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TECHNICAL REPORT FOR THE OAKES PROPERTY,

THUNDER BAY MINING DIVISION, ONTARIO

CLAIMS NUMBERS:

702840, 702852, 702841, 548957

551116 & 702842

PREAPRED FOR: RIVERSIDE RESOURCES INC.

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DATED: April 17, 2022

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Summary

The Oakes Project is part of the Beardmore-Geraldton Greenstone Belt region, located northeast of Thunder Bay, Ontario. The Geraldton region has a long and rich mining history and has produced 4.1 million ounces of gold over the past 100 years including the combined MacLeod-Cockshutt Mine, which produced 1.5 million ounces of gold[1]. More recently, the Hardrock Project held by Greenstone Gold Mines (jointly owned by Centerra Gold and Premier Gold Mines) has elevated attention to the area by announcing their intention to mine their gold resource near Geraldton, Ontario. The Hardrock Project mineral reserves of 4.1M ounces and resources of 1.4 million measured and indicated ounces and 1.36 million inferred ounces of gold[2].

Bedrock in the Oakes project comprises a package of metavolcanics with metasedimentary. At the southern boundary of the property, granitic rocks of the Kroll Lake Stock form a large geologic structurally controlled block. Sulphide mineralization is noted at the boundary of geologic units and in shears. Gold is typically found in shears is associated with strong sericitic alteration and sulphide minerals; pyrite pyrrhotite +/- arsenopyrite similar to at the Hard Rock Deposit. Shears and veins absent of sulphides do not appear to carry gold.

Past work at Oakes included geophysical, geochemical surveys and several small drill programs. Riversides focus on Oakes has been in the eastern portion of the project where recent trenching identified a 2 to 10 metres wide shear zone that appears to be continuous and extend over 600 m in strike length. This wok is complimented by older geochemical work in the 1990s.

In 2019 Riverside sampled selective sections of the shear zones in Trench #1 and #3 showing sulphide mineralization. Three of seven samples from Trench-1 retuned good gold values of 19.7, 31.9 g/t and 6.9 g/t. The trend of the mineralization in Trench #1 aligns closely with IP anomaly #4 (see Figure 15). Sampling by Riverside along IP #4 anomaly was traced over a mineralized length of 600m.

The 2021 IP survey occurred in an area of extensive anthropomorphic activity however the survey was still able to define six IP trends. Most of these trends appear as linear chargeability highs and resistivity low features most of which have already been identified by trenching and sampling.

The Oakes Project has several bonified targets; the HG Target being the most worked up at this point. Geophysics and geochemistry have defined several linear contact-controlled shear zones with mineralization, namely pyrite and gold. Gold to date seems to be always associated with pyrite mineralization that appears to be readily identified by induced polarization geophysical surveys.

Drill testing the 600-meter mineralized zone that extends between historic trenches #1 to #3 is a priority. Other geophysical anomalies such as those shown in Figure 15 should be further explored with stripping and sampling.

[1] https://www.centerragold.com/cg-raw/cg/2016_Greenstone-Hardrock_43-101_Technical-Report_Dec21-2016-lr.pdf
[2] http://www.greenstonegoldmines.com/hardrock

1 Introduction

This report summarizes the results from Riverside's and the authors exploration work on the Oakes project between June 2019 and November 2021. Riverside's work comprised 3 field sessions each with different objectives. The first visit was to verify the past work, try to locate old drill pad locations, old trenches and identify the areas outlined as being anomalous in previous soil geochemistry and IP geophysical surveys. While the survey anomaly locations were somewhat well established on maps and transferrable into GIS for mapping purposes the drill pads of interest could not be found as they are much older. The geochemical and geophysical surveys were conducted by others but are believed to be reliable based on confirmation sampling and field observations. The subsequent fieldwork consisted of two, 2-person field crews with one group completed prospecting, mapping and further verification of published materials while another crew sampled the old trenches using a rock saw which was quite time consuming. The winter 2019-20 was spent reworking the geochemical and geophysical and preparing a follow-up fieldwork program. 2020 field work was limited because of Covid-2 restrictions to bedrock mapping program and an inversion study on the 2010 IP data which was incorporated into the GIS database.

In the spring of 2021 Riverside contracted a Geophysical company to conduct an IP survey to the east and west of the 2010 IP survey. A combination and inversion of the 2010 and 2021 surveys is being completed but won't be completed in time for this filing.

2 Property Description and Location

The portion of Oakes Project being reported on in this filing are in the Oakes and Daley Townships north of the town of Long Lac, Ontario part of the Thunder Bay Mining Division. The approximate UTM coordinates for the center of the property are 529229E an 5516940N (Datum NAD83, Zone 16U).

This filing on the property consists of 110 patented cells consisting of 6 multi-cell claims totalling approximately 2255 hectares. These mineral claims are owned 100% by Riverside Resources Inc. The total work required for the 110 cells is $44,000/year. The original claims staked in 2019 were given a one-year *covid extension* such that their due date is 3 years from the recording date. Table 1 below shows the status of the Oakes claims.

Table 1: List of Oakes claims as of April 2022

Claims	Township	Due Date	Work required/yr.	Cells	Approximate Hectares
548957	OAKES	2022-04-24	$ 4,800	12	246
551116	OAKES	2022-06-06	$ 4,400	11	225.5
702852	DALEY, OAKES	2022-06-06	$ 8,000	20	410
702840	DALEY	2022-01-31	$ 9,200	23	471.5
702842	OAKES	2022-01-31	$ 9,600	24	492
702841	DALEY, OAKES	2022-01-31	$ 8,000	20	410
		Totals	$ 44,000	110	2255

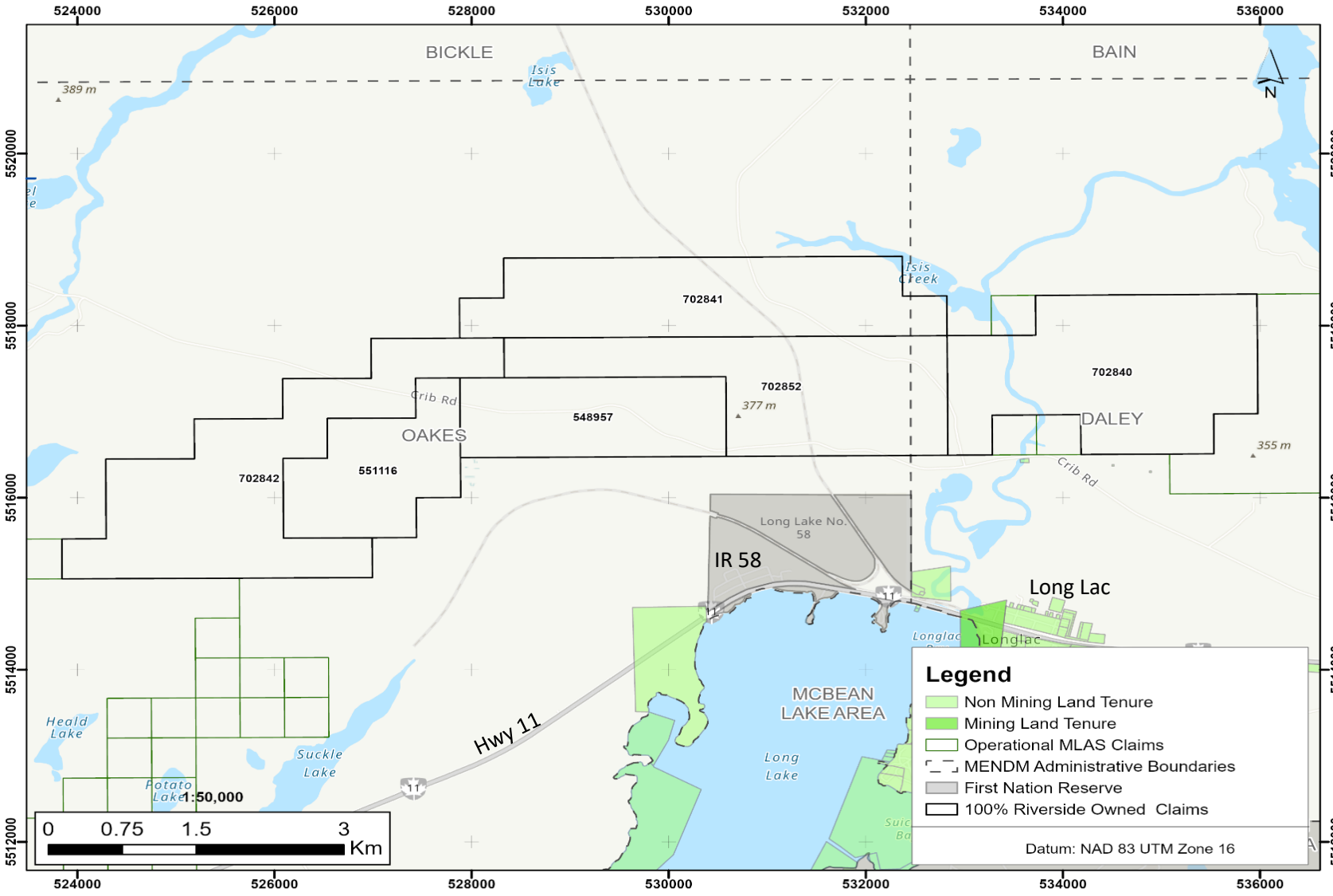


Figure 1: Oakes Project Claim Map with primary roads labelled.

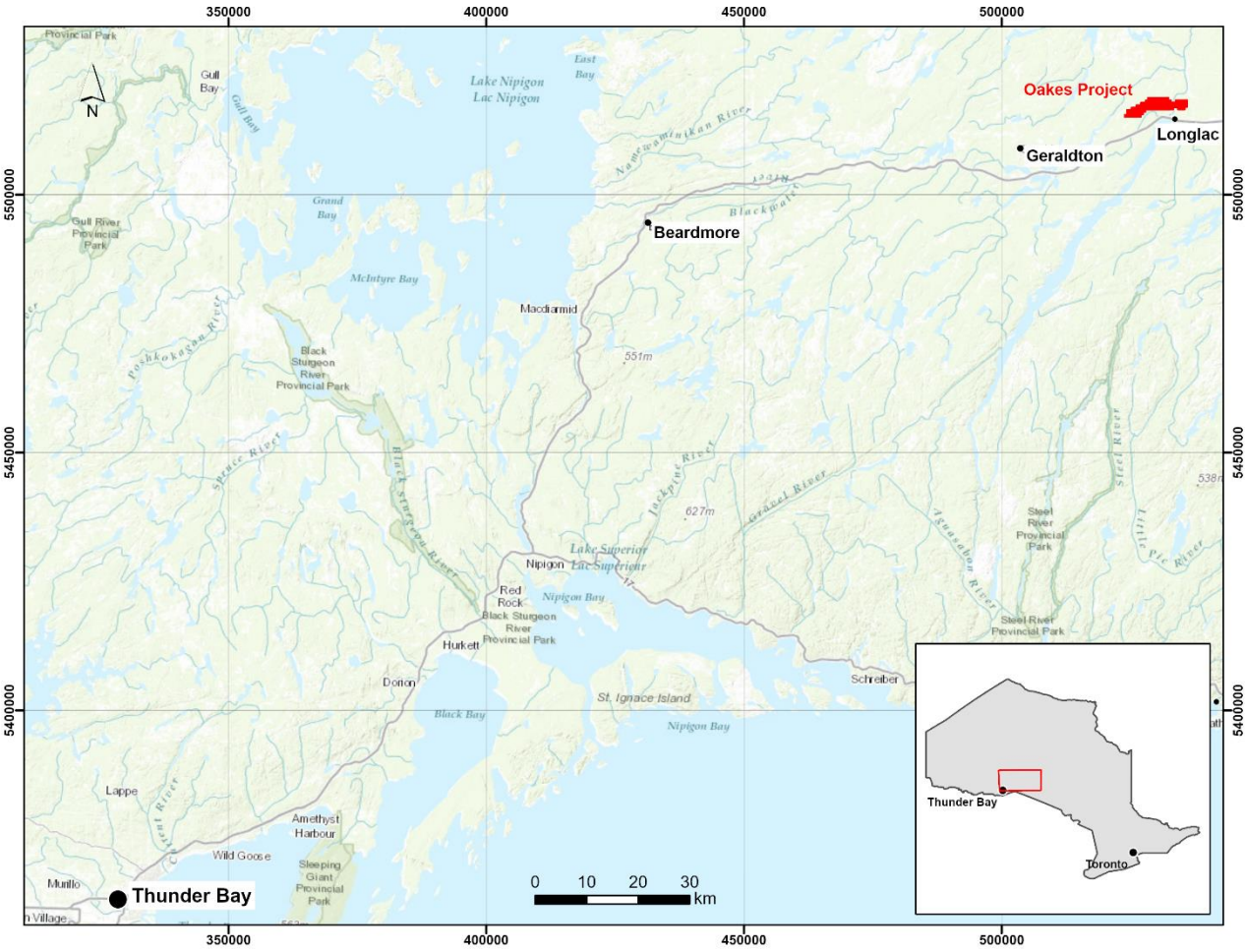


Figure 2: Location Map, Oakes is located 23 km east of Greenstone Gold's Hardrock Deposit and 310 km northeast of Thunder Bay (population 110,000).

3 Accessibility and Physiography

The Oakes Project is located 3km north of the town of Long Lac Ontario north of Trans-Canada Highway 11. During the spring, summer and fall the project area can be easily accessed by car from the Blueberry Haulage Road 4km east of Long Lac. Secondary access is along the 2-lane Crib Road which transects the southern portion of the claim. Smaller dirt roads access other areas of the project. Temperatures from highs of 40C in the summer to -30C in winter with snow cover between November and May. The best exploration season is between August and November (to avoid bugs) although work can be carried out year-round. Cedar swamps comprise a small portion of the property, in these areas exploration is best conducted in the winter months when the ground is frozen. The project is accessible year-round for exploration activities.

Long Lac has a population of 1435 (2014 Census) and is adjacent to two Reserves: The Ginoogaming First Nation and Long Lake 58 First Nation which have populations of several hundred people. Long Lac has restaurants, hotels and general supplies and includes expertise such as excavators, exploration crews and diamond drillers and is a very good location for setting up a base of operations for exploration.

The property is rectangular and oriented east-west parallel to the geology. A power line right-of-way and natural gas pipeline transect the project east-west, while the CNR railway transects the project north-south. The two-lane gravel Crib Road parallels the southern boundary providing excellent access to most the project. The project area comprises rolling, heavily glaciated terrain of low relief and elevation (300m). Surficial cover is generally shallow except in the lowest lying terrain where swamps can be present. Vegetation consists primary of mixed deciduous and pine, with cedar in the swampy areas. The underbrush can be thick in some areas and some of the swamps are very difficult to navigate on foot in the summer months.

4 Property History

Discovery of gold at Little Long Lac created interest in the region as soon as the railway accessed the area. The Oakes property was first mapped in detail by the *Ontario Department of Mines* (Fairbairn, 1936). In 1987, the western half of the property was remapped by Kresz and Zayachivsky for the Ontario Geological Survey (Report 273, Northern Long Lake Area). Aside from the government mapping, mineral exploration on the property has been sporadic and is summarized below.

The first geological exploration of Long Lake was made by Robert Bell in 1870. His route followed the Pic River to McKay Lake, across Summit portage to the Making Ground River, thence to Long Lake and down the Kenogami River. Between 1900 and 1932 several surveys were completed in the region. In 1932 a major gold discovery was made on Little Long Lac, which developed into the Little Long Lac mine. In 1934, owing to the growing importance of the Little Long Lac belt a considerable amount of staking and development work was done east and west of Long Lake. The exploration of Oakes Township and the discovery of the gold mineralization there was described by Douglas (1947) of Hard Rock Gold Mines Limited. During the summer of 1947, lines were cut, a control survey was put through and traverse lines were run approximately 440 feet apart. “The discovery vein in claim TB 35471 was opened up for 100 feet and systematically sampled. It is a narrow quartz vein up to 2 feet in width following a shear in the andesite. The strike is 87 degrees and the dip is 80 degrees south. Pyrite, chalcopyrite and galena are found in the vein but are mainly concentrated on the footwall side of the vein. The distribution of gold values follows the sulphides very closely. Six diamond drill holes were put down to check the continuation of the vein and values." Drill logs report the mineralized zones that were sampled historically comprised quartz-carbonate veins within sheared metavolcanics and metasediments with sulphide mineralization (pyrite, chalcopyrite and galena). It appears this drilling campaign was conducted to trace known veins discovered at surface to depth.

Pyrite and chalcopyrite mineralization is noted, but galena is absent. One diamond drill hole was put down to sample the vein below surface. In Claim TB 35696, about 140 feet south of the north claim line an irregular quartz vein is found in coarse grained andesite. It was traced for over 100 feet and has slight mineralization. In the northern part of Claim TB 35701 is a narrow quartz stringer beside a zone rich in pyrite mineralization. The pyrite is fine-grained and pale in colour and is heavy over a width of from two to four feet. An irregular quartz vein near the west boundary of Claim TB 35695 was opened up in a shear in the andesite. Towards the east end, before dropping into low ground, the vein swells to a width of 2.5 feet. To the west it pinches as the shear tightens up. Pyrite and chalcopyrite are seen across the full width, although not in large concentrations. "Near the west boundary of Claim TB 35732 in small outcrops in the swamp several small quartz veins occur in rusty shears in the greenstone. They are seldom over 6 inches in width and are not persistent but carry pyrite and chalcopyrite mineralization." "Near the no. 4 post of Claim TB 35699 a series of rusty shears was investigated. On the strength of the surface showing two

diamond drill holes were put down and encountered considerable pyrite mineralization. The zone in sheared greenstone is only a few feet from the granite contact", Douglas, 1947.

In **1947** Hardrock Mining drilled nine short holes totalling 145 feet to test the known showings. The shears are recorded as striking about 80 degrees and dipping at 80 degrees to the south. The shears occur within greenstone (metavolcanics) at the contact to the granite (Kroll Lake Stock). Hardrock did some additional shallow (35-70 feet) drilling in 1950-51 in the area of what is now the Oakes western boundary. Drill logs indicate the holes where collared in andesite and were targeting 'rusty shears' being mineralized with pyrite, arsenopyrite and pyrrhotite. The holes seem to have been drilled to target the contact between the metavolcanic and metasedimentary rock or the intrusive contact along the northern boundary of the Kroll Lake Stock, (Loudon W. D. & J. Pichette, 1951).

In **1972**, Hudson's Bay Exploration drilled 4 short winkie holes in the southern half of Riverside's claim 551116. The focus of these holes appears to have been drilling EM conductors. While one hole identified graphitic material several of the holes drilled five to eighty feet of semi-massive sulphides somewhere between 5 and 40% pyrrhotite with up to 1% chalcopyrite. Assays showed anomalous gold, (Lambert, A. 1972)

During the summer of **1987**, William and Lonnie Brinklow undertook a sampling and assay program that included plugger drilling, and a VLF Radem 218 survey. During the summer of 1992, they conducted a 363-sample soil survey over part of the claim block to evaluate the area and try to delineate drill targets and explain the "A" conductor (Sears, 1993).

In **1989** Grand Oakes Resources Corp. conducted an induced polarization survey in the spring, a small trenching programme in the summer and a 6-hole, 2049 foot (624m), diamond drill programme in the fall of 1989 in what is now the Oakes project claim 702842. From the summary report on drilling by Grand Oakes the mineralized zones are said to "occur within a 20-40 m wide zone of shearing characterized by extremely fine grained and finely laminated mylonitic ductile deformation. Veins appear to be more abundant within the shear zones and thus injection of the veins may have been focused within these ductile deformation zones. Mylonitization is parallel to the other structural elements in the area." Assays from drilling show anomalous gold over several meters but no assays over 0.5 g/t Au. No further work was done by Grand Oakes (McAuley, 1989).

In **1993**, Greater Lenora Resources optioned what is the eastern portion of the Oakes Project and drilled two diamond drill holes totalling 307.6m. The first hole (GL-93-1) tested EM anomaly 'B' to the south coincident with soil geochem anomalies (100 ppb Au, 430 ppm Cu, 82 ppm Zn). The hole was drilled at a dip -45° and azimuth 180° to a depth of 152.7m. The hole intersected metamorphosed basalt intercalated with what could possibly be amphibolitized mafic tuff. The sulfide content was not extensive, generally 2-4% pyrrhotite as stringers and clots. Low, slightly anomalous gold values were returned throughout, the best assay being 58 ppb/1.52m. The best copper assay was 1510 ppm/1.22m. There does not appear to be any direct correlation between the VLF anomaly and sulfide mineralization in this hole.

The second hole (GL-93-2) tested the northern EM anomaly "A" coincident with a soil geochem anomaly of 880 ppb Au, and 122 ppm Cu. The hole was drilled at dip -45°, azimuth 180° and drilled to a total depth of 154.9m. This hole intersected amphibolitized basalt mineralized with pyrrhotite and pyrite to a greater degree than GL-93-1. As well, a greater volume of quartz veins and silicification was intersected. A section of semi-massive to massive pods of pyrrhotite mineralization was intersected from 112.50-120.27m which when projected up-dip coincides with the VLF and geochem anomalies. An initial assay of 9052 ppb Au over 1.53m with check assays of 8572, 2674, and 1783 ppb Au indicated a nugget effect and a metallics

assay was performed over this interval. The metallics assay returned a value of 3360 ppb, significantly lower than the original assays.

Both holes are located on Riverside's claim 702842 (see Figure 8). Attempts were made to find the old drill pad locations however too much time had passed, and the exact locations could not be identified. Some core from this program was believed to have been found dumped on the gas line right-of-way. Although the old core shows the host rock being volcanic the drill hole information had faded and was not readable. The core also shows metavolcanic material showing sericitic alteration, silicification and pyrite mineralization two samples of this core were taken and returned anomalous gold (Carmichael, 1993).

In **2008** Golden Chalice contracted Larder Geophysics Ltd to conduct a Mag-VLF survey duplicating the previous work. In 2010 Golden Chalice contracted an IP survey to GEOSIG Inc. The survey covered the lines of the grid for a total of 10.2 km on what are Riverside's claims 702840 and 702842. The IP survey was performed in the time domain mode with a standard waveform: 2 seconds ON, 2 seconds OFF. GEOSIG used a dipole-dipole array, with a = 25m electrode spacing for the grid and readings were taken at every separation (n=1, 2, 3, 3, 5 and 6). GEOSIG identified 11 anomalies across the grid. The anomalies IP-4 to IP-8 seems to be grouped in an anomalous magnetic area. IP-10 is in another magnetic anomalous area. The sensitivity of the IP survey returned extra anomalies that were too weak to be seen by VLF of magnetic surveys.

In **2010** the IP survey was followed up with geological mapping, stripping, and channel sampling over three areas along an east-west VLF conductor coincident with pits and trenches from previous workers. The intent of the trenching program was to better expose the relationship of the bedrock geology with the historical gold in soil. A total of 205 samples were analyzed for gold. Standards and blanks were inserted into the sample stream. The three highest gold values (g/t) were found in Trench-1 (4.77, 4.17 & 3.42 g/t), with the next three in Trench-3, Trench-1 and Trench-2 respectively (2.59, 2.53, 2.11 g/t). Of the 78 samples sent for assay from Trench-1, 26% (20 samples) yielded gold assays of 1g/ or more. Likewise, Trench-2 produced 16 samples of 59 (27%) at or above 1 g/t. Finally, 7 samples out of 54 or 13%, from Trench 3 were 1g/t or above. Sample 532294 in Trench-1 hosted four grains of visible gold within a rusty folded quartz-ankerite vein. Alteration zones in all three trenches had elevated gold, though some alteration zones were only slightly anomalous in Trenches 2 & 3. The high gold assay of 4.77 g/t over 1 metre and the best composite assay of 1.3 g/t gold over 4 m was produced from the quartz-ankerite type veinlet (Tims, 2010). No further work was done by Golden Chalice and the project was dropped around 2015 as the company changed focus to iron and silica projects.

5 Geological Setting and Mineralization

5.1 Regional Geology

The Oakes property is located in the eastern end of the Geraldton Gold camp within the Beardmore-Geraldton Greenstone Belt (BGB) along the southern margin of the Archean-aged Wabigoon sub province, Superior Province of Ontario. The BGB comprises three panels of metasedimentary rocks, representing a southward transition from fluvial to deltaic to deep oceanic basin plain environments, overlying three panels of older, ca. 2725 Ma, metavolcanic rocks, representing back arc, island arc, and oceanic crust. Detrital zircon geochronology of the BGB and adjacent northern Quetico metasedimentary rocks suggests that these rocks formed from sediments derived by the erosion of ca. 2700 Ma to 2900 Ma source rocks and older >3200 Ma Mesoarchean craton of the eastern Wabigoon subprovince.

The emplacement of crosscutting 2694±1 Ma feldspar-quartz porphyry (FQP) dikes, marks the end of sedimentation in the belt. The panels were subsequently imbricated during an early thrusting event (D1) which ended with the emplacement of the stitching 2690±1 Ma Kroll Lake stock. The composition of the FQP dikes and Kroll Lake stock indicate a shift from tonalite-trondhjemite-granodiorite (TTG) suite to sanukitoid suite magmatism over a 4 Ma period. The formation of the sanukitoid melts, which involves the addition of a mantle melt component, is consistent with their generation during delamination or slab break-off as the BGB metavolcanic and metasedimentary panels were thrust imbricated and accreted to the Wabigoon subprovince during closure of the Quetico basin. These boundaries are often major fault breaks, which can host large gold resources as is found further to the east in the Abitibi Greenstone Belt (partial extraction from Toth, PhD thesis, 2019).

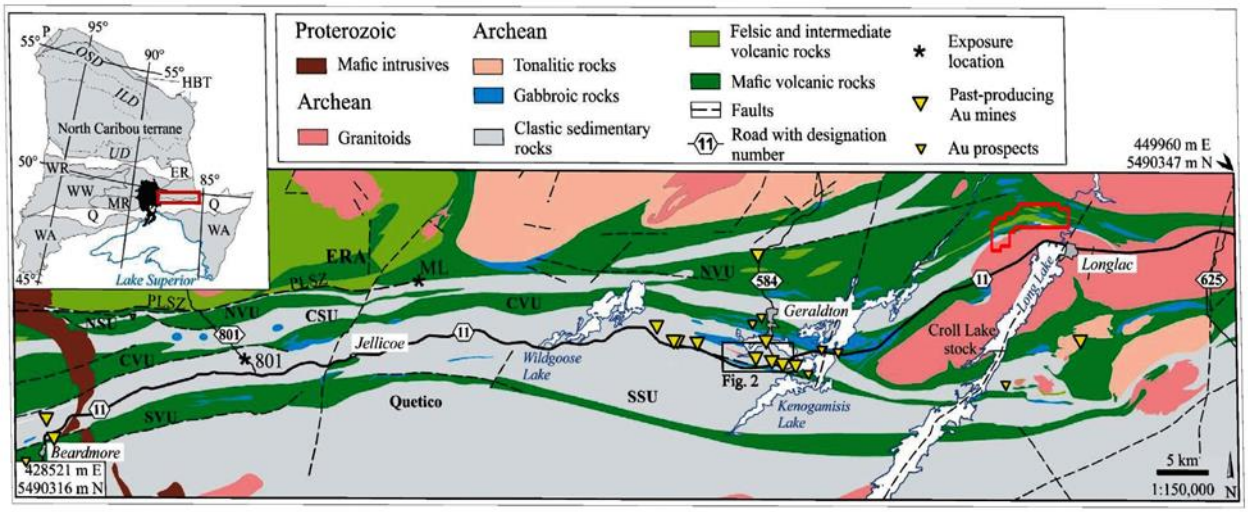


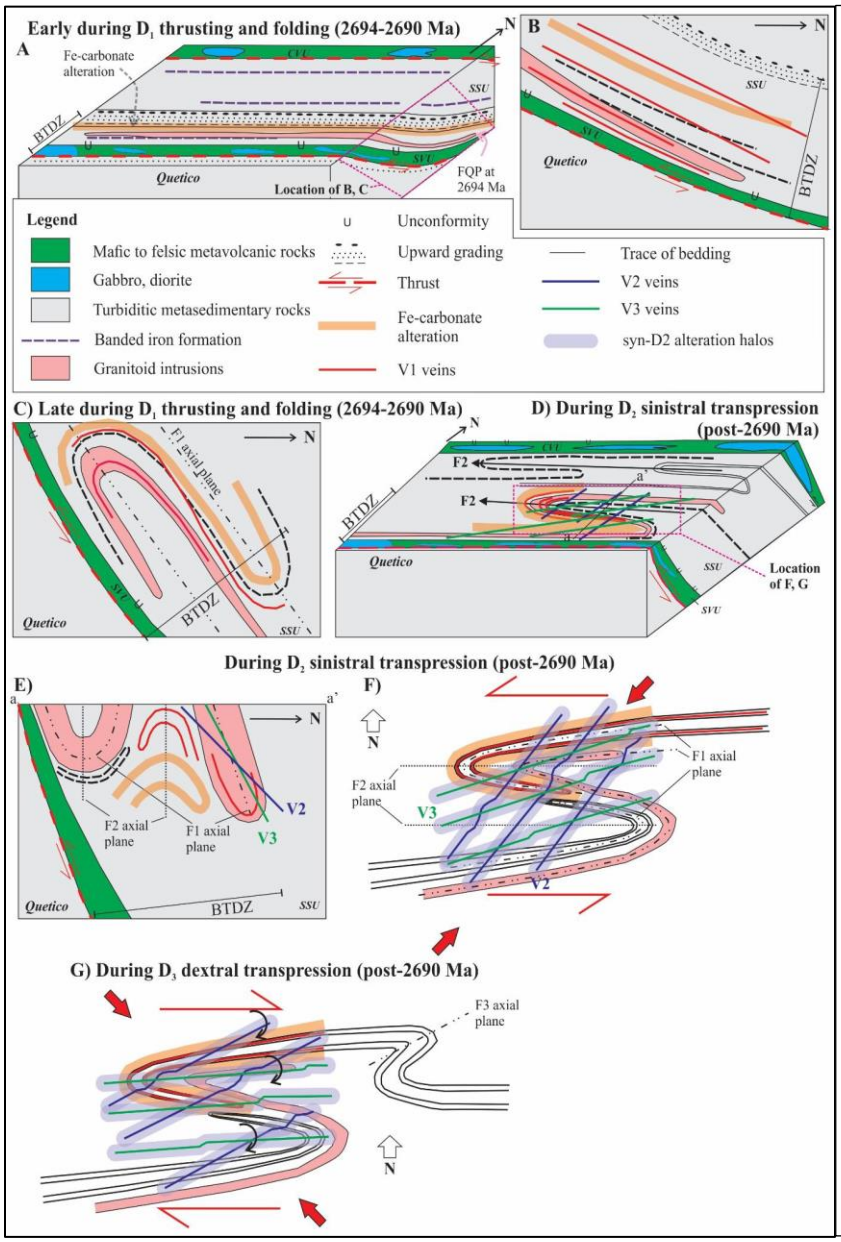
Figure 3 Regional Geology of the Beardmore Geraldton Greenstone Belt showing the series of metasedimentary and metavolcanics panels (from Toth, 2019 modified after Lavigne, 2009).

The sediments are comprised of Precambrian turbidite assemblages with interbeds of banded iron formation and lesser mafic volcaniclastic (Kresz & Zayachivsky, 1991). Semi-conformable sills of diorite/ gabbro, including quartz and quartz-feldspar porphyry intrude these formations.

Local and belt scale faulting has produced intense ductile deformation of the rocks in the Geraldton area, which is manifested as isoclinal, generally upright, poly harmonic folding of major lithologic units, penetrative deformation, folding and boudinage of veins. The degree of deformation is highly variable over relatively short distances; strain partitioning with different degrees and styles of deformation is apparent in deformed rocks that is dependent on both primary lithology and proximity to the Bankfield-Tombill Fault. The Bankfield-Tombill traverses the south edge of the belt and bifurcates around the Kroll Lake Stock which is dated at 2690 Ma The property is dominated by a series of sedimentary units that have an approximate east-west and subvertical orientation.

At the Hardrock Deposit to the west of Oakes the majority of these units are greywacke, arenite or oxide facies iron formation. Minor conglomerate and argillite rich units are also found. BIF units are locally tightly folded, attenuated or boundinaged, individual units can in some cases be traced for hundreds to thousands of metres along strike. Intrusive rocks include felsic intrusive, notably the Hard Rock Porphyry, diorite, gabbro, and diabase dykes. Even though it is tightly folded and the contacts between it and the sedimentary units are often highly deformed, the general scale and folding pattern of the porphyry very

closely matches the geometry of the conglomerate unit that occurs in the vicinity of the Hard Rock and MacLeod Cockshutt Mines.



A) 3D block model and;

B) cross-section of the emplacement of early bedding-parallel Fe-carbonate alteration and quartz carbonate V1 veins during D1 thrusting and folding event;

C) Folding of the early bedding-parallel Fe-carbonate alteration and quartz-carbonate V1 veins later during the D1 event;

D) Block diagram;

E) cross-section;

F) map view of syn-D2 events: Overprinting of F1 folds by S-shaped F2 folds during D2 sinistral transpression; Emplacement of quartz-tourmaline V2 veins, rotation of the veins, and emplacement of quartz-carbonate V3 veins later during the D2 event;

G) Map view of syn-D3 events: Rotation and stretching V2 and V3 veins and formation of F3 flanking structures adjacent to the veins during D3 dextral transpression.

Figure 4: from Toth, 2019. Schematic model for the emplacement of V1 to V3 veins.

As discussed briefly in Section 7 there are a number of old gold mines and deposits in the BGB. These deposits are described as orogenic being structurally controlled and associated with Archean tectonics. As in other greenstone belts worldwide the BGB is a known gold producer with some very high-grade deposits. These deposits are typically hosted in shears and can be associated with larger folds which restrict, confine and can concentrate gold mineralisation. At Oakes as at the Hardrock Deposit the folding in isoclinal and plunging gently to the west (10-30°). The evidence of folding can be seen best on oxidized

Figure 5: Deformation style seen at Oakes and at the Hardrock deposit to the west.

surfaces within the complementary parasitic folds which are small enough to be seen in the field. Larger shears in the BGB are generally east-west parallel to the belt but there are also northeast trending faults which can be mineralized. Folding at Oakes and elsewhere in the district is a very important concentrating phenomena for gold concentration.

