	0.13	123	6	0.08	37	139	3	<5	<5	<0.01	<10	20	268	2	6	<10	21	14
762	E1314117	0.031	<1	2.58	11	36	289	<2	12	2.86	<4	18	159	47	4.74	2.24	32	1.94	604	13	0.06	52	1112	<1	<5	<5	0.03	11	84	2130	8	98	<10	21	62
763	E1314118	0.266	<1	0.55	13	31	61	<2	15	1.54	<4	34	29	235	2.21	0.29	4	0.32	247	10	0.07	35	165	3	<5	<5	<0.01	<10	40	490	<2	11	<10	21	14
764	E1314119	0.193	<1	0.79	15	32	76	<2	13	1.37	<4	8	41	251	2.19	0.50	7	0.50	247	7	0.07	28	280	6	<5	7	<0.01	<10	32	676	<2	23	<10	18	22
765	E1314120	1.510	2	1.21	11	46	59	<2	23	1.48	4	17	38	12166	5.69	0.21	16	1.08	352	500	0.09	15	778	18	<5	<5	<0.01	11	80	1262	3	109	<10	8	71
766R	E1314120	IS																																	
767	E1314121	0.122	<1	0.36	10	33	48	<2	13	0.68	<4	3	21	56	1.80	0.19	2	0.10	125	7	0.09	30	116	3	<5	<5	<0.01	<10	15	298	<2	4	<10	18	36
768	E1314122	0.120	<1	0.57	15	40	50	<2	11	0.60	<4	11	29	223	5.53	0.19	3	0.20	165	54	0.07	45	234	8	<5	<5	<0.01	<10	12	337	2	9	<10	26	35
769	E1314123	0.083	<1	0.39	10	28	53	<2	17	0.69	<4	10	30	77	2.51	0.17	2	0.12	131	36	0.07	41	370	3	<5	<5	<0.01	<10	15	238	<2	5	<10	25	16
770	E1314124	0.028	<1	0.37	13	38	38	<2	9	0.76	<4	3	20	52	1.47	0.13	2	0.13	118	13	0.08	27	152	6	<5	<5	<0.01	<10	21	349	2	4	<10	27	10
771	E1314125	0.111	<1	1.69	8	36	217	<2	12	2.58	<4	9	125	123	3.58	1.46	19	1.19	519	10	0.06	56	812	3	<5	5	0.02	<10	68	1647	2	54	<10	13	45
772	E1314126	0.037	<1	0.73	11	35	83	<2	10	1.11	<4	2	45	19	1.78	0.43	6	0.41	211	6	0.07	32	217	5	<5	<5	<0.01	<10	36	553	<2	12	<10	15	17
773	E1314127	0.017	<1	1.66	12	34	173	<2	14	2.23	<4	15	168	28	2.82	1.44	17	1.47	431	7	0.07	55	687	5	<5	<5	0.02	<10	60	1438	2	52	<10	10	50
774	E1314128	0.032	<1	0.41	12	34	56	<2	18	0.89	<4	3	28	45	1.38	0.25	3	0.17	146	6	0.07	32	149	4	<5	<5	<0.01	<10	22	293	2	6	<10	12	10

PROCEDURE CODES: ALP2, ALFA1, ALAR1

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775	E1314129	0.081	<1	0.33	12	27	55	<2	11	0.77	<4	<1	23	54	1.38	0.22	2	0.07	128	6	0.07	33	132	7	<5	<5	<0.01	<10	14	195	<2	3	<10	12	13
776	E1314130	0.043	<1	0.35	13	32	49	<2	16	0.71	<4	1	23	28	1.47	0.22	2	0.09	120	6	0.07	32	139	6	<5	<5	<0.01	<10	13	348	4	4	<10	16	13
777D	E1314130	0.027	<1	0.34	15	31	48	<2	16	0.72	<4	<1	19	29	1.40	0.22	2	0.09	120	6	0.07	29	138	11	<5	<5	<0.01	<10	13	301	<2	4	<10	15	14
778	E1314131	0.057	<1	0.36	15	28	48	<2	11	0.71	<4	3	25	15	1.56	0.21	2	0.09	132	7	0.08	39	132	6	<5	<5	<0.01	<10	11	382	<2	4	<10	17	10
779	E1314132	0.040	<1	0.38	12	34	49	<2	9	0.66	<4	1	23	47	1.46	0.21	2	0.09	116	7	0.08	32	130	11	<5	<5	<0.01	<10	13	387	2	4	<10	16	11
780	E1314133	<0.005	<1	1.01	6	42	28	<2	3	0.90	<4	25	12	112	5.07	0.32	8	0.59	417	11	0.12	28	1091	11	<5	<5	0.01	<10	17	2727	<2	152	<10	10	60
781	E1314134	0.042	<1	0.41	12	37	52	<2	12	0.81	<4	2	21	115	1.41	0.18	3	0.09	127	7	0.08	29	147	4	<5	<5	<0.01	<10	18	213	3	4	<10	12	11
782	E1314135	0.136	<1	0.40	13	36	56	<2	9	0.92	<4	3	21	74	1.56	0.23	2	0.08	140	6	0.07	29	147	10	<5	<5	<0.01	<10	17	220	2	4	<10	16	13
783	E1314136	0.030	<1	0.39	13	34	63	<2	8	1.23	<4	1	20	132	1.32	0.25	2	0.05	206	6	0.06	31	142	10	6	7	<0.01	<10	22	125	6	3	<10	17	12
784	E1314137	0.030	<1	0.57	12	24	119	<2	13	1.21	<4	3	32	76	1.40	0.45	2	0.06	214	9	0.04	50	146	3	<5	<5	<0.01	<10	23	<100	5	4	<10	12	11
785	E1314138	<0.005	<1	2.67	14	36	20	<2	17	3.26	4	17	317	18	5.79	0.13	33	2.77	813	10	0.03	89	1146	5	<5	5	0.02	<10	53	2800	<2	101	<10	14	138
786	E1314139	0.018	<1	0.50	12	34	37	<2	12	1.11	<4	3	35	30	1.52	0.11	3	0.23	174	8	0.11	44	161	6	<5	<5	<0.01	<10	25	462	<2	8	<10	24	13
787	E1314140	0.053	<1	2.11	18	28	138	<2	18	3.51	<4	17	199	57	3.44	1.54	26	1.92	643	7	0.04	59	714	7	<5	<5	0.02	<10	74	1203	<2	76	<10	15	81
788D	E1314140	0.022	<1	1.91	14	27	122	<2	6	3.46	<4	13	184	55	3.17	1.37	24	1.74	622	8	0.04	59	727	3	<5	9	0.01	<10	72	1073	7	70	<10	15	77
789	E1314141	0.028	<1	0.63	11	26	92	<2	11	1.31	<4	<1	20	43	1.47	0.38	5	0.20	255	6	0.05	29	143	2	<5	<5	<0.01	<10	28	101	<2	3	<10	12	21
790	E1314142	0.023	<1	0.53	15	25	83	<2	19	1.11	<4	1	20	112	1.44	0.34	3	0.07	197	5	0.05	31	133	4	<5	8	<0.01	<10	19	<100	<2	3	<10	15	17
791	E1314143	0.079	<1	0.61	13	31	84	<2	7	1.02	<4	4	32	139	1.74	0.34	5	0.09	190	8	0.07	50	135	3	<5	5	<0.01	<10	16	106	7	4	<10	14	10
792	E1314144	0.025	<1	0.54	12	36	55	<2	16	1.12	<4	2	28	22	1.81	0.19	4	0.15	189	9	0.09	41	143	3	<5	<5	<0.01	<10	16	228	<2	4	<10	21	12
793	E1314145	0.053	<1	2.22	12	33	107	<2	11	3.41	4	23	13	14	5.35	0.66	22	1.75	732	11	0.05	15	1827	6	<5	7	<0.01	<10	53	2876	6	126	<10	22	90
794	E1314146	0.208	<1	1.36	21	37	309	<2	6	0.96	<4	13	70	2210	3.16	0.86	27	0.95	318	50	0.10	29	762	9	<5	<5	0.01	<10	37	2532	2	86	<10	13	57