5.2 Project Geology

Targeting on the Oakes Project and in the belt has focused on the steeply dipping, brittle-ductile shear zones which can cut several lithologies, and show different metamorphic grades, and alteration styles. The shear zones at Oakes typically strike east-west subparallel to geological boundaries. The host rock in the project area comprises Archean-aged, meta-volcanics part of the larger BGB where bedrock appears to wrap northward around the Croll Lake Stock, like the structural styles of Abitibi gold camps in Eastern Ontario.

Specifically, the bedrock comprises a suite of felsic, intermediate, and mafic volcanics with gabbroic sills. Volcanic rock types include rhyolitic and andesitic flows, tuffs, pillow basalts and breccias, chert, iron formation, metasedimentary and intrusive rocks. The more mafic units include basaltic and andesitic flows, tuffs and pillow basalts. Metasedimentary rocks seen on the property consist of greywackes within finer and coarser intercalated units. The Kroll Lake Stock comprises diorite through to granodiorite and syenite. The youngest bedrock includes the northwest trending diabase dikes which are noted throughout the property and region.

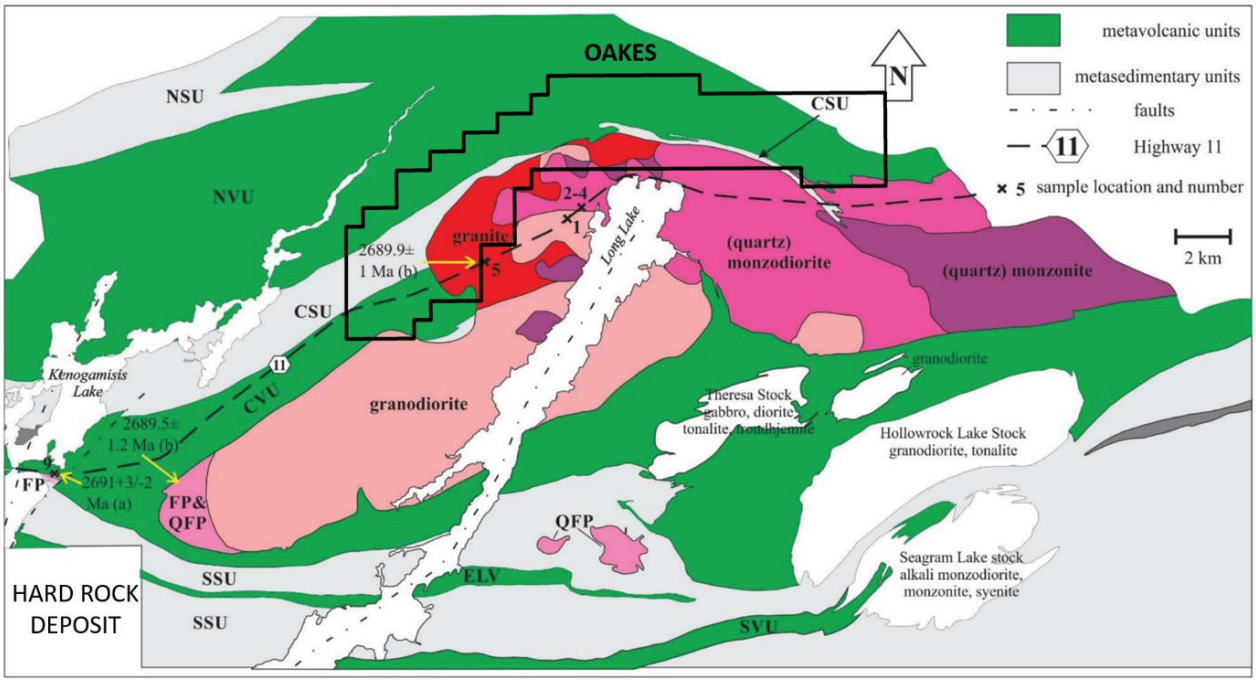


Figure 6: Geology at the Oakes Project, showing the Kroll Lake Stock and Northern Volcanic Unit (NVU) and Central Sedimentary Unit (CSU), Kresz and Zayachivsky, 1988.

5.3 Mineralization

The Beardmore-Geraldton Greenstone Belt has produced about 4.1 million ounces of gold and retains gold resources of several million ounces. Gold mineralisation within the belt generally occurs in association with subvertical structures associated with quartz veins or stringers, minor to semi-massive sulphides (associated with replacement zones in BIF), weak to moderate carbonate and weak to strong sericite alteration. Structural 'traps' such as nose folds are noted at Oakes as at Geraldton and elsewhere in the belt. At Oakes these structures in addition to east-west trending shears remain the best features to focus on for gold mineralization. The metamorphosed mineralized zones are marked by silicification and sulphide mineralization including pyrite, pyrrhotite, galena and arsenopyrite found along contact zones or cross-cutting structures. These mineralized contact zones have been defined by past VLF/Mag surveys and further refined by follow-up IP surveys. Follow-up trenching confirmed the presence of gold corresponding with the IP anomalies. In 2019 Susanna Tóth of Laurentian University published several papers as part of her PhD thesis proposing a hypothesis on mineralization within the BGB. Tóth states that multiple phases of hydrothermal alteration, vein emplacement and gold mineralization (and/or remobilization) took place during the complex deformation events recorded by the rocks in the Geraldton area as is observed on the Oakes Project.

Iron-carbonate alteration and gold-mineralized quartz-carbonate veins surrounded by sericite carbonate-pyrite alteration halos were emplaced parallel to bedding and folded by F1 folds, suggesting a pre- or early-D1 deformation mineralizing event. Another set of bedding-parallel veins were boudinaged during D1 deformation and then folded during D2 deformation, supporting a pre- or early-D1 hydrothermal episode.

Auriferous quartz-carbonate veins folded by F2 folds may indicate that emplacement was prior to, or early during D2 deformation. Sulphide mineralization (or remobilization) occurred along northwest-striking tension gashes composed of quartz-pyrite. Even though these sulphide-mineralized northwest-striking veins emplaced during D4 deformation (i.e., the tension gashes) are not yet proven to carry gold, previous studies described similar, auriferous northwest-striking veins in the western part of the belt (DeWolfe et al. 2007), which suggest the possibility of another gold mineralization (remobilization) event. Sulphides emplaced into D4 dextral shear bands are noted at the Tombill–Bankfield fault exposure, suggesting syn-D4 emplacement (Lafrance et al. 2012). Based on field relationships described by Toth large-scale

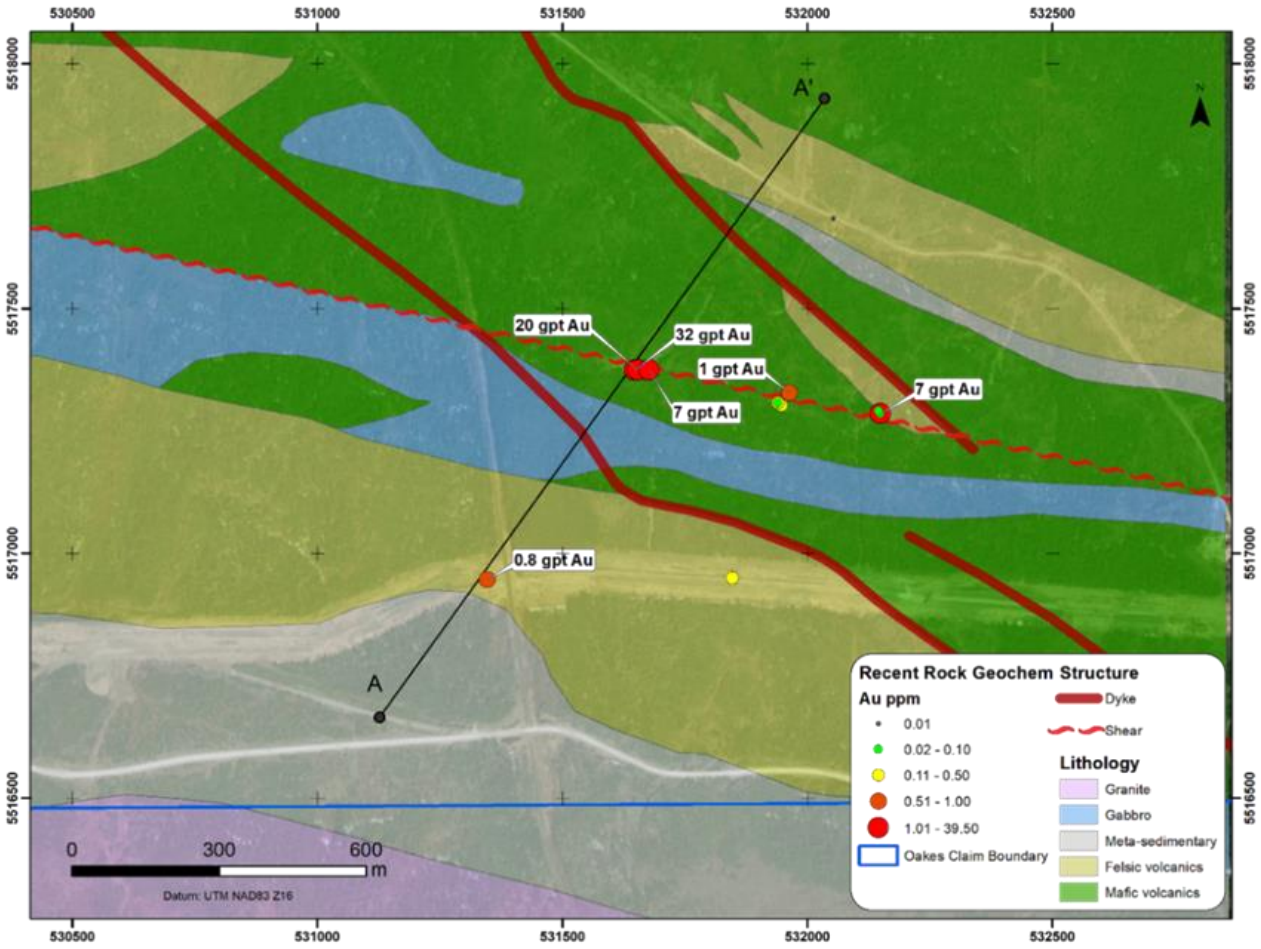


Figure 7: Bedrock geology of claim 702842 covering the HG Zone and the area of IP Geophysics.

distribution of gold it was inferred that (pre- or early-D1) gold-bearing hydrothermal events were followed by a secondary, plausibly dominant, early- or syn-D3 mineralizing event (Toth, 2019). Mineralization at Oakes is found in rusty shears but is also seen in relation to folds as is noted at the Hardrock deposit. In Photos 1 and 2 we can see the strongly foliated and folded mafic volcanic rock. Some of the bedrock in this area shows pillow but is generally structurally complex and primary features are difficult to see. Riverside assays from this portion of Trench #1 returned 7 g/t over 1m.

6 Deposit Types in the Beardmore Geraldton Greenstone Belt

The Beardmore Geraldton Greenstone Belt hosts a number of gold deposits which are broadly grouped as orogenic gold deposits. These deposits are typically silver and copper poor. Most of the deposits are described as shear hosted and are associated with folding and/or faulting. Some deposits like the Leitch deposit near Beardmore would be described as vein hosted. The deposits in the Beardmore Geraldton area as at Leitch can be very high grade in the ounce per ton range. More recently Greenstone Gold has defined a larger open pit deposit which possesses high grade shoots and disseminated or lower grade material over a larger area at the Hardrock Deposit in Geraldton which hosts over 6M+ ounces of gold. Greenstone Gold was bought out by Equinox Gold in 2021 and completed a feasibility study and made a decision to begin mining. Table 2 below from Premier Gold's website shows resources from a 2013 technical report. Subsequent reports show different resource numbers.

Table 2: Hardrock Deposit Mineral Resource Summary (2013)

Cut-off Category	Resource Category	Tonnes (Mt)	Gold (Au) Grade (g/t)	Au Ounces (Mozs)
Open Pit (O/P)	Indicated (I)	50.228	1.46	2.352
	Inferred	17.793	1.50	0.859
Underground (U/G)	Indicated (I)	5.522	5.01	0.889
	Inferred	16.919	5.38	2.925
Combined	Total Indicated	55.750	1.81	3.241
	Total Inferred	34.712	3.39	3.784

Two feasibility studies have been conducted since 2013. Greenstone Gold the current holder of the project states on their website that they plan to develop and operate the project as an open pit with a life of mine of 14.5 years which will produce 4.2 million ounces of gold at 1.02 g Au/t. Greenstone Gold Mines proposes to mine the Hardrock deposit as an open pit over a Life of Mine (LOM) of approximately 15 years. Project infrastructure will include a process plant operating 365 days per year and a mill with throughput averaging 27,000 tonnes per day. There are a number of past producers in the belt and has a long mining history having produced 4.1M ounces of gold primarily between 1935 and 1968.

Table 3: Gold and Silver Production in the Beardmore-Geraldton Area (OGS, OFR 5538)

MINE	Ounces Gold	Ounces Silver	Tons of Ore Milled	Grade Gold (oz/t)	Grade Silver (oz/t)
Bankfeild	66,417	7,590	231,009	0.29	0.03
Northern Empire	149,493	19,803	425,866	0.35	0.05
Hard Rock	269,081	9,009	1,458,375	0.18	0.01
Jellicoe	4,238	145	10,620	0.40	0.01
Leitch	847,690	31,802	920,745	0.92	0.03
Little Long Lac	605,499	52,750	1,780,516	0.34	0.03
McLeod-Cockshutt	1,475,728	101,388	10,337,229	0.14	0.09
Maget Consl.	152,089	16,879	359,912	0.42	0.05
Mosher Long Lac	330,265	34,604	2,710,657	0.12	0.01
Orphan	2,460	1,558	3,525	0.70	0.44
Sand River	50,065	3,628	157,870	0.32	0.02
Sturgeon	73,438	15,922	145,123	0.51	0.11
Talmora Long Lac	1,417	36	6,634	0.21	0.01
Tashota Nipigon	12,356	14,527	51,200	0.24	0.28
Thersa	4,785	202	26,120	0.18	0.01
Tombill	69,120	8,595	190,622	0.36	0.05

The Leitch Mine near Beardmore is a high-grade past producer: 920 thousand tons at 0.92 ounces/ton producing roughly 850 thousand ounces of gold. One of the larger past-producer in the belt was the MacLeod-Cockshutt Mine west of the Oakes Project which produced 1.5M ounces of gold. Closer to the Oakes Project the Little Long Lac mine produced 606 thousand ounces of gold from 1.8M tons grading 0.34 ounces (9.6 g/t) per ton. Table 4 below summarizes past production from Beardmore-Geraldton Gold Belt.

7 Exploration Work

In total Riverside took 60 rock samples from the Oakes project (see figure 15). Riverside's first phase of work included 29 rock samples taken from both outcrop and old trenches. This initial work showed that the bedrock exposed in the trenches excavated by Golden Chalice in 2010 produced the best results. This initial property wide reconnaissance sampling program included grab and chip samples from outcrops. The samples from the old trenches indicate gold mineralization is hosted within shear zones along contacts between mafic volcanics and gabbroic sills or felsic volcanics and less commonly with diabase dikes. The subsequent work by Riverside focused on determining the relationship between the older geophysics and geochemistry. In July 2019, Riverside channel sampled selective sections of the shear zones in Trench #1 finding sulphide mineralization that retuned encouraging gold values of 19.7, 31.9 g/t and 6.9 g/t (3 of 5 samples taken Trench 1). These channel samples were 0.5-1.0 m in length taken perpendicular to the strike of the shears using a rock saw.

GIS compilation of the historical data appears to show that one of the two holes drilled in 1993 may have intercepted the HG zone (represented by Trenches 3) at a depth of 117 m below the surface HG showing. Hole (GL-93-2) was drilled in 1993 before the 2010 IP survey to test a soil geochem anomaly of 880 ppb Au. Hole (GL-93-2) intersected a semi massive sulphide pod within a greater volume of quartz veins and silicification over an 8.2 m interval. One sample within this interval returned 9.1 g/t gold over 1.5m (Carmichael, 1993).

Following field sampling in 2019 compilation work by Riverside was completed in 2020, at which time an IP inversion study was completed on the 2010 survey (see Figure 9). The result from this work appears to indicate a complimentary geophysical trend showing a 900 m long chargeability anomaly. The anomaly corresponds well with historical VLF anomalies and with Riverside's surface rock sampling showing the mineralization is open to the east and west along strike.

A third phase of sampling work in October 2019 included taking 4 channel samples from Trench 2 and three samples from Trench 3. Four of these seven samples returned anomalous gold with one returning 6.84 g/t sample from Trench 3. Previous sampling in Trenches 1 through 3 by Golden Chalice had shown lower assays results for gold.

Riverside's assays consistently showed higher grades than the samples taken from the same areas in 2010. Golden Chalice crushed to -150 mesh, fire assayed and then digested using a 1:3 nitric to hydrochloric acid and analyzed using AAS on a 20-gram sample. Whereas Riverside crushed to a -150 mesh, fire assayed and then did a four-acid digestion and analyzed using ICP on a 50-gram sample. It is suggested that the better result with the larger sample is a function of the nuggety gold that can occur at the HG zone and that all future assaying consider this.

Figures 8 and 9 show that most of the more recent exploration work occurred on Riverside's claims 705852 and 548957.

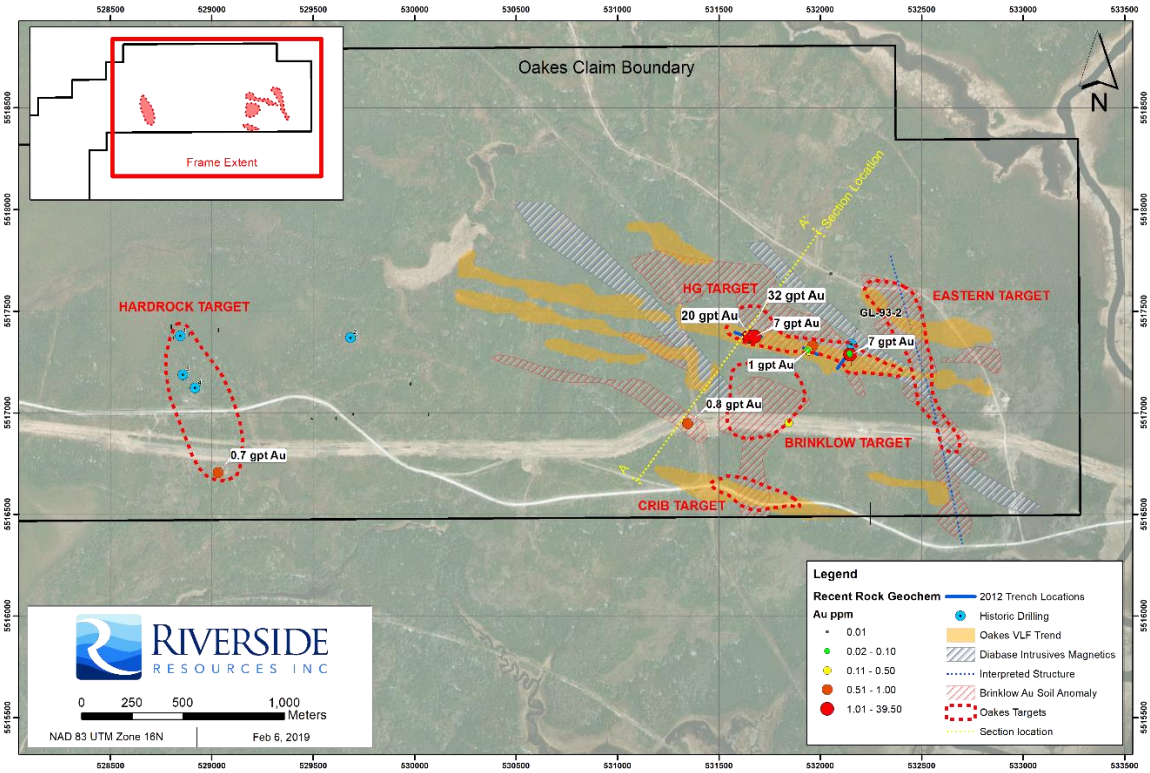


Figure 8: Compilation Map showing historic Geochem and VLF surveys

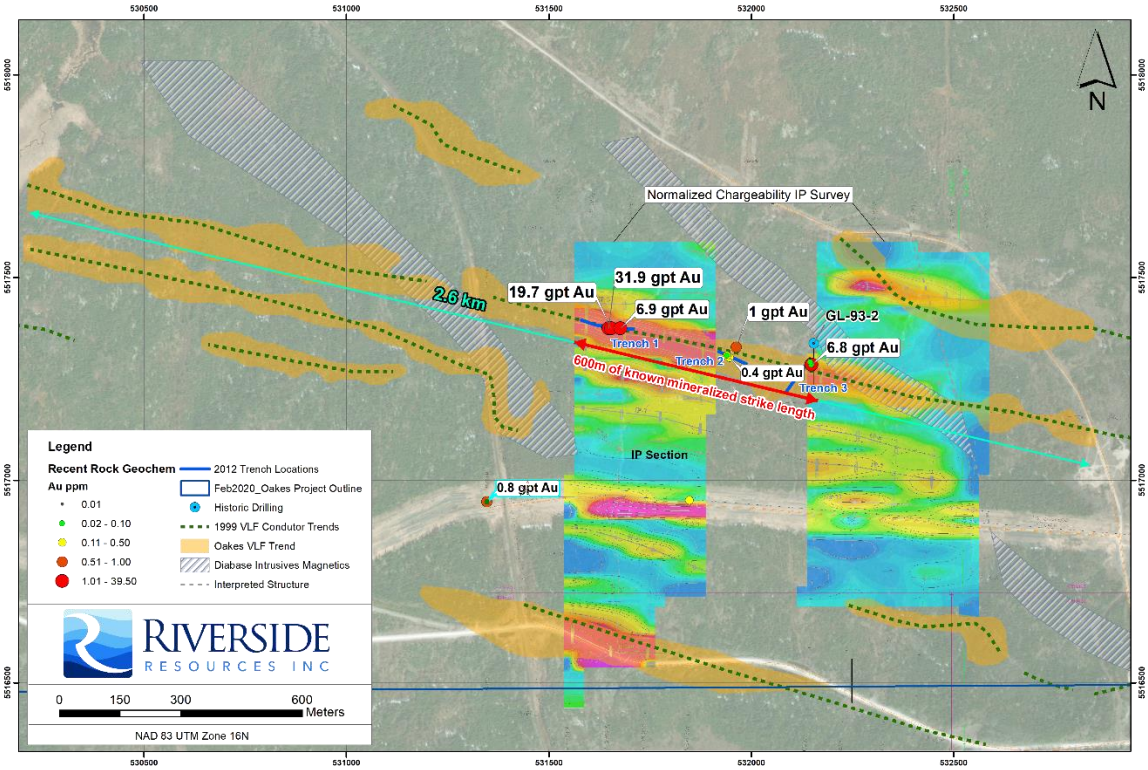


Figure 9: Compilation Map showing 2008 VLF and 2010 IP surveys

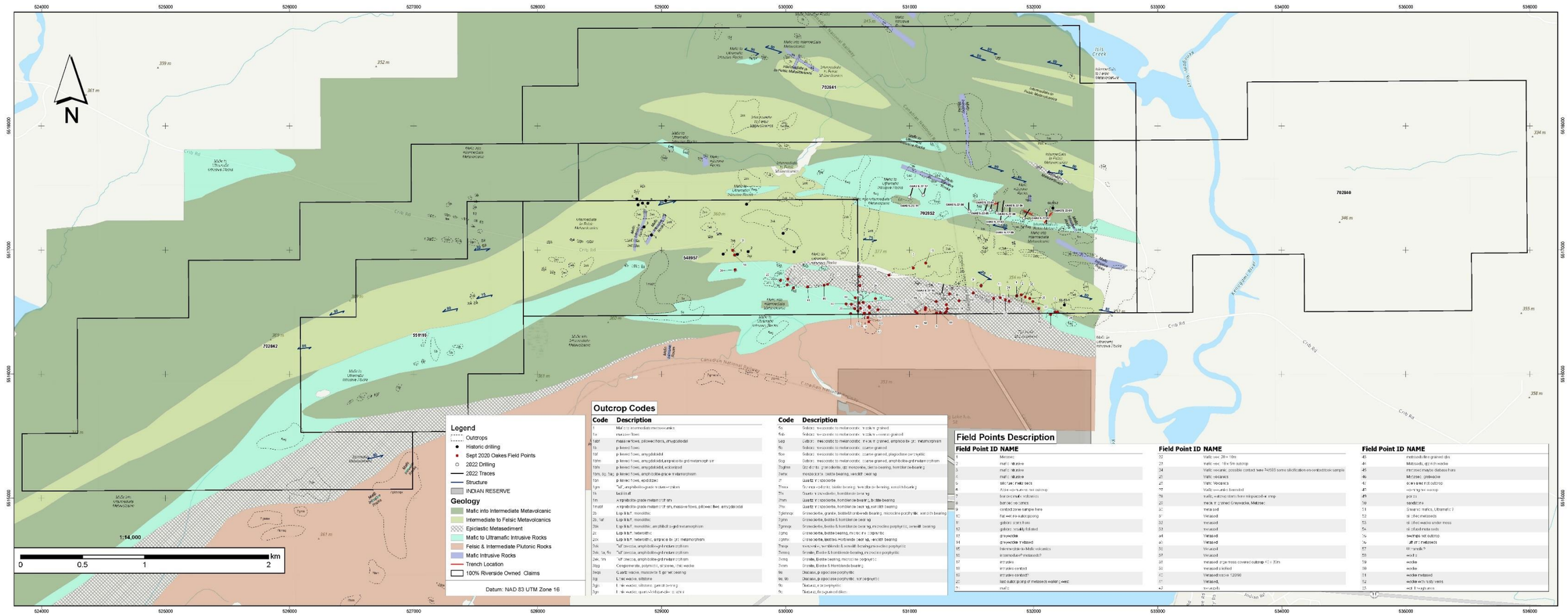


Figure 10: Property Geology map with outcrops mapping, sample sites, 2010 tenching and historic drilling. Geology base from Kresz, D.U., and Zayachivsky, B., 1988. Drilling from 2022 is reported separately.

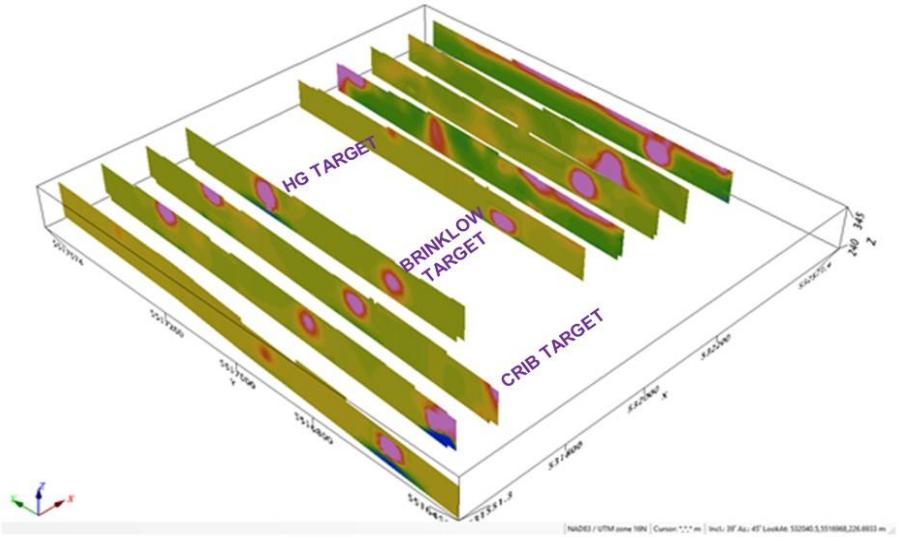


Figure 11: 2020 Chargeability Inversion model of the 2010 IP data, created by in3D in 2020.

In 2020 Riverside was limited to a short field season that included bedrock and outcrop mapping and included doing an inversion model on the 2010 IP survey. The inversion model shown above in Figure 11 is consistent with field observations in that the trend of the chargeability is what is noted in the field and in the instance of the HG Target corresponds well with the know mineralization and higher-grade gold assays. and inspired Riverside to expand the 2010 grid to the east and west in an effort to extend the strike of the know chargeability anomaly. Between July 5 and July 15, 2021, CDX Geophysics completed a total of 12-line kilometres of combination Pole-Dipole IP. This work consisted of 10 north-south cut grid lines. For details on Pole-Dipole Combo Array refer to appendix B for instrument specifications in the appended geophysical report. The pole-dipole combo survey configuration was used for this survey consisted of 11 mobile stainless steel read electrodes and one current electrode (C1). The nine potential electrodes were connected to the receiver by means of the "Snake." The power location C1 was maintained at 25m behind the read electrode, with C2 being located over two kilometres away. The combo array read electrodes had a 25m spacing to a depth of n=6 and a 50m spacing from n=7 through 10. A two-second transmit cycle time was used with a minimum number of receiver stacks of 10. The daily field quality control steps consisted of checking the ground resistances for each dipole, and corrective action was taken if they were too high. Each injection location was logged and recorded with a GPS.3. Generally, the last reading of each day was repeated the following day with field repeats were collected based on the operator's observations. In the office, processing of the data and quality control was done interchangeably. The steps included importing the data into Prosys III which was visually inspected for noise. A Cole-Cole window selection was used for this survey.

The gap between the two grids shown is where ethe 2010 IP grid is located and any outlier data was posted to the pseudosections; however, it was not used in the contouring. Inversions of the filtered data was done in RES3DINV. RES3DINV is a 3D inversion software specifically used for resistivity and induced polarization data. The following table provides a brief description of the anomalies as described in the 2021 Geophysical report.

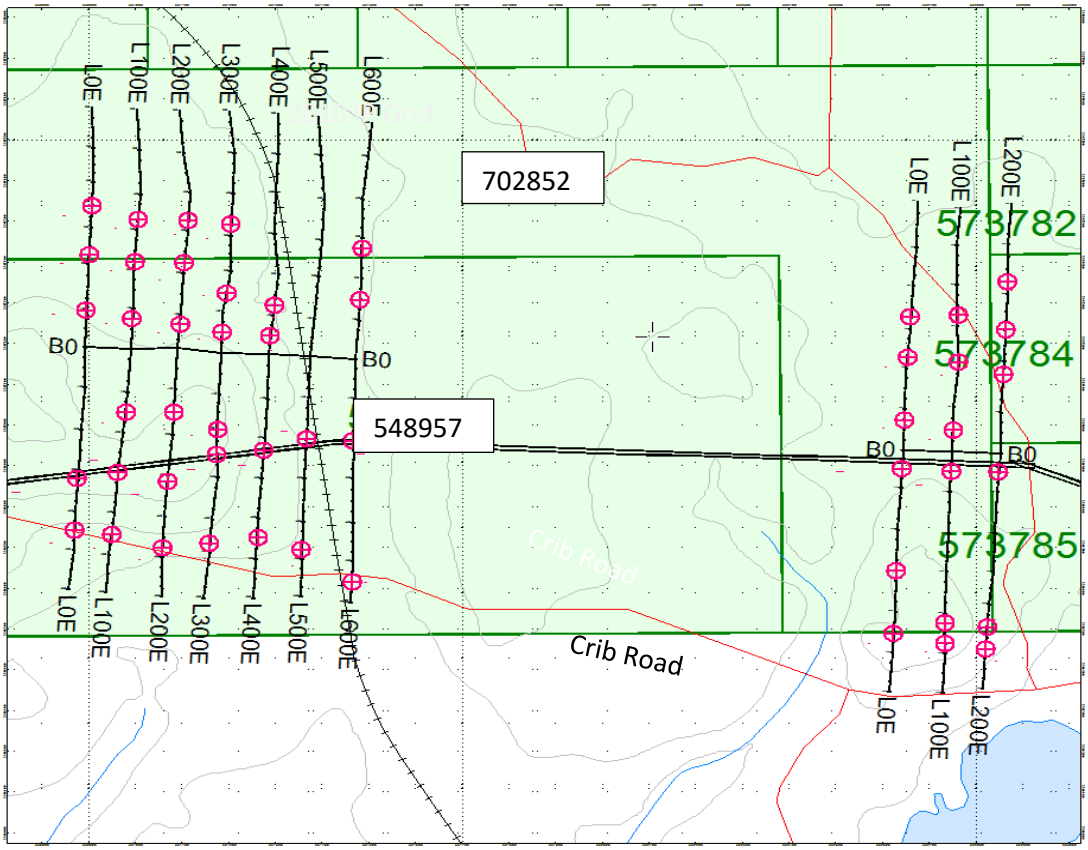


Figure 12: 2021 IP Grid showing anomalous stations

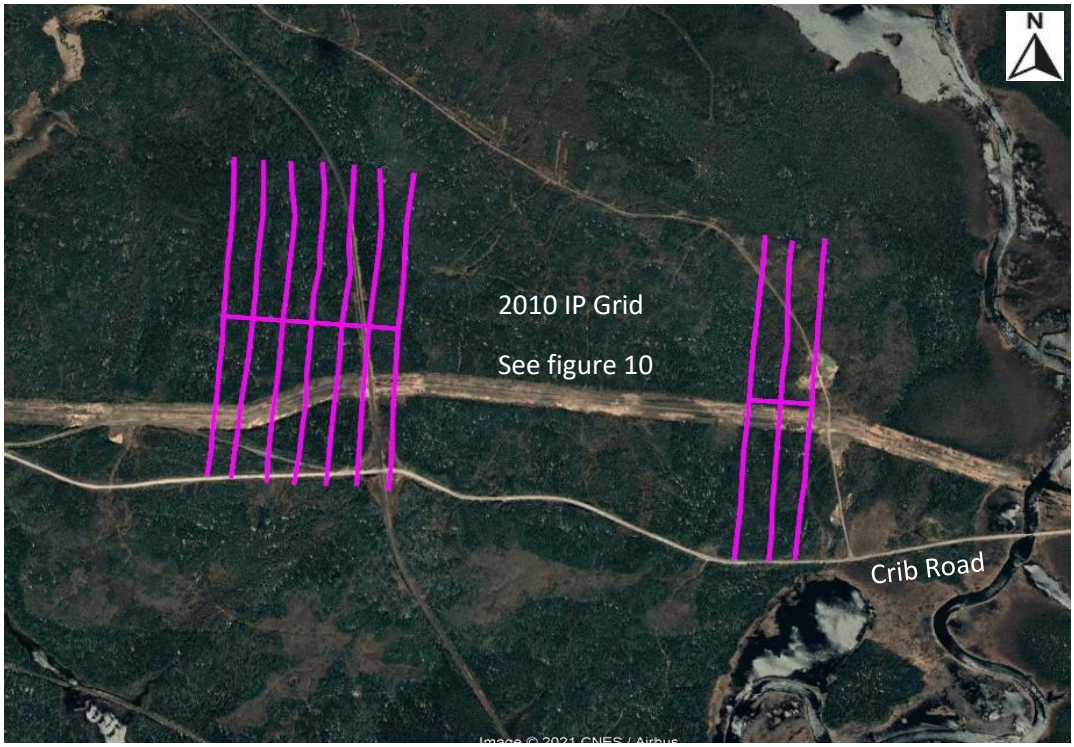


Figure 13: 2021 IP Grid map in purple

Table 4: East Grid- table provides a brief description of the anomalies

Line Number	Station	Chargeability	Resistivity	Anomaly Number	Priority
200E	425N	Weak	Low	A1	
	300N	Weak	High		
	175N	Strong	Low	**B1**	Trench
	50S	Strong	Low	Pipeline	
	450S	Weak	High	E1	
	500S	Moderate	Low	F1	
100E	325N	Weak	Moderate		
	200N	Weak-Moderate	Low	B2	
	50N	Weak	Low	C2	
	50S	Strong	Low	Pipeline	
	425S	Weak	High	E2	
	475S	Weak	Low	F2	
	325N	Weak	Low		
0E	225N	Moderate	Low	B3	
	75N	Weak	Low	C3	
	50S	Strong	Low	Pipeline	
	300S	Weak	High	E3	
	450S	Weak	Moderate	F3	

Table 5: West Grid- table provides a brief description of the anomalies (CDX report, 2021)

Line Number	Station	Chargeability	Resistivity	Anomaly Number	
600E	275N	Moderate	Low	B4	
	150N	Low-Moderate	Low	C4	
	200S	Strong	Low	Pipeline	
	550S	Strong	Low	F4-Road	
500E	200S	Strong	Low	Pipeline	
	475S	Strong	Low	F5	
400E	125N	Moderate	Low	C6	
	25N	Weak	Low	D6	
	225S	High	Low	Pipeline	
	450S	High	Low	**F6**	Trench
300E	325N	Moderate-High	Moderate	**B7**	Trench
	150N	Moderate-High	Low	**C7**	Trench
	50N	Weak	Low	D7	
	200S	Weak	High	E7	
	250S	High	Low	Pipeline	
	475S	Moderate	Low	F7	
200N	325N	Moderate	Low	**B8**	Trench
	200N	Moderate	Low	**C8**	Trench
	75N	Moderate	Low	D8	
	150S	Weak	Moderate	E8	

	350S	Strong	Low	Pipeline	
	475S	Strong	Low	F8	
100N	325N	Moderate	Low	B9	
	225N	Moderate	Low	C9	
	75N	Moderate	Low	D9	
	150S	Weak	Moderate	E9	
	300S	Strong	Low	Pipeline	
	450S	Strong	Low	**F9**	Trench
0N	350N	Moderate	Low	B10	
	225N	Strong	Low	C10	
	100N	Moderate	Low	D10	
	350S	Strong	Low	Pipeline	
	425S	Strong	Low	F10	

Chargeability trend F appears to follow a decommissioned road corridor indicating that trend F may be anthropomorphic and associated with the road corridor. Several of the trends appear to be located in zones of contact between geological units and may be a result of interflow sediments within the volcanic pile. The signature to anomalies B1, B7, B8, C7, C8 F6 and F9 are associated with bedrock. The merging of the two grids from 2010 and 2021 shows good agreement and highlights the same geological features. In November of 2021 the entire grid was traversed to assess the IP results. The anomalies that trend roughly at 100-110 degrees were noted to be associated with mineralization and are valid targets.