PROCEDURE CODES: ALP2, ALFA1, ALAR1

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795	E1314147	<0.005	<1	2.76	14	40	335	<2	13	3.65	4	26	10	6	5.78	2.00	29	2.02	915	10	0.07	10	2050	5	<5	<5	0.03	<10	80	3561	2	161	<10	17	134
796	E1314148	0.957	<1	0.57	16	29	53	<2	5	1.47	<4	6	26	80	1.86	0.18	4	0.31	252	9	0.10	44	265	7	<5	<5	<0.01	<10	29	678	3	17	<10	18	22
797	E1314149	0.281	<1	0.66	13	31	66	<2	11	1.38	<4	6	36	212	2.13	0.16	4	0.29	252	12	0.11	56	350	5	<5	<5	<0.01	<10	27	525	<2	14	<10	28	19
798	E1314150	0.030	<1	0.51	10	32	57	<2	6	0.81	<4	5	51	69	1.85	0.12	3	0.14	160	15	0.14	86	141	5	<5	<5	<0.01	<10	17	340	<2	8	<10	18	16
799D	E1314150	0.014	<1	0.52	11	30	57	<2	16	0.84	<4	7	50	71	1.90	0.12	3	0.14	165	15	0.14	82	154	4	<5	<5	<0.01	<10	17	352	2	7	<10	18	17
800	E1314151	0.031	<1	0.40	13	32	74	<2	6	0.54	<4	2	37	35	1.66	0.16	2	0.10	117	11	0.12	61	109	3	<5	7	<0.01	<10	17	274	2	4	<10	12	15
801	E1314152	0.035	<1	0.40	11	29	96	<2	19	0.61	<4	3	38	50	1.53	0.20	2	0.09	119	10	0.12	61	104	6	<5	<5	<0.01	<10	18	255	<2	5	<10	11	18
802	E1314153	0.371	<1	0.41	7	27	71	<2	7	0.79	<4	1	46	30	1.55	0.16	2	0.08	134	12	0.12	77	106	3	<5	<5	<0.01	<10	14	174	5	5	<10	15	13
803	E1314154	0.176	<1	0.84	23	30	93	<2	12	1.10	<4	2	24	98	1.43	0.57	5	0.27	212	8	0.04	33	<100	7	<5	<5	<0.01	<10	14	224	2	2	<10	10	46
804	E1314155	1.357	<1	1.40	2787	34	92	<2	9	3.14	21	13	28	192	3.79	0.85	12	0.90	814	10	0.03	37	297	33	6	<5	<0.01	<10	18	684	6	21	43	16	2903
805	E1314156	0.232	<1	1.72	27	38	147	<2	8	1.96	<4	6	53	329	3.00	1.31	22	1.05	391	8	0.09	44	343	7	<5	<5	0.01	<10	14	1586	3	52	<10	22	131
806	E1314157	0.175	<1	1.79	12	40	150	<2	13	1.60	<4	8	67	550	3.33	1.21	26	1.09	277	10	0.12	63	367	6	<5	<5	0.02	<10	16	1488	3	60	<10	17	68
807	E1314158	0.392	<1	1.40	6	29	62	<2	13	1.06	<4	7	57	394	2.69	0.55	11	0.90	189	10	0.19	60	343	2	<5	<5	0.02	11	15	1033	4	46	<10	15	27
808	E1314159	0.723	<1	1.20	8	36	48	<2	17	1.23	<4	5	56	254	2.03	0.43	10	0.87	197	8	0.18	59	372	<1	<5	5	0.02	11	17	1116	<2	40	<10	12	21
809	E1314160	0.005	<1	1.01	12	35	35	<2	16	0.93	<4	26	16	118	4.95	0.46	7	0.50	288	10	0.11	34	1162	7	<5	<5	0.01	<10	22	2218	2	165	<10	11	42
810D	E1314160	IS																																	
811	E1314161	0.391	<1	1.40	7	32	97	<2	8	1.72	<4	7	52	186	2.54	0.78	19	0.98	258	9	0.12	50	354	2	<5	<5	0.02	<10	21	1418	2	49	<10	14	28
812	E1314162	0.159	<1	0.58	15	35	59	<2	7	0.70	<4	4	38	153	1.33	0.28	5	0.19	115	9	0.12	61	160	5	<5	<5	<0.01	<10	8	476	<2	12	<10	27	12
813	E1314163	0.081	<1	0.48	9	33	55	<2	10	0.85	<4	<1	34	134	1.45	0.19	3	0.13	112	9	0.11	52	157	3	<5	<5	<0.01	<10	10	285	6	6	<10	28	8
814	E1314164	0.083	<1	0.39	8	26	54	<2	17	0.71	<4	2	33	84	1.19	0.19	3	0.08	<100	9	0.10	49	131	<1	<5	<5	<0.01	<10	7	198	<2	4	<10	15	7

PROCEDURE CODES: ALP2, ALFA1, ALAR1

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 Reference: E sample series  
 Sample #: 197