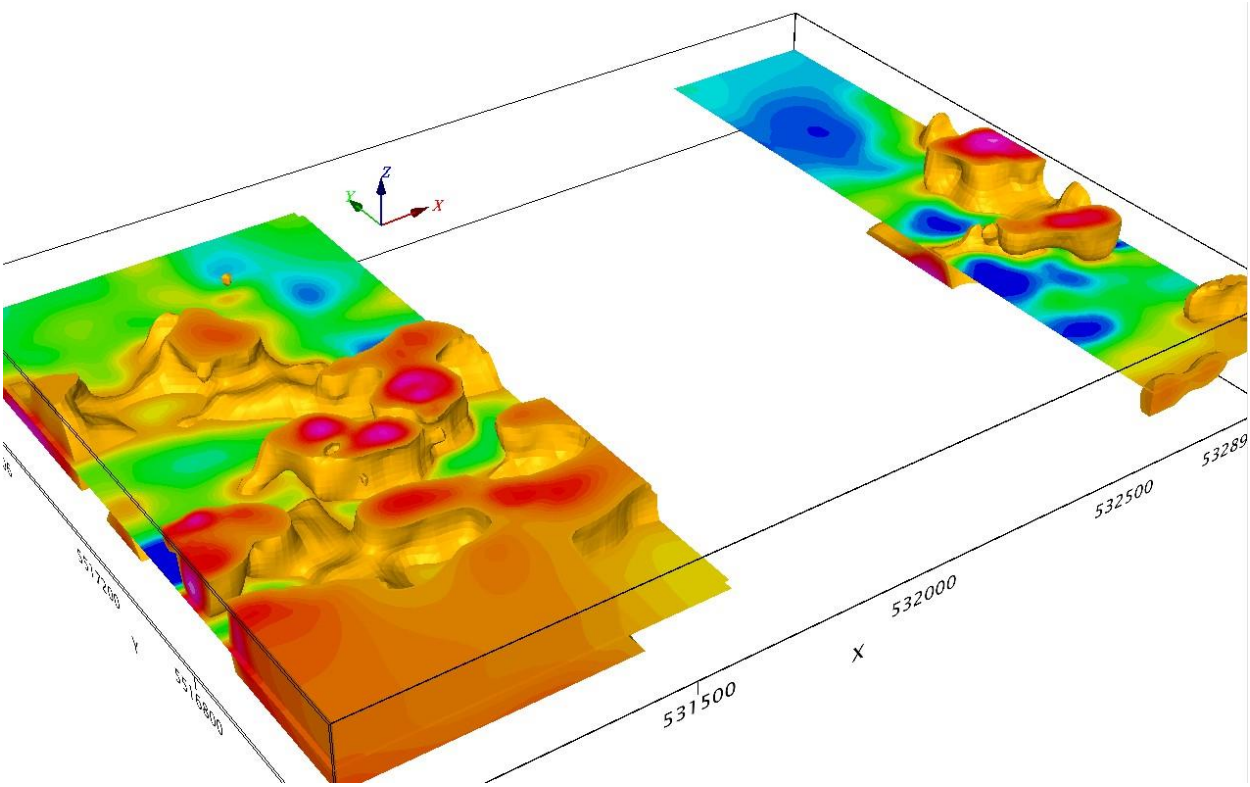


Figure 14: Chargeability Inversion Model on the 2021 IP Grid

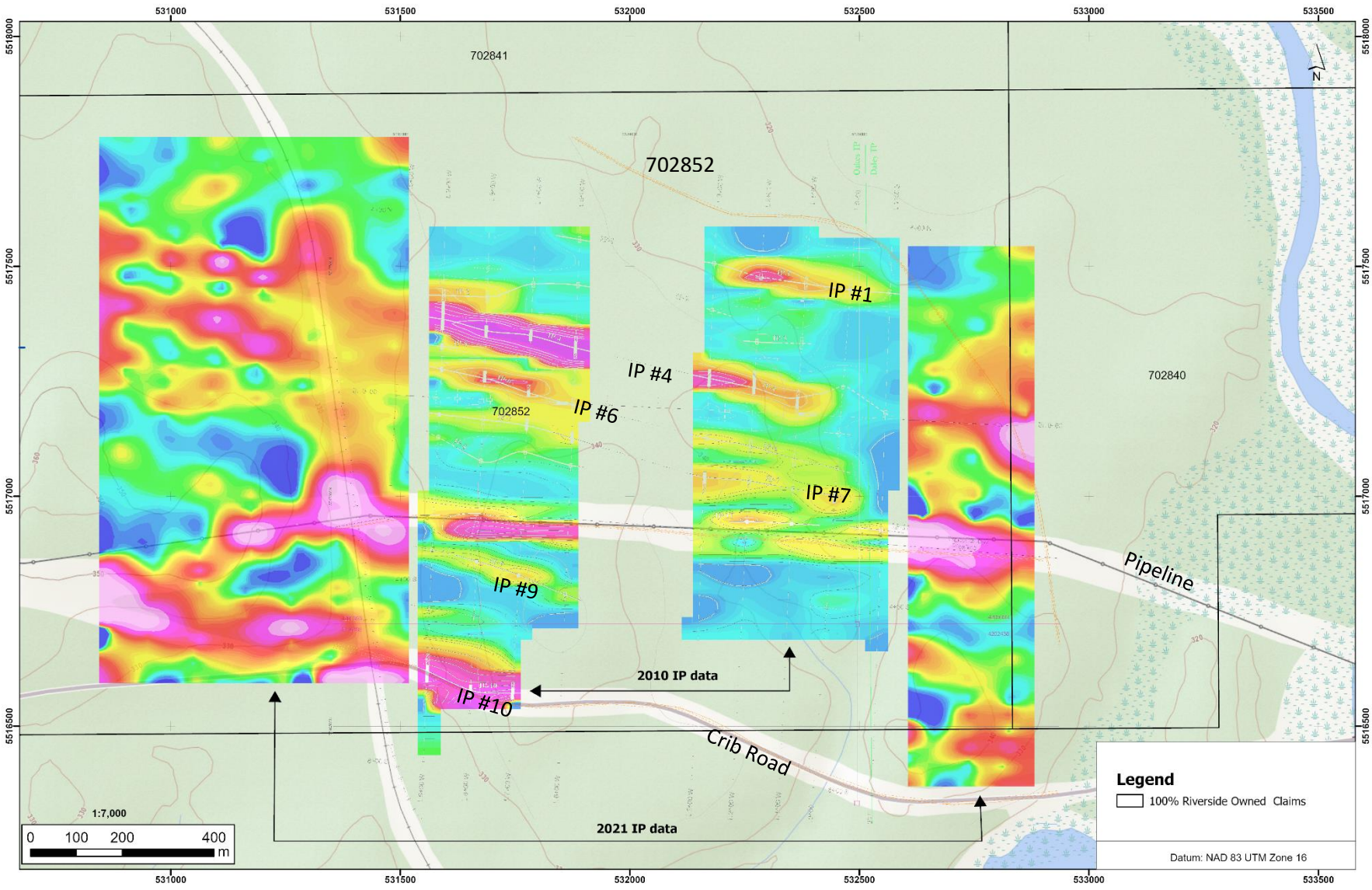


Figure 15 Merged 2010 and 2021 IP grids showing good continuity between the surveys. IP anomalies numbers from Géosig Inc. 2010

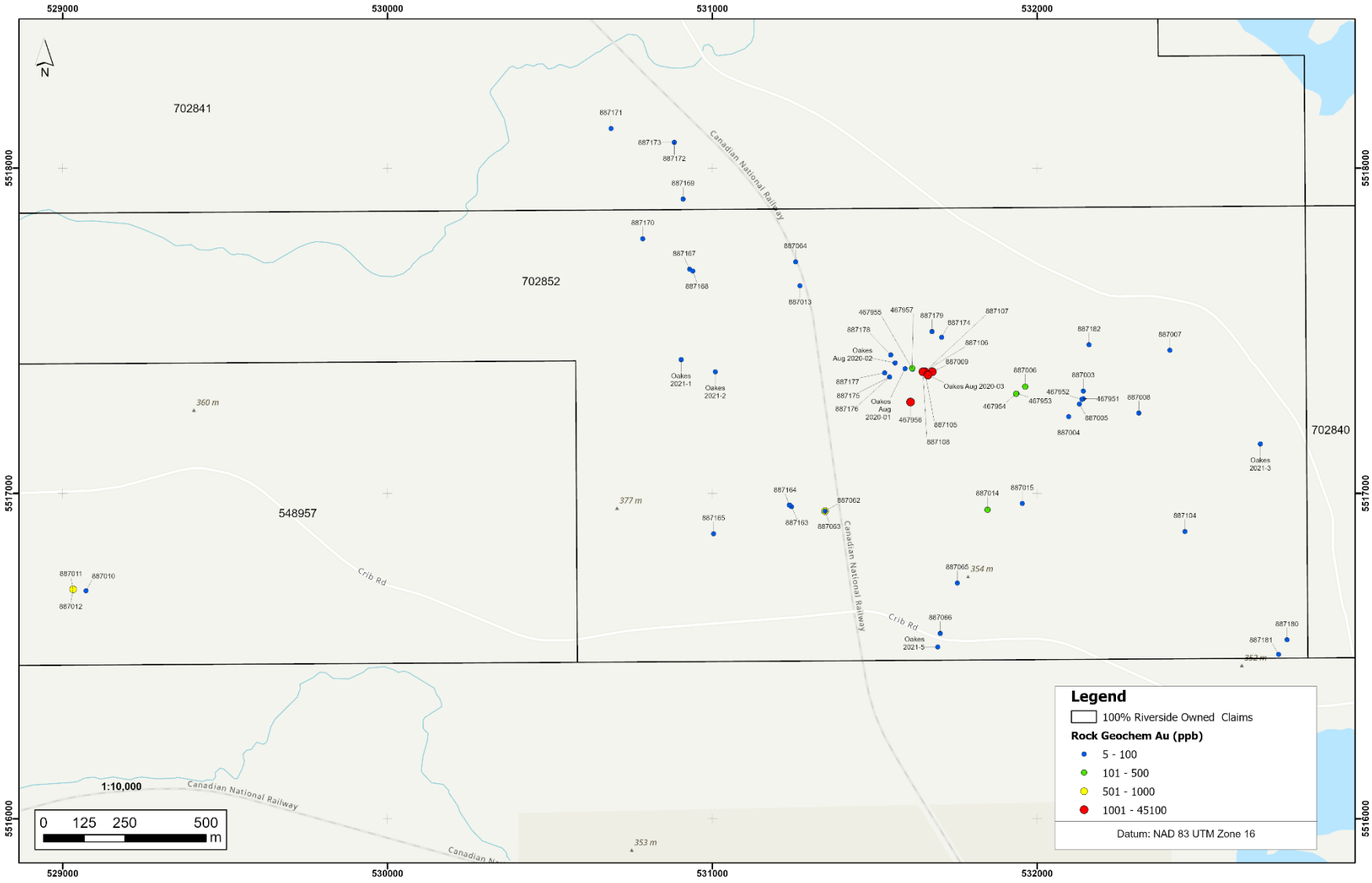


Figure 16 Riverside sample sites shown with sample number and gold assays (ppb). See separate sample description spreadsheets for details.

7 Interpretations and Conclusions

Historic work in the 50's and 70's was not done to todays standards and is useful as background information only. The drilling in 1993 and subsequent work by others focused on the eastern portion of the property and is considered useful and relevant. The more recent work has been successful in delineating gold mineralization. Past geophysics suggested there are east-west mineralized zones within shears along geological unit boundaries. Riverside sampling indicates that gold is associated with sulphides primarily pyrite in shear zones that have been effectively highlighted by VFL and IP geophysical surveys.

Trench sampling the *HG target* suggests that gold mineralization exists over 600 m along strike. There are large gaps in-between trenches which have not been sampled or tested as surface clearing is required in this low-lying terrain.

The 2021 IP survey occurred in an area of extensive anthropomorphic activity which resulted in SP values of 15+ volts however the survey was still able to define six IP trends. Most of these trends appear as linear chargeability highs and resistivity low features most of which have already been identified by trenching and sampling.

In 2021 *IN3D Geoscience* was retained to create an inversion model merging the raw data from the 2010 and 2021 IP surveys. The survey although only testing shallow levels was able to define 3 east-west trending anomalies that coincide well with the VLF anomalies and with the sampling completed by Riverside in Trenches 1 to 3 which show high grade gold associated with pyrite mineralization. This work seems to validate the surface sampling which shows intermittently over 600m a highly altered shear zone at the contact between gabbroic and mafic volcanic rocks.

The Oakes Project has several bonified targets; the HG Target being the most worked up at this point. Geophysics and geochemistry have defined several linear contact-controlled shear zones with mineralization, namely pyrite and gold. Gold to date seems to be always associated with pyrite mineralization that appears to be readily identified by induced polarization geophysical surveys.

8 Recommendations

A detailed ground mag survey over both grid areas would help identify the more favorable chargeability anomalies. The signature to IP anomalies B1, F6, B7, C7, B8, C8 and F9 (see tables) indicates that these areas are likely subcrop. If the culture and terrain in theses areas permits, these anomalies should be stripped to better determine their source. The extension of the IP grid shows numerous chargeability trends consistent with the previous work, stripping and sampling should be conducted in these areas defined on Figure 15.

The HG zone around Trenches 1 to 3 has been explored to the extend that diamond drilling would be the logical next step. A first phase program between 1500-2000m should be enough to adequately test the HG Target. Drilling in conjunction with stripping and channel sampling along trend to the west would likely generate more quality drill targets assuming the first phase is successful in defining gold mineralization.

9 References

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18. Tóth, Z., 2019 *The Geology of the Beardmore-Geraldton belt, Ontario, Canada: geochronology, tectonic evolution, and gold mineralization*. A thesis submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy (PhD) in Mineral Deposits and Precambrian Geology, The Faculty of Graduate Studies, Laurentian University, Sudbury, Ontario, Canada.

APPENDIX A: CERTIFICATE OF AUTHOR

I, Freeman Smith, P.Geo., as an author of this report regarding the exploration project in the Thunder Bay Mining District, Northwestern Ontario, Canada; do hereby certify that:

1. I am a consulting geologist at Omni Resource Consulting Ltd. of Port Moody, BC, Canada, V3H 0G6

2. I have B.Sc. degree in Geology from the University of British Columbia, 1991.

3. I am registered as a Professional Geologist in BC (License #: 100829).

4. I have been practicing as a professional since 1999 and have over 20 years of experience in mineral exploration.

5. The exploration work was carried out under my supervision, and I was on site through the duration of the project.

Dated April 17th, 2022

"Freeman Smith"

Freeman Smith, P.Geo.

APPENDIX B: LIST OF PERSONNEL WORKED ON EXPLORATION WORK

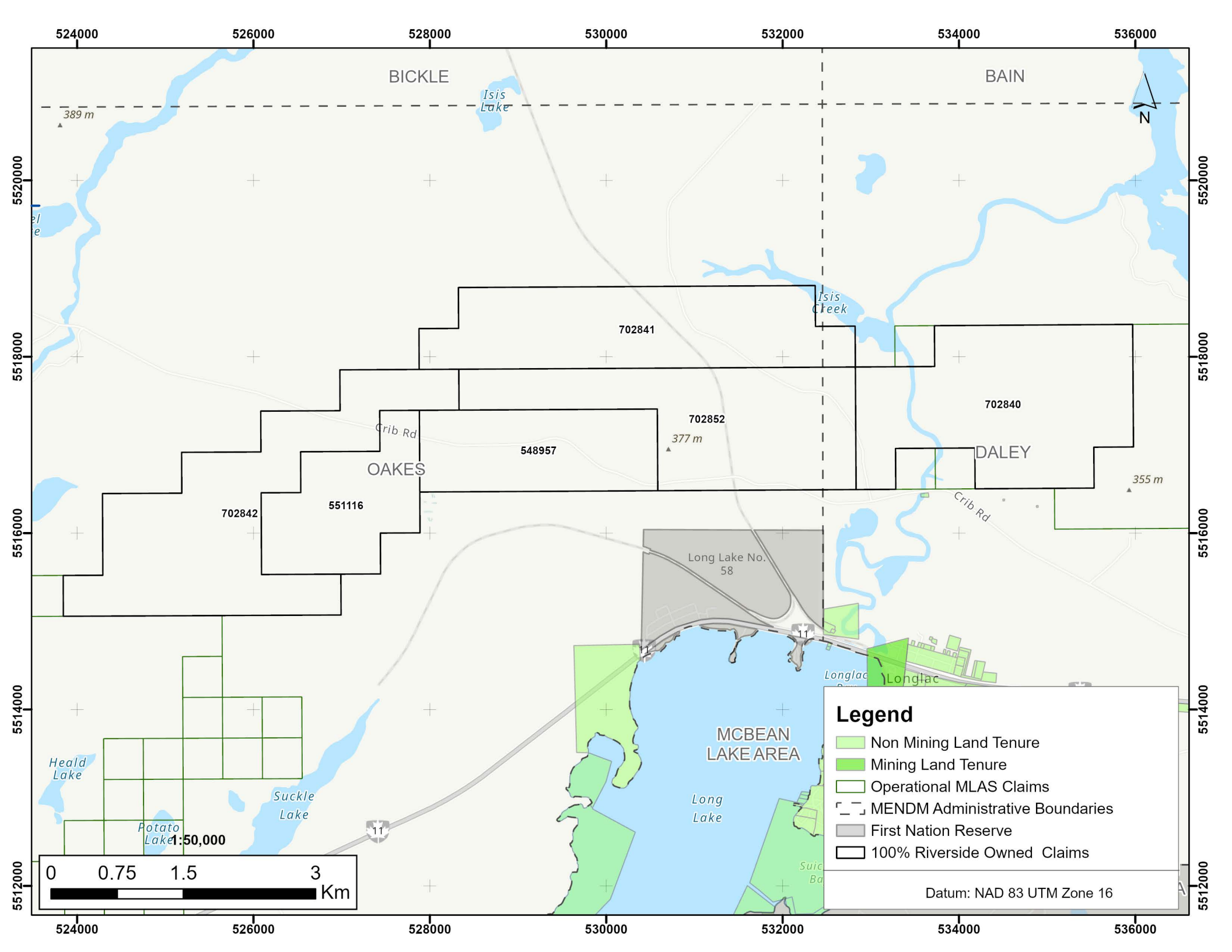
List of Contractors Involved on the Project

1. Alexander Pleson, P.Geo., Geologist of Nipigon, ON (Pleason Geoscience)
2. Freeman Smith, P.Geo., Geologist of Port Moody, B.C. (Riverside)
3. Ramin Ghaderpah, Geologist of Thunder Bay, ON (Pleason Geoscience)
4. Ted Cox, Geophysicist of Beardmore, ON (Pleason Geoscience)
5. Brad Goodman, Prospector of Beardmore, ON (Pleason Geoscience)
6. Will Gregorash, Geologist of Thunder Bay, ON (Pleason Geoscience)
7. CDX Geophysics of Larder Lake, ON: Bruce Lavalley, Claudia Moraga, Neil Jack, Tyler Peddie, Richard Bates, Jacob Morin, Gunhee You, C. Jason Ploeger, P.Geo.
8. Elena Rein, GIS mapping work, B.C. (Riverside)
9. Ben Connor, GIS, data compilation work, Figure preparation, B.C (Riverside)
10. Todd Ballantyne, P.Geo. Principal Geophysicist at in3D Geoscience Inc., BC

Date from	Date to	# of Days	Personnel	Task
27-May-19	8-Jun-19	20	Freeman Smith	Fieldwork, mapping sampling
27-May-19	6-Jun-19	9	Pleson Geoscience	Fieldwork, mapping sampling
27-May-19	31-Oct-20	12	Elena Rein	Map creation, GIS work
22-Jul-19	26-Jul-19	10	Freeman Smith	First nations meeting, assay review
19- Aug 1	Aug 30-2019	20	Freeman Smith	Fieldwork
19- Sept 1	Sept 30 2019	20	Freeman Smith	Field work, FN meetings
19-Oct 16	19-Oct 31	10	Freeman Smith	Fieldwork
19-Nov-19	17-Dec-19	20	Freeman Smith	2019 Compilation and analysis
31-Oct-19	3-Nov-19	4x5	Pleson Geoscience	Fieldwork, trench sampling
20-Feb-20	25-Feb-20	5	Todd Ballantyne	IP Inversion work
20-Apr-20	24-May-20	10	Freeman Smith	Reporting
25-Aug-20	1-Sep-20	9	Freeman Smith	Field work, mapping and sampling
26-Jun-21	6-Jul-19	9	Freeman Smith	Field mapping and sampling
26-Jun-21	6-Jul-19	11x5	Pleson Geoscience	Line cutting IP Grid
8-Jul-21	18-Jul-21	10x4	CDX Geophysics	IP Survey
1-Sep-21	31-Dec-21	24	Ben Connor	GIS work, compilation and targeting
3-Nov-21	31-Dec-21	10	Freeman Smith	IP Field review, rock sampling, AR report writing

APPENDIX C: STATEMENT OF EXPENDITURES 2019-2021

Assays	$ 6,228.20
Equipment & Rentals	$ 3,261.41
Accommodations	$ 4,944.42
Travel	$ 12,849.67
Consulting	$ 34,961.24
Food & Meals	$ 5,278.24
Professional Fees	$ 70,124.45
IP Geophysics	$ 92,662.22
	$ 230,309.85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702841
702840
702852
377 m
548957
Crib Rd
OAKES
DALEY
355 m
702842
551116
Long Lake No. 58
11
Longlac
MCBEAN LAKE AREA
Long Lake
Heald Lake
Suckle Lake
Potato Lake
1:50,000
0 0.75 1.5 3
Km
Legend
Non Mining Land Tenure
Mining Land Tenure
Operational MLAS Claims
MENDM Administrative Boundaries
First Nation Reserve
100% Riverside Owned Claims
Datum: NAD 83 UTM Zone 16

Sample ID	Easting	Northing	Location	Structure	Type	Min.		Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na
								ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%
887003	532142	5517315	Oakes	075/80	Vein	Tr Py	QV, in MV, 40cm wide, rusty. @075, dip 80 W, py	< 5	< 0.2	< 0.5	6	45	5	5	< 2	2	0.02	< 2	< 10	< 10	< 0.5	< 2	0.01	< 1	65	0.39	< 10	< 1	< 0.01	< 10	< 0.01	0.02
887004	532097	5517236	Oakes			Tr Apy	granodiorite?, silicous, rusty, tr-Aspy, trench.	5	0.3	< 0.5	87	652	3	40	< 2	124	3.53	< 2	< 10	70	< 0.5	2	1.15	29	86	6.97	10	< 1	1.61	15	1.9	0.31
887005	532130	5517275	Oakes			Tr Py	granodiorite?, silicous, rusty, tr-py, trench.	45	0.2	< 0.5	79	1370	< 1	10	5	64	2.76	2	< 10	158	< 0.5	3	1.75	9	39	8.12	< 10	2	0.34	< 10	1.38	0.27
887006	531963	5517328	Oakes			3% py	QV 10 cm wide, rusty, tr-cpy, up tp 3% py.	103	< 0.2	< 0.5	35	98	4	4	< 2	4	0.09	< 2	< 10	17	< 0.5	< 2	0.07	3	58	1.24	< 10	< 1	0.02	< 10	0.05	0.03
887007	532409	5517440	Oakes	090/50	Vein	1-3% Py	trench, MV. Ankerite+Py up to 3%, well silicified, alter zone @ 090, dipping south	46	0.4	< 0.5	58	269	2	9	6	57	0.81	4	< 10	16	< 0.5	< 2	0.11	101	15	5.67	< 10	1	0.34	17	0.44	0.1
887008	532313	5517247	Oakes	310/80	Vein	1% Py	Felsic Volcanic, massive, fg, greyish, disseminated Py. Subcrop.	< 5	< 0.2	< 0.5	49	637	< 1	21	< 2	64	2.51	< 2	< 10	163	< 0.5	< 2	1.41	19	41	4.75	< 10	< 1	0.81	13	1.53	0.27
887009	531677	5517374	Oakes, Trench 1?		Vein	1-3% Py	QV, rusty, within the shear zone, strong sericite and ankerite, 1-3% py	6.89g	< 0.2	< 0.5	38	153	3	4	< 2	9	0.08	< 2	< 10	< 10	< 0.5	3	0.15	3	46	1.88	< 10	< 1	0.03	< 10	0.04	0.02
887010	529072	5516701	Oakes	75/65SE	Vein	Tr Po, Py	QV 35cm wide in MV tr-Py	< 5	< 0.2	< 0.5	12	86	5	6	< 2	4	0.14	3	< 10	< 10	< 0.5	< 2	0.16	2	70	0.57	< 10	< 1	< 0.01	< 10	0.08	0.03
887011	529032	5516705	Oakes	75/75S	Vein		Channel sample of QV within the shear zone.	20	< 0.2	< 0.5	28	98	3	4	23	53	0.1	59	< 10	13	< 0.5	< 2	0.26	3	36	0.61	< 10	< 1	0.02	< 10	0.05	0.03
887012	529032	5516705	Oakes		Vein		Channel sample of the wall rocks within the shear zone,	707	1.7	1.6	194	449	2	17	47	174	1.4	125	< 10	45	< 0.5	< 2	2.47	15	49	3.27	< 10	< 1	0.34	< 10	1.21	0.08
887013	531270	5517638	Oakes	90/90	Vein		QV, 35cm wide @090, in MV	< 5	< 0.2	< 0.5	4	68	4	3	< 2	5	0.04	< 2	< 10	10	< 0.5	< 2	0.04	< 1	59	0.46	< 10	< 1	0.02	< 10	0.02	0.02
887014	531847	5516950	Oakes			Py 15%	Grab samples, on the pipeline road, blasted boulders, strong ankerite+silica with semi-massive Py up to 15% py	464	0.8	< 0.5	694	786	2	462	< 2	36	1.57	3	< 10	< 10	< 0.5	5	2.53	182	64	9.79	< 10	< 1	0.88	< 10	0.99	0.14
887015	531954	5516969	Oakes		Vein		flat QV in MV that was foliated, wall rocks are ankeritic. Black turmouline fracture fillings in QV.	< 5	0.2	< 0.5	4	53	4	3	< 2	2	0.04	< 2	< 10	< 10	< 0.5	< 2	0.02	< 1	52	0.4	< 10	< 1	0.01	< 10	0.02	0.03
887016	523761	5518394	Oakes		Fol	1% Py	Angular Boulder of intermediate MV, strong disseminated biotite, 1% diss-Py,	6	0.2	< 0.5	146	928	< 1	102	< 2	107	5.02	< 2	< 10	163	< 0.5	3	2.57	43	307	8.39	10	3	0.53	< 10	4.26	0.07
887057	529116	5516312	Oakes Pipeline to Old Rail	070/88	Fol	2%py, tr po, tr mg?	M.Mvol, str. Rusty surface, biotite alt. very silceous	< 5	< 0.2	0.7	72	723	3	20	7	312	1.11	5	< 10	25	< 0.5	< 2	1.93	18	46	2.52	< 10	< 1	0.11	10	0.29	0.1
887058	529091	5516301	Oakes Pipeline to Old Rail	070/88	Fol	3%py	M.Mvol, mod. Foliation, siliceous	5	0.4	< 0.5	78	911	< 1	20	< 2	59	1.88	7	< 10	20	< 0.5	< 2	2	14	43	4.49	< 10	2	0.07	< 10	0.96	0.23
887059	529092	5516302	Oakes Pipeline to Old Rail	074/90	Fol	no py	M.Mvol, with minor quartz stringers, rusty but no visible sulphides	< 5	< 0.2	< 0.5	72	958	1	34	< 2	88	1.76	6	< 10	30	< 0.5	4	1.84	21	47	6.42	< 10	1	0.14	10	0.85	0.24
887060	529091	5516286	Oakes Pipeline to Old Rail	074/90	Fol	1%py 2%po, <1% cpy	M.Mvol, very hard, rusty, silica content high, metamorphosed/deformed quartz stringer with blebs of pyrite, also po/py/cpy disseminated focused along foliation planes	6	< 0.2	< 0.5	60	744	< 1	16	< 2	58	1.91	< 2	< 10	29	< 0.5	< 2	1.9	11	39	4.4	< 10	< 1	0.11	< 10	0.75	0.19
887061	529091	5516286	Oakes Pipeline to Old Rail	080/84	Fol	1%py	M.Mvol on contact to coarse grained diotite, highly fractued, py ass. To fractures 1 or less %, minor diss specs of finer grained py	< 5	< 0.2	< 0.5	64	775	< 1	36	< 2	130	1.8	3	< 10	60	< 0.5	4	0.92	25	58	5.02	< 10	2	0.33	< 10	1.35	0.12
887062	531347	5516946	CN Rail Traverse North	070/85	Vein		8cm wide smokey grey quartz vein, irregular margins, parallel to foliation in highly altered mmvol w/ strong surface rusty. Relic quartz grains from prior metam/alt, >1%	770	0.3	< 0.5	177	113	4	21	11	25	0.19	< 2	< 10	26	< 0.5	18	0.16	20	52	2.02	< 10	< 1	0.07	< 10	0.11	0.03
887063	531347	5516946	CN Rail Traverse North	072/88	Fol	3% py, 1% po, tr Aspy	Py + Po M.Mvol, fine grained, strongly weathered + surface rust, minor quartz, wk. silica alt., minor chlorite lineations along foliation	80	0.3	< 0.5	84	742	2	23	< 2	45	1.82	< 2	< 10	222	< 0.5	< 2	1.16	9	78	3.91	< 10	< 1	0.88	10	1.05	0.14
887064	531256	5517712	CN Rail Traverse North	005/60	Vein		Angular Boulder of intermediate MV, strong disseminated biotite, 1% diss-Py,	12	< 0.2	< 0.5	79	1220	2	48	< 2	46	1.84	< 2	< 10	355	< 0.5	< 2	5.62	21	98	5.67	< 10	< 1	0.32	22	2.23	0.09
887065	531754	5516725	Pipeline to Crib Rd.			1-2% py	M.Mvol, fineg grained, wk. magnetic, sil alt + euhedral py, strongly foliated	< 5	< 0.2	< 0.5	34	681	< 1	42	6	85	2.69	< 2	< 10	66	< 0.5	3	2.06	19	86	5.06	< 10	< 1	0.26	15	1.88	0.21
887066	531702	5516570	Pipeline to Crib Rd.			1% py, tr Cpy, <1%po	Intermediate metavolcanic, medium grained, non-magnetic, quartz phenos, strong surface rust, pervassive silica alt, minor serecite. With small quartz veinlets throughout.	9	0.2	< 0.5	139	975	< 1	55	< 2	103	3.28	< 2	< 10	51	< 0.5	3	0.9	43	118	7.15	10	1	0.29	11	1.33	0.18
887104	532455	5516883			Fol	Tr Py & Cpy	Rusty stained boulder at tree line (grab). Strongly foliated silicified mafic volcanic with fine grained Py and Cpy	< 5	0.3	< 0.5	113	1070	< 1	57	< 2	73	2.11	4	< 10	48	3.3	< 2	5.93	29	63	7.91	< 10	2	0.18	< 10	2.24	0.19
887105	531654	5517376		90/90	vein	Tr Py	Trench 1 Brinklow 2m south of Sample #532298	8	0.2	< 0.5	128	888	< 1	86	29	96	3.61	2	< 10	45	< 0.5	< 2	2.01	31	134	5.78	< 10	1	1.92	11	2.25	0.28
887106	531654	5517376		90/91	vein	Tr Py	Trench 1 Brinklow #532298 grab of quartz vein from same site as above	5	< 0.2	< 0.5	188	367	3	35	20	83	0.59	< 2	< 10	82	< 0.5	< 2	0.95	26	69	2.07	< 10	< 1	0.29	< 10	0.45	0.06
887107	531654	5517374		090/80	vein	Tr Py	Trench 1: Strongly foliated mafic volcanic foliated at 090/80S. Sheared quartz vein parallel to foliation. Qtz-Carb vein 30 cm	19.7g	0.4	< 0.5	109	2300	< 1	48	< 2	106	3.57	< 2	< 10	26	< 0.5	5	3.28	14	97	12.4	< 10	2	0.56	10	1.83	0.32
887108	531648	5517374		090/80	vein	Tr Py	Trench 1 Brinklow #532294. Report says VG 30cm cut int qtz vein	31.9g	0.4	< 0.5	49	573	< 1	30	4	27	1.86	< 2	< 10	139	< 0.5	12	1.38	14	95	2.68	< 10	< 1	0.48	< 10	0.95	0.25
887163	531244	5516959	raiload/pipeline		QV		QV, well folded in Metaseds, intense shearing, qv strike@080 dip@sub-vertical S, greyish, local rust, Tr-Py. Pic	< 5	< 0.2	< 0.5	7	129	1	7	3	7	0.49	< 2	< 10	30	< 0.5	< 2	0.46	2	36	0.74	< 10	< 1	0.12	< 10	0.16	0.04

Sample ID	Easting	Northing	Location	Structure	Type	Min.		Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na
887164	531237	5516964	raiload/pipeline		QV		QV's parallel, srsty, tr-Py near the wall rocks, strike@095 dip@subvertical S	< 5	< 0.2	< 0.5	6	101	< 1	3	< 2	4	0.14	< 2	< 10	11	< 0.5	< 2	0.21	1	7	0.52	< 10	< 1	0.02	< 10	0.07	0.02
887165	531004	5516876	raiload/pipeline		QV		QV, 10cm wide, white, strike@ 095, Dip@80 S, no visible sulphieds but the rims look mineralized.	< 5	< 0.2	< 0.5	3	145	1	7	< 2	8	0.5	< 2	< 10	12	< 0.5	< 2	0.66	2	14	0.83	< 10	< 1	0.01	< 10	0.2	0.03
887167	887167	5517684	W of railroad		QV		QV, 10-30cm wide, flat, strike@110 dip: flat, Tr-Py	< 5	< 0.2	< 0.5	3	53	< 1	2	< 2	< 2	0.05	< 2	< 10	11	< 0.5	< 2	0.03	< 1	6	0.38	< 10	< 1	< 0.01	< 10	0.04	0.03
887168	887167	5517684	W of railroad		QV		QV, 10-30cm wide, flat, strike@110 dip: flat, Tr-Py	< 5	< 0.2	< 0.5	< 1	33	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	11	< 0.5	< 2	< 0.01	< 1	3	0.26	< 10	< 1	< 0.01	< 10	< 0.01	0.02
887169	530910	5517905	W of railroad		QV		QV, narrow, stockworks, Tr-Py, Strike@090 dip@ 75	< 5	< 0.2	< 0.5	14	194	< 1	2	2	21	0.37	< 2	< 10	31	< 0.5	< 2	0.09	2	7	1.45	< 10	< 1	0.09	< 10	0.27	0.06
887170	530786	5517783	W of railroad		QV		QV, 45cm wide, few specks pf Py, strike@ 085 dip@ flat-ish.	< 5	< 0.2	< 0.5	1	87	< 1	< 1	5	21	0.01	< 2	< 10	26	< 0.5	< 2	0.02	< 1	4	0.41	< 10	< 1	< 0.01	< 10	< 0.01	0.04
887171	530688	5518122	W of railroad		QV		QV, in Felsic volcanic, with Ankerite fracture filling, 1% Py	< 5	< 0.2	< 0.5	16	364	2	1	7	37	0.86	< 2	< 10	30	< 0.5	< 2	0.74	3	3	1.78	< 10	< 1	0.12	23	0.26	0.1
887172	530883	5518079	W of railroad		QV		QV, Tr-Py, rusty, strike@ 090 dip@ 80 N.	< 5	< 0.2	< 0.5	4	104	< 1	1	< 2	11	0.25	< 2	< 10	32	< 0.5	< 2	0.05	< 1	3	0.75	< 10	< 1	0.11	< 10	0.14	0.04
887173	530883	5518079	W of railroad		QV		QV, Tr-Py, rusty, strike@ 090 dip@ 80 N. the second sample of the same location.	6	< 0.2	< 0.5	20	313	1	12	8	30	0.77	< 2	< 10	30	< 0.5	< 2	0.6	8	23	2.07	< 10	< 1	0.14	< 10	0.69	0.13
887174	531706	5517480	North south treverces		QV		QV, 40 cm wide, locally rusty, strike@090 dip@90	< 5	< 0.2	< 0.5	2	62	< 1	4	< 2	4	0.04	< 2	< 10	12	< 0.5	< 2	0.06	< 1	72	0.37	< 10	< 1	< 0.01	< 10	0.02	0.03
887175	531546	5517358	North south treverces		QV		QV, narrow, 1% Py, strike@090 dip@85	8	< 0.2	< 0.5	91	629	< 1	34	< 2	58	3.54	< 2	< 10	387	< 0.5	< 2	1.65	16	84	5.45	< 10	2	1.51	< 10	2.17	0.19
887176	531546	5517358	North south treverces		QV		QV, 15cm wide, 1% Py, strike@090 dip@85.	< 5	< 0.2	< 0.5	4	83	< 1	7	< 2	< 2	0.11	< 2	< 10	18	< 0.5	< 2	0.07	2	125	0.55	< 10	< 1	0.03	< 10	0.06	0.04
887177	531531	5517371	North south treverces		QV		2 QV's, parallel, 1% Py, tr-Ankerite.	9	< 0.2	< 0.5	102	352	< 1	34	< 2	17	1.14	7	< 10	40	< 0.5	< 2	1.03	15	116	1.74	< 10	< 1	0.37	< 10	0.62	0.07
887178	531549	5517426	North south treverces		QV		QV, 5cm wide, smokey, tr-Py, strike@085 dip@ vertical	17	< 0.2	< 0.5	80	237	1	13	< 2	6	0.28	< 2	< 10	21	< 0.5	< 2	0.25	4	87	0.86	< 10	< 1	0.05	< 10	0.21	0.06
887179	531676	5517498	North south treverces		QV		QV, 5-50cm wide, tr-Py fg, local rust, strike@090 dip@80 S	< 5	< 0.2	< 0.5	4	53	< 1	4	< 2	< 2	0.02	< 2	< 10	12	< 0.5	< 2	0.01	1	92	0.44	< 10	< 1	< 0.01	< 10	< 0.01	0.02
887180	532769	5516550	North south treverces		QV		QV, 20 cm with rust1-2% Py, strike@ 085 dip@ 90	< 5	< 0.2	< 0.5	18	308	< 1	19	< 2	24	0.82	< 2	< 10	55	< 0.5	< 2	0.81	6	109	1.57	< 10	< 1	0.2	< 10	0.69	0.13
887181	532743	5516505	North south treverces		QV		QV, rusty, 6 cm wide, no visible sulphieds, trike@080 dip@80 N	12	< 0.2	< 0.5	22	1920	2	18	7	41	2.34	2	< 10	23	< 0.5	< 2	2.13	5	83	4.74	< 10	< 1	0.16	< 10	0.85	0.2
887182	532160	5517457	North south treverces		QV		QV's , narrow, locally rusty, tr-Py, strike@090 dip@ vertical	25	< 0.2	< 0.5	34	257	< 1	10	3	9	0.27	< 2	< 10	36	< 0.5	< 2	0.34	12	83	0.82	< 10	< 1	0.08	< 10	0.25	0.05
887183	526274	5515677	West End of the property		Ol-gab		UltraMafic, super rusty, medium grained, 3-5% Py/Po, locally magnetic,	< 5	< 0.2	< 0.5	177	2650	< 1	40	< 2	83	4.42	< 2	< 10	20	< 0.5	< 2	4.83	23	49	10.1	10	3	0.18	< 10	1.81	0.46
887185	532908	5516358	At the south boundary		MSED		Metaseds, foliated, 1-3% Py. Near the contact with Gabbro. Strongly siliceous	< 5	< 0.2	< 0.5	50	955	< 1	39	2	77	3.04	< 2	< 10	67	< 0.5	< 2	3.35	18	132	4.89	10	< 1	0.25	16	1.43	0.25

								Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In
								ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Oakes Aug 2020-01	531593	5517383		1211601			G. Chalice #532256. 1m grab/chip from Trench 1	0.073	<1	0.22	<5	<20	9.5	<5	<0.1	0.14	<0.2	0.5	1.6	0.01	0.4	<5	0.08	<0.05	<0.05	0.64	0.8	0.08	<1	<1	<0.05	<0.2
Oakes Aug 2020-02	531563	5517401		1211602			35m east of Trench 1. Strongly foliate mafic rock at 110 degrees. Rusty layers of quartz rich.	0.012	<1	8.59	<5	<20	137	<5	<0.1	6.03	<0.2	47.5	16.3	0.01	1.7	52	4.97	2.55	1.1	3.84	22.2	6.05	1	4	0.99	<0.2
Oakes Aug 2020-03	531664	5517364		1211603			G. Chalice #532327. 3m wide rusty shear at this location, Trench 1 (1m chip).	2.54	<1	5.92	<5	90	234	<5	12	3.94	<0.2	15.5	38.2	0.02	1.9	91	3.96	2.33	0.84	6.86	14.7	3.55	1	2	0.85	<0.2

								Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P
								ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Oakes-01				253973				0.003	<0.5	6.73	<1	84	0.8	<1	8.67	<0.5	11	29.9	155	45.6	5.89	27	<1	0.3	6	23	2.09	1370	9.7	1.22	41.7	240
Oakes-02				253974				0.229	<0.5	8.09	5	353	1.1	<1	2.01	<0.5	27	8.4	127	31.8	2.6	19	<1	2.1	14	11	0.4	459	12.3	2.36	7.2	560

								Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo
	UTM-E	UTM_N					IP Comments	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Oakes 2021-1	530904	5517411					Strongest IP anomaly at western grid edge altered mafic volcanic with pyrite mapped as 1m and 2ek	0.009	0.03	7.03	2.9	220	0.83	0.27	2.47	0.02	39.6	6.6	13	5.93	26.5	4.17	17.4	0.14	4.6	0.03	1.23	21.3	31.5	1.4	281	1.05
Oakes 2021-2	531009	5517374					lower Ip anomaly south of possible HG anomaly gabbro diorite here gabbro could be responsible for IP anomaly but on same anomaly as Oakes 2021-2. location UTM in question	<0.005	0.1	6.73	10.9	170	0.41	0.15	6.13	0.14	20.2	45.5	126	0.77	118	7.6	18.05	0.13	1.8	0.07	0.55	8.2	20.2	2.79	1480	0.53
Oakes 2021-3	532687	5517152					Oakes 2021-3 outcrop near high IP py and gabbro.	<0.005	0.09	7.26	0.7	100	0.63	1.22	7.95	0.15	33.1	23.3	44	1.18	155	5.46	22.4	0.14	1.7	0.05	0.27	16	4.9	1.68	947	0.95
Oakes 2021-4	532702	5516461					Oakes 2021-4 on Ip line near IP high weakly altered meta volc felsic? Py on fractures not too exciting could trench here for better look.	<0.005	0.05	7.29	0.4	260	0.74	0.12	4.28	0.05	37.6	19.6	66	5.76	40.8	4.78	20.5	0.14	1.4	0.05	1.04	14.8	14.8	1.32	917	0.63
Oakes 2021-5	531694	5516528					IP-10 south of road strongly foliated weakly altered volc trace qtz veining	<0.005	0.21	4.33	1.1	570	0.43	0.28	0.67	0.05	35.5	4.9	10	0.87	51.4	2.09	6.6	0.13	5.3	0.04	1.56	15.2	9.3	0.22	168	1.25

Sample ID	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
887003	0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	< 1
887004	0.04	0.69	< 2	12	15	0.33	< 20	< 1	< 2	< 10	130	< 10	10	11
887005	0.062	0.23	3	13	16	0.14	< 20	< 1	< 2	< 10	92	< 10	12	12
887006	0.005	0.14	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	5	< 10	< 1	1
887007	0.029	2.98	< 2	6	7	0.1	< 20	< 1	< 2	< 10	35	< 10	7	55
887008	0.084	0.06	< 2	14	14	0.27	< 20	< 1	< 2	< 10	116	< 10	14	10
887009	0.001	0.86	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	1
887010	0.005	< 0.01	< 2	< 1	1	0.01	< 20	< 1	< 2	< 10	7	< 10	2	< 1
887011	0.002	0.02	< 2	< 1	3	< 0.01	< 20	< 1	< 2	< 10	8	< 10	1	1
887012	0.034	0.59	< 2	5	13	0.12	< 20	2	< 2	< 10	59	< 10	7	13
887013	0.002	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	5	< 10	< 1	< 1
887014	0.048	5.37	4	8	20	0.15	< 20	6	< 2	< 10	66	20	8	15
887015	0.001	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	1
887016	0.027	0.29	3	23	16	0.29	< 20	< 1	< 2	< 10	221	< 10	9	3
887057	0.061	0.38	< 2	6	20	0.24	< 20	2	< 2	< 10	47	< 10	15	6
887058	0.064	1.42	< 2	11	22	0.27	< 20	< 1	< 2	< 10	90	< 10	11	5
887059	0.096	2.32	< 2	9	18	0.23	< 20	< 1	< 2	< 10	81	< 10	15	6
887060	0.084	0.26	< 2	13	28	0.34	< 20	1	3	< 10	130	< 10	14	3
887061	0.067	0.49	2	13	4	0.26	< 20	2	< 2	< 10	140	< 10	12	6
887062	0.009	0.85	< 2	< 1	4	0.02	< 20	10	< 2	< 10	8	< 10	< 1	2
887063	0.068	0.34	< 2	7	21	0.24	< 20	< 1	< 2	< 10	68	< 10	8	6
887064	0.087	0.03	< 2	11	64	0.04	< 20	< 1	< 2	< 10	71	< 10	12	4
887065	0.123	0.01	< 2	11	38	0.27	< 20	3	< 2	< 10	84	< 10	14	3
887066	0.041	0.93	3	25	30	0.25	< 20	< 1	< 2	< 10	223	< 10	11	18
887104	0.043	0.03	3	29	109	0.04	< 20	< 1	< 2	< 10	158	< 10	29	25
887105	0.047	0.4	3	12	30	0.34	< 20	< 1	3	< 10	132	< 10	11	8
887106	0.011	0.35	< 2	4	7	0.07	< 20	3	< 2	< 10	32	< 10	3	4
887107	0.041	1.21	3	10	27	0.14	< 20	< 1	< 2	< 10	78	< 10	9	7
887108	0.031	0.17	2	7	34	0.2	< 20	3	< 2	< 10	57	< 10	6	6
887163	0.013	0.02	< 2	1	10	0.04	< 20	< 1	< 2	< 10	10	< 10	2	4

Sample ID	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
887164	0.003	< 0.01	< 2	< 1	4	0.01	< 20	< 1	< 2	< 10	6	> 200	1	< 1
887165	0.01	< 0.01	< 2	1	39	0.05	< 20	< 1	< 2	< 10	14	< 10	2	1
887167	0.002	< 0.01	< 2	< 1	1	0.01	< 20	< 1	< 2	< 10	3	< 10	< 1	2
887168	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
887169	0.01	0.03	< 2	2	5	0.05	< 20	1	< 2	< 10	15	< 10	2	10
887170	< 0.001	< 0.01	< 2	< 1	4	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
887171	0.018	0.16	< 2	5	25	0.11	< 20	1	< 2	< 10	8	< 10	16	34
887172	0.005	0.02	< 2	1	2	0.03	< 20	< 1	2	< 10	7	< 10	< 1	6
887173	0.023	0.11	< 2	6	9	0.12	< 20	3	< 2	< 10	49	< 10	5	23
887174	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	< 1
887175	0.059	0.1	2	11	17	0.34	< 20	4	< 2	< 10	126	< 10	9	8
887176	0.004	< 0.01	< 2	< 1	1	0.01	< 20	< 1	< 2	< 10	6	< 10	< 1	2
887177	0.025	0.19	2	4	15	0.14	< 20	< 1	< 2	< 10	42	< 10	6	8
887178	0.008	< 0.01	< 2	2	3	0.03	< 20	< 1	< 2	< 10	14	< 10	1	2
887179	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	< 1
887180	0.043	< 0.01	< 2	5	11	0.11	< 20	4	< 2	< 10	32	< 10	6	4
887181	0.044	0.02	< 2	7	13	0.15	< 20	1	< 2	< 10	52	< 10	7	2
887182	0.007	0.05	< 2	2	5	0.04	< 20	< 1	< 2	< 10	13	< 10	2	4
887183	0.037	0.33	4	27	12	0.2	< 20	2	< 2	< 10	206	< 10	12	3
887185	0.085	0.08	< 2	10	83	0.17	< 20	6	< 2	< 10	85	< 10	9	8

	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Oakes Aug 2020-01	<0.05	0.2	<10	<0.05	0.06	83	19	<1	0.3	12	<0.01	<5	0.06	2.8	<0.01	0.1	<5	47.3	<0.1	<1	2.3	<0.5	<0.05	<0.1	0	1	<0.05	<0.05	8	<1	<0.5	<0.1	<5	2.7
Oakes Aug 2020-02	0.43	22.9	20	0.34	1.04	1030	8	9	25.9	45	0.06	<5	6.35	23.9	0.09	0.9	16	31.7	5.4	2	231	<0.5	0.87	2.5	0.4	<0.5	0.41	0.58	113	<1	25.6	2.5	69	165
Oakes Aug 2020-03	0.96	6.9	33	0.32	2.07	1420	9	3	9.8	59	0.04	7	2.22	38.9	0.47	<0.1	33	31.7	2.6	1	168	<0.5	0.6	1.5	0.6	<0.5	0.37	0.38	234	<1	21.4	2.2	108	80.9

	Pb	Rb	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Oakes-01	<1	<10	0.07	1	28	<10	<5	166	<10	<10	<5	0.35	<5	<5	187	<1	15	49.6	28
Oakes-02	<1	57	1.19	<1	7	<10	<5	210	<10	<10	<5	0.14	<5	<5	59.3	<1	7	29.5	100

	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Oakes 2021-1	2.34	7.5	3.6	610	5.4	36.7	<0.002	0.29	0.11	12.6	1	1.9	177	0.63	0.18	4.93	0.38	0.33	1.1	101	0.9	11.3	30	175
Oakes 2021-2	1.63	4.3	51.8	550	4.7	18	<0.002	0.44	0.72	37	1	0.8	200	0.29	<0.05	1.51	0.69	0.14	0.4	268	1.4	28.6	102	49.8
Oakes 2021-3	1.27	5.3	45.6	470	3.8	6.2	<0.002	0.17	0.13	22.1	2	1	132	0.36	<0.05	2.48	0.49	0.03	0.6	157	5	17.4	59	60.7
Oakes 2021-4	2.99	8.5	37.9	970	4.7	32	<0.002	0.01	0.1	15.8	1	1.4	265	0.58	<0.05	2.36	0.47	0.17	0.5	115	0.4	15.3	86	49.8
Oakes 2021-5	0.97	7.4	2.9	350	10.4	77.2	<0.002	0.08	0.16	6.7	1	0.7	106	0.59	<0.05	7.2	0.19	0.29	1.7	20	0.5	19.3	31	187

CERTIFICATE OF ANALYSIS

AGAT WORK ORDER: 19T476758
PROJECT: Genative
CLIENT NAME: MISC AGAT CLIENT ON
ATTENTION TO: Freeman Smith
DATE RECEIVED: Jun 06, 2019
DATE SAMPLED: Jun 05, 2019
DATE REPORTED: Jun 17, 2019

PACKAGE INFORMATION:

Work Sheet Name	Sample Ty	Package Name
X01	Rock	(200-) Sample Login Weight
X02	Rock	(201-070) 4 Acid Digest - Metals Package, ICP-OES finish
X03	Rock	(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)
X04	Rock	Sieving - % Passing (Crushing)

(200-) Sample Login Weight

Sample Id	Sample Description	Analyte:	Sample Login Weight
		Unit:	kg
		RDL:	0.01
253959	Turn-01		2.41
253960	Turn-02		1.29
253961	Turn-03		2.11
253962	Turn-04		1.79
253963	Turn-05		3.8
253964	Turn-06		2.43
253965	TD-01		1.47
253966	TD-02		3.5
253967	TD-03		0.76
253968	TD-04		2.4
253969	TD-05		1.91
253970	TD-06		1.18
253971	WG-01		1.35
253972	Vinc-01		1.87
253973	Oakes-01		0.51
253974	Oakes-02		1.91
253975	Mud-01		1.23
253976	Mud-02		3.11
253977	Miner-01		0.83
253978	Miner-02		1.45
253979	Miner-03		1.54
253980	LN-01		2.82
253981	Titan-01		2.43

Comments: RDL - Reported Detection Limit

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

		Analyte:	Ag	Al	As	Ba	Be	Bi	Ca
		Unit:	ppm	%	ppm	ppm	ppm	ppm	%
Sample Id	**Sample Description**	**RDL:**	**0.5**	**0.01**	**1**	**1**	**0.5**	**1**	**0.01**
253959	Turn-01		0.6	3.93	3	126	0.5	<1	1.15
253960	Turn-02		0.6	0.03	<1	3	<0.5	<1	0.01
253961	Turn-03		13.3	4.11	<1	33	1	6	1.97
253962	Turn-04		27.3	2.3	16	174	0.9	13	1.67
253963	Turn-05		2.6	7.65	11	102	0.9	<1	2.6
253964	Turn-06		12.6	5.83	34	291	1.2	16	0.33
253965	TD-01		<0.5	2.12	1	171	<0.5	<1	5.55
253966	TD-02		14.8	0.18	2	18	<0.5	<1	0.05
253967	TD-03		<0.5	6.03	7	1160	2	<1	5.41
253968	TD-04		<0.5	2.99	23	310	1	<1	3.45
253969	TD-05		<0.5	6.38	1	77	1.4	<1	4.1
253970	TD-06		<0.5	7.22	17	172	1.2	<1	4.14
253971	WG-01		<0.5	6.96	78	335	1.3	<1	1.05
253972	Vinc-01		<0.5	7.41	<1	113	1.3	<1	2.46
253973	Oakes-01		<0.5	6.73	<1	84	0.8	<1	8.67
253974	Oakes-02		<0.5	8.09	5	353	1.1	<1	2.01
253975	Mud-01		<0.5	0.56	2	36	<0.5	1	1.02
253976	Mud-02		4.8	0.4	8	48	<0.5	<1	0.11
253977	Miner-01		<0.5	7.7	<1	41	1.2	<1	2.51
253978	Miner-02		0.5	7.87	<1	146	1.2	<1	1.39
253979	Miner-03		0.9	7.69	<1	145	1.3	<1	3.27
253980	LN-01		<0.5	7.43	<1	21	1.4	<1	8.48
253981	Titan-01		2.5	2.02	<1	77	1.4	2	2.2

Comments: RDL - Reported Detection Limit

253959-253981 As, Sb values may be low due to digestion losses.

Cd	Ce	Co	Cr	Cu	Fe	Ga	In	K	La	Li	Mg	Mn
ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
0.5	**1**	**0.5**	**0.5**	**0.5**	**0.01**	**5**	**1**	**0.01**	**2**	**1**	**0.01**	**1**
<0.5	29	7	127	11.8	5.46	20	<1	0.5	13	2	0.06	178
<0.5	<1	6.1	248	3.3	5.29	14	<1	<0.01	<2	<1	<0.01	30
<0.5	13	13.9	241	19	6.75	23	<1	0.06	6	2	0.91	539
<0.5	2	32.1	285	57.5	6.83	24	<1	0.71	<2	6	0.55	443
<0.5	13	61.6	130	459	14.8	55	<1	0.35	6	16	3.17	1490
<0.5	17	24.1	249	92.7	6.47	27	<1	1.1	8	14	0.95	401
<0.5	<1	12.4	239	41.4	2.72	7	<1	0.47	<2	16	1.04	820
<0.5	2	9.4	231	>10000	4.25	11	<1	0.01	<2	<1	0.02	32
<0.5	92	23.6	253	2020	4.89	23	<1	1.17	41	3	3.7	1120
<0.5	4	19.5	245	133	4.55	17	<1	0.71	2	4	0.96	966
<0.5	5	34	157	88.9	6.56	29	<1	0.1	2	<1	1.13	1960
<0.5	31	16.6	157	141	3.82	20	<1	0.37	15	2	0.94	948
1.2	34	22.8	143	33.7	10.3	34	<1	1.65	16	57	1.37	5750
0.5	4	53	187	124	9.58	36	<1	0.28	2	20	2.42	1090
<0.5	11	29.9	155	45.6	5.89	27	<1	0.3	6	23	2.09	1370
<0.5	27	8.4	127	31.8	2.6	19	<1	2.1	14	11	0.4	459
<0.5	2	3.3	210	13.9	0.63	<5	<1	0.21	<2	1	0.11	256
<0.5	<1	422	241	5480	5.5	15	<1	0.22	<2	<1	0.06	76
<0.5	38	6.7	85.8	52.7	2.25	15	<1	0.33	22	3	1.18	481
<0.5	25	15.2	79	856	3.28	22	<1	0.94	15	15	0.87	272
<0.5	11	16.3	154	740	4.57	23	<1	1.21	6	20	1.93	409
<0.5	3	36.4	240	106	7.47	32	<1	0.04	2	10	2.78	1560
<0.5	2	12.8	247	320	2.51	8	<1	0.78	<2	18	0.85	412

Mo	Na	Ni	P	Pb	Rb	S	Sb	Sc	Se	Sn	Sr	Ta
ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
0.5	**0.01**	**0.5**	**10**	**1**	**10**	**0.01**	**1**	**1**	**10**	**5**	**1**	**10**
22.5	2.41	5.9	303	4	16	5.13	2	4	<10	<5	61	<10
19.7	0.01	6.7	<10	4	<10	4.57	2	<1	<10	<5	1	<10
118	2.41	15.7	1360	33	<10	3.42	<1	15	<10	<5	61	<10
37.8	0.34	6.6	275	9	17	5.36	1	13	<10	<5	34	<10
12.9	1.72	40.3	722	4	<10	2.48	3	36	<10	<5	64	<10
31	1.89	8.3	336	8	30	1.83	1	19	<10	<5	48	<10
15.4	0.39	20.9	68	<1	14	0.27	<1	10	<10	<5	25	<10
32.4	0.14	12.1	117	<1	<10	3.52	1	<1	<10	<5	10	<10
17.6	2.99	109	2330	<1	51	0.25	<1	24	<10	<5	555	<10
19	1.11	29.6	198	2	19	0.6	<1	18	<10	<5	111	<10
24.1	5.26	59.9	476	1	<10	0.55	<1	31	<10	<5	223	<10
19.8	5.25	24.3	819	<1	12	0.63	<1	13	<10	<5	290	<10
6.9	0.27	53.8	724	18	49	1.35	3	17	<10	<5	121	<10
6.3	4.27	157	335	<1	11	4.53	2	38	<10	<5	63	<10
9.7	1.22	41.7	240	<1	<10	0.07	1	28	<10	<5	166	<10
12.3	2.36	7.2	560	<1	57	1.19	<1	7	<10	<5	210	<10
24.6	0.03	8.7	40	<1	<10	0.03	<1	2	<10	<5	26	<10
27.1	0.02	107	<10	<1	<10	5.31	1	2	<10	<5	6	<10
6.7	5	19.6	829	<1	11	<0.01	<1	8	<10	<5	143	<10
9.5	4.04	5.1	764	<1	31	0.28	<1	5	<10	<5	200	<10
6.8	2.42	40	404	<1	42	0.09	<1	11	<10	<5	240	<10
5.3	1.36	101	335	<1	<10	0.27	<1	38	<10	<5	143	<10
28.6	0.46	18.5	120	70	42	0.68	<1	10	<10	<5	47	<10

Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
10	**5**	**0.01**	**5**	**5**	**0.5**	**1**	**1**	**0.5**	**5**
<10	<5	0.06	<5	<5	18.1	<1	7	8.3	73
<10	<5	<0.01	<5	9	<0.5	<1	<1	<0.5	<5
14	<5	0.38	<5	<5	74.2	<1	19	41.2	14
26	<5	0.29	<5	9	112	<1	4	17.3	11
11	<5	0.32	<5	20	237	<1	6	136	23
25	<5	0.27	<5	<5	154	<1	5	54.1	43
<10	<5	0.11	<5	<5	68.7	<1	4	20.2	<5
<10	<5	<0.01	<5	7	3.2	<1	<1	17.6	<5
<10	<5	0.23	<5	<5	188	<1	16	60.7	61
<10	<5	0.3	<5	<5	166	<1	6	34.5	25
<10	<5	0.4	<5	7	241	13	8	54.1	23
<10	<5	0.3	<5	<5	91.7	2	11	41	102
<10	<5	0.15	<5	<5	129	1	9	417	101
<10	<5	0.58	<5	10	266	<1	20	96.2	35
<10	<5	0.35	<5	<5	187	<1	15	49.6	28
<10	<5	0.14	<5	<5	59.3	<1	7	29.5	100
<10	<5	0.02	<5	<5	7.7	<1	4	2.9	14
<10	<5	0.04	<5	9	15.5	<1	<1	1.6	<5
<10	<5	0.26	<5	<5	43.1	<1	12	35	159
<10	<5	0.25	<5	<5	20.5	<1	8	44.1	145
<10	<5	0.29	<5	<5	84.7	<1	8	47.2	106
<10	<5	0.62	<5	<5	276	<1	22	156	51
<10	<5	0.18	<5	<5	77.7	<1	5	71.6	10

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

		Analyte:	Au	Au-Grav
		Unit:	ppm	g/t
Sample Id	**Sample Description**	**RDL:**	**0.001**	**0.5**
253959	Turn-01		0.356	
253960	Turn-02		0.197	
253961	Turn-03		2.21	
253962	Turn-04		6.21	
253963	Turn-05		0.403	
253964	Turn-06		1.62	
253965	TD-01		0.008	
253966	TD-02		0.034	
253967	TD-03		0.008	
253968	TD-04		0.011	
253969	TD-05		0.344	
253970	TD-06		0.019	
253971	WG-01		0.835	
253972	Vinc-01		0.01	
253973	Oakes-01		0.003	
253974	Oakes-02		0.229	
253975	Mud-01		0.006	
253976	Mud-02		>10	17.6
253977	Miner-01		0.098	
253978	Miner-02		0.182	
253979	Miner-03		0.207	
253980	LN-01		0.003	
253981	Titan-01		0.104	

Comments: RDL - Reported Detection Limit

Sieving - % Passing (Crushing)

		Analyte:	Pass %
		Unit:	%
Sample Id	**Sample Description**	**RDL:**	**0.01**
253959	Turn-01		89.8
253978	Miner-02		85.82

Comments: RDL - Reported Detection Limit

Parameter	Sample Id	Original	Rep #1	RPD	Method Blank	Result Value	Reference Material
(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)							
Au	253959	0.356	0.302	16.4%	< 0.001	6.72	ref.GS6F
(201-070) 4 Acid Digest - Metals Package, ICP-OES finish							
Ag	253959	0.6	0.9		< 0.5		
Al	253959	3.93	4.26	8.1%	< 0.01	11.05	ref.SY-4
As	253959	3	< 1		< 1		
Ba	253959	126	139	9.8%	< 1	318	ref.SY-4
Be	253959	0.55	0.59	7.0%	< 0.5	2.84	ref.SY-4
Bi	253959	< 1	< 1	0.0%	< 1		
Ca	253959	1.15	1.12	2.6%	< 0.01	5.59	ref.SY-4
Cd	253959	< 0.5	< 0.5	0.0%	< 0.5		
Ce	253959	29	31	6.7%	< 1	110	ref.SY-4
Co	253959	6.98	5.55	22.8%	< 0.5		
Cr	253959	127	102	21.8%	< 0.5	10	ref.SY-4
Cu	253959	11.8	11.3	4.3%	< 0.5	6	ref.SY-4
Fe	253959	5.46	4.49	19.5%	< 0.01	3.96	ref.SY-4
Ga	253959	20	20	0.0%	< 5	35	ref.SY-4
In	253959	< 1	< 1	0.0%	< 1		
K	253959	0.50	0.57	13.1%	< 0.01	1.44	ref.SY-4
La	253959	13	14	7.4%	< 2	54	ref.SY-4
Li	253959	2	2	0.0%	< 1	37	ref.SY-4
Mg	253959	0.06	0.06	0.0%	< 0.01	0.296	ref.SY-4
Mn	253959	178	172	3.4%	< 1		
Mo	253959	22.5	20.7	8.3%	< 0.5		
Na	253959	2.41	2.52	4.5%	< 0.01	5.209	ref.SY-4
Ni	253959	5.9	4.9	18.5%	< 0.5		
P	253959	303	324	6.7%	< 10		
Pb	253959	4	3	28.6%	< 1		
Rb	253959	16	18	11.8%	< 10	53	ref.SY-4
S	253959	5.13	4.14	21.4%	< 0.01		
Sb	253959	2	< 1		< 1		
Sc	253959	4	5	22.2%	< 1	1	ref.SY-4
Se	253959	< 10	< 10	0.0%	< 10		