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
815	E1314165	0.477	<1	0.49	12	35	48	<2	5	0.58	<4	3	35	251	1.58	0.22	6	0.14	<100	9	0.11	58	107	3	<5	<5	<0.01	<10	6	216	<2	7	<10	10	9
816	E1314166	0.418	<1	0.42	10	35	64	<2	12	0.55	<4	2	30	41	1.87	0.23	4	0.13	<100	8	0.10	42	146	4	<5	<5	<0.01	<10	7	377	<2	5	<10	12	18
817	E1314167	0.067	<1	0.50	9	35	53	<2	7	1.02	<4	3	27	87	1.74	0.18	6	0.18	113	8	0.10	43	144	<1	<5	<5	<0.01	<10	7	273	<2	5	<10	15	9
818	E1314168	0.035	<1	0.70	13	35	38	<2	16	1.14	<4	5	51	65	2.06	0.21	7	0.45	207	7	0.05	34	250	4	<5	<5	<0.01	<10	13	632	<2	16	<10	13	19
819	E1314169	0.180	<1	0.41	14	32	30	<2	9	0.55	<4	3	27	91	1.70	0.13	3	0.12	104	7	0.07	38	173	3	<5	<5	<0.01	<10	6	355	4	4	<10	17	11
820	E1314170	<0.005	<1	0.35	11	31	42	<2	4	0.61	<4	1	27	13	1.76	0.19	3	0.10	102	7	0.07	33	142	6	<5	7	<0.01	<10	7	434	<2	4	<10	20	12
821D	E1314170	0.005	<1	0.37	12	29	44	<2	8	0.62	<4	1	48	14	1.89	0.20	3	0.10	114	12	0.08	75	143	3	<5	<5	<0.01	<10	7	419	<2	5	<10	20	12
822	E1314171	0.026	<1	0.38	14	30	43	<2	7	0.67	<4	3	19	62	1.53	0.24	3	0.10	110	5	0.06	25	149	3	<5	<5	<0.01	<10	7	415	<2	3	<10	18	19
823	E1314172	0.030	<1	0.42	10	34	52	<2	12	0.67	<4	5	34	203	1.94	0.27	3	0.09	134	9	0.06	56	145	52	<5	<5	<0.01	<10	7	315	<2	4	<10	20	72
824	E1314173	1.124	<1	0.44	300	26	77	<2	10	0.61	<4	23	28	49	4.33	0.05	3	1.82	811	10	0.10	103	1199	6	<5	<5	0.01	<10	28	743	3	23	<10	11	57
825	E1314174	0.035	<1	0.45	15	31	44	<2	9	0.65	<4	2	37	91	1.83	0.22	5	0.14	125	10	0.07	64	150	18	<5	<5	<0.01	<10	7	440	4	5	<10	17	37
826	E1314175	0.537	<1	0.38	14	29	42	<2	10	0.72	<4	3	28	165	1.33	0.20	3	0.10	<100	7	0.06	40	134	50	<5	<5	<0.01	<10	6	264	<2	3	<10	17	70
827	E1314176	0.013	<1	0.42	16	35	44	<2	15	0.54	<4	3	27	57	1.53	0.20	4	0.13	101	7	0.06	34	138	12	<5	<5	<0.01	<10	7	531	<2	4	<10	17	19
828	E1314177	0.015	<1	0.45	13	32	52	<2	12	0.57	<4	2	31	19	1.82	0.26	4	0.13	111	9	0.08	46	153	5	<5	<5	<0.01	<10	8	697	3	5	<10	25	13
829	E1314178	0.024	<1	0.40	14	37	50	<2	9	0.66	<4	1	30	39	1.69	0.25	4	0.11	106	8	0.07	43	135	4	<5	7	<0.01	<10	7	575	<2	5	<10	29	11
830	E1314179	0.056	<1	0.38	14	36	54	<2	3	0.65	<4	1	22	34	1.72	0.26	3	0.10	105	6	0.07	27	140	4	<5	<5	<0.01	<10	7	504	3	4	<10	23	15
831	E1314180	0.021	<1	0.36	14	33	51	<2	6	0.78	<4	2	30	64	1.52	0.20	3	0.09	121	8	0.07	47	140	4	<5	<5	<0.01	<10	8	318	<2	4	<10	19	10
832R	E1314180	0.011	<1	0.34	13	32	47	<2	9	0.79	<4	<1	17	63	1.42	0.19	3	0.09	114	5	0.06	22	138	3	<5	<5	<0.01	<10	8	301	3	3	<10	18	11
833	E1314181	0.010	<1	0.27	16	29	39	<2	6	0.59	<4	2	20	44	1.52	0.17	2	0.08	<100	6	0.05	30	134	4	<5	<5	<0.01	<10	9	324	<2	4	<10	17	38
834	E1314182	0.006	<1	1.82	9	33	184	<2	15	2.56	<4	13	68	21	4.19	1.61	27	1.15	513	10	0.04	30	624	<1	<5	<5	0.02	<10	35	1758	5	74	<10	18	81

PROCEDURE CODES: ALP2, ALFA1, ALAR1

 Certified By:  Jason Moore, General Manager

The results included on this report relate only to the items tested.  
 The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.

Tuesday, February 5, 2013


## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535

 Date Received: 01/15/2013  
 Date Completed: 01/30/2013  
 Job #: 201310007  
 Reference: E sample series  
 Sample #: 197

Acc #	Client ID	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
835	E1314183	0.007	<1	0.30	9	29	43	<2	8	0.73	<4	1	18	21	1.31	0.18	3	0.12	109	5	0.06	24	140	3	<5	<5	<0.01	<10	12	354	<2	4	<10	16	20
836	E1314184	0.033	<1	0.26	13	32	38	<2	4	0.62	<4	5	25	48	1.69	0.16	2	0.09	103	7	0.06	41	113	6	<5	<5	<0.01	<10	12	264	<2	4	<10	13	10
837	E1314185	0.010	<1	1.26	10	32	116	<2	7	1.54	<4	10	107	26	2.78	1.12	17	1.06	350	8	0.05	52	645	<1	<5	<5	<0.01	<10	29	1559	10	49	<10	15	49
838	E1314186	<0.005	<1	0.90	9	37	29	<2	10	1.05	<4	26	20	116	5.00	0.42	7	0.56	277	11	0.08	40	1225	13	<5	7	<0.01	<10	18	1601	<2	157	<10	11	47
839	E1314187	<0.005	<1	0.29	7	28	28	<2	13	1.02	<4	3	25	16	1.27	0.10	2	0.13	163	7	0.05	43	118	2	<5	<5	<0.01	<10	15	334	<2	6	<10	16	14
840	E1314188	0.011	<1	0.25	11	21	47	<2	15	1.87	<4	<1	16	10	1.05	0.15	2	0.08	189	5	0.04	26	129	3	<5	<5	<0.01	<10	16	125	<2	4	<10	25	9
841	E1314189	0.011	<1	0.94	11	28	81	<2	12	1.89	<4	7	81	43	2.42	0.71	13	0.71	302	9	0.04	47	459	<1	<5	<5	<0.01	<10	26	951	7	33	<10	24	36
842	E1314190	0.009	<1	0.34	15	35	30	<2	11	0.64	<4	2	18	50	1.67	0.13	2	0.13	124	6	0.06	23	159	5	<5	<5	<0.01	<10	12	457	2	5	<10	23	17
843D	E1314190	0.034	<1	0.31	11	28	27	<2	11	0.59	<4	2	15	47	1.53	0.11	2	0.12	114	4	0.05	23	149	3	<5	<5	<0.01	<10	11	406	<2	4	<10	21	15
844	E1314191	<0.005	<1	0.32	13	29	24	<2	11	0.66	<4	6	16	48	1.52	0.09	2	0.11	127	6	0.05	25	140	5	<5	<5	<0.01	<10	10	311	6	4	<10	18	23
845	E1314192	0.006	<1	0.36	9	29	30	<2	15	0.40	<4	3	20	16	1.67	0.13	3	0.12	125	6	0.06	28	145	7	<5	<5	<0.01	<10	10	615	<2	4	<10	19	16
846	E1314193	<0.005	<1	0.36	7	33	35	<2	9	0.64	<4	2	18	11	1.38	0.14	3	0.12	135	5	0.06	25	144	3	<5	<5	<0.01	<10	14	562	<2	3	<10	26	10
847	E1314194	<0.005	<1	0.37	9	33	27	<2	8	0.55	<4	3	31	17	1.73	0.11	3	0.12	147	9	0.07	53	145	7	<5	<5	<0.01	<10	11	609	7	5	<10	18	13
848	E1314195	<0.005	<1	0.37	11	32	28	<2	13	0.46	<4	4	28	22	1.71	0.12	3	0.12	134	8	0.07	42	143	<1	<5	<5	<0.01	<10	12	611	<2	4	<10	20	16
849	E1314196	0.011	<1	0.37	13	31	26	<2	8	0.47	<4	5	22	18	1.65	0.11	3	0.13	124	6	0.06	30	135	4	<5	<5	<0.01	<10	10	606	2	5	<10	20	12
850	E1314197	0.018	<1	0.32	18	30	26	<2	11	1.03	<4	7	15	79	1.51	0.08	2	0.09	137	5	0.05	24	122	2	<5	<5	<0.01	<10	10	203	2	3	<10	23	10

PROCEDURE CODES: ALP2, ALFA1, ALAR1

 Certified By:   
 Jason Moore, General Manager

 The results included on this report relate only to the items tested.  
 The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.


Friday, February 8, 2013

**Final Certificate**Iamgold  
Chester 1 Camp, 3 Mesomikenda Lake Rd  
Gogama, ON, CAN  
P0M1W0  
Ph#: (416) 363-8567  
Fax#: (416) 216-8535Date Received: 02/04/2013  
Date Completed: 02/08/2013  
Job #: 201310041  
Reference: 201310005  
Sample #: 3

---

Acc #	Client ID	Au Grav oz/t	Au Grav g/t(ppm)
13227	E1297909	0.078	2.688
13228	E1297950	0.106	3.647
13229	1312427	0.096	3.277

PROCEDURE CODES: ALFA7

  
Certified By: Dr. David Brown, VP QualityThe results included on this report relate only to the items tested.  
The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.

Friday, February 15, 2013

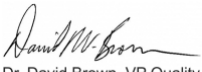
## Final Certificate

 lamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535

 Date Received: 01/31/2013  
 Date Completed: 02/15/2013  
 Job #: 201310020  
 Reference: 201310007  
 Sample #: 3

Acc #	Client ID	#1 Pulp Assay ppm	#2 Pulp Assay ppm	Metallics Assay ppm	Total ppm	% Met. in Pulp	Pulp Met. Weight(g) ppm
6015	E1314027	15.044	15.277	80.599	17.646	3.80%	28.71
6016	E1314072	6.889	7.882	71.698	9.210	2.84%	20.14
6017	1310862	8.275	8.275		8.275	No Met.	

PROCEDURE CODES: ALPM1

 Certified By:   
 Dr. David Brown, VP Quality

 The results included on this report relate only to the items tested.  
 The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.




Friday, February 15, 2013

**Final Certificate**Iamgold  
Chester 1 Camp, 3 Mesomikenda Lake Rd  
Gogama, ON, CAN  
P0M1W0  
Ph#: (416) 363-8567  
Fax#: (416) 216-8535Date Received: 01/31/2013  
Date Completed: 02/15/2013  
Job #: 201310021  
Reference: 201310007  
Sample #: 2

---

Acc #	Client ID	Au Grav oz/t	Au Grav g/t(ppm)
6018	E1314026	0.095	3.260
6019	E1314083	0.065	2.231

PROCEDURE CODES: ALFA7

Certified By:   
Dr. David Brown, VP QualityThe results included on this report relate only to the items tested.  
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Wednesday, November 20, 2013

**Final Certificate**Iamgold  
Chester 1 Camp, 3 Mesomikenda Lake Rd  
Gogama, ON, CAN  
P0M1W0  
Ph#: (416) 363-8567  
Fax#: (416) 216-8535  
Email: Alan\_Smith@iamgold.comDate Received: 11/15/2013  
Date Completed: 11/20/2013  
Job #: 201310917  
Reference: 201310895  
Sample #: 2

---

Acc #	Client ID	Au Grav oz/t	Au Grav g/t(ppm)
102302	CL1413947	0.062	2.131
102303	189524	0.086	2.949

PROCEDURE CODES: ALM1, ALFA7

Certified By: The results included on this report relate only to the items tested.  
The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.

Thursday, November 21, 2013

## Final Certificate

 iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/15/2013  
 Date Completed: 11/21/2013  
 Job #: 201310919  
 Reference: 201310897  
 Sample #: 3

Acc #	Client ID	#1 Pulp Assay ppm	#2 Pulp Assay ppm	Metallics Assay ppm	Total ppm	% Met. in Pulp	Pulp Met. Weight(g) ppm
102306	CL205307	4.625	6.285	22.319	6.374	5.45%	38.71
102307	CL205312	6.489	5.205	41.429	6.667	2.30%	12.67
102308	189611	8.514	8.514		8.514	No Met.	

**PROCEDURE CODES: ALPM1**

Certified By: The results included on this report relate only to the items tested.  
 The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.

Thursday, November 21, 2013

## Final Certificate

 Iamgold  
 Chester 1 Camp, 3 Mesomikenda Lake Rd  
 Gogama, ON, CAN  
 P0M1W0  
 Ph#: (416) 363-8567  
 Fax#: (416) 216-8535  
 Email: Alan\_Smith@iamgold.com

 Date Received: 11/15/2013  
 Date Completed: 11/21/2013  
 Job #: 201310918  
 Reference: 201310901  
 Sample #: 2

Acc #	Client ID	#1 Pulp Assay ppm	#2 Pulp Assay ppm	Metallics Assay ppm	Total ppm	% Met. in Pulp	Pulp Met. Weight(g) ppm
102304	CL205436	16.451	18.435	93.554	19.006	2.05%	15.28
102305	189610	8.678	8.678		8.678	No Met.	

PROCEDURE CODES: ALPM1

Certified By: The results included on this report relate only to the items tested.  
 The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.

Tuesday, November 26, 2013

**Final Certificate**iamgold  
Chester 1 Camp, 3 Mesomikenda Lake Rd  
Gogama, ON, CAN  
P0M1W0  
Ph#: (416) 363-8567  
Fax#: (416) 216-8535  
Email: Alan\_Smith@iamgold.comDate Received: 11/19/2013  
Date Completed: 11/26/2013  
Job #: 201310920  
Reference: 201310903  
Sample #: 2

---

Acc #	Client ID	Au Grav oz/t	Au Grav g/t(ppm)
102309	CL1386127	0.073	2.503
102310	189525	0.090	3.078