Sn	253959	< 5	< 5	0.0%	< 5		
Sr	253959	61	63	3.2%	< 1	1166	ref.SY-4
Ta	253959	< 10	< 10	0.0%	< 10		
Te	253959	< 10	< 10	0.0%	< 10		
Th	253959	< 5	< 5	0.0%	< 5		
Ti	253959	0.061	0.067	9.4%	< 0.01	0.163	ref.SY-4
Tl	253959	< 5	< 5	0.0%	< 5		
U	253959	< 5	< 5	0.0%	< 5		
V	253959	18.1	20.9	14.4%	< 0.5	7	ref.SY-4
W	253959	< 1	< 1	0.0%	< 1		
Y	253959	7	9	25.0%	< 1	123	ref.SY-4
Zn	253959	8.34	6.74	21.2%	< 0.5	90	ref.SY-4
Zr	253959	73	78	6.6%	< 5		
(201-070) 4 Acid Digest - Metals Package, ICP-OES finish							
Ag	253973	< 0.5	< 0.5	0.0%	< 0.5		
Al	253973	6.73	6.71	0.3%	< 0.01		
As	253973	< 1	< 1	0.0%	< 1		
Ba	253973	84	84	0.0%	< 1		
Be	253973	0.8	0.8	0.0%	< 0.5		
Bi	253973	< 1	< 1	0.0%	< 1		
Ca	253973	8.67	8.71	0.5%	< 0.01		
Cd	253973	< 0.5	< 0.5	0.0%	< 0.5		
Ce	253973	11	11	0.0%	< 1		
Co	253973	29.9	30.1	0.7%	< 0.5		
Cr	253973	155	157	1.3%	< 0.5		
Cu	253973	45.6	59.6	26.6%	< 0.5		
Fe	253973	5.89	5.95	1.0%	< 0.01		
Ga	253973	27	26	3.8%	< 5		
In	253973	< 1	< 1	0.0%	< 1		
K	253973	0.30	0.30	0.0%	< 0.01		
La	253973	6	6	0.0%	< 2		
Li	253973	23	23	0.0%	< 1		
Mg	253973	2.09	2.07	1.0%	< 0.01		
Mn	253973	1370	1370	0.0%	< 1		
Mo	253973	9.7	9.7	0.0%	< 0.5		
Na	253973	1.22	1.23	0.8%	< 0.01		

Ni	253973	41.7	42.4	1.7%	< 0.5	
P	253973	240	241	0.4%	< 10	
Pb	253973	< 1	< 1	0.0%	< 1	
Rb	253973	< 10	< 10	0.0%	< 10	
S	253973	0.07	0.07	0.0%	< 0.01	
Sb	253973	1	< 1		< 1	
Sc	253973	28	28	0.0%	< 1	
Se	253973	< 10	< 10	0.0%	< 10	
Sn	253973	< 5	< 5	0.0%	< 5	
Sr	253973	166	168	1.2%	< 1	
Ta	253973	< 10	< 10	0.0%	< 10	
Te	253973	< 10	< 10	0.0%	< 10	
Th	253973	< 5	< 5	0.0%	< 5	
Ti	253973	0.35	0.35	0.0%	< 0.01	
Tl	253973	< 5	< 5	0.0%	< 5	
U	253973	< 5	< 5	0.0%	< 5	
V	253973	187	187	0.0%	< 0.5	
W	253973	< 1	< 1	0.0%	< 1	
Y	253973	15	14	6.9%	< 1	
Zn	253973	49.6	49.6	0.0%	< 0.5	
Zr	253973	28	31	10.2%	< 5	
(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)						
Au	253973	0.003	0.004	28.6%	< 0.001	
(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)						
Au-Grav	253976	17.6	17.5	0.6%	< 0.5	14.3

Nominal	Recovery	Lower Limit	Upper Limit
6.87	98%	90%	110%
		90%	110%
10.95	101%	90%	110%
		90%	110%
340	94%	90%	110%
2.6	109%	90%	110%
		90%	110%
5.72	98%	90%	110%
		90%	110%
122	90%	90%	110%
		90%	110%
12	**83%**	90%	110%
7	**89%**	90%	110%
4.34	91%	90%	110%
35	101%	90%	110%
		90%	110%
1.37	105%	90%	110%
58	93%	90%	110%
37	101%	90%	110%
0.325	91%	90%	110%
		90%	110%
		90%	110%
5.267	99%	90%	110%
		90%	110%
		90%	110%
		90%	110%
55	97%	90%	110%
		90%	110%
		90%	110%
1.1	95%	90%	110%
		90%	110%

		90%	110%
1191	98%	90%	110%
		90%	110%
		90%	110%
		90%	110%
0.172	95%	90%	110%
		90%	110%
		90%	110%
8	91%	90%	110%
		90%	110%
119	104%	90%	110%
93	97%	90%	110%
		90%	110%

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		90%	110%
14.9	95%	90%	110%

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http://www.agatlabs.com

CLIENT NAME: MISC AGAT CLIENT ON, ON

ATTENTION TO: Freeman Smith

PROJECT: Genative

AGAT WORK ORDER: 19T476758

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Jun 17, 2019

PAGES (INCLUDING COVER): 12

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 19T476758

PROJECT: Genative

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Freeman Smith

(200-) Sample Login Weight

DATE SAMPLED: Jun 05, 2019 | DATE RECEIVED: Jun 06, 2019 | DATE REPORTED: Jun 17, 2019 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
Turn-01 (253959)	2.41
Turn-02 (253960)	1.29
Turn-03 (253961)	2.11
Turn-04 (253962)	1.79
Turn-05 (253963)	3.80
Turn-06 (253964)	2.43
TD-01 (253965)	1.47
TD-02 (253966)	3.50
TD-03 (253967)	0.76
TD-04 (253968)	2.40
TD-05 (253969)	1.91
TD-06 (253970)	1.18
WG-01 (253971)	1.35
Vinc-01 (253972)	1.87
Oakes-01 (253973)	0.51
Oakes-02 (253974)	1.91
Mud-01 (253975)	1.23
Mud-02 (253976)	3.11
Miner-01 (253977)	0.83
Miner-02 (253978)	1.45
Miner-03 (253979)	1.54
LN-01 (253980)	2.82
Titan-01 (253981)	2.43

Comments: RDL - Reported Detection Limit

Certified By: Sherin Moussa

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AGAT WORK ORDER: 19T476758

PROJECT: Genative

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Freeman Smith

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jun 05, 2019 | DATE RECEIVED: Jun 06, 2019 | DATE REPORTED: Jun 17, 2019 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
Turn-01 (253959)	0.6	3.93	3	126	0.5	<1	1.15	<0.5	29	7.0	127	11.8	5.46	20
Turn-02 (253960)	0.6	0.03	<1	3	<0.5	<1	0.01	<0.5	<1	6.1	248	3.3	5.29	14
Turn-03 (253961)	13.3	4.11	<1	33	1.0	6	1.97	<0.5	13	13.9	241	19.0	6.75	23
Turn-04 (253962)	27.3	2.30	16	174	0.9	13	1.67	<0.5	2	32.1	285	57.5	6.83	24
Turn-05 (253963)	2.6	7.65	11	102	0.9	<1	2.60	<0.5	13	61.6	130	459	14.8	55
Turn-06 (253964)	12.6	5.83	34	291	1.2	16	0.33	<0.5	17	24.1	249	92.7	6.47	27
TD-01 (253965)	<0.5	2.12	1	171	<0.5	<1	5.55	<0.5	<1	12.4	239	41.4	2.72	7
TD-02 (253966)	14.8	0.18	2	18	<0.5	<1	0.05	<0.5	2	9.4	231	>10000	4.25	11
TD-03 (253967)	<0.5	6.03	7	1160	2.0	<1	5.41	<0.5	92	23.6	253	2020	4.89	23
TD-04 (253968)	<0.5	2.99	23	310	1.0	<1	3.45	<0.5	4	19.5	245	133	4.55	17
TD-05 (253969)	<0.5	6.38	1	77	1.4	<1	4.10	<0.5	5	34.0	157	88.9	6.56	29
TD-06 (253970)	<0.5	7.22	17	172	1.2	<1	4.14	<0.5	31	16.6	157	141	3.82	20
WG-01 (253971)	<0.5	6.96	78	335	1.3	<1	1.05	1.2	34	22.8	143	33.7	10.3	34
Vinc-01 (253972)	<0.5	7.41	<1	113	1.3	<1	2.46	0.5	4	53.0	187	124	9.58	36
Oakes-01 (253973)	<0.5	6.73	<1	84	0.8	<1	8.67	<0.5	11	29.9	155	45.6	5.89	27
Oakes-02 (253974)	<0.5	8.09	5	353	1.1	<1	2.01	<0.5	27	8.4	127	31.8	2.60	19
Mud-01 (253975)	<0.5	0.56	2	36	<0.5	1	1.02	<0.5	2	3.3	210	13.9	0.63	<5
Mud-02 (253976)	4.8	0.40	8	48	<0.5	<1	0.11	<0.5	<1	422	241	5480	5.50	15
Miner-01 (253977)	<0.5	7.70	<1	41	1.2	<1	2.51	<0.5	38	6.7	85.8	52.7	2.25	15
Miner-02 (253978)	0.5	7.87	<1	146	1.2	<1	1.39	<0.5	25	15.2	79.0	856	3.28	22
Miner-03 (253979)	0.9	7.69	<1	145	1.3	<1	3.27	<0.5	11	16.3	154	740	4.57	23
LN-01 (253980)	<0.5	7.43	<1	21	1.4	<1	8.48	<0.5	3	36.4	240	106	7.47	32
Titan-01 (253981)	2.5	2.02	<1	77	1.4	2	2.20	<0.5	2	12.8	247	320	2.51	8

Certified By: Sherin Moussa

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AGAT WORK ORDER: 19T476758

PROJECT: Genative

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Freeman Smith

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jun 05, 2019 | DATE RECEIVED: Jun 06, 2019 | DATE REPORTED: Jun 17, 2019 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
Turn-01 (253959)	<1	0.50	13	2	0.06	178	22.5	2.41	5.9	303	4	16	5.13	2
Turn-02 (253960)	<1	<0.01	<2	<1	<0.01	30	19.7	0.01	6.7	<10	4	<10	4.57	2
Turn-03 (253961)	<1	0.06	6	2	0.91	539	118	2.41	15.7	1360	33	<10	3.42	<1
Turn-04 (253962)	<1	0.71	<2	6	0.55	443	37.8	0.34	6.6	275	9	17	5.36	1
Turn-05 (253963)	<1	0.35	6	16	3.17	1490	12.9	1.72	40.3	722	4	<10	2.48	3
Turn-06 (253964)	<1	1.10	8	14	0.95	401	31.0	1.89	8.3	336	8	30	1.83	1
TD-01 (253965)	<1	0.47	<2	16	1.04	820	15.4	0.39	20.9	68	<1	14	0.27	<1
TD-02 (253966)	<1	0.01	<2	<1	0.02	32	32.4	0.14	12.1	117	<1	<10	3.52	1
TD-03 (253967)	<1	1.17	41	3	3.70	1120	17.6	2.99	109	2330	<1	51	0.25	<1
TD-04 (253968)	<1	0.71	2	4	0.96	966	19.0	1.11	29.6	198	2	19	0.60	<1
TD-05 (253969)	<1	0.10	2	<1	1.13	1960	24.1	5.26	59.9	476	1	<10	0.55	<1
TD-06 (253970)	<1	0.37	15	2	0.94	948	19.8	5.25	24.3	819	<1	12	0.63	<1
WG-01 (253971)	<1	1.65	16	57	1.37	5750	6.9	0.27	53.8	724	18	49	1.35	3
Vinc-01 (253972)	<1	0.28	2	20	2.42	1090	6.3	4.27	157	335	<1	11	4.53	2
Oakes-01 (253973)	<1	0.30	6	23	2.09	1370	9.7	1.22	41.7	240	<1	<10	0.07	1
Oakes-02 (253974)	<1	2.10	14	11	0.40	459	12.3	2.36	7.2	560	<1	57	1.19	<1
Mud-01 (253975)	<1	0.21	<2	1	0.11	256	24.6	0.03	8.7	40	<1	<10	0.03	<1
Mud-02 (253976)	<1	0.22	<2	<1	0.06	76	27.1	0.02	107	<10	<1	<10	5.31	1
Miner-01 (253977)	<1	0.33	22	3	1.18	481	6.7	5.00	19.6	829	<1	11	<0.01	<1
Miner-02 (253978)	<1	0.94	15	15	0.87	272	9.5	4.04	5.1	764	<1	31	0.28	<1
Miner-03 (253979)	<1	1.21	6	20	1.93	409	6.8	2.42	40.0	404	<1	42	0.09	<1
LN-01 (253980)	<1	0.04	2	10	2.78	1560	5.3	1.36	101	335	<1	<10	0.27	<1
Titan-01 (253981)	<1	0.78	<2	18	0.85	412	28.6	0.46	18.5	120	70	42	0.68	<1

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Certificate of Analysis

AGAT WORK ORDER: 19T476758

PROJECT: Genative

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Freeman Smith

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jun 05, 2019 | DATE RECEIVED: Jun 06, 2019 | DATE REPORTED: Jun 17, 2019 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
Turn-01 (253959)	4	<10	<5	61	<10	<10	<5	0.06	<5	<5	18.1	<1	7	8.3
Turn-02 (253960)	<1	<10	<5	1	<10	<10	<5	<0.01	<5	9	<0.5	<1	<1	<0.5
Turn-03 (253961)	15	<10	<5	61	<10	14	<5	0.38	<5	<5	74.2	<1	19	41.2
Turn-04 (253962)	13	<10	<5	34	<10	26	<5	0.29	<5	9	112	<1	4	17.3
Turn-05 (253963)	36	<10	<5	64	<10	11	<5	0.32	<5	20	237	<1	6	136
Turn-06 (253964)	19	<10	<5	48	<10	25	<5	0.27	<5	<5	154	<1	5	54.1
TD-01 (253965)	10	<10	<5	25	<10	<10	<5	0.11	<5	<5	68.7	<1	4	20.2
TD-02 (253966)	<1	<10	<5	10	<10	<10	<5	<0.01	<5	7	3.2	<1	<1	17.6
TD-03 (253967)	24	<10	<5	555	<10	<10	<5	0.23	<5	<5	188	<1	16	60.7
TD-04 (253968)	18	<10	<5	111	<10	<10	<5	0.30	<5	<5	166	<1	6	34.5
TD-05 (253969)	31	<10	<5	223	<10	<10	<5	0.40	<5	7	241	13	8	54.1
TD-06 (253970)	13	<10	<5	290	<10	<10	<5	0.30	<5	<5	91.7	2	11	41.0
WG-01 (253971)	17	<10	<5	121	<10	<10	<5	0.15	<5	<5	129	1	9	417
Vinc-01 (253972)	38	<10	<5	63	<10	<10	<5	0.58	<5	10	266	<1	20	96.2
Oakes-01 (253973)	28	<10	<5	166	<10	<10	<5	0.35	<5	<5	187	<1	15	49.6
Oakes-02 (253974)	7	<10	<5	210	<10	<10	<5	0.14	<5	<5	59.3	<1	7	29.5
Mud-01 (253975)	2	<10	<5	26	<10	<10	<5	0.02	<5	<5	7.7	<1	4	2.9
Mud-02 (253976)	2	<10	<5	6	<10	<10	<5	0.04	<5	9	15.5	<1	<1	1.6
Miner-01 (253977)	8	<10	<5	143	<10	<10	<5	0.26	<5	<5	43.1	<1	12	35.0
Miner-02 (253978)	5	<10	<5	200	<10	<10	<5	0.25	<5	<5	20.5	<1	8	44.1
Miner-03 (253979)	11	<10	<5	240	<10	<10	<5	0.29	<5	<5	84.7	<1	8	47.2
LN-01 (253980)	38	<10	<5	143	<10	<10	<5	0.62	<5	<5	276	<1	22	156
Titan-01 (253981)	10	<10	<5	47	<10	<10	<5	0.18	<5	<5	77.7	<1	5	71.6

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 19T476758

PROJECT: Genative

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Freeman Smith

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jun 05, 2019 | DATE RECEIVED: Jun 06, 2019 | DATE REPORTED: Jun 17, 2019 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
Turn-01 (253959)	73
Turn-02 (253960)	<5
Turn-03 (253961)	14
Turn-04 (253962)	11
Turn-05 (253963)	23
Turn-06 (253964)	43
TD-01 (253965)	<5
TD-02 (253966)	<5
TD-03 (253967)	61
TD-04 (253968)	25
TD-05 (253969)	23
TD-06 (253970)	102
WG-01 (253971)	101
Vinc-01 (253972)	35
Oakes-01 (253973)	28
Oakes-02 (253974)	100
Mud-01 (253975)	14
Mud-02 (253976)	<5
Miner-01 (253977)	159
Miner-02 (253978)	145
Miner-03 (253979)	106
LN-01 (253980)	51
Titan-01 (253981)	10

Comments: RDL - Reported Detection Limit

253959-253981 As, Sb values may be low due to digestion losses.

Certified By: Sherin Moussa

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AGAT WORK ORDER: 19T476758

PROJECT: Genative

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Freeman Smith

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Jun 05, 2019 | DATE RECEIVED: Jun 06, 2019 | DATE REPORTED: Jun 17, 2019 | SAMPLE TYPE: Rock

Analyte:	Au	Au-Grav
Unit:	ppm	g/t
Sample ID (AGAT ID) RDL:	0.001	0.5
Turn-01 (253959)	0.356	
Turn-02 (253960)	0.197	
Turn-03 (253961)	2.21	
Turn-04 (253962)	6.21	
Turn-05 (253963)	0.403	
Turn-06 (253964)	1.62	
TD-01 (253965)	0.008	
TD-02 (253966)	0.034	
TD-03 (253967)	0.008	
TD-04 (253968)	0.011	
TD-05 (253969)	0.344	
TD-06 (253970)	0.019	
WG-01 (253971)	0.835	
Vinc-01 (253972)	0.010	
Oakes-01 (253973)	0.003	
Oakes-02 (253974)	0.229	
Mud-01 (253975)	0.006	
Mud-02 (253976)	>10	17.6
Miner-01 (253977)	0.098	
Miner-02 (253978)	0.182	
Miner-03 (253979)	0.207	
LN-01 (253980)	0.003	
Titan-01 (253981)	0.104	

Comments: RDL - Reported Detection Limit

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 19T476758

PROJECT: Genative

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Freeman Smith

Sieving - % Passing (Crushing)

DATE SAMPLED: Jun 05, 2019 | DATE RECEIVED: Jun 06, 2019 | DATE REPORTED: Jun 17, 2019 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
Turn-01 (253959)	89.80
Miner-02 (253978)	85.82

Comments: RDL - Reported Detection Limit

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 19T476758

PROJECT: Genative

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Freeman Smith

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	253959	0.6	0.9		253973	< 0.5	< 0.5	0.0%								
Al	253959	3.93	4.26	8.1%	253973	6.73	6.71	0.3%								
As	253959	3	< 1		253973	< 1	< 1	0.0%								
Ba	253959	126	139	9.8%	253973	84	84	0.0%								
Be	253959	0.55	0.59	7.0%	253973	0.8	0.8	0.0%								
Bi	253959	< 1	< 1	0.0%	253973	< 1	< 1	0.0%								
Ca	253959	1.15	1.12	2.6%	253973	8.67	8.71	0.5%								
Cd	253959	< 0.5	< 0.5	0.0%	253973	< 0.5	< 0.5	0.0%								
Ce	253959	29	31	6.7%	253973	11	11	0.0%								
Co	253959	6.98	5.55	22.8%	253973	29.9	30.1	0.7%								
Cr	253959	127	102	21.8%	253973	155	157	1.3%								
Cu	253959	11.8	11.3	4.3%	253973	45.6	59.6	26.6%								
Fe	253959	5.46	4.49	19.5%	253973	5.89	5.95	1.0%								
Ga	253959	20	20	0.0%	253973	27	26	3.8%								
In	253959	< 1	< 1	0.0%	253973	< 1	< 1	0.0%								
K	253959	0.50	0.57	13.1%	253973	0.30	0.30	0.0%								
La	253959	13	14	7.4%	253973	6	6	0.0%								
Li	253959	2	2	0.0%	253973	23	23	0.0%								
Mg	253959	0.06	0.06	0.0%	253973	2.09	2.07	1.0%								
Mn	253959	178	172	3.4%	253973	1370	1370	0.0%								
Mo	253959	22.5	20.7	8.3%	253973	9.7	9.7	0.0%								
Na	253959	2.41	2.52	4.5%	253973	1.22	1.23	0.8%								
Ni	253959	5.9	4.9	18.5%	253973	41.7	42.4	1.7%								
P	253959	303	324	6.7%	253973	240	241	0.4%								
Pb	253959	4	3	28.6%	253973	< 1	< 1	0.0%								
Rb	253959	16	18	11.8%	253973	< 10	< 10	0.0%								
S	253959	5.13	4.14	21.4%	253973	0.07	0.07	0.0%								
Sb	253959	2	< 1		253973	1	< 1									
Sc	253959	4	5	22.2%	253973	28	28	0.0%								
Se	253959	< 10	< 10	0.0%	253973	< 10	< 10	0.0%								
Sn	253959	< 5	< 5	0.0%	253973	< 5	< 5	0.0%								

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Quality Assurance - Replicate

AGAT WORK ORDER: 19T476758

PROJECT: Genative

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Freeman Smith

Sr	253959	61	63	3.2%	253973	166	168	1.2%								
Ta	253959	< 10	< 10	0.0%	253973	< 10	< 10	0.0%								
Te	253959	< 10	< 10	0.0%	253973	< 10	< 10	0.0%								
Th	253959	< 5	< 5	0.0%	253973	< 5	< 5	0.0%								
Ti	253959	0.061	0.067	9.4%	253973	0.35	0.35	0.0%								
Tl	253959	< 5	< 5	0.0%	253973	< 5	< 5	0.0%								
U	253959	< 5	< 5	0.0%	253973	< 5	< 5	0.0%								
V	253959	18.1	20.9	14.4%	253973	187	187	0.0%								
W	253959	< 1	< 1	0.0%	253973	< 1	< 1	0.0%								
Y	253959	7	9	25.0%	253973	15	14	6.9%								
Zn	253959	8.34	6.74	21.2%	253973	49.6	49.6	0.0%								
Zr	253959	73	78	6.6%	253973	28	31	10.2%								

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

	REPLICATE #1				REPLICATE #2											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	253959	0.356	0.302	16.4%	253973	0.003	0.004	28.6%								
Au-Grav									253976	17.6	17.5	0.6%				

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 19T476758

PROJECT: Genative

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Freeman Smith

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.SY-4)				CRM #2											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Al	10.95	11.05	101%	90% - 110%												
Ba	340	318	94%	90% - 110%												
Be	2.6	2.84	109%	90% - 110%												
Ca	5.72	5.59	98%	90% - 110%												
Ce	122	110	90%	90% - 110%												
Cr	12	10	83%	90% - 110%												
Cu	7	6	89%	90% - 110%												
Fe	4.34	3.96	91%	90% - 110%												
Ga	35	35	101%	90% - 110%												
K	1.37	1.44	105%	90% - 110%												
La	58	54	93%	90% - 110%												
Li	37	37	101%	90% - 110%												
Mg	0.325	0.296	91%	90% - 110%												
Na	5.267	5.209	99%	90% - 110%												
Rb	55	53	97%	90% - 110%												
Sc	1.1	1	95%	90% - 110%												
Sr	1191	1166	98%	90% - 110%												
Ti	0.172	0.163	95%	90% - 110%												
V	8	7	91%	90% - 110%												
Y	119	123	104%	90% - 110%												
Zn	93	90	97%	90% - 110%												

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

	CRM #1 (ref.GS6F)				CRM #2											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Au	6.87	6.72	98%	90% - 110%												
Au-Grav					14.9	14.3	95%	90% - 110%								

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Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 19T476758

PROJECT: Genative

ATTENTION TO: Freeman Smith

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034		ICP/OES
Al	MIN-200-12034		ICP/OES
As	MIN-200-12034		ICP/OES
Ba	MIN-200-12034		ICP/OES
Be	MIN-200-12034		ICP/OES
Bi	MIN-200-12034		ICP/OES
Ca	MIN-200-12034		ICP/OES
Cd	MIN-200-12034		ICP/OES
Ce	MIN-200-12034		ICP/OES
Co	MIN-200-12034		ICP/OES
Cr	MIN-200-12034		ICP/OES
Cu	MIN-200-12034		ICP/OES
Fe	MIN-200-12034		ICP/OES
Ga	MIN-200-12034		ICP/OES
In	MIN-200-12034		ICP/OES
K	MIN-200-12034		ICP/OES
La	MIN-200-12034		ICP/OES
Li	MIN-200-12034		ICP/OES
Mg	MIN-200-12034		ICP/OES
Mn	MIN-200-12034		ICP/OES
Mo	MIN-200-12034		ICP/OES
Na	MIN-200-12034		ICP/OES
Ni	MIN-200-12034		ICP/OES
P	MIN-200-12034		ICP/OES
Pb	MIN-200-12034		ICP/OES
Rb	MIN-200-12034		ICP/OES
S	MIN-200-12034		ICP/OES
Sb	MIN-200-12034		ICP/OES
Sc	MIN-200-12034		ICP/OES
Se	MIN-200-12034		ICP/OES
Sn	MIN-200-12034		ICP/OES
Sr	MIN-200-12034		ICP/OES
Ta	MIN-200-12034		ICP/OES
Te	MIN-200-12034		ICP/OES
Th	MIN-200-12034		ICP/OES
Ti	MIN-200-12034		ICP/OES
Tl	MIN-200-12034		ICP/OES
U	MIN-200-12034		ICP/OES
V	MIN-200-12034		ICP/OES
W	MIN-200-12034		ICP/OES
Y	MIN-200-12034		ICP/OES
Zn	MIN-200-12034		ICP/OES
Zr	MIN-200-12034		ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Au-Grav	MIN-12004		BALANCE
Pass %			BALANCE

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CLIENT NAME: RIVERSIDE RESOURCES (BC) INC
#550, 800 WEST PENDER STREET
VANCOUVER , BC V6C 2V6
778-327-6671

ATTENTION TO: Freeman Smith

PROJECT:

AGAT WORK ORDER: 19T512633

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Sep 26, 2019

PAGES (INCLUDING COVER): 14

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 19T512633
PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

(200-) Sample Login Weight

DATE SAMPLED: Aug 30, 2019 | DATE RECEIVED: Aug 31, 2019 | DATE REPORTED: Sep 26, 2019 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
887112 (488892)	2.18
887113 (488893)	1.37
887114 (488894)	2.17
887115 (488895)	2.02
887116 (488896)	2.41
887117 (488897)	2.61
887118 (488898)	3.13
887119 (488899)	2.59
887120 (488900)	2.10
887121 (488901)	1.59
887122 (488902)	1.44
887123 (488903)	1.44
887124 (488904)	1.78
887125 (488905)	2.27

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT TIMMINS (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 19T512633

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 30, 2019 | DATE RECEIVED: Aug 31, 2019 | DATE REPORTED: Sep 26, 2019 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
Sample ID (AGAT ID) RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
887112 (488892)	<1	3.64	<5	<20	183	<5	0.7	2.72	<0.2	7.7	31.4	0.033	0.4	52
887113 (488893)	<1	4.74	<5	<20	1810	<5	<0.1	3.64	<0.2	493	15.8	0.028	1.4	65
887114 (488894)	2	0.92	<5	<20	4.4	<5	23.3	1.04	<0.2	2.3	4.3	0.039	<0.1	18600
887115 (488895)	1	0.90	<5	<20	21.8	<5	17.7	0.31	<0.2	1.1	6.1	0.042	0.7	1570
887116 (488896)	1	5.72	<5	<20	227	<5	0.8	0.99	<0.2	16.6	5.0	0.024	0.6	196
887117 (488897)	<1	7.49	8	67	505	<5	<0.1	1.75	<0.2	15.6	4.5	0.017	1.6	13
887118 (488898)	6	4.68	16	<20	265	<5	5.4	0.79	<0.2	11.9	6.0	0.028	0.6	158
887119 (488899)	47	2.45	<5	<20	2050	<5	47.5	0.29	0.3	15.2	27.3	0.039	0.3	3450
887120 (488900)	23	1.27	<5	<20	168	<5	7.5	0.11	0.3	5.6	6.4	0.039	0.3	6
887121 (488901)	9	1.69	<5	<20	334	<5	9.8	0.39	4.2	8.4	7.1	0.048	0.2	182
887122 (488902)	1	6.77	6	<20	456	<5	<0.1	0.35	0.3	24.5	58.0	0.018	1.3	817
887123 (488903)	<1	8.81	<5	<20	403	<5	<0.1	0.84	<0.2	30.6	59.7	0.019	8.3	72
887124 (488904)	51	0.15	<5	<20	3340	<5	271	0.29	<0.2	22.9	7.7	0.046	<0.1	325
887125 (488905)	56	3.59	<5	<20	7090	<5	118	1.98	2.8	50.2	54.9	0.035	1.7	725

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
887112 (488892)	3.47	2.16	0.60	4.46	16.2	2.77	<1	1	0.68	<0.2	1.82	3.5	13	0.26
887113 (488893)	10.5	3.81	7.41	5.06	17.9	26.8	1	6	1.53	<0.2	2.35	219	<10	0.39
887114 (488894)	0.26	0.15	0.10	2.57	2.91	0.30	<1	<1	0.06	<0.2	<0.05	1.1	14	<0.05
887115 (488895)	0.30	0.18	0.06	1.59	2.50	0.32	1	<1	<0.05	<0.2	0.14	0.5	24	<0.05
887116 (488896)	0.68	0.26	0.38	1.96	15.2	1.06	1	2	0.10	<0.2	1.24	9.2	25	<0.05
887117 (488897)	0.71	0.33	0.37	1.52	19.2	1.12	1	2	0.13	<0.2	3.80	8.3	24	<0.05
887118 (488898)	0.67	0.29	0.23	1.48	14.2	0.91	1	2	0.11	<0.2	1.77	6.2	19	<0.05
887119 (488899)	1.61	0.99	0.25	3.06	7.60	1.30	2	<1	0.29	<0.2	0.33	7.6	<10	0.11
887120 (488900)	0.27	0.11	0.08	0.88	4.56	0.41	1	<1	<0.05	<0.2	0.35	2.5	<10	<0.05
887121 (488901)	0.30	0.16	0.17	0.91	5.15	0.55	1	<1	0.06	<0.2	0.25	4.0	<10	<0.05
887122 (488902)	2.10	1.29	0.92	12.8	20.9	2.42	1	3	0.39	<0.2	2.67	11.2	26	0.19
887123 (488903)	4.53	2.61	1.34	9.08	25.3	4.69	1	3	0.82	<0.2	2.52	11.3	43	0.29
887124 (488904)	4.51	3.00	1.35	1.12	0.50	4.41	1	<1	0.89	<0.2	<0.05	8.0	<10	0.38
887125 (488905)	2.35	1.22	1.04	3.80	10.9	3.74	1	2	0.41	<0.2	0.71	22.5	19	0.12

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Certificate of Analysis

AGAT WORK ORDER: 19T512633
PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 30, 2019 | DATE RECEIVED: Aug 31, 2019 | DATE REPORTED: Sep 26, 2019 | SAMPLE TYPE: Rock

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
Sample ID (AGAT ID) RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
887112 (488892)	1.40	807	22	4	5.8	37	0.02	<5	1.11	50.8	2.10	<0.1	20	30.0
887113 (488893)	1.30	1100	13	16	243	53	0.33	38	60.5	39.7	0.18	<0.1	9	26.9
887114 (488894)	0.12	198	40	<1	1.2	14	<0.01	22	0.29	0.3	1.52	<0.1	<5	39.5
887115 (488895)	0.56	141	28	<1	0.6	15	<0.01	48	0.14	4.3	0.15	<0.1	<5	40.6
887116 (488896)	0.52	188	22	2	7.0	10	0.03	7	1.81	40.9	0.47	<0.1	<5	33.5
887117 (488897)	0.48	260	11	2	6.6	9	0.03	<5	1.70	124	0.54	<0.1	<5	32.2
887118 (488898)	0.41	154	20	1	5.3	14	0.02	127	1.36	66.3	0.99	<0.1	<5	36.1
887119 (488899)	0.08	96	27	<1	7.1	45	0.02	833	1.78	8.4	2.70	<0.1	<5	38.0
887120 (488900)	0.06	53	84	<1	2.7	12	<0.01	1090	0.66	9.3	0.41	<0.1	<5	41.3
887121 (488901)	0.07	92	96	<1	4.1	27	0.01	1680	0.96	6.7	0.43	<0.1	<5	41.5
887122 (488902)	0.90	916	14	4	12.4	69	0.06	9	2.94	70.2	4.59	<0.1	15	24.3
887123 (488903)	1.68	2780	4	8	19.1	150	0.21	31	4.06	55.1	0.27	0.1	31	22.0
887124 (488904)	0.03	160	34	1	16.3	11	0.03	1720	3.23	0.6	0.75	<0.1	<5	43.8
887125 (488905)	0.75	392	36	4	24.5	210	0.09	5750	5.96	20.6	2.84	<0.1	<5	31.9

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
887112 (488892)	1.9	<1	158	<0.5	0.49	0.4	0.41	<0.5	0.28	0.45	162	3	18.8	2.1
887113 (488893)	39.3	2	836	<0.5	2.84	18.8	0.53	<0.5	0.46	2.73	164	6	41.8	3.2
887114 (488894)	0.2	<1	10.6	<0.5	<0.05	0.2	0.03	<0.5	<0.05	<0.05	16	<1	1.5	0.1
887115 (488895)	0.2	<1	10.7	<0.5	<0.05	0.2	0.05	<0.5	<0.05	<0.05	32	<1	1.4	0.2
887116 (488896)	1.2	<1	110	<0.5	0.14	1.9	0.11	<0.5	<0.05	0.52	24	3	2.8	0.3
887117 (488897)	1.2	<1	101	<0.5	0.15	2.3	0.14	<0.5	<0.05	0.64	25	2	3.2	0.3
887118 (488898)	1.1	<1	132	<0.5	0.11	1.1	0.11	<0.5	<0.05	0.29	27	5	2.8	0.3
887119 (488899)	1.3	<1	2070	<0.5	0.21	1.6	0.05	<0.5	0.12	0.28	13	5	8.7	0.8
887120 (488900)	0.5	<1	27.4	<0.5	<0.05	0.8	0.03	<0.5	<0.05	0.14	16	2	1.3	0.1
887121 (488901)	0.6	<1	76.0	<0.5	0.07	0.9	0.03	<0.5	<0.05	0.17	9	4	1.7	0.2
887122 (488902)	2.6	<1	35.5	<0.5	0.33	3.4	0.40	<0.5	0.16	0.98	183	1	10.0	1.3
887123 (488903)	4.6	<1	164	<0.5	0.69	0.7	1.40	<0.5	0.32	0.39	322	11	21.1	2.2
887124 (488904)	4.6	1	291	<0.5	0.69	68.2	0.02	<0.5	0.41	1.23	7	1	27.3	3.0
887125 (488905)	4.6	<1	2200	<0.5	0.48	4.8	0.17	<0.5	0.17	1.24	43	11	11.6	1.0