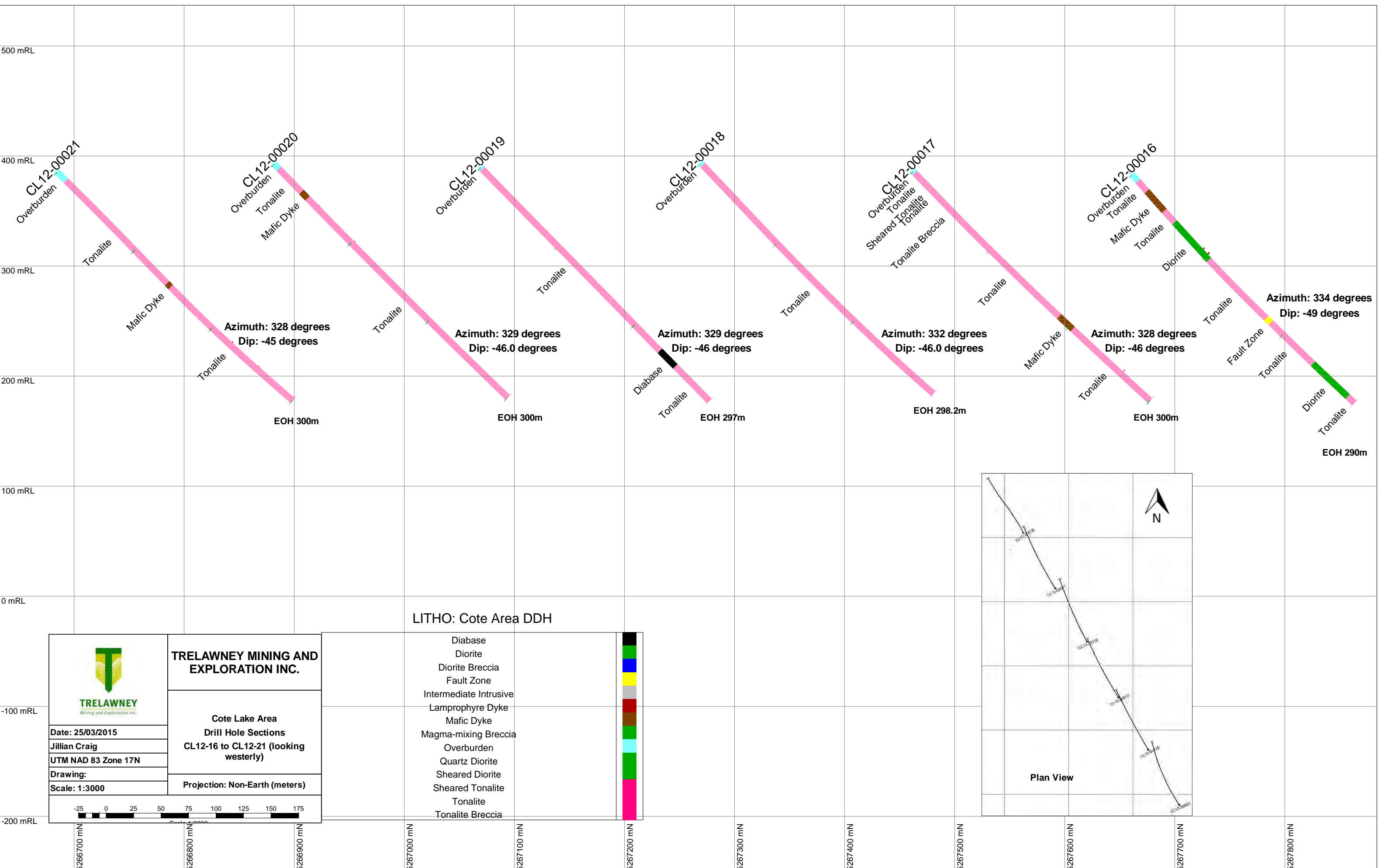
PROCEDURE CODES: ALM1, ALFA7

  
Certified By: Dr. David Brown, VP Quality

The results included on this report relate only to the items tested.

The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.

## Appendix C: Vertical Cross-Sections for Drill Holes



500 mRL  
400 mRL  
300 mRL  
200 mRL  
100 mRL  
0 mRL  
-100 mRL  
-200 mRL

CL12-00021  
Overburden  
Tonalite  
Mafic Dyke  
Azimuth: 328 degrees  
Dip: -45 degrees  
EOH 300m

CL12-00020  
Overburden  
Tonalite  
Mafic Dyke  
Azimuth: 329 degrees  
Dip: -46.0 degrees  
EOH 300m

CL12-00019  
Overburden  
Tonalite  
Azimuth: 329 degrees  
Dip: -46 degrees  
EOH 297m


CL12-00018  
Overburden  
Tonalite  
Diabase  
Tonalite  
Azimuth: 332 degrees  
Dip: -46.0 degrees  
EOH 298.2m

CL12-00017  
Overburden  
Tonalite  
Sheared Tonalite  
Tonalite Breccia  
Tonalite  
Mafic Dyke  
Azimuth: 328 degrees  
Dip: -46 degrees  
EOH 300m

CL12-00016  
Overburden  
Tonalite  
Mafic Dyke  
Tonalite  
Diorite  
Fault Zone  
Tonalite  
Diorite  
Tonalite  
Azimuth: 334 degrees  
Dip: -49 degrees  
EOH 290m

LITHO: Cote Area DDH

- Diabase
- Diorite
- Diorite Breccia
- Fault Zone
- Intermediate Intrusive
- Lamprophyre Dyke
- Mafic Dyke
- Magma-mixing Breccia
- Overburden
- Quartz Diorite
- Sheared Diorite
- Sheared Tonalite
- Tonalite
- Tonalite Breccia

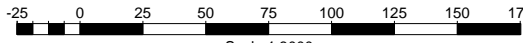


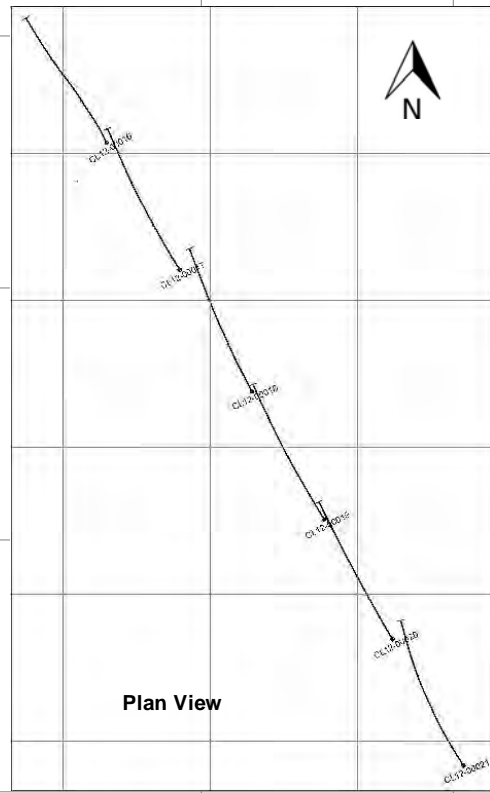
**TRELAWNEY MINING AND EXPLORATION INC.**

Cote Lake Area  
Drill Hole Sections  
CL12-16 to CL12-21 (looking westerly)

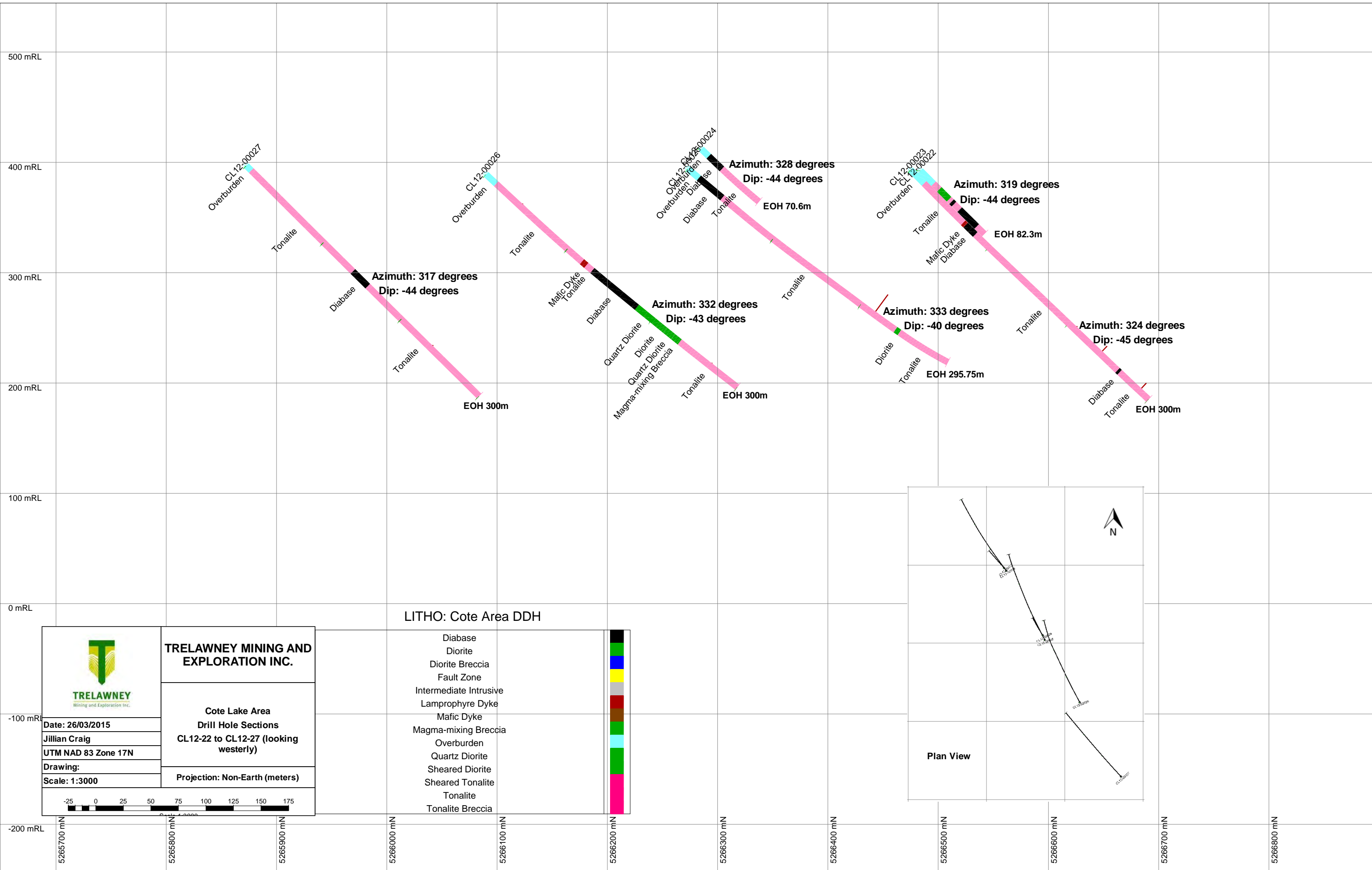
Projection: Non-Earth (meters)

Date: 25/03/2015  
Jillian Craig  
UTM NAD 83 Zone 17N  
Drawing:  
Scale: 1:3000





5266700 mN 5266800 mN 5266900 mN 5267000 mN 5267100 mN 5267200 mN 5267300 mN 5267400 mN 5267500 mN 5267600 mN 5267700 mN 5267800 mN



LITHO: Cote Area DDH

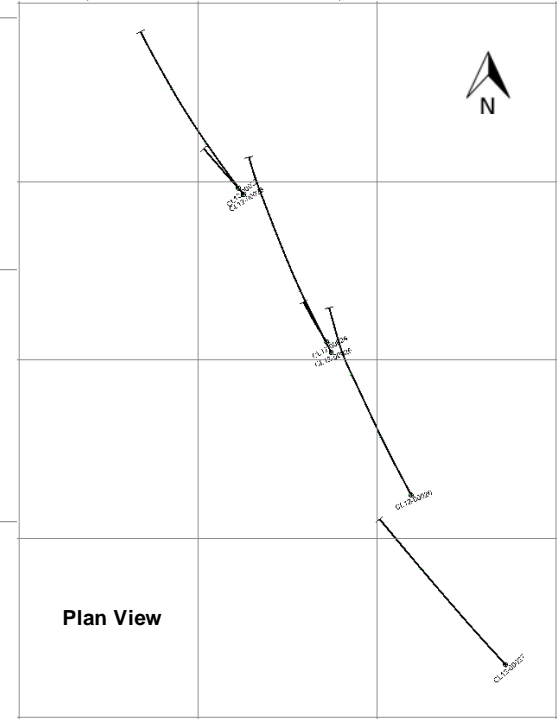
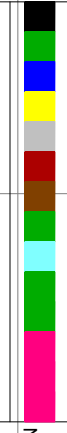
**TRELAWNEY MINING AND EXPLORATION INC.**

**Cote Lake Area  
Drill Hole Sections  
CL12-22 to CL12-27 (looking westerly)**

Projection: Non-Earth (meters)

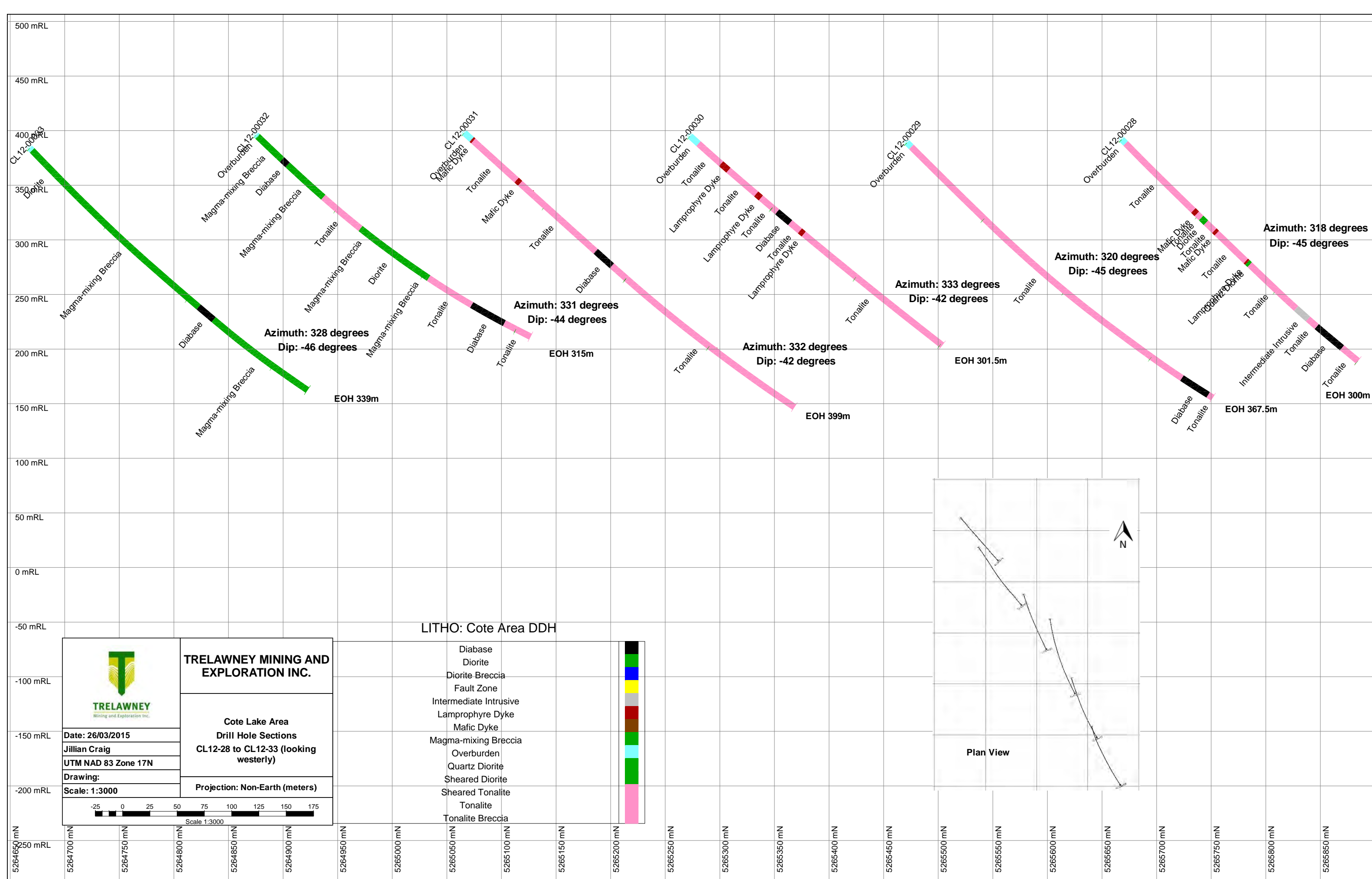
Date: 26/03/2015  
Jillian Craig  
UTM NAD 83 Zone 17N  
Drawing:  
Scale: 1:3000