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AGAT WORK ORDER: 19T512633
PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 30, 2019 | DATE RECEIVED: Aug 31, 2019 | DATE REPORTED: Sep 26, 2019 | SAMPLE TYPE: Rock

Analyte:	Zn	Zr
Unit:	ppm	ppm
Sample ID (AGAT ID) RDL:	5	0.5
887112 (488892)	52	44.8
887113 (488893)	74	240
887114 (488894)	25	7.3
887115 (488895)	40	4.1
887116 (488896)	12	79.0
887117 (488897)	18	96.1
887118 (488898)	32	71.0
887119 (488899)	27	37.6
887120 (488900)	<5	24.7
887121 (488901)	201	22.9
887122 (488902)	135	126
887123 (488903)	147	155
887124 (488904)	<5	6.5
887125 (488905)	76	85.2

Comments: RDL - Reported Detection Limit
Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 19T512633
PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Aug 30, 2019 | DATE RECEIVED: Aug 31, 2019 | DATE REPORTED: Sep 26, 2019 | SAMPLE TYPE: Rock

Analyte:	Au	Au-Grav
Unit:	ppm	g/t
Sample ID (AGAT ID) RDL:	0.001	0.5
887112 (488892)	0.657	
887113 (488893)	0.317	
887114 (488894)	0.028	
887115 (488895)	0.032	
887116 (488896)	0.259	
887117 (488897)	0.088	
887118 (488898)	0.325	
887119 (488899)	9.61	
887120 (488900)	6.25	
887121 (488901)	6.55	
887122 (488902)	0.076	
887123 (488903)	0.085	
887124 (488904)	0.103	
887125 (488905)	>10	20.5

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Sherin Moussa

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AGAT WORK ORDER: 19T512633

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

Sieving - % Passing (Crushing)

DATE SAMPLED: Aug 30, 2019 | DATE RECEIVED: Aug 31, 2019 | DATE REPORTED: Sep 26, 2019 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
887112 (488892)	85.48

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT TIMMINS (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 19T512633
PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Aug 30, 2019 | DATE RECEIVED: Aug 31, 2019 | DATE REPORTED: Sep 26, 2019 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
887112 (488892)	88.34

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 19T512633

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

	REPLICATE #1				REPLICATE #2											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	488892	< 1	< 1	0.0%	488905	56	53	5.5%								
Al	488892	3.64	3.50	3.9%	488905	3.59	3.43	4.6%								
As	488892	< 5	< 5	0.0%	488905	< 5	< 5	0.0%								
B	488892	< 20	< 20	0.0%	488905	< 20	< 20	0.0%								
Ba	488892	183	176	3.9%	488905	7090	6770	4.6%								
Be	488892	< 5	< 5	0.0%	488905	< 5	< 5	0.0%								
Bi	488892	0.7	0.5		488905	118	112	5.2%								
Ca	488892	2.72	2.50	8.4%	488905	1.98	1.90	4.1%								
Cd	488892	< 0.2	< 0.2	0.0%	488905	2.8	2.6	7.4%								
Ce	488892	7.66	7.17	6.6%	488905	50.2	46.8	7.0%								
Co	488892	31.4	28.4	10.0%	488905	54.9	50.9	7.6%								
Cr	488892	0.033	0.033	0.0%	488905	0.0346	0.0339	2.0%								
Cs	488892	0.37	0.31	17.6%	488905	1.69	1.62	4.2%								
Cu	488892	52	48	8.0%	488905	725	686	5.5%								
Dy	488892	3.47	3.46	0.3%	488905	2.35	2.29	2.6%								
Er	488892	2.16	2.14	0.9%	488905	1.22	1.01	18.8%								
Eu	488892	0.596	0.580	2.7%	488905	1.04	1.11	6.5%								
Fe	488892	4.46	4.20	6.0%	488905	3.80	3.67	3.5%								
Ga	488892	16.2	15.4	5.1%	488905	10.9	10.2	6.6%								
Gd	488892	2.77	2.93	5.6%	488905	3.74	3.47	7.5%								
Ge	488892	< 1	1		488905	1	1	0.0%								
Hf	488892	1	1	0.0%	488905	2	2	0.0%								
Ho	488892	0.68	0.70	2.9%	488905	0.409	0.372	9.5%								
In	488892	< 0.2	< 0.2	0.0%	488905	< 0.2	< 0.2	0.0%								
K	488892	1.82	1.72	5.6%	488905	0.707	0.671	5.2%								
La	488892	3.5	3.3	5.9%	488905	22.5	21.5	4.5%								
Li	488892	13	13	0.0%	488905	19	20	5.1%								
Lu	488892	0.265	0.270	1.9%	488905	0.12	0.12	0.0%								
Mg	488892	1.40	1.24	12.1%	488905	0.75	0.71	5.5%								
Mn	488892	807	754	6.8%	488905	392	375	4.4%								
Mo	488892	22	18	20.0%	488905	36	34	5.7%								

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Quality Assurance - Replicate

AGAT WORK ORDER: 19T512633

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

Nb	488892	4	4	0.0%	488905	4	4	0.0%								
Nd	488892	5.76	5.20	10.2%	488905	24.5	22.8	7.2%								
Ni	488892	37	35	5.6%	488905	210	203	3.4%								
P	488892	0.02	0.02	0.0%	488905	0.09	0.09	0.0%								
Pb	488892	< 5	< 5	0.0%	488905	5750	5470	5.0%								
Pr	488892	1.11	1.03	7.5%	488905	5.96	5.53	7.5%								
Rb	488892	50.8	47.9	5.9%	488905	20.6	19.4	6.0%								
S	488892	2.10	1.94	7.9%	488905	2.84	2.70	5.1%								
Sb	488892	< 0.1	< 0.1	0.0%	488905	< 0.1	< 0.1	0.0%								
Sc	488892	20	19	5.1%	488905	< 5	< 5	0.0%								
Si	488892	30.0	31.0	3.3%	488905	31.9	30.7	3.8%								
Sm	488892	1.89	1.71	10.0%	488905	4.6	4.2	9.1%								
Sn	488892	< 1	< 1	0.0%	488905	< 1	< 1	0.0%								
Sr	488892	158	148	6.5%	488905	2200	2110	4.2%								
Ta	488892	< 0.5	< 0.5	0.0%	488905	< 0.5	< 0.5	0.0%								
Tb	488892	0.493	0.507	2.8%	488905	0.481	0.432	10.7%								
Th	488892	0.4	0.4	0.0%	488905	4.79	4.33	10.1%								
Ti	488892	0.41	0.40	2.5%	488905	0.172	0.165	4.2%								
Tl	488892	< 0.5	< 0.5	0.0%	488905	< 0.5	< 0.5	0.0%								
Tm	488892	0.28	0.28	0.0%	488905	0.165	0.128	25.3%								
U	488892	0.446	0.434	2.7%	488905	1.24	1.16	6.7%								
V	488892	162	153	5.7%	488905	43	41	4.8%								
W	488892	3	3	0.0%	488905	11	10	9.5%								
Y	488892	18.8	19.1	1.6%	488905	11.6	10.5	10.0%								
Yb	488892	2.08	2.02	2.9%	488905	1.02	0.93	9.2%								
Zn	488892	52	49	5.9%	488905	76	72	5.4%								
Zr	488892	44.8	43.5	2.9%	488905	85.2	77.3	9.7%								

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

	REPLICATE #1				REPLICATE #2											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	488892	0.657	0.652	0.8%	488905	19.0	19.1	0.5%								
Au-Grav									488905	20.5	20.4	0.5%				

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 19T512633

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

	CRM #1 (ref.SY-4)				CRM #2											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Al	10.95	10.48	96%	90% - 110%												
Ba	340	335	99%	90% - 110%												
Be	2.6	2.9	110%	90% - 110%												
Ca	5.72	5.57	97%	90% - 110%												
Ce	122	115	94%	90% - 110%												
Co	2.8	2.5	90%	90% - 110%												
Cs	1.5	1.5	98%	90% - 110%												
Dy	18.2	19.7	108%	90% - 110%												
Er	14.2	14.9	105%	90% - 110%												
Eu	2.0	1.80	90%	90% - 110%												
Fe	4.34	4.12	95%	90% - 110%												
Ga	35	37	105%	90% - 110%												
Gd	14	15	105%	90% - 110%												
Hf	10.6	9.9	93%	90% - 110%												
Ho	4.3	4.1	95%	90% - 110%												
K	1.37	1.35	99%	90% - 110%												
La	58	56	97%	90% - 110%												
Li	37	36	98%	90% - 110%												
Lu	2.1	2	93%	90% - 110%												
Mg	0.325	0.3	92%	90% - 110%												
Mn	836	789	94%	90% - 110%												
Nb	13	12	94%	90% - 110%												
Nd	57	57	101%	90% - 110%												
Ni	9	10	113%	90% - 110%												
Pb	10	9	91%	90% - 110%												
Pr	15.0	14.1	94%	90% - 110%												
Rb	55	50	91%	90% - 110%												
Si	23.3	22.1	95%	90% - 110%												
Sm	12.7	13.1	103%	90% - 110%												
Sn	7.1	7.49	106%	90% - 110%												
Sr	1191	1181	99%	90% - 110%												

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CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

Tb	2.6	2.6	101%	90% - 110%												
Th	1.4	1.3	90%	90% - 110%												
Ti	0.172	0.167	97%	90% - 110%												
Tm	2.3	2.1	93%	90% - 110%												
U	0.8	0.7	90%	90% - 110%												
V	8	7	86%	90% - 110%												
Y	119	110	92%	90% - 110%												
Yb	14.8	15.2	103%	90% - 110%												
Zn	93	96	103%	90% - 110%												
Zr	517	538	104%	90% - 110%												
(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)																
	CRM #1 (ref.GS6F)				CRM #2											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Au	6.87	6.59	96%	90% - 110%												
Au-Grav					14.9	13.9	93%	90% - 110%								

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Method Summary

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

AGAT WORK ORDER: 19T512633

PROJECT:

ATTENTION TO: Freeman Smith

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12049		ICP-MS
Al	MIN-200-12001/MIN-200-12049		ICP/OES
As	MIN-200-12049		ICP-MS
B	MIN-200-12001/MIN-200-12049		ICP/OES
Ba	MIN-200-12001/MIN-200-12049		ICP/OES
Be	MIN-200-12001/MIN-200-12049		ICP/OES
Bi	MIN-200-12049		ICP-MS
Ca	MIN-200-12001/MIN-200-12049		ICP/OES
Cd	MIN-200-12049		ICP-MS
Ce	MIN-200-12049		ICP-MS
Co	MIN-200-12049		ICP-MS
Cr	MIN-200-12001/MIN-200-12049		ICP/OES
Cs	MIN-200-12049		ICP-MS
Cu	MIN-200-12001/MIN-200-12049		ICP/OES
Dy	MIN-200-12049		ICP-MS
Er	MIN-200-12049		ICP-MS
Eu	MIN-200-12049		ICP-MS
Fe	MIN-200-12001/MIN-200-12049		ICP/OES
Ga	MIN-200-12049		ICP-MS
Gd	MIN-200-12049		ICP-MS
Ge	MIN-200-12049		ICP-MS
Hf	MIN-200-12049		ICP-MS
Ho	MIN-200-12049		ICP-MS
In	MIN-200-12049		ICP-MS
K	MIN-200-12001/MIN-200-12049		ICP/OES
La	MIN-200-12049		ICP-MS
Li	MIN-200-12001/MIN-200-12049		ICP/OES
Lu	MIN-200-12049		ICP-MS
Mg	MIN-200-12001/MIN-200-12049		ICP/OES
Mn	MIN-200-12001/MIN-200-12049		ICP/OES
Mo	MIN-200-12049		ICP-MS
Nb	MIN-200-12049		ICP-MS
Nd	MIN-200-12049		ICP-MS
Ni	MIN-200-12001/MIN-200-12049		ICP/OES
P	MIN-200-12001/MIN-200-12049		ICP/OES
Pb	MIN-200-12049		ICP-MS
Pr	MIN-200-12049		ICP-MS

AGAT Laboratories

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Method Summary

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

AGAT WORK ORDER: 19T512633

PROJECT:

ATTENTION TO: Freeman Smith

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Rb	MIN-200-12049		ICP-MS
S	MIN-200-12001/MIN-200-12049		ICP/OES
Sb	MIN-200-12049		ICP-MS
Sc	MIN-200-12001/MIN-200-12049		ICP/OES
Si	MIN-200-12001/MIN-200-12049		ICP/OES
Sm	MIN-200-12049		ICP-MS
Sn	MIN-200-12049		ICP-MS
Sr	MIN-200-12001/MIN-200-12049		ICP/OES
Ta	MIN-200-12049		ICP-MS
Tb	MIN-200-12049		ICP-MS
Th	MIN-200-12049		ICP-MS
Ti	MIN-200-12001/MIN-200-12049		ICP/OES
Tl	MIN-200-12049		ICP-MS
Tm	MIN-200-12049		ICP-MS
U	MIN-200-12049		ICP-MS
V	MIN-200-12001/MIN-200-12049		ICP/OES
W	MIN-200-12049		ICP-MS
Y	MIN-200-12049		ICP-MS
Yb	MIN-200-12049		ICP-MS
Zn	MIN-200-12001/MIN-200-12049		ICP/OES
Zr	MIN-200-12049		ICP-MS
Au	MIN-12006, MIN-12004		ICP/OES
Au-Grav	MIN-12004		BALANCE
Pass %			BALANCE

CERTIFICATE OF ANALYSIS

AGAT WORK ORDER: 19T512633
PROJECT:
CLIENT NAME: RIVERSIDE RESOURCES (BC) INC
ATTENTION TO: Freeman Smith
DATE RECEIVED: Aug 31, 2019
DATE SAMPLED: Aug 30, 2019
DATE REPORTED: Sep 26, 2019

PACKAGE INFORMATION:

Work Sheet Name	Sample Ty	Package Name
X01	Rock	(200-) Sample Login Weight
X02	Rock	(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish
X03	Rock	(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)
X04	Rock	Sieving - % Passing (Crushing)
X05	Rock	Sieving - % Passing (Pulverizing)

(200-) Sample Login Weight

Sample Id	Sample Description	Analyte:	Sample Login Weight
		Unit:	kg
		RDL:	0.01
488892	887112		2.18
488893	887113		1.37
488894	887114		2.17
488895	887115		2.02
488896	887116		2.41
488897	887117		2.61
488898	887118		3.13
488899	887119		2.59
488900	887120		2.1
488901	887121		1.59
488902	887122		1.44
488903	887123		1.44
488904	887124		1.78
488905	887125		2.27

Comments: RDL - Reported Detection Limit
Analysis performed at AGAT TIMMINS (unless marked by *)

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

		Analyte:	Ag	Al	As	B	Ba	Be	Bi
		Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Id	**Sample Description**	**RDL:**	**1**	**0.01**	**5**	**20**	**0.5**	**5**	**0.1**
488892	887112		<1	3.64	<5	<20	183	<5	0.7
488893	887113		<1	4.74	<5	<20	1810	<5	<0.1
488894	887114		2	0.92	<5	<20	4.4	<5	23.3
488895	887115		1	0.9	<5	<20	21.8	<5	17.7
488896	887116		1	5.72	<5	<20	227	<5	0.8
488897	887117		<1	7.49	8	67	505	<5	<0.1
488898	887118		6	4.68	16	<20	265	<5	5.4
488899	887119		47	2.45	<5	<20	2050	<5	47.5
488900	887120		23	1.27	<5	<20	168	<5	7.5
488901	887121		9	1.69	<5	<20	334	<5	9.8
488902	887122		1	6.77	6	<20	456	<5	<0.1
488903	887123		<1	8.81	<5	<20	403	<5	<0.1
488904	887124		51	0.15	<5	<20	3340	<5	271
488905	887125		56	3.59	<5	<20	7090	<5	118

Comments: RDL - Reported Detection Limit
Analysis performed at AGAT Toronto (unless marked by *)

Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd
%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
0.05	**0.2**	**0.1**	**0.5**	**0.005**	**0.1**	**5**	**0.05**	**0.05**	**0.05**	**0.01**	**0.01**	**0.05**
2.72	<0.2	7.7	31.4	0.033	0.4	52	3.47	2.16	0.6	4.46	16.2	2.77
3.64	<0.2	493	15.8	0.028	1.4	65	10.5	3.81	7.41	5.06	17.9	26.8
1.04	<0.2	2.3	4.3	0.039	<0.1	18600	0.26	0.15	0.1	2.57	2.91	0.3
0.31	<0.2	1.1	6.1	0.042	0.7	1570	0.3	0.18	0.06	1.59	2.5	0.32
0.99	<0.2	16.6	5	0.024	0.6	196	0.68	0.26	0.38	1.96	15.2	1.06
1.75	<0.2	15.6	4.5	0.017	1.6	13	0.71	0.33	0.37	1.52	19.2	1.12
0.79	<0.2	11.9	6	0.028	0.6	158	0.67	0.29	0.23	1.48	14.2	0.91
0.29	0.3	15.2	27.3	0.039	0.3	3450	1.61	0.99	0.25	3.06	7.6	1.3
0.11	0.3	5.6	6.4	0.039	0.3	6	0.27	0.11	0.08	0.88	4.56	0.41
0.39	4.2	8.4	7.1	0.048	0.2	182	0.3	0.16	0.17	0.91	5.15	0.55
0.35	0.3	24.5	58	0.018	1.3	817	2.1	1.29	0.92	12.8	20.9	2.42
0.84	<0.2	30.6	59.7	0.019	8.3	72	4.53	2.61	1.34	9.08	25.3	4.69
0.29	<0.2	22.9	7.7	0.046	<0.1	325	4.51	3	1.35	1.12	0.5	4.41
1.98	2.8	50.2	54.9	0.035	1.7	725	2.35	1.22	1.04	3.8	10.9	3.74

Ge	Hf	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
1	**1**	**0.05**	**0.2**	**0.05**	**0.1**	**10**	**0.05**	**0.01**	**10**	**2**	**1**	**0.1**
<1	1	0.68	<0.2	1.82	3.5	13	0.26	1.4	807	22	4	5.8
1	6	1.53	<0.2	2.35	219	<10	0.39	1.3	1100	13	16	243
<1	<1	0.06	<0.2	<0.05	1.1	14	<0.05	0.12	198	40	<1	1.2
1	<1	<0.05	<0.2	0.14	0.5	24	<0.05	0.56	141	28	<1	0.6
1	2	0.1	<0.2	1.24	9.2	25	<0.05	0.52	188	22	2	7
1	2	0.13	<0.2	3.8	8.3	24	<0.05	0.48	260	11	2	6.6
1	2	0.11	<0.2	1.77	6.2	19	<0.05	0.41	154	20	1	5.3
2	<1	0.29	<0.2	0.33	7.6	<10	0.11	0.08	96	27	<1	7.1
1	<1	<0.05	<0.2	0.35	2.5	<10	<0.05	0.06	53	84	<1	2.7
1	<1	0.06	<0.2	0.25	4	<10	<0.05	0.07	92	96	<1	4.1
1	3	0.39	<0.2	2.67	11.2	26	0.19	0.9	916	14	4	12.4
1	3	0.82	<0.2	2.52	11.3	43	0.29	1.68	2780	4	8	19.1
1	<1	0.89	<0.2	<0.05	8	<10	0.38	0.03	160	34	1	16.3
1	2	0.41	<0.2	0.71	22.5	19	0.12	0.75	392	36	4	24.5

Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	Sm	Sn	Sr	Ta
ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
5	**0.01**	**5**	**0.05**	**0.2**	**0.01**	**0.1**	**5**	**0.01**	**0.1**	**1**	**0.1**	**0.5**
37	0.02	<5	1.11	50.8	2.1	<0.1	20	30	1.9	<1	158	<0.5
53	0.33	38	60.5	39.7	0.18	<0.1	9	26.9	39.3	2	836	<0.5
14	<0.01	22	0.29	0.3	1.52	<0.1	<5	39.5	0.2	<1	10.6	<0.5
15	<0.01	48	0.14	4.3	0.15	<0.1	<5	40.6	0.2	<1	10.7	<0.5
10	0.03	7	1.81	40.9	0.47	<0.1	<5	33.5	1.2	<1	110	<0.5
9	0.03	<5	1.7	124	0.54	<0.1	<5	32.2	1.2	<1	101	<0.5
14	0.02	127	1.36	66.3	0.99	<0.1	<5	36.1	1.1	<1	132	<0.5
45	0.02	833	1.78	8.4	2.7	<0.1	<5	38	1.3	<1	2070	<0.5
12	<0.01	1090	0.66	9.3	0.41	<0.1	<5	41.3	0.5	<1	27.4	<0.5
27	0.01	1680	0.96	6.7	0.43	<0.1	<5	41.5	0.6	<1	76	<0.5
69	0.06	9	2.94	70.2	4.59	<0.1	15	24.3	2.6	<1	35.5	<0.5
150	0.21	31	4.06	55.1	0.27	0.1	31	22	4.6	<1	164	<0.5
11	0.03	1720	3.23	0.6	0.75	<0.1	<5	43.8	4.6	1	291	<0.5
210	0.09	5750	5.96	20.6	2.84	<0.1	<5	31.9	4.6	<1	2200	<0.5

Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.05	**0.1**	**0.01**	**0.5**	**0.05**	**0.05**	**5**	**1**	**0.5**	**0.1**	**5**	**0.5**
0.49	0.4	0.41	<0.5	0.28	0.45	162	3	18.8	2.1	52	44.8
2.84	18.8	0.53	<0.5	0.46	2.73	164	6	41.8	3.2	74	240
<0.05	0.2	0.03	<0.5	<0.05	<0.05	16	<1	1.5	0.1	25	7.3
<0.05	0.2	0.05	<0.5	<0.05	<0.05	32	<1	1.4	0.2	40	4.1
0.14	1.9	0.11	<0.5	<0.05	0.52	24	3	2.8	0.3	12	79
0.15	2.3	0.14	<0.5	<0.05	0.64	25	2	3.2	0.3	18	96.1
0.11	1.1	0.11	<0.5	<0.05	0.29	27	5	2.8	0.3	32	71
0.21	1.6	0.05	<0.5	0.12	0.28	13	5	8.7	0.8	27	37.6
<0.05	0.8	0.03	<0.5	<0.05	0.14	16	2	1.3	0.1	<5	24.7
0.07	0.9	0.03	<0.5	<0.05	0.17	9	4	1.7	0.2	201	22.9
0.33	3.4	0.4	<0.5	0.16	0.98	183	1	10	1.3	135	126
0.69	0.7	1.4	<0.5	0.32	0.39	322	11	21.1	2.2	147	155
0.69	68.2	0.02	<0.5	0.41	1.23	7	1	27.3	3	<5	6.5
0.48	4.8	0.17	<0.5	0.17	1.24	43	11	11.6	1	76	85.2

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

		Analyte:	Au	Au-Grav
		Unit:	ppm	g/t
Sample Id	**Sample Description**	**RDL:**	**0.001**	**0.5**
488892	887112		0.657	
488893	887113		0.317	
488894	887114		0.028	
488895	887115		0.032	
488896	887116		0.259	
488897	887117		0.088	
488898	887118		0.325	
488899	887119		9.61	
488900	887120		6.25	
488901	887121		6.55	
488902	887122		0.076	
488903	887123		0.085	
488904	887124		0.103	
488905	887125		>10	20.5

Comments: RDL - Reported Detection Limit
Analysis performed at AGAT Toronto (unless marked by *)

Sieving - % Passing (Crushing)

		Analyte:	Pass %
		Unit:	%
Sample Id	**Sample Description**	**RDL:**	**0.01**
488892	887112		85.48

Comments: RDL - Reported Detection Limit
Analysis performed at AGAT TIMMINS (unless marked by *)

Sieving - % Passing (Pulverizing)

		Analyte:	Pass %
		Unit:	%
Sample Id	**Sample Description**	**RDL:**	**0.01**
488892	887112		88.34

Comments: RDL - Reported Detection Limit
Analysis performed at AGAT Toronto (unless marked by *)

Parameter	Sample Id	Original	Rep #1	RPD	Method Blank	Result Value	Reference Material
(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)							
Au	488892	0.657	0.652	0.8%	< 0.001	6.59	ref.GS6F
(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)							
Au	488905	19.0	19.1	0.5%	< 0.001		
(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)							
Au-Grav	488905	20.5	20.4	0.5%	< 0.5	13.9	
(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish							
Ag	488892	< 1	< 1	0.0%	< 1		
Al	488892	3.64	3.50	3.9%	< 0.01	10.48	ref.SY-4
As	488892	< 5	< 5	0.0%	< 5		
B	488892	< 20	< 20	0.0%	< 20		
Ba	488892	183	176	3.9%	< 0.5	335	ref.SY-4
Be	488892	< 5	< 5	0.0%	< 5	2.9	ref.SY-4
Bi	488892	0.7	0.5		< 0.1		
Ca	488892	2.72	2.50	8.4%	< 0.05	5.57	ref.SY-4
Cd	488892	< 0.2	< 0.2	0.0%	< 0.2		
Ce	488892	7.66	7.17	6.6%	< 0.1	115	ref.SY-4
Co	488892	31.4	28.4	10.0%	< 0.5	2.5	ref.SY-4
Cr	488892	0.033	0.033	0.0%	< 0.005		
Cs	488892	0.37	0.31	17.6%	< 0.1	1.5	ref.SY-4
Cu	488892	52	48	8.0%	< 5		
Dy	488892	3.47	3.46	0.3%	< 0.05	19.7	ref.SY-4
Er	488892	2.16	2.14	0.9%	< 0.05	14.9	ref.SY-4
Eu	488892	0.596	0.580	2.7%	< 0.05	1.80	ref.SY-4
Fe	488892	4.46	4.20	6.0%	< 0.01	4.12	ref.SY-4
Ga	488892	16.2	15.4	5.1%	< 0.01	37	ref.SY-4
Gd	488892	2.77	2.93	5.6%	< 0.05	15	ref.SY-4
Ge	488892	< 1	1		< 1		
Hf	488892	1	1	0.0%	< 1	9.9	ref.SY-4
Ho	488892	0.68	0.70	2.9%	< 0.05	4.1	ref.SY-4
In	488892	< 0.2	< 0.2	0.0%	< 0.2		

K	488892	1.82	1.72	5.6%	< 0.05	1.35	ref.SY-4
La	488892	3.5	3.3	5.9%	< 0.1	56	ref.SY-4
Li	488892	13	13	0.0%	< 10	36	ref.SY-4
Lu	488892	0.265	0.270	1.9%	< 0.05	2	ref.SY-4
Mg	488892	1.40	1.24	12.1%	< 0.01	0.3	ref.SY-4
Mn	488892	807	754	6.8%	< 10	789	ref.SY-4
Mo	488892	22	18	20.0%	< 2		
Nb	488892	4	4	0.0%	< 1	12	ref.SY-4
Nd	488892	5.76	5.20	10.2%	< 0.1	57	ref.SY-4
Ni	488892	37	35	5.6%	< 5	10	ref.SY-4
P	488892	0.02	0.02	0.0%	< 0.01		
Pb	488892	< 5	< 5	0.0%	< 5	9	ref.SY-4
Pr	488892	1.11	1.03	7.5%	< 0.05	14.1	ref.SY-4
Rb	488892	50.8	47.9	5.9%	< 0.2	50	ref.SY-4
S	488892	2.10	1.94	7.9%	< 0.01		
Sb	488892	< 0.1	< 0.1	0.0%	< 0.1		
Sc	488892	20	19	5.1%	< 5		
Si	488892	30.0	31.0	3.3%	< 0.01	22.1	ref.SY-4
Sm	488892	1.89	1.71	10.0%	< 0.1	13.1	ref.SY-4
Sn	488892	< 1	< 1	0.0%	< 1	7.49	ref.SY-4
Sr	488892	158	148	6.5%	< 0.1	1181	ref.SY-4
Ta	488892	< 0.5	< 0.5	0.0%	< 0.5		
Tb	488892	0.493	0.507	2.8%	< 0.05	2.6	ref.SY-4
Th	488892	0.4	0.4	0.0%	< 0.1	1.3	ref.SY-4
Ti	488892	0.41	0.40	2.5%	< 0.01	0.167	ref.SY-4
Tl	488892	< 0.5	< 0.5	0.0%	< 0.5		
Tm	488892	0.28	0.28	0.0%	< 0.05	2.1	ref.SY-4
U	488892	0.446	0.434	2.7%	< 0.05	0.7	ref.SY-4
V	488892	162	153	5.7%	< 5	7	ref.SY-4
W	488892	3	3	0.0%	< 1		
Y	488892	18.8	19.1	1.6%	< 0.5	110	ref.SY-4
Yb	488892	2.08	2.02	2.9%	< 0.1	15.2	ref.SY-4
Zn	488892	52	49	5.9%	< 5	96	ref.SY-4
Zr	488892	44.8	43.5	2.9%	< 0.5	538	ref.SY-4
(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish							
Ag	488905	56	53	5.5%	< 1		

Al	488905	3.59	3.43	4.6%	< 0.01
As	488905	< 5	< 5	0.0%	< 5
B	488905	< 20	< 20	0.0%	< 20
Ba	488905	7090	6770	4.6%	< 0.5
Be	488905	< 5	< 5	0.0%	< 5
Bi	488905	118	112	5.2%	< 0.1
Ca	488905	1.98	1.90	4.1%	< 0.05
Cd	488905	2.8	2.6	7.4%	< 0.2
Ce	488905	50.2	46.8	7.0%	< 0.1
Co	488905	54.9	50.9	7.6%	< 0.5
Cr	488905	0.0346	0.0339	2.0%	< 0.005
Cs	488905	1.69	1.62	4.2%	< 0.1
Cu	488905	725	686	5.5%	< 5
Dy	488905	2.35	2.29	2.6%	< 0.05
Er	488905	1.22	1.01	18.8%	< 0.05
Eu	488905	1.04	1.11	6.5%	< 0.05
Fe	488905	3.80	3.67	3.5%	< 0.01
Ga	488905	10.9	10.2	6.6%	< 0.01
Gd	488905	3.74	3.47	7.5%	< 0.05
Ge	488905	1	1	0.0%	< 1
Hf	488905	2	2	0.0%	< 1
Ho	488905	0.409	0.372	9.5%	< 0.05
In	488905	< 0.2	< 0.2	0.0%	< 0.2
K	488905	0.707	0.671	5.2%	< 0.05
La	488905	22.5	21.5	4.5%	< 0.1
Li	488905	19	20	5.1%	< 10
Lu	488905	0.12	0.12	0.0%	< 0.05
Mg	488905	0.75	0.71	5.5%	< 0.01
Mn	488905	392	375	4.4%	< 10
Mo	488905	36	34	5.7%	< 2
Nb	488905	4	4	0.0%	< 1
Nd	488905	24.5	22.8	7.2%	< 0.1
Ni	488905	210	203	3.4%	< 5
P	488905	0.09	0.09	0.0%	< 0.01
Pb	488905	5750	5470	5.0%	< 5
Pr	488905	5.96	5.53	7.5%	< 0.05
Rb	488905	20.6	19.4	6.0%	< 0.2

S	488905	2.84	2.70	5.1%	< 0.01
Sb	488905	< 0.1	< 0.1	0.0%	< 0.1
Sc	488905	< 5	< 5	0.0%	< 5
Si	488905	31.9	30.7	3.8%	< 0.01
Sm	488905	4.6	4.2	9.1%	< 0.1
Sn	488905	< 1	< 1	0.0%	< 1
Sr	488905	2200	2110	4.2%	< 0.1
Ta	488905	< 0.5	< 0.5	0.0%	< 0.5
Tb	488905	0.481	0.432	10.7%	< 0.05
Th	488905	4.79	4.33	10.1%	< 0.1
Ti	488905	0.172	0.165	4.2%	< 0.01
Tl	488905	< 0.5	< 0.5	0.0%	< 0.5
Tm	488905	0.165	0.128	25.3%	< 0.05
U	488905	1.24	1.16	6.7%	< 0.05
V	488905	43	41	4.8%	< 5
W	488905	11	10	9.5%	< 1
Y	488905	11.6	10.5	10.0%	< 0.5
Yb	488905	1.02	0.93	9.2%	< 0.1
Zn	488905	76	72	5.4%	< 5
Zr	488905	85.2	77.3	9.7%	< 0.5

Nominal	Recovery	Lower Limit	Upper Limit
6.87	96%	90%	110%
		90%	110%
14.9	93%	90%	110%
		90%	110%
10.95	96%	90%	110%
		90%	110%
		90%	110%
340	99%	90%	110%
2.6	110%	90%	110%
		90%	110%
5.72	97%	90%	110%
		90%	110%
122	94%	90%	110%
2.8	90%	90%	110%
		90%	110%
1.5	98%	90%	110%
		90%	110%
18.2	108%	90%	110%
14.2	105%	90%	110%
2.0	90%	90%	110%
4.34	95%	90%	110%
35	105%	90%	110%
14	105%	90%	110%
		90%	110%
10.6	93%	90%	110%
4.3	95%	90%	110%
		90%	110%