- Diabase
- Diorite
- Diorite Breccia
- Fault Zone
- Intermediate Intrusive
- Lamprophyre Dyke
- Mafic Dyke
- Magma-mixing Breccia
- Overburden
- Quartz Diorite
- Sheared Diorite
- Sheared Tonalite
- Tonalite
- Tonalite Breccia



Plan View





**TRELAWNEY MINING AND EXPLORATION INC.**

**Cote Lake Area  
Drill Hole Sections  
CL12-28 to CL12-33 (looking westerly)**

**Projection: Non-Earth (meters)**

**Date: 26/03/2015**

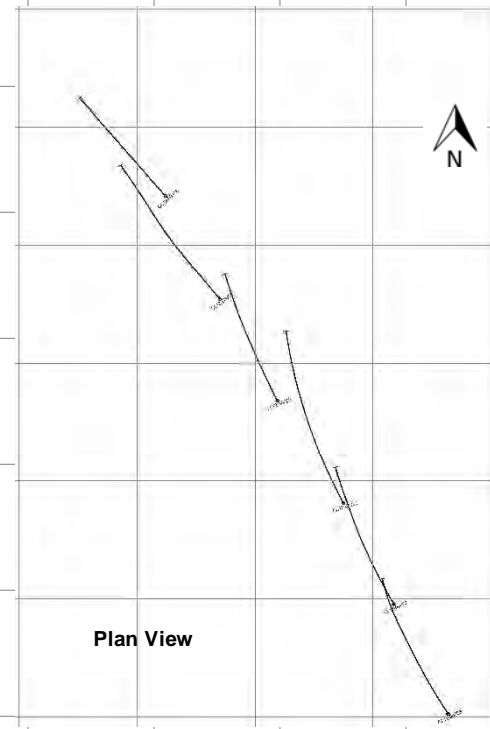
**Jillian Craig**

**UTM NAD 83 Zone 17N**

**Drawing:**

**Scale: 1:3000**

Scale 1:3000



Appendix D: Quality Control Results Table

QA/QC Results - Blanks

Start Date 01/11/13 End Date 30/01/14  
 Lab: ActLabs Blank Code: BLKDIA Warning: 0.1 AU PPM

		Total Samples	Passed	Failed
		104	103	1
Date	Cert	Samp	Pass	Fail
01/11/13	201310896	1413860	0.005	
01/11/13	201310896	1413889	0.005	
01/11/13	201310896	1413918	0.005	
01/11/13	201310895	1413949	0.005	
01/11/13	201310895	1413977	0.005	
14/11/13	201310913	1299004	0.010	
14/11/13	201310913	1299040	0.010	
14/11/13	201310913	1299066	0.010	
14/11/13	201310913	1299092	0.005	
14/11/13	201310913	1299118	0.005	
14/11/13	201310913	1299144	0.005	
01/11/13	201310902	1258852	0.005	
01/11/13	201310902	1258879	0.005	
01/11/13	201310902	1258905	0.005	
01/11/13	201310902	1258931	0.010	
01/11/13	201310902	1258957	0.005	
01/11/13	201310902	1258983	0.010	
01/11/13	201310903	1386009	0.005	
01/11/13	201310903	1386035	0.005	
01/11/13	201310903	1386061	0.005	
01/11/13	201310903	1386087	0.005	
01/11/13	201310903	1386113	0.020	
01/11/13	201310903	1386139	0.010	
01/11/13	201310903	1386165	0.010	
01/11/13	201310904	1259518	0.010	
01/11/13	201310904	1259544	0.005	
01/11/13	201310904	1259570	0.005	
01/11/13	201310904	1259596	0.005	
01/11/13	201310904	1259622	0.005	
01/11/13	201310904	1259648	0.010	
01/11/13	201310904	1259674	0.005	
01/11/13	201310904	1259701	0.005	
30/01/14	201410007	1259727	0.010	
30/01/14	201410007	1259753	0.005	
01/11/13	201310904	1259780	0.005	
01/11/13	201310898	204988	0.005	
01/11/13	201310898	205013	0.010	
14/11/13	201310916	205038		3.85

01/11/13	201310898	205063	0.010
01/11/13	201310899	205088	0.005
01/11/13	201310899	205113	0.005
01/11/13	201310899	205138	0.005
01/11/13	201310899	205163	0.005
01/11/13	201310899	205188	0.005
01/11/13	201310899	205213	0.005
01/11/13	201310897	205238	0.005
01/11/13	201310897	205263	0.005
01/11/13	201310897	205288	0.005
01/11/13	201310897	205313	0.030
01/11/13	201310894	205338	0.005
01/11/13	201310901	205363	0.005
01/11/13	201310901	205388	0.005
01/11/13	201310901	205413	0.005
01/11/13	201310901	205438	0.005
01/11/13	201310901	205463	0.005
01/11/13	201310901	205488	0.005
01/11/13	201310900	178816	0.010
01/11/13	201310900	178841	0.005
01/11/13	201310900	178866	0.005
01/11/13	201310900	178892	0.005
01/11/13	201310900	178917	0.005
01/11/13	201310900	178942	0.005
14/11/13	201310915	242038	0.005
14/11/13	201310915	242063	0.005
14/11/13	201310915	242088	0.005
14/11/13	201310915	242113	0.005
14/11/13	201310915	242138	0.005
14/11/13	201310915	242142	0.010
14/11/13	201310915	242163	0.005
30/01/14	201410005	242188	0.005
30/01/14	201410005	242213	0.005
14/11/13	201310915	242238	0.005
14/11/13	201310912	408644	0.005
14/11/13	201310912	408669	0.010
14/11/13	201310912	408694	0.005
14/11/13	201310912	408719	0.005
14/11/13	201310912	408744	0.005
14/11/13	201310912	408769	0.005
14/11/13	201310912	408794	0.005
14/11/13	201310910	406019	0.005
14/11/13	201310910	406044	0.005
14/11/13	201310910	406069	0.005
14/11/13	201310910	406094	0.005
14/11/13	201310910	406119	0.005
14/11/13	201310910	406144	0.005

14/11/13	201310910	406169	0.005
14/11/13	201310910	406194	0.005
14/11/13	201310910	406219	0.005
14/11/13	201310914	408969	0.005
14/11/13	201310914	408994	0.005
14/11/13	201310914	409019	0.005
14/11/13	201310914	409044	0.005
14/11/13	201310914	409069	0.005
14/11/13	201310914	409094	0.005
14/11/13	201310914	409119	0.005
14/11/13	201310914	409144	0.005
14/11/13	201310914	409169	0.005
14/11/13	201310914	409194	0.005
14/11/13	201310914	409219	0.005
14/11/13	201310912	408769	0.005
14/11/13	201310912	408794	0.005
14/11/13	201310912	408819	0.005
14/11/13	201310912	408844	0.005
14/11/13	201310912	408869	0.005

QA/QC Results - Standards

From Date 01/11/13 To Date 14/11/13

Lab: ActLabs Standard: OREAS 204 Mean:1.043 AU PPM

Limits

	2s	3s
Upper	1.12	1.158
Lower	0.966	0.927

Total Samples	Passed	Failed
19	19	0

Date	Cert	Samp	Pass	Fail
01/11/13	201310898	205002	1.00	
01/11/13	201310899	205101	1.03	
01/11/13	201310899	205201	1.00	
01/11/13	201310897	205301	1.02	
01/11/13	201310901	205401	1.04	
01/11/13	201310901	205451	0.97	
01/11/13	201310893	242026	1.01	
01/11/13	201310900	178854	1.03	
14/11/13	201310915	242151	1.05	
14/11/13	201310915	242251	1.04	
14/11/13	201310912	408707	1.05	
14/11/13	201310912	410586	1.00	
14/11/13	201310910	406007	1.03	
14/11/13	201310910	406107	1.05	
14/11/13	201310910	406207	1.01	
14/11/13	201310914	409007	1.09	
14/11/13	201310914	409107	1.03	

14/11/13	201310914	409207	1.04
14/11/13	201310912	408807	1.02

QA/QC Results - Standards				
From Date	14/11/13	To Date	14/11/13	
Lab: ActLabs Standard: OREAS 206 Mean:2.197 AU PPM				
Limits				
		2s	3s	
Upper		2.36	2.441	
Lower		2.035	1.953	
Total Samples			Passed	Failed
				0

Date	Cert	Samp	Pass	Fail
14/11/13	201310915	242176	2.26	
14/11/13	201310912	408632	2.36	
14/11/13	201310912	408732	2.32	
14/11/13	201310910	406032	2.15	
14/11/13	201310910	406132	2.22	
14/11/13	201310914	409032	2.27	
14/11/13	201310914	409132	2.25	
14/11/13	201310912	408832	2.30	

QA/QC Results - Standards				
From Date	01/11/13	To Date	14/11/13	
Lab: ActLabs Standard: OREAS 501 Mean:0.204 AU PPM				
Limits				
		2s	3s	
Upper		0.226	0.237	
Lower		0.182	0.171	
Total Samples			Passed	Failed
			11	6

Date	Cert	Samp	Pass	Fail
01/11/13	201310898	205051	0.19	
01/11/13	201310899	205151	0.19	
01/11/13	201310897	205251	0.18	
01/11/13	201310901	205351	0.21	
01/11/13	201310901	205426	0.19	
01/11/13	201310900	178804	0.19	
01/11/13	201310900	178904		0.25
14/11/13	201310915	242051	0.19	
14/11/13	201310915	242076	0.23	
14/11/13	201310915	242202	0.21	
14/11/13	201310912	408657	0.23	
14/11/13	201310910	406057		0.25

14/11/13	201310910	406157	0.24
14/11/13	201310914	408957	0.24
14/11/13	201310914	409057	0.25
14/11/13	201310914	409157	0.25
14/11/13	201310912	408857	0.23

QA/QC Results - Standards				
From Date	01/11/13	To Date	14/11/13	
Lab: ActLabs Standard: OREAS 504 Mean:1.48 AU PPM				
Limits				
		2s	3s	
Upper		1.56	1.6	
Lower		1.4	1.36	
		Total Samples	Passed	Failed
		15	15	0
Date	Cert	Samp	Pass	Fail
01/11/13	201310899	205176	1.490	
01/11/13	201310897	205276	1.450	
01/11/13	201310901	205376	1.470	
01/11/13	201310901	205476	1.460	
01/11/13	201310900	178831	1.530	
01/11/13	201310900	178929	1.450	
01/11/13	201310904	1259740	1.50	
14/11/13	201310915	242226	1.580	
14/11/13	201310912	408682	1.420	
14/11/13	201310912	408782	1.450	
14/11/13	201310910	406082	1.520	
14/11/13	201310910	406182	1.440	
14/11/13	201310914	408982	1.420	
14/11/13	201310914	409082	1.550	
14/11/13	201310914	409182	1.530	

QA/QC Results - Standards				
From Date	01/11/13	To Date	14/11/13	
Lab: ActLabs Standard: OREAS 152 Mean: 0.116 AU PPM				
Limits				
		2s	3s	
Upper		0.126	0.131	
Lower		0.106	0.1	
		Total Samples	Passed	Failed
		9	9	0
Date	Cert	Samp	Pass	Fail
01/11/13	201310902	1258839	0.120	
01/11/13	201310902	1258944	0.110	
01/11/13	201310903	1386048	0.110	
01/11/13	201310903	1386152	0.120	
01/11/13	201310904	1259505	0.110	
01/11/13	201310904	1259609	0.110	

01/11/13	201310904	1259714	0.110
01/11/13	201310895	1413963	0.110
14/11/13	201310913	1299105	0.100

QA/QC Results - Standards

From Date 01/11/13 To Date 14/11/13

Lab: ActLabs Standard: OREAS 15g Mean: 0.527 AU PPM

Limits

	2s	3s
Upper	0.573	0.596
Lower	0.481	0.458

Total Samples	Passed	Failed
9	9	0

Date	Cert	Samp	Pass	Fail
01/11/13	201310902	1258865	0.53	
01/11/13	201310902	1258970	0.53	
01/11/13	201310903	1386074	0.54	
01/11/13	201310904	1259531	0.49	
01/11/13	201310904	1259635	0.52	
01/11/13	201310896	1413874	0.51	
14/11/13	201310905	1413990	0.51	
14/11/13	201310913	1299027	0.50	
14/11/13	201310913	1299131	0.49	

QA/QC Results - Standards

From Date 01/11/13 To Date 14/11/13

Lab: ActLabs Standard: OREAS 16a Mean: 1.81 AU PPM

Limits

	2s	3s
Upper	1.93	1.99
Lower	1.69	1.63

Total Samples	Passed	Failed
9	9	0

Date	Cert	Samp	Pass	Fail
01/11/13	201310902	1258892	1.83	
01/11/13	201310902	1258996	1.83	
01/11/13	201310903	1386100	1.80	
01/11/13	201310904	1259557	1.87	
01/11/13	201310904	1259661	1.89	
01/11/13	201310904	1259766	1.80	
01/11/13	201310896	1413905	1.82	
14/11/13	201310913	1299053	1.79	
14/11/13	201310913	1299157	1.84	

QA/QC Results - Standards

From Date 01/11/13 To Date 14/11/13

Lab: ActLabs Standard: OREAS 16b Mean: 2.21 AU PPM

Limits

2s	3s
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Upper		2.35	2.42	
Lower		2.07	2	
		Total Samples	Passed	Failed
		6	6	0
Date	Cert	Samp	Pass	Fail
01/11/13	201310898	205029	2.15	
01/11/13	201310899	205126	2.23	
01/11/13	201310891	205226	2.20	
01/11/13	201310897	205326	2.35	
01/11/13	201310900	178879	2.04	
14/11/13	201310915	242101	2.13	
QA/QC Results - Standards				
From Date		To Date		
		Lab: ActLabs	Standard: OREAS 66a	Mean:1.237 AU PPM
		Limits		
Upper		2s	3s	
		1.345	1.399	
Lower		1.129	1.075	
		Total Samples	Passed	Failed
		8	8	0
Date	Cert	Samp	Pass	Fail
01/11/13	201310902	1258918	1.22	
01/11/13	201310903	1386022	1.23	
01/11/13	201310903	1386126	1.22	
01/11/13	201310904	1259583	1.25	
01/11/13	201310904	1259688	1.15	
01/11/13	201310904	1259793	1.18	
01/11/13	201310896	1413933	1.28	
14/11/13	201310913	1299079	1.19	