1.37	99%	90%	110%
58	97%	90%	110%
37	98%	90%	110%
2.1	93%	90%	110%
0.325	92%	90%	110%
836	94%	90%	110%
		90%	110%
13	94%	90%	110%
57	101%	90%	110%
9	**113%**	90%	110%
		90%	110%
10	91%	90%	110%
15.0	94%	90%	110%
55	91%	90%	110%
		90%	110%
		90%	110%
		90%	110%
23.3	95%	90%	110%
12.7	103%	90%	110%
7.1	106%	90%	110%
1191	99%	90%	110%
		90%	110%
2.6	101%	90%	110%
1.4	90%	90%	110%
0.172	97%	90%	110%
		90%	110%
2.3	93%	90%	110%
0.8	90%	90%	110%
8	**86%**	90%	110%
		90%	110%
119	92%	90%	110%
14.8	103%	90%	110%
93	103%	90%	110%
517	104%	90%	110%
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Final Report

Activation Laboratories

Report Number: A19-08773

Report Date: 6/8/2019

Analyte Symbol	Ag	Cd	Cu	Mn	Mo
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	0.5	1	5	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887001	< 0.2	< 0.5	82	271	2
887002	0.2	< 0.5	72	425	< 1
887003	< 0.2	< 0.5	6	45	5
887004	0.3	< 0.5	87	652	3
887005	0.2	< 0.5	79	1370	< 1
887006	< 0.2	< 0.5	35	98	4
887007	0.4	< 0.5	58	269	2
887008	< 0.2	< 0.5	49	637	< 1
887009	< 0.2	< 0.5	38	153	3
887010	< 0.2	< 0.5	12	86	5
887011	< 0.2	< 0.5	28	98	3
887012	1.7	1.6	194	449	2
887013	< 0.2	< 0.5	4	68	4
887014	0.8	< 0.5	694	786	2
887015	0.2	< 0.5	4	53	4
887016	0.2	< 0.5	146	928	< 1
887101	< 0.2	0.5	11	243	2
887102	< 0.2	< 0.5	2	99	4
887103	< 0.2	< 0.5	19	249	4
887104	0.3	< 0.5	113	1070	< 1
887105	0.2	< 0.5	128	888	< 1
887106	< 0.2	< 0.5	188	367	3
887107	0.4	< 0.5	109	2300	< 1
887108	0.4	< 0.5	49	573	< 1
887051	< 0.2	< 0.5	64	244	2
887052	< 0.2	< 0.5	102	224	3
887053	1.7	2.5	60	1200	< 1
887054	1.4	1	35	1060	< 1
887055	0.2	< 0.5	37	439	< 1
887056	< 0.2	< 0.5	14	511	3
887057	< 0.2	0.7	72	723	3

Analyte Symbol	Ag	Cd	Cu	Mn	Mo
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	0.5	1	5	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887058	0.4	< 0.5	78	911	< 1
887059	< 0.2	< 0.5	72	958	1
887060	< 0.2	< 0.5	60	744	< 1
887061	< 0.2	< 0.5	64	775	< 1
887062	0.3	< 0.5	177	113	4
887063	0.3	< 0.5	84	742	2
887064	< 0.2	< 0.5	79	1220	2
887065	< 0.2	< 0.5	34	681	< 1
887066	0.2	< 0.5	139	975	< 1

Analyte Symbol	Ni	Pb	Zn	Al	As
Unit Symbol	ppm	ppm	ppm	%	ppm
Detection Limit	1	2	2	0.01	2
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887001	60	4	26	3.97	145
887002	65	6	38	1.71	< 2
887003	5	< 2	2	0.02	< 2
887004	40	< 2	124	3.53	< 2
887005	10	5	64	2.76	2
887006	4	< 2	4	0.09	< 2
887007	9	6	57	0.81	4
887008	21	< 2	64	2.51	< 2
887009	4	< 2	9	0.08	< 2
887010	6	< 2	4	0.14	3
887011	4	23	53	0.1	59
887012	17	47	174	1.4	125
887013	3	< 2	5	0.04	< 2
887014	462	< 2	36	1.57	3
887015	3	< 2	2	0.04	< 2
887016	102	< 2	107	5.02	< 2
887101	21	< 2	18	1.73	45
887102	4	< 2	3	0.06	< 2
887103	14	< 2	4	0.34	< 2
887104	57	< 2	73	2.11	4
887105	86	29	96	3.61	2
887106	35	20	83	0.59	< 2
887107	48	< 2	106	3.57	< 2
887108	30	4	27	1.86	< 2
887051	48	5	27	3.7	122
887052	51	12	188	2.76	38
887053	60	979	733	2.86	45
887054	36	958	505	2.37	35
887055	64	11	43	1.66	12
887056	12	5	29	0.91	79
887057	20	7	312	1.11	5

Analyte Symbol	Ni	Pb	Zn	Al	As
Unit Symbol	ppm	ppm	ppm	%	ppm
Detection Limit	1	2	2	0.01	2
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887058	20	< 2	59	1.88	7
887059	34	< 2	88	1.76	6
887060	16	< 2	58	1.91	< 2
887061	36	< 2	130	1.8	3
887062	21	11	25	0.19	< 2
887063	23	< 2	45	1.82	< 2
887064	48	< 2	46	1.84	< 2
887065	42	6	85	2.69	< 2
887066	55	< 2	103	3.28	< 2

Analyte Symbol	B	Ba	Be	Bi	Ca
Unit Symbol	ppm	ppm	ppm	ppm	%
Detection Limit	10	10	0.5	2	0.01
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887001	< 10	173	0.9	< 2	1.02
887002	< 10	93	< 0.5	< 2	0.73
887003	< 10	< 10	< 0.5	< 2	0.01
887004	< 10	70	< 0.5	2	1.15
887005	< 10	158	< 0.5	3	1.75
887006	< 10	17	< 0.5	< 2	0.07
887007	< 10	16	< 0.5	< 2	0.11
887008	< 10	163	< 0.5	< 2	1.41
887009	< 10	< 10	< 0.5	3	0.15
887010	< 10	< 10	< 0.5	< 2	0.16
887011	< 10	13	< 0.5	< 2	0.26
887012	< 10	45	< 0.5	< 2	2.47
887013	< 10	10	< 0.5	< 2	0.04
887014	< 10	< 10	< 0.5	5	2.53
887015	< 10	< 10	< 0.5	< 2	0.02
887016	< 10	163	< 0.5	3	2.57
887101	< 10	67	< 0.5	< 2	0.64
887102	< 10	12	< 0.5	< 2	0.03
887103	< 10	53	< 0.5	< 2	0.38
887104	< 10	48	3.3	< 2	5.93
887105	< 10	45	< 0.5	< 2	2.01
887106	< 10	82	< 0.5	< 2	0.95
887107	< 10	26	< 0.5	5	3.28
887108	< 10	139	< 0.5	12	1.38
887051	< 10	202	0.8	< 2	0.56
887052	< 10	79	0.5	< 2	0.77
887053	< 10	35	< 0.5	< 2	1.92
887054	< 10	42	< 0.5	2	1.8
887055	< 10	38	< 0.5	< 2	1.56
887056	< 10	32	< 0.5	5	1.07
887057	< 10	25	< 0.5	< 2	1.93

Analyte Symbol	B	Ba	Be	Bi	Ca
Unit Symbol	ppm	ppm	ppm	ppm	%
Detection Limit	10	10	0.5	2	0.01
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887058	< 10	20	< 0.5	< 2	2
887059	< 10	30	< 0.5	4	1.84
887060	< 10	29	< 0.5	< 2	1.9
887061	< 10	60	< 0.5	4	0.92
887062	< 10	26	< 0.5	18	0.16
887063	< 10	222	< 0.5	< 2	1.16
887064	< 10	355	< 0.5	< 2	5.62
887065	< 10	66	< 0.5	3	2.06
887066	< 10	51	< 0.5	3	0.9

Analyte Symbol	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppm	ppm	%	ppm	ppm
Detection Limit	1	1	0.01	10	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887001	17	94	4.78	10	1
887002	14	103	3.01	< 10	< 1
887003	< 1	65	0.39	< 10	< 1
887004	29	86	6.97	10	< 1
887005	9	39	8.12	< 10	2
887006	3	58	1.24	< 10	< 1
887007	101	15	5.67	< 10	1
887008	19	41	4.75	< 10	< 1
887009	3	46	1.88	< 10	< 1
887010	2	70	0.57	< 10	< 1
887011	3	36	0.61	< 10	< 1
887012	15	49	3.27	< 10	< 1
887013	< 1	59	0.46	< 10	< 1
887014	182	64	9.79	< 10	< 1
887015	< 1	52	0.4	< 10	< 1
887016	43	307	8.39	10	3
887101	20	61	3	< 10	< 1
887102	2	55	0.47	< 10	< 1
887103	4	74	0.94	< 10	< 1
887104	29	63	7.91	< 10	2
887105	31	134	5.78	< 10	1
887106	26	69	2.07	< 10	< 1
887107	14	97	12.4	< 10	2
887108	14	95	2.68	< 10	< 1
887051	13	103	4.34	10	2
887052	19	99	4.28	< 10	2
887053	26	117	6.41	< 10	1
887054	16	100	5.24	< 10	1
887055	11	112	12.6	< 10	2
887056	5	46	2.36	< 10	< 1
887057	18	46	2.52	< 10	< 1

Analyte Symbol	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppm	ppm	%	ppm	ppm
Detection Limit	1	1	0.01	10	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887058	14	43	4.49	< 10	2
887059	21	47	6.42	< 10	1
887060	11	39	4.4	< 10	< 1
887061	25	58	5.02	< 10	2
887062	20	52	2.02	< 10	< 1
887063	9	78	3.91	< 10	< 1
887064	21	98	5.67	< 10	< 1
887065	19	86	5.06	< 10	< 1
887066	43	118	7.15	10	1

Analyte Symbol	K	La	Mg	Na	P
Unit Symbol	%	ppm	%	%	%
Detection Limit	0.01	10	0.01	0.001	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887001	1.15	29	1.56	0.162	0.055
887002	0.25	11	1.11	0.056	0.073
887003	< 0.01	< 10	< 0.01	0.024	0.001
887004	1.61	15	1.9	0.306	0.04
887005	0.34	< 10	1.38	0.271	0.062
887006	0.02	< 10	0.05	0.025	0.005
887007	0.34	17	0.44	0.095	0.029
887008	0.81	13	1.53	0.271	0.084
887009	0.03	< 10	0.04	0.019	0.001
887010	< 0.01	< 10	0.08	0.031	0.005
887011	0.02	< 10	0.05	0.031	0.002
887012	0.34	< 10	1.21	0.083	0.034
887013	0.02	< 10	0.02	0.024	0.002
887014	0.88	< 10	0.99	0.139	0.048
887015	0.01	< 10	0.02	0.025	0.001
887016	0.53	< 10	4.26	0.074	0.027
887101	0.38	11	1.22	0.085	0.027
887102	< 0.01	< 10	0.05	0.022	0.001
887103	0.15	< 10	0.24	0.054	0.014
887104	0.18	< 10	2.24	0.19	0.043
887105	1.92	11	2.25	0.28	0.047
887106	0.29	< 10	0.45	0.057	0.011
887107	0.56	10	1.83	0.317	0.041
887108	0.48	< 10	0.95	0.251	0.031
887051	1.34	26	1.46	0.131	0.054
887052	0.49	38	1.27	0.105	0.041
887053	0.1	< 10	1.66	0.034	0.035
887054	0.11	< 10	1.37	0.029	0.03
887055	0.15	13	1.45	0.049	0.089
887056	0.14	< 10	0.54	0.026	0.033
887057	0.11	10	0.29	0.102	0.061

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Analyte Symbol	K	La	Mg	Na	P
Unit Symbol	%	ppm	%	%	%
Detection Limit	0.01	10	0.01	0.001	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887058	0.07	< 10	0.96	0.225	0.064
887059	0.14	10	0.85	0.237	0.096
887060	0.11	< 10	0.75	0.193	0.084
887061	0.33	< 10	1.35	0.123	0.067
887062	0.07	< 10	0.11	0.032	0.009
887063	0.88	10	1.05	0.141	0.068
887064	0.32	22	2.23	0.086	0.087
887065	0.26	15	1.88	0.212	0.123
887066	0.29	11	1.33	0.178	0.041

Analyte Symbol	S	Sb	Sc	Sr	Ti
Unit Symbol	%	ppm	ppm	ppm	%
Detection Limit	0.01	2	1	1	0.01
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887001	0.03	3	8	49	0.19
887002	0.27	2	6	142	0.33
887003	< 0.01	< 2	< 1	< 1	< 0.01
887004	0.69	< 2	12	15	0.33
887005	0.23	3	13	16	0.14
887006	0.14	< 2	< 1	2	< 0.01
887007	2.98	< 2	6	7	0.1
887008	0.06	< 2	14	14	0.27
887009	0.86	< 2	< 1	1	< 0.01
887010	< 0.01	< 2	< 1	1	0.01
887011	0.02	< 2	< 1	3	< 0.01
887012	0.59	< 2	5	13	0.12
887013	< 0.01	< 2	< 1	< 1	< 0.01
887014	5.37	4	8	20	0.15
887015	< 0.01	< 2	< 1	2	< 0.01
887016	0.29	3	23	16	0.29
887101	< 0.01	< 2	3	14	0.08
887102	< 0.01	< 2	< 1	4	< 0.01
887103	0.02	< 2	2	6	0.05
887104	0.03	3	29	109	0.04
887105	0.4	3	12	30	0.34
887106	0.35	< 2	4	7	0.07
887107	1.21	3	10	27	0.14
887108	0.17	2	7	34	0.2
887051	0.02	3	7	36	0.17
887052	0.35	4	7	25	0.19
887053	0.21	7	12	42	0.2
887054	0.13	3	9	43	0.14
887055	0.07	4	5	128	0.08
887056	0.1	< 2	1	62	< 0.01
887057	0.38	< 2	6	20	0.24

Analyte Symbol	S	Sb	Sc	Sr	Ti
Unit Symbol	%	ppm	ppm	ppm	%
Detection Limit	0.01	2	1	1	0.01
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887058	1.42	< 2	11	22	0.27
887059	2.32	< 2	9	18	0.23
887060	0.26	< 2	13	28	0.34
887061	0.49	2	13	4	0.26
887062	0.85	< 2	< 1	4	0.02
887063	0.34	< 2	7	21	0.24
887064	0.03	< 2	11	64	0.04
887065	0.01	< 2	11	38	0.27
887066	0.93	3	25	30	0.25

Analyte Symbol	Th	Te	Tl	U	V
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	20	1	2	10	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887001	< 20	< 1	< 2	< 10	66
887002	< 20	3	< 2	< 10	50
887003	< 20	< 1	< 2	< 10	1
887004	< 20	< 1	< 2	< 10	130
887005	< 20	< 1	< 2	< 10	92
887006	< 20	< 1	< 2	< 10	5
887007	< 20	< 1	< 2	< 10	35
887008	< 20	< 1	< 2	< 10	116
887009	< 20	< 1	< 2	< 10	2
887010	< 20	< 1	< 2	< 10	7
887011	< 20	< 1	< 2	< 10	8
887012	< 20	2	< 2	< 10	59
887013	< 20	< 1	< 2	< 10	5
887014	< 20	6	< 2	< 10	66
887015	< 20	< 1	< 2	< 10	2
887016	< 20	< 1	< 2	< 10	221
887101	< 20	< 1	< 2	< 10	31
887102	< 20	< 1	< 2	< 10	3
887103	< 20	< 1	< 2	< 10	19
887104	< 20	< 1	< 2	< 10	158
887105	< 20	< 1	3	< 10	132
887106	< 20	3	< 2	< 10	32
887107	< 20	< 1	< 2	< 10	78
887108	< 20	3	< 2	< 10	57
887051	< 20	< 1	< 2	< 10	66
887052	< 20	< 1	< 2	< 10	62
887053	< 20	3	< 2	< 10	105
887054	< 20	1	< 2	< 10	83
887055	< 20	< 1	< 2	< 10	46
887056	< 20	< 1	< 2	< 10	14
887057	< 20	2	< 2	< 10	47

Analyte Symbol	Th	Te	Tl	U	V
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	20	1	2	10	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887058	< 20	< 1	< 2	< 10	90
887059	< 20	< 1	< 2	< 10	81
887060	< 20	1	3	< 10	130
887061	< 20	2	< 2	< 10	140
887062	< 20	10	< 2	< 10	8
887063	< 20	< 1	< 2	< 10	68
887064	< 20	< 1	< 2	< 10	71
887065	< 20	3	< 2	< 10	84
887066	< 20	< 1	< 2	< 10	223

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Analyte Symbol	W	Y	Zr
Unit Symbol	ppm	ppm	ppm
Detection Limit	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP
887001	< 10	10	4
887002	< 10	9	16
887003	< 10	< 1	< 1
887004	< 10	10	11
887005	< 10	12	12
887006	< 10	< 1	1
887007	< 10	7	55
887008	< 10	14	10
887009	< 10	< 1	1
887010	< 10	2	< 1
887011	< 10	1	1
887012	< 10	7	13
887013	< 10	< 1	< 1
887014	20	8	15
887015	< 10	< 1	1
887016	< 10	9	3
887101	< 10	8	18
887102	< 10	< 1	< 1
887103	< 10	2	7
887104	< 10	29	25
887105	< 10	11	8
887106	< 10	3	4
887107	< 10	9	7
887108	< 10	6	6
887051	< 10	9	4
887052	< 10	11	17
887053	< 10	15	8
887054	< 10	11	8
887055	< 10	6	10
887056	< 10	3	3
887057	< 10	15	6

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Analyte Symbol	W	Y	Zr
Unit Symbol	ppm	ppm	ppm
Detection Limit	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP
887058	< 10	11	5
887059	< 10	15	6
887060	< 10	14	3
887061	< 10	12	6
887062	< 10	< 1	2
887063	< 10	8	6
887064	< 10	12	4
887065	< 10	14	3
887066	< 10	11	18

Analyte Symbol	Ag	Cd	Cu	Mn	Mo
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	0.5	1	5	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	69	1040	1
GXR-6 Cert	1.3	1	66	1010	2.4
GXR-6 Meas	0.4	< 0.5	68	1070	1
GXR-6 Cert	1.3	1	66	1010	2.4
GXR-6 Meas	0.4	< 0.5	74	1080	1
GXR-6 Cert	1.3	1	66	1010	2.4
GXR-6 Meas	0.4	< 0.5	71	1060	1
GXR-6 Cert	1.3	1	66	1010	2.4
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2140	737	< 1
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69
OREAS 922 (AQUA REGIA) Meas	1	< 0.5	2170	750	< 1
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2180	780	< 1
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69
OREAS 922 (AQUA REGIA) Meas	1.4	< 0.5	2220	763	< 1
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69
OREAS 923 (AQUA REGIA) Meas	1.9	< 0.5	4330	845	< 1
OREAS 923 (AQUA REGIA) Cert	1.62	0.4	4248	850	0.84
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4440	866	< 1
OREAS 923 (AQUA REGIA) Cert	1.62	0.4	4248	850	0.84
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4640	885	< 1
OREAS 923 (AQUA REGIA) Cert	1.62	0.4	4248	850	0.84
OREAS 923 (AQUA REGIA) Meas	1.8	< 0.5	4430	862	< 1
OREAS 923 (AQUA REGIA) Cert	1.62	0.4	4248	850	0.84
Oreas 96 (Aqua Regia) Meas	11		> 10000		
Oreas 96 (Aqua Regia) Cert	11.5		39100		
Oreas 96 (Aqua Regia) Meas	10.9		> 10000		
Oreas 96 (Aqua Regia) Cert	11.5		39100		
Oreas 96 (Aqua Regia) Meas	11.6		> 10000		
Oreas 96 (Aqua Regia) Cert	11.5		39100		
Oreas 96 (Aqua Regia) Meas	10.9		> 10000		

Analyte Symbol	Ag	Cd	Cu	Mn	Mo
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	0.5	1	5	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Cert	11.5		39100		
Oreas 621 (Aqua Regia) Meas	66.3	279	3430	531	13
Oreas 621 (Aqua Regia) Cert	68	278	3660	520	13.3
Oreas 621 (Aqua Regia) Meas	67.3	283	3370	535	13
Oreas 621 (Aqua Regia) Cert	68	278	3660	520	13.3
Oreas 621 (Aqua Regia) Meas	69.2	286	3580	541	14
Oreas 621 (Aqua Regia) Cert	68	278	3660	520	13.3
OREAS 45f (Aqua Regia) Meas			332	162	< 1
OREAS 45f (Aqua Regia) Cert			336	150	1.19
OREAS 45f (Aqua Regia) Meas			341	164	< 1
OREAS 45f (Aqua Regia) Cert			336	150	1.19
OREAS 45f (Aqua Regia) Meas			367	171	< 1
OREAS 45f (Aqua Regia) Cert			336	150	1.19
OREAS 45f (Aqua Regia) Meas			353	171	< 1
OREAS 45f (Aqua Regia) Cert			336	150	1.19
887008 Orig	< 0.2	< 0.5	49	634	< 1
887008 Dup	< 0.2	< 0.5	49	640	< 1
887107 Orig	0.3	< 0.5	108	2350	< 1
887107 Dup	0.4	< 0.5	111	2260	< 1
887058 Orig	0.4	< 0.5	77	908	1
887058 Dup	0.3	< 0.5	80	914	< 1
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1

Analyte Symbol	Ni	Pb	Zn	Al	As
Unit Symbol	ppm	ppm	ppm	%	ppm
Detection Limit	1	2	2	0.01	2
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	23	101	130	7.46	221
GXR-6 Cert	27	101	118	17.7	330
GXR-6 Meas	23	101	134	7.4	225
GXR-6 Cert	27	101	118	17.7	330
GXR-6 Meas	25	103	133	7.76	234
GXR-6 Cert	27	101	118	17.7	330
GXR-6 Meas	24	99	131	7.54	247
GXR-6 Cert	27	101	118	17.7	330
OREAS 922 (AQUA REGIA) Meas	32	63	264	3	5
OREAS 922 (AQUA REGIA) Cert	34.3	60	256	2.72	6.12
OREAS 922 (AQUA REGIA) Meas	31	62	266	3.06	6
OREAS 922 (AQUA REGIA) Cert	34.3	60	256	2.72	6.12
OREAS 922 (AQUA REGIA) Meas	33	62	282	3.07	5
OREAS 922 (AQUA REGIA) Cert	34.3	60	256	2.72	6.12
OREAS 922 (AQUA REGIA) Meas	33	58	271	3.09	6
OREAS 922 (AQUA REGIA) Cert	34.3	60	256	2.72	6.12
OREAS 923 (AQUA REGIA) Meas	28	84	350	3.02	6
OREAS 923 (AQUA REGIA) Cert	32.7	81	335	2.8	7.07
OREAS 923 (AQUA REGIA) Meas	30	84	350	3.16	8
OREAS 923 (AQUA REGIA) Cert	32.7	81	335	2.8	7.07
OREAS 923 (AQUA REGIA) Meas	30	84	355	3.2	7
OREAS 923 (AQUA REGIA) Cert	32.7	81	335	2.8	7.07
OREAS 923 (AQUA REGIA) Meas	30	80	352	3.02	6
OREAS 923 (AQUA REGIA) Cert	32.7	81	335	2.8	7.07
Oreas 96 (Aqua Regia) Meas		89	425		
Oreas 96 (Aqua Regia) Cert		100	448		
Oreas 96 (Aqua Regia) Meas		89	426		
Oreas 96 (Aqua Regia) Cert		100	448		
Oreas 96 (Aqua Regia) Meas		86	434		
Oreas 96 (Aqua Regia) Cert		100	448		
Oreas 96 (Aqua Regia) Meas		85	431		

Analyte Symbol	Ni	Pb	Zn	Al	As
Unit Symbol	ppm	ppm	ppm	%	ppm
Detection Limit	1	2	2	0.01	2
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Cert		100	448		
Oreas 621 (Aqua Regia) Meas	22	> 5000	> 10000	1.88	79
Oreas 621 (Aqua Regia) Cert	25.8	13600	51700	1.6	75
Oreas 621 (Aqua Regia) Meas	24	> 5000	> 10000	1.83	77
Oreas 621 (Aqua Regia) Cert	25.8	13600	51700	1.6	75
Oreas 621 (Aqua Regia) Meas	23	> 5000	> 10000	1.91	79
Oreas 621 (Aqua Regia) Cert	25.8	13600	51700	1.6	75
OREAS 45f (Aqua Regia) Meas	216	6	27	7.41	
OREAS 45f (Aqua Regia) Cert	192	12.4	22.2	4.81	
OREAS 45f (Aqua Regia) Meas	226	13	28	7.6	
OREAS 45f (Aqua Regia) Cert	192	12.4	22.2	4.81	
OREAS 45f (Aqua Regia) Meas	235	7	31	7.68	
OREAS 45f (Aqua Regia) Cert	192	12.4	22.2	4.81	
OREAS 45f (Aqua Regia) Meas	234	6	27	7.72	
OREAS 45f (Aqua Regia) Cert	192	12.4	22.2	4.81	
887008 Orig	22	2	64	2.5	< 2
887008 Dup	20	< 2	64	2.52	< 2
887107 Orig	48	2	108	3.62	< 2
887107 Dup	49	< 2	104	3.53	5
887058 Orig	18	2	58	1.86	8
887058 Dup	21	< 2	59	1.91	6
Method Blank	< 1	< 2	< 2	< 0.01	< 2
Method Blank	< 1	< 2	< 2	< 0.01	< 2
Method Blank	< 1	< 2	< 2	< 0.01	< 2
Method Blank	< 1	< 2	< 2	< 0.01	< 2
Method Blank	< 1	< 2	< 2	< 0.01	< 2
Method Blank	< 1	< 2	< 2	< 0.01	< 2
Method Blank	< 1	< 2	< 2	< 0.01	< 2

Analyte Symbol	B	Ba	Be	Bi	Ca
Unit Symbol	ppm	ppm	ppm	ppm	%
Detection Limit	10	10	0.5	2	0.01
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	< 10	640	0.9	4	0.13
GXR-6 Cert	9.8	1300	1.4	0.29	0.18
GXR-6 Meas	< 10	668	0.9	4	0.13
GXR-6 Cert	9.8	1300	1.4	0.29	0.18
GXR-6 Meas	< 10	682	0.9	5	0.13
GXR-6 Cert	9.8	1300	1.4	0.29	0.18
GXR-6 Meas	< 10	662	0.9	4	0.12
GXR-6 Cert	9.8	1300	1.4	0.29	0.18
OREAS 922 (AQUA REGIA) Meas		71	0.8	11	0.43
OREAS 922 (AQUA REGIA) Cert		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas		74	0.8	10	0.44
OREAS 922 (AQUA REGIA) Cert		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas		76	0.8	12	0.43
OREAS 922 (AQUA REGIA) Cert		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas		82	0.8	10	0.43
OREAS 922 (AQUA REGIA) Cert		70	0.65	10.3	0.324
OREAS 923 (AQUA REGIA) Meas		58	0.7	20	0.43
OREAS 923 (AQUA REGIA) Cert		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas		60	0.7	27	0.44
OREAS 923 (AQUA REGIA) Cert		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas		41	0.7	23	0.44
OREAS 923 (AQUA REGIA) Cert		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas		57	0.7	28	0.43
OREAS 923 (AQUA REGIA) Cert		54	0.61	21.8	0.326
Oreas 96 (Aqua Regia) Meas				69	
Oreas 96 (Aqua Regia) Cert				27.9	
Oreas 96 (Aqua Regia) Meas				47	
Oreas 96 (Aqua Regia) Cert				27.9	
Oreas 96 (Aqua Regia) Meas				57	
Oreas 96 (Aqua Regia) Cert				27.9	
Oreas 96 (Aqua Regia) Meas				61	

Analyte Symbol	B	Ba	Be	Bi	Ca
Unit Symbol	ppm	ppm	ppm	ppm	%
Detection Limit	10	10	0.5	2	0.01
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Cert				27.9	
Oreas 621 (Aqua Regia) Meas			0.6	11	1.79
Oreas 621 (Aqua Regia) Cert			0.53	3.85	1.65
Oreas 621 (Aqua Regia) Meas			0.6	6	1.67
Oreas 621 (Aqua Regia) Cert			0.53	3.85	1.65
Oreas 621 (Aqua Regia) Meas			0.6	5	1.76
Oreas 621 (Aqua Regia) Cert			0.53	3.85	1.65
OREAS 45f (Aqua Regia) Meas		123	1	6	0.07
OREAS 45f (Aqua Regia) Cert		158	0.98	0.17	0.075
OREAS 45f (Aqua Regia) Meas		126	1.1	8	0.07
OREAS 45f (Aqua Regia) Cert		158	0.98	0.17	0.075
OREAS 45f (Aqua Regia) Meas		137	1	5	0.07
OREAS 45f (Aqua Regia) Cert		158	0.98	0.17	0.075
OREAS 45f (Aqua Regia) Meas		132	1.1	6	0.07
OREAS 45f (Aqua Regia) Cert		158	0.98	0.17	0.075
887008 Orig	< 10	165	< 0.5	< 2	1.4
887008 Dup	< 10	162	< 0.5	2	1.42
887107 Orig	< 10	24	< 0.5	4	3.34
887107 Dup	< 10	28	< 0.5	6	3.22
887058 Orig	< 10	21	< 0.5	< 2	1.98
887058 Dup	< 10	19	< 0.5	2	2.02
Method Blank	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank	< 10	11	< 0.5	< 2	< 0.01
Method Blank	< 10	10	< 0.5	< 2	< 0.01
Method Blank	< 10	11	< 0.5	< 2	< 0.01
Method Blank	< 10	< 10	< 0.5	< 2	< 0.01

Analyte Symbol	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppm	ppm	%	ppm	ppm
Detection Limit	1	1	0.01	10	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	12	84	5.42	20	4
GXR-6 Cert	13.8	96	5.58	35	0.068
GXR-6 Meas	11	86	5.71	20	1
GXR-6 Cert	13.8	96	5.58	35	0.068
GXR-6 Meas	12	87	5.97	20	< 1
GXR-6 Cert	13.8	96	5.58	35	0.068
GXR-6 Meas	12	85	5.75	20	2
GXR-6 Cert	13.8	96	5.58	35	0.068
OREAS 922 (AQUA REGIA) Meas	19	49	4.84	< 10	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62	
OREAS 922 (AQUA REGIA) Meas	18	48	4.87	< 10	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62	
OREAS 922 (AQUA REGIA) Meas	17	48	5.35	< 10	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62	
OREAS 922 (AQUA REGIA) Meas	18	49	5.16	< 10	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62	
OREAS 923 (AQUA REGIA) Meas	20	44	5.62	< 10	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01	
OREAS 923 (AQUA REGIA) Meas	20	46	5.81	< 10	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01	
OREAS 923 (AQUA REGIA) Meas	21	46	6.22	< 10	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01	
OREAS 923 (AQUA REGIA) Meas	20	45	5.86	< 10	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01	
Oreas 96 (Aqua Regia) Meas	46				
Oreas 96 (Aqua Regia) Cert	49.2				
Oreas 96 (Aqua Regia) Meas	44				
Oreas 96 (Aqua Regia) Cert	49.2				
Oreas 96 (Aqua Regia) Meas	44				
Oreas 96 (Aqua Regia) Cert	49.2				
Oreas 96 (Aqua Regia) Meas	45				

Analyte Symbol	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppm	ppm	%	ppm	ppm
Detection Limit	1	1	0.01	10	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Cert	49.2				
Oreas 621 (Aqua Regia) Meas	31	32	3.08	< 10	4
Oreas 621 (Aqua Regia) Cert	27.9	31.3	3.43	9.29	3.93
Oreas 621 (Aqua Regia) Meas	31	34	3.31	10	3
Oreas 621 (Aqua Regia) Cert	27.9	31.3	3.43	9.29	3.93
Oreas 621 (Aqua Regia) Meas	31	32	3.34	10	4
Oreas 621 (Aqua Regia) Cert	27.9	31.3	3.43	9.29	3.93
OREAS 45f (Aqua Regia) Meas	31	353	13.4	20	< 1
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.031
OREAS 45f (Aqua Regia) Meas	34	359	13.9	20	< 1
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.031
OREAS 45f (Aqua Regia) Meas	34	356	15.3	20	< 1
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.031
OREAS 45f (Aqua Regia) Meas	31	358	14.6	20	< 1
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.031
887008 Orig	19	41	4.82	< 10	2
887008 Dup	20	42	4.68	< 10	< 1
887107 Orig	15	95	12.4	< 10	1
887107 Dup	13	98	12.3	< 10	3
887058 Orig	14	42	4.47	< 10	2
887058 Dup	14	43	4.52	< 10	2
Method Blank	< 1	< 1	< 0.01	< 10	< 1
Method Blank	< 1	< 1	< 0.01	< 10	< 1
Method Blank	< 1	< 1	< 0.01	< 10	< 1
Method Blank	< 1	< 1	< 0.01	< 10	< 1
Method Blank	< 1	< 1	< 0.01	< 10	< 1
Method Blank	< 1	< 1	< 0.01	< 10	< 1
Method Blank	< 1	< 1	< 0.01	< 10	< 1

Analyte Symbol	K	La	Mg	Na	P
Unit Symbol	%	ppm	%	%	%
Detection Limit	0.01	10	0.01	0.001	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	1.23	< 10	0.38	0.115	0.035
GXR-6 Cert	1.87	13.9	0.609	0.104	0.035
GXR-6 Meas	1.23	< 10	0.4	0.115	0.035
GXR-6 Cert	1.87	13.9	0.609	0.104	0.035
GXR-6 Meas	1.3	< 10	0.42	0.124	0.036
GXR-6 Cert	1.87	13.9	0.609	0.104	0.035
GXR-6 Meas	1.28	< 10	0.41	0.118	0.036
GXR-6 Cert	1.87	13.9	0.609	0.104	0.035
OREAS 922 (AQUA REGIA) Meas	0.51	38	1.3	0.037	0.064
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	0.021	0.063
OREAS 922 (AQUA REGIA) Meas	0.53	39	1.32	0.038	0.064
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	0.021	0.063
OREAS 922 (AQUA REGIA) Meas	0.54	39	1.4	0.041	0.063
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	0.021	0.063
OREAS 922 (AQUA REGIA) Meas	0.56	39	1.35	0.041	0.065
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	0.021	0.063
OREAS 923 (AQUA REGIA) Meas	0.43	35	1.35		0.061
OREAS 923 (AQUA REGIA) Cert	0.322	30	1.43		0.061
OREAS 923 (AQUA REGIA) Meas	0.46	36	1.41		0.063
OREAS 923 (AQUA REGIA) Cert	0.322	30	1.43		0.061
OREAS 923 (AQUA REGIA) Meas	0.46	36	1.47		0.062
OREAS 923 (AQUA REGIA) Cert	0.322	30	1.43		0.061
OREAS 923 (AQUA REGIA) Meas	0.46	36	1.41		0.06
OREAS 923 (AQUA REGIA) Cert	0.322	30	1.43		0.061
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
Oreas 96 (Aqua Regia) Meas					

Analyte Symbol	K	La	Mg	Na	P
Unit Symbol	%	ppm	%	%	%
Detection Limit	0.01	10	0.01	0.001	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Cert					
Oreas 621 (Aqua Regia) Meas	0.41	19	0.42	0.204	0.035
Oreas 621 (Aqua Regia) Cert	0.333	19.4	0.436	0.16	0.0335
Oreas 621 (Aqua Regia) Meas	0.4	19	0.45	0.2	0.032
Oreas 621 (Aqua Regia) Cert	0.333	19.4	0.436	0.16	0.0335
Oreas 621 (Aqua Regia) Meas	0.42	20	0.45	0.209	0.034
Oreas 621 (Aqua Regia) Cert	0.333	19.4	0.436	0.16	0.0335
OREAS 45f (Aqua Regia) Meas	0.11	< 10	0.18	0.052	0.02
OREAS 45f (Aqua Regia) Cert	0.082	10.7	0.152	0.032	0.022
OREAS 45f (Aqua Regia) Meas	0.12	< 10	0.18	0.053	0.021
OREAS 45f (Aqua Regia) Cert	0.082	10.7	0.152	0.032	0.022
OREAS 45f (Aqua Regia) Meas	0.12	< 10	0.19	0.057	0.021
OREAS 45f (Aqua Regia) Cert	0.082	10.7	0.152	0.032	0.022
OREAS 45f (Aqua Regia) Meas	0.12	< 10	0.19	0.056	0.022
OREAS 45f (Aqua Regia) Cert	0.082	10.7	0.152	0.032	0.022
887008 Orig	0.82	12	1.54	0.273	0.083
887008 Dup	0.81	13	1.51	0.27	0.084
887107 Orig	0.56	10	1.85	0.32	0.042
887107 Dup	0.56	10	1.81	0.315	0.041
887058 Orig	0.07	< 10	0.96	0.222	0.064
887058 Dup	0.07	< 10	0.97	0.227	0.064
Method Blank	< 0.01	< 10	< 0.01	0.015	< 0.001
Method Blank	< 0.01	< 10	< 0.01	0.017	< 0.001
Method Blank	< 0.01	< 10	< 0.01	0.016	< 0.001
Method Blank	< 0.01	< 10	< 0.01	0.018	< 0.001
Method Blank	< 0.01	< 10	< 0.01	0.018	< 0.001
Method Blank	< 0.01	< 10	< 0.01	0.018	< 0.001
Method Blank	< 0.01	< 10	< 0.01	0.017	< 0.001

Analyte Symbol	S	Sb	Sc	Sr	Ti
Unit Symbol	%	ppm	ppm	ppm	%
Detection Limit	0.01	2	1	1	0.01
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.01	3	19	28	
GXR-6 Cert	0.016	3.6	27.6	35	
GXR-6 Meas	0.01	2	19	28	
GXR-6 Cert	0.016	3.6	27.6	35	
GXR-6 Meas	0.01	< 2	19	28	
GXR-6 Cert	0.016	3.6	27.6	35	
GXR-6 Meas	0.01	5	19	28	
GXR-6 Cert	0.016	3.6	27.6	35	
OREAS 922 (AQUA REGIA) Meas	0.36	< 2	4	17	
OREAS 922 (AQUA REGIA) Cert	0.386	0.57	3.15	15	
OREAS 922 (AQUA REGIA) Meas	0.37	2	4	17	
OREAS 922 (AQUA REGIA) Cert	0.386	0.57	3.15	15	
OREAS 922 (AQUA REGIA) Meas	0.37	3	4	17	
OREAS 922 (AQUA REGIA) Cert	0.386	0.57	3.15	15	
OREAS 922 (AQUA REGIA) Meas	0.36	3	4	17	
OREAS 922 (AQUA REGIA) Cert	0.386	0.57	3.15	15	
OREAS 923 (AQUA REGIA) Meas	0.67	< 2	4	15	
OREAS 923 (AQUA REGIA) Cert	0.684	0.58	3.09	13.6	
OREAS 923 (AQUA REGIA) Meas	0.69	3	4	15	
OREAS 923 (AQUA REGIA) Cert	0.684	0.58	3.09	13.6	
OREAS 923 (AQUA REGIA) Meas	0.69	< 2	4	15	
OREAS 923 (AQUA REGIA) Cert	0.684	0.58	3.09	13.6	
OREAS 923 (AQUA REGIA) Meas	0.67	< 2	4	15	
OREAS 923 (AQUA REGIA) Cert	0.684	0.58	3.09	13.6	
Oreas 96 (Aqua Regia) Meas	3.92	6			
Oreas 96 (Aqua Regia) Cert	4.38	4.53			
Oreas 96 (Aqua Regia) Meas	3.96	5			
Oreas 96 (Aqua Regia) Cert	4.38	4.53			
Oreas 96 (Aqua Regia) Meas	3.67	6			
Oreas 96 (Aqua Regia) Cert	4.38	4.53			
Oreas 96 (Aqua Regia) Meas	3.53	8			

Analyte Symbol	S	Sb	Sc	Sr	Ti
Unit Symbol	%	ppm	ppm	ppm	%
Detection Limit	0.01	2	1	1	0.01
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Cert	4.38	4.53			
Oreas 621 (Aqua Regia) Meas	4.41	95	3	18	
Oreas 621 (Aqua Regia) Cert	4.5	107	2.2	18.9	
Oreas 621 (Aqua Regia) Meas	4.41	96	3	18	
Oreas 621 (Aqua Regia) Cert	4.5	107	2.2	18.9	
Oreas 621 (Aqua Regia) Meas	4.75	95	3	20	
Oreas 621 (Aqua Regia) Cert	4.5	107	2.2	18.9	
OREAS 45f (Aqua Regia) Meas	0.02		26	14	0.1
OREAS 45f (Aqua Regia) Cert	0.027		31.4	13.2	0.097
OREAS 45f (Aqua Regia) Meas	0.02		26	14	0.1
OREAS 45f (Aqua Regia) Cert	0.027		31.4	13.2	0.097
OREAS 45f (Aqua Regia) Meas	0.02		26	14	0.11
OREAS 45f (Aqua Regia) Cert	0.027		31.4	13.2	0.097
OREAS 45f (Aqua Regia) Meas	0.02		26	14	0.13
OREAS 45f (Aqua Regia) Cert	0.027		31.4	13.2	0.097
887008 Orig	0.06	< 2	14	14	0.27
887008 Dup	0.06	3	14	15	0.27
887107 Orig	1.21	4	10	27	0.14
887107 Dup	1.21	2	10	26	0.14
887058 Orig	1.4	2	11	22	0.27
887058 Dup	1.44	< 2	11	22	0.26
Method Blank	< 0.01	< 2	< 1	< 1	< 0.01
Method Blank	< 0.01	< 2	< 1	< 1	< 0.01
Method Blank	< 0.01	< 2	< 1	< 1	< 0.01
Method Blank	< 0.01	< 2	< 1	< 1	< 0.01
Method Blank	< 0.01	< 2	< 1	< 1	< 0.01
Method Blank	< 0.01	< 2	< 1	< 1	< 0.01
Method Blank	< 0.01	< 2	< 1	< 1	< 0.01

Analyte Symbol	Th	Te	Tl	U	V
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	20	1	2	10	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	< 20	1	< 2	< 10	172
GXR-6 Cert	5.3	0.018	2.2	1.54	186
GXR-6 Meas	< 20	< 1	< 2	< 10	177
GXR-6 Cert	5.3	0.018	2.2	1.54	186
GXR-6 Meas	< 20	< 1	< 2	< 10	181
GXR-6 Cert	5.3	0.018	2.2	1.54	186
GXR-6 Meas	< 20	< 1	< 2	< 10	181
GXR-6 Cert	5.3	0.018	2.2	1.54	186
OREAS 922 (AQUA REGIA) Meas	< 20		< 2	< 10	36
OREAS 922 (AQUA REGIA) Cert	14.5		0.14	1.98	29.4
OREAS 922 (AQUA REGIA) Meas	< 20		< 2	< 10	37
OREAS 922 (AQUA REGIA) Cert	14.5		0.14	1.98	29.4
OREAS 922 (AQUA REGIA) Meas	< 20		< 2	< 10	38
OREAS 922 (AQUA REGIA) Cert	14.5		0.14	1.98	29.4
OREAS 922 (AQUA REGIA) Meas	< 20		< 2	< 10	38
OREAS 922 (AQUA REGIA) Cert	14.5		0.14	1.98	29.4
OREAS 923 (AQUA REGIA) Meas	< 20		< 2	< 10	36
OREAS 923 (AQUA REGIA) Cert	14.3		0.12	1.8	30.6
OREAS 923 (AQUA REGIA) Meas	< 20		< 2	< 10	37
OREAS 923 (AQUA REGIA) Cert	14.3		0.12	1.8	30.6
OREAS 923 (AQUA REGIA) Meas	< 20		< 2	< 10	37
OREAS 923 (AQUA REGIA) Cert	14.3		0.12	1.8	30.6
OREAS 923 (AQUA REGIA) Meas	< 20		3	< 10	37
OREAS 923 (AQUA REGIA) Cert	14.3		0.12	1.8	30.6
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
Oreas 96 (Aqua Regia) Meas					

Analyte Symbol	Th	Te	Tl	U	V
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	20	1	2	10	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Cert					
Oreas 621 (Aqua Regia) Meas	< 20		< 2	< 10	13
Oreas 621 (Aqua Regia) Cert	5.91		0.77	1.63	10.9
Oreas 621 (Aqua Regia) Meas	< 20		< 2	< 10	14
Oreas 621 (Aqua Regia) Cert	5.91		0.77	1.63	10.9
Oreas 621 (Aqua Regia) Meas	< 20		< 2	< 10	14
Oreas 621 (Aqua Regia) Cert	5.91		0.77	1.63	10.9
OREAS 45f (Aqua Regia) Meas	< 20		< 2	< 10	202
OREAS 45f (Aqua Regia) Cert	7.67		0.12	1.09	217
OREAS 45f (Aqua Regia) Meas	< 20		< 2	< 10	202
OREAS 45f (Aqua Regia) Cert	7.67		0.12	1.09	217
OREAS 45f (Aqua Regia) Meas	< 20		< 2	< 10	211
OREAS 45f (Aqua Regia) Cert	7.67		0.12	1.09	217
OREAS 45f (Aqua Regia) Meas	< 20		< 2	< 10	213
OREAS 45f (Aqua Regia) Cert	7.67		0.12	1.09	217
887008 Orig	< 20	2	< 2	< 10	116
887008 Dup	< 20	< 1	< 2	< 10	116
887107 Orig	< 20	< 1	< 2	< 10	79
887107 Dup	< 20	< 1	< 2	< 10	76
887058 Orig	< 20	1	< 2	< 10	90
887058 Dup	< 20	< 1	< 2	< 10	91
Method Blank	< 20	< 1	2	< 10	< 1
Method Blank	< 20	< 1	2	< 10	< 1
Method Blank	< 20	< 1	< 2	< 10	< 1
Method Blank	< 20	< 1	< 2	< 10	< 1
Method Blank	< 20	< 1	2	< 10	< 1
Method Blank	< 20	< 1	< 2	< 10	< 1
Method Blank	< 20	< 1	< 2	< 10	< 1

Report Number: A19-08773
Report Date: 6/8/2019

Analyte Symbol	W	Y	Zr
Unit Symbol	ppm	ppm	ppm
Detection Limit	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	< 10	5	4
GXR-6 Cert	1.9	14	110
GXR-6 Meas	< 10	5	5
GXR-6 Cert	1.9	14	110
GXR-6 Meas	< 10	5	5
GXR-6 Cert	1.9	14	110
GXR-6 Meas	< 10	5	7
GXR-6 Cert	1.9	14	110
OREAS 922 (AQUA REGIA) Meas	< 10	24	13
OREAS 922 (AQUA REGIA) Cert	1.12	16	22.3
OREAS 922 (AQUA REGIA) Meas	< 10	24	12
OREAS 922 (AQUA REGIA) Cert	1.12	16	22.3
OREAS 922 (AQUA REGIA) Meas	< 10	24	13
OREAS 922 (AQUA REGIA) Cert	1.12	16	22.3
OREAS 922 (AQUA REGIA) Meas	< 10	25	10
OREAS 922 (AQUA REGIA) Cert	1.12	16	22.3
OREAS 923 (AQUA REGIA) Meas	< 10	22	25
OREAS 923 (AQUA REGIA) Cert	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	< 10	23	24
OREAS 923 (AQUA REGIA) Cert	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	< 10	22	20
OREAS 923 (AQUA REGIA) Cert	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	< 10	22	8
OREAS 923 (AQUA REGIA) Cert	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			
Oreas 96 (Aqua Regia) Cert			
Oreas 96 (Aqua Regia) Meas			
Oreas 96 (Aqua Regia) Cert			
Oreas 96 (Aqua Regia) Meas			
Oreas 96 (Aqua Regia) Cert			
Oreas 96 (Aqua Regia) Meas			

Report Number: A19-08773
Report Date: 6/8/2019

Analyte Symbol	W	Y	Zr
Unit Symbol	ppm	ppm	ppm
Detection Limit	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Cert			
Oreas 621 (Aqua Regia) Meas	< 10	9	59
Oreas 621 (Aqua Regia) Cert	1	6.87	55
Oreas 621 (Aqua Regia) Meas	< 10	9	33
Oreas 621 (Aqua Regia) Cert	1	6.87	55
Oreas 621 (Aqua Regia) Meas	< 10	9	52
Oreas 621 (Aqua Regia) Cert	1	6.87	55
OREAS 45f (Aqua Regia) Meas		5	9
OREAS 45f (Aqua Regia) Cert		6.74	30
OREAS 45f (Aqua Regia) Meas		5	9
OREAS 45f (Aqua Regia) Cert		6.74	30
OREAS 45f (Aqua Regia) Meas		5	10
OREAS 45f (Aqua Regia) Cert		6.74	30
OREAS 45f (Aqua Regia) Meas		5	14
OREAS 45f (Aqua Regia) Cert		6.74	30
887008 Orig	< 10	14	10
887008 Dup	< 10	14	10
887107 Orig	< 10	9	7
887107 Dup	< 10	8	8
887058 Orig	< 10	11	5
887058 Dup	< 10	11	5
Method Blank	< 10	< 1	< 1
Method Blank	< 10	< 1	< 1
Method Blank	< 10	< 1	< 1
Method Blank	< 10	< 1	< 1
Method Blank	< 10	< 1	< 1
Method Blank	< 10	< 1	< 1
Method Blank	< 10	< 1	< 1

Final Report

Activation Laboratories

Report Number: A19-08773

Report Date: 17/7/2019

Analyte Symbol	Au	Au	
Unit Symbol	ppb	g/tonne	
Detection Limit	5	0.02	
Analysis Method	FA-AA	FA-GRA	
887001	109		Long
887002	< 5		Long
887003	< 5		Oakes
887004	5		Oakes
887005	45		Oakes
887006	1030		Oakes
887007	46		Oakes
887008	< 5		Oakes
887009	> 5000	6.89	Oakes
887010	< 5		Oakes
887011	20		Oakes
887012	707		Oakes
887013	< 5		Oakes
887014	464		Oakes
887015	< 5		Oakes
887016	6		Oakes
887101	< 5		
887102	< 5		oakes, DDH-13
887103	80		Long
887104	< 5		Diabase contact
887105	8		Oakes
887106	5		Oakes
887107	> 5000	19.7	Oakes
887108	> 5000	31.9	Oakes
887051	28		Long
887052	22		Long
887053	< 5		Long
887054	< 5		Long
887055	< 5		Long
887056	< 5		Long
887057	< 5		Oakes

0.5m saw sampl in trench below r-o-w

Trench 1

Trench 1

Trench 1

Trench 1 VG

Final Report

Activation Laboratories

Report Number: A19-08773

Report Date: 17/7/2019

Analyte Symbol	Au	Au	
Unit Symbol	ppb	g/tonne	
Detection Limit	5	0.02	
Analysis Method	FA-AA	FA-GRA	
887058	5		Oakes
887059	< 5		Oakes
887060	6		Oakes
887061	< 5		Oakes
887062	770		Oakes
887063	80		Oakes
887064	12		Oakes
887065	< 5		Oakes
887066	9		Oakes

Final Report

Report Number: A19-08773

Activation Laboratories

Report Date: 17/7/2019

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Detection Limit	5	0.02
Analysis Method	FA-AA	FA-GRA
OREAS 257 Meas		14.2
OREAS 257 Cert		14.18
Oreas 221 (Fire Assay) Meas	1070	
Oreas 221 (Fire Assay) Cert	1060	
Oreas 221 (Fire Assay) Meas	1020	
Oreas 221 (Fire Assay) Cert	1060	
Oreas 221 (Fire Assay) Meas	1060	
Oreas 221 (Fire Assay) Cert	1060	
OREAS 255 (Fire Assay) Meas	4090	
OREAS 255 (Fire Assay) Cert	4080	
OREAS 255 (Fire Assay) Meas	4120	
OREAS 255 (Fire Assay) Cert	4080	
OREAS 255 (Fire Assay) Meas	4210	
OREAS 255 (Fire Assay) Cert	4080	
OREAS 229b (Fire Assay) Meas		12
OREAS 229b (Fire Assay) Cert		11.9
887010 Orig	< 5	
887010 Dup	< 5	
887015 Orig	< 5	
887015 Dup	< 5	
887104 Orig	< 5	
887104 Dup	< 5	
887107 Orig		20
887107 Dup		19.4
887055 Orig	5	
887055 Dup	< 5	
887066 Orig	8	
887066 Dup	9	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	

Final Report

Report Number: A19-08773

Activation Laboratories

Report Date: 17/7/2019

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Detection Limit	5	0.02
Analysis Method	FA-AA	FA-GRA
Method Blank	< 5	
Method Blank		< 0.02

Quality Analysis ... *Innovative Technologies*

Date Submitted: 20-Sep-19
Invoice No.: A19-12778
Invoice Date: 07-Oct-19
Your Reference:

Riverside Resources
550-800 West Pender St
Vancouver BC V6C 2V6
Canada

ATTN: Freeman Smith

CERTIFICATE OF ANALYSIS

23 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Geraldton	QOP AA-Au (Au - Fire Assay AA)	2019-09-23 18:39:46

REPORT **A19-12778**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 20-Sep-19
Invoice No.: A19-12778
Invoice Date: 07-Oct-19
Your Reference:

Riverside Resources
550-800 West Pender St
Vancouver BC V6C 2V6
Canada

ATTN: Freeman Smith

CERTIFICATE OF ANALYSIS

23 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2019-10-01 09:54:21

REPORT **A19-12778**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887163	< 5	< 0.2	< 0.5	7	129	1	7	3	7	0.49	< 2	< 10	30	< 0.5	< 2	0.46	2	36	0.74	< 10	< 1	0.12	< 10
887164	< 5	< 0.2	< 0.5	6	101	< 1	3	< 2	4	0.14	< 2	< 10	11	< 0.5	< 2	0.21	1	7	0.52	< 10	< 1	0.02	< 10
887165	< 5	< 0.2	< 0.5	3	145	1	7	< 2	8	0.50	< 2	< 10	12	< 0.5	< 2	0.66	2	14	0.83	< 10	< 1	0.01	< 10
887166	612	7.9	< 0.5	4750	267	332	7	31	24	0.56	8	< 10	62	< 0.5	< 2	0.71	6	17	1.32	< 10	2	0.26	< 10
887167	< 5	< 0.2	< 0.5	3	53	< 1	2	< 2	< 2	0.05	< 2	< 10	11	< 0.5	< 2	0.03	< 1	6	0.38	< 10	< 1	< 0.01	< 10
887168	< 5	< 0.2	< 0.5	< 1	33	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	11	< 0.5	< 2	< 0.01	< 1	3	0.26	< 10	< 1	< 0.01	< 10
887169	< 5	< 0.2	< 0.5	14	194	< 1	2	2	21	0.37	< 2	< 10	31	< 0.5	< 2	0.09	2	7	1.45	< 10	< 1	0.09	< 10
887170	< 5	< 0.2	< 0.5	1	87	< 1	< 1	5	21	0.01	< 2	< 10	26	< 0.5	< 2	0.02	< 1	4	0.41	< 10	< 1	< 0.01	< 10
887171	< 5	< 0.2	< 0.5	16	364	2	1	7	37	0.86	< 2	< 10	30	< 0.5	< 2	0.74	3	3	1.78	< 10	< 1	0.12	23
887172	< 5	< 0.2	< 0.5	4	104	< 1	1	< 2	11	0.25	< 2	< 10	32	< 0.5	< 2	0.05	< 1	3	0.75	< 10	< 1	0.11	< 10
887173	6	< 0.2	< 0.5	20	313	1	12	8	30	0.77	< 2	< 10	30	< 0.5	< 2	0.60	8	23	2.07	< 10	< 1	0.14	< 10
887174	< 5	< 0.2	< 0.5	2	62	< 1	4	< 2	4	0.04	< 2	< 10	12	< 0.5	< 2	0.06	< 1	72	0.37	< 10	< 1	< 0.01	< 10
887175	8	< 0.2	< 0.5	91	629	< 1	34	< 2	58	3.54	< 2	< 10	387	< 0.5	< 2	1.65	16	84	5.45	< 10	2	1.51	< 10
887176	< 5	< 0.2	< 0.5	4	83	< 1	7	< 2	< 2	0.11	< 2	< 10	18	< 0.5	< 2	0.07	2	125	0.55	< 10	< 1	0.03	< 10
887177	9	< 0.2	< 0.5	102	352	< 1	34	< 2	17	1.14	7	< 10	40	< 0.5	< 2	1.03	15	116	1.74	< 10	< 1	0.37	< 10
887178	17	< 0.2	< 0.5	80	237	1	13	< 2	6	0.28	< 2	< 10	21	< 0.5	< 2	0.25	4	87	0.86	< 10	< 1	0.05	< 10
887179	< 5	< 0.2	< 0.5	4	53	< 1	4	< 2	< 2	0.02	< 2	< 10	12	< 0.5	< 2	0.01	1	92	0.44	< 10	< 1	< 0.01	< 10
887180	< 5	< 0.2	< 0.5	18	308	< 1	19	< 2	24	0.82	< 2	< 10	55	< 0.5	< 2	0.81	6	109	1.57	< 10	< 1	0.20	< 10
887181	12	< 0.2	< 0.5	22	1920	2	18	7	41	2.34	2	< 10	23	< 0.5	< 2	2.13	5	83	4.74	< 10	< 1	0.16	< 10
887182	25	< 0.2	< 0.5	34	257	< 1	10	3	9	0.27	< 2	< 10	36	< 0.5	< 2	0.34	12	83	0.82	< 10	< 1	0.08	< 10
887183	< 5	< 0.2	< 0.5	177	2650	< 1	40	< 2	83	4.42	< 2	< 10	20	< 0.5	< 2	4.83	23	49	10.1	10	3	0.18	< 10
887184	167	9.7	< 0.5	3420	438	1030	4	24	47	0.69	15	< 10	65	< 0.5	< 2	1.55	3	13	1.41	< 10	< 1	0.31	< 10
887185	< 5	< 0.2	< 0.5	50	955	< 1	39	2	77	3.04	< 2	< 10	67	< 0.5	< 2	3.35	18	132	4.89	10	< 1	0.25	16

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887163	0.16	0.037	0.013	0.02	< 2	1	10	0.04	< 20	< 1	< 2	< 10	10	< 10	2	4
887164	0.07	0.024	0.003	< 0.01	< 2	< 1	4	0.01	< 20	< 1	< 2	< 10	6	> 200	1	< 1
887165	0.20	0.034	0.010	< 0.01	< 2	1	39	0.05	< 20	< 1	< 2	< 10	14	< 10	2	1
887166	0.12	0.056	0.027	0.62	12	< 1	293	0.02	< 20	5	< 2	< 10	14	< 10	3	2
887167	0.04	0.026	0.002	< 0.01	< 2	< 1	1	0.01	< 20	< 1	< 2	< 10	3	< 10	< 1	2
887168	< 0.01	0.021	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
887169	0.27	0.057	0.010	0.03	< 2	2	5	0.05	< 20	1	< 2	< 10	15	< 10	2	10
887170	< 0.01	0.043	< 0.001	< 0.01	< 2	< 1	4	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
887171	0.26	0.096	0.018	0.16	< 2	5	25	0.11	< 20	1	< 2	< 10	8	< 10	16	34
887172	0.14	0.044	0.005	0.02	< 2	1	2	0.03	< 20	< 1	2	< 10	7	< 10	< 1	6
887173	0.69	0.129	0.023	0.11	< 2	6	9	0.12	< 20	3	< 2	< 10	49	< 10	5	23
887174	0.02	0.026	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	< 1
887175	2.17	0.186	0.059	0.10	2	11	17	0.34	< 20	4	< 2	< 10	126	< 10	9	8
887176	0.06	0.040	0.004	< 0.01	< 2	< 1	1	0.01	< 20	< 1	< 2	< 10	6	< 10	< 1	2
887177	0.62	0.073	0.025	0.19	2	4	15	0.14	< 20	< 1	< 2	< 10	42	< 10	6	8
887178	0.21	0.061	0.008	< 0.01	< 2	2	3	0.03	< 20	< 1	< 2	< 10	14	< 10	1	2
887179	< 0.01	0.024	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	< 1
887180	0.69	0.134	0.043	< 0.01	< 2	5	11	0.11	< 20	4	< 2	< 10	32	< 10	6	4
887181	0.85	0.201	0.044	0.02	< 2	7	13	0.15	< 20	1	< 2	< 10	52	< 10	7	2
887182	0.25	0.050	0.007	0.05	< 2	2	5	0.04	< 20	< 1	< 2	< 10	13	< 10	2	4
887183	1.81	0.459	0.037	0.33	4	27	12	0.20	< 20	2	< 2	< 10	206	< 10	12	3
887184	0.17	0.059	0.047	0.58	17	< 1	350	< 0.01	< 20	< 1	< 2	< 10	15	< 10	4	1
887185	1.43	0.250	0.085	0.08	< 2	10	83	0.17	< 20	6	< 2	< 10	85	< 10	9	8

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	73	1010	2	23	89	121	7.21	222	< 10	898	0.9	< 2	0.14	11	80	5.87	20	2	1.20	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 922 (AQUA REGIA) Meas		1.0	< 0.5	2330	804	< 1	38	70	281	3.10	6		96	0.8	6	0.43	18	48	5.38	< 10		0.52	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2250	770	< 1	35	63	270	3.01	6		91	0.8	3	0.42	17	46	5.26	< 10		0.52	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2300	772	< 1	34	62	264	3.00	4		93	0.8	4	0.42	17	46	5.19	< 10		0.52	38
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.5	0.6	4560	865	< 1	32	81	349	3.03	9		72	0.7	20	0.43	21	44	6.04	< 10		0.43	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.9	0.7	4670	879	< 1	32	82	353	3.10	7		69	0.7	20	0.43	21	43	6.25	< 10		0.45	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	0.6	4510	862	< 1	33	82	348	3.01	8		65	0.7	7	0.42	19	43	5.98	< 10		0.45	35
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		10.8		> 10000				89	442						< 2		44						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		11.4		> 10000				91	443						< 2		45						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		10.8		> 10000				83	430						< 2		42						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
OREAS 217 (Fire Assay) Meas	326																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	335																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		65.6	267	3510	536	13	28	> 5000	> 10000	1.83	76			0.6	< 2	1.73	29	34	3.39	10	4	0.40	19

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		65.4	265	3560	531	14	27	> 5000	> 10000	1.81	78			0.6	3	1.52	28	32	3.40	< 10	5	0.39	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		67.2	270	3820	543	14	26	> 5000	> 10000	1.85	80			0.6	8	1.48	29	32	3.44	10	5	0.40	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 221 (Fire Assay) Meas	1040																						
Oreas 221 (Fire Assay) Cert	1060																						
887170 Orig		< 0.2	< 0.5	1	87	< 1	< 1	5	21	0.01	< 2	< 10	26	< 0.5	< 2	0.02	< 1	4	0.41	< 10	< 1	< 0.01	< 10
887170 Dup		< 0.2	< 0.5	1	87	< 1	< 1	5	20	0.01	< 2	< 10	25	< 0.5	< 2	0.02	< 1	4	0.41	< 10	< 1	< 0.01	< 10
887172 Orig	< 5																						
887172 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.44	0.099	0.034	0.01	2	19	30		< 20	< 1	< 2	< 10	177	< 10	5	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	1.51	0.038	0.067	0.37	3	4	17		< 20		< 2	< 10	40	< 10	23	24
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.46	0.034	0.065	0.36	2	4	16		< 20		< 2	< 10	39	< 10	23	23
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.45	0.036	0.064	0.35	3	4	16		< 20		< 2	< 10	39	< 10	23	23
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.56		0.063	0.66	2	4	15		< 20		< 2	< 10	38	< 10	21	34
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.60		0.064	0.67	4	4	15		< 20		< 2	< 10	38	< 10	21	32
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.55		0.061	0.64	< 2	4	15		< 20		< 2	< 10	38	< 10	21	30
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas				3.89	5											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
Oreas 96 (Aqua Regia) Meas				4.00	6											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
Oreas 96 (Aqua Regia) Meas				3.79	6											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
Oreas 621 (Aqua Regia) Meas	0.48	0.197	0.036	4.35	105	3	18		< 20		7	< 10	14	< 10	8	72

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.48	0.199	0.032	4.33	109	3	17		< 20		2	< 10	14	< 10	8	40
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.49	0.204	0.032	4.39	113	3	18		< 20		< 2	< 10	14	< 10	9	44
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
887170 Orig	< 0.01	0.044	< 0.001	< 0.01	< 2	< 1	4	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
887170 Dup	< 0.01	0.042	< 0.001	< 0.01	< 2	< 1	4	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
887172 Orig																
887172 Dup																
Method Blank																
Method Blank																
Method Blank																
Method Blank	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.016	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Final Report

Activation Laboratories

Report Number: A19-12778

Report Date: 7/10/2019

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887163	< 5	< 0.2	< 0.5	7	129	1	7	3	7	0.49	< 2	< 10	30
887164	< 5	< 0.2	< 0.5	6	101	< 1	3	< 2	4	0.14	< 2	< 10	11
887165	< 5	< 0.2	< 0.5	3	145	1	7	< 2	8	0.5	< 2	< 10	12
887166	612	7.9	< 0.5	4750	267	332	7	31	24	0.56	8	< 10	62
887167	< 5	< 0.2	< 0.5	3	53	< 1	2	< 2	< 2	0.05	< 2	< 10	11
887168	< 5	< 0.2	< 0.5	< 1	33	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	11
887169	< 5	< 0.2	< 0.5	14	194	< 1	2	2	21	0.37	< 2	< 10	31
887170	< 5	< 0.2	< 0.5	1	87	< 1	< 1	5	21	0.01	< 2	< 10	26
887171	< 5	< 0.2	< 0.5	16	364	2	1	7	37	0.86	< 2	< 10	30
887172	< 5	< 0.2	< 0.5	4	104	< 1	1	< 2	11	0.25	< 2	< 10	32
887173	6	< 0.2	< 0.5	20	313	1	12	8	30	0.77	< 2	< 10	30
887174	< 5	< 0.2	< 0.5	2	62	< 1	4	< 2	4	0.04	< 2	< 10	12
887175	8	< 0.2	< 0.5	91	629	< 1	34	< 2	58	3.54	< 2	< 10	387
887176	< 5	< 0.2	< 0.5	4	83	< 1	7	< 2	< 2	0.11	< 2	< 10	18
887177	9	< 0.2	< 0.5	102	352	< 1	34	< 2	17	1.14	7	< 10	40
887178	17	< 0.2	< 0.5	80	237	1	13	< 2	6	0.28	< 2	< 10	21
887179	< 5	< 0.2	< 0.5	4	53	< 1	4	< 2	< 2	0.02	< 2	< 10	12
887180	< 5	< 0.2	< 0.5	18	308	< 1	19	< 2	24	0.82	< 2	< 10	55
887181	12	< 0.2	< 0.5	22	1920	2	18	7	41	2.34	2	< 10	23
887182	25	< 0.2	< 0.5	34	257	< 1	10	3	9	0.27	< 2	< 10	36
887183	< 5	< 0.2	< 0.5	177	2650	< 1	40	< 2	83	4.42	< 2	< 10	20
887184	167	9.7	< 0.5	3420	438	1030	4	24	47	0.69	15	< 10	65
887185	< 5	< 0.2	< 0.5	50	955	< 1	39	2	77	3.04	< 2	< 10	67

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Analyte Symbol	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm
Detection Limit	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887163	< 0.5	< 2	0.46	2	36	0.74	< 10	< 1	0.12	< 10	0.16	0.037	0.013	0.02	< 2
887164	< 0.5	< 2	0.21	1	7	0.52	< 10	< 1	0.02	< 10	0.07	0.024	0.003	< 0.01	< 2
887165	< 0.5	< 2	0.66	2	14	0.83	< 10	< 1	0.01	< 10	0.2	0.034	0.01	< 0.01	< 2
887166	< 0.5	< 2	0.71	6	17	1.32	< 10	2	0.26	< 10	0.12	0.056	0.027	0.62	12
887167	< 0.5	< 2	0.03	< 1	6	0.38	< 10	< 1	< 0.01	< 10	0.04	0.026	0.002	< 0.01	< 2
887168	< 0.5	< 2	< 0.01	< 1	3	0.26	< 10	< 1	< 0.01	< 10	< 0.01	0.021	< 0.001	< 0.01	< 2
887169	< 0.5	< 2	0.09	2	7	1.45	< 10	< 1	0.09	< 10	0.27	0.057	0.01	0.03	< 2
887170	< 0.5	< 2	0.02	< 1	4	0.41	< 10	< 1	< 0.01	< 10	< 0.01	0.043	< 0.001	< 0.01	< 2
887171	< 0.5	< 2	0.74	3	3	1.78	< 10	< 1	0.12	23	0.26	0.096	0.018	0.16	< 2
887172	< 0.5	< 2	0.05	< 1	3	0.75	< 10	< 1	0.11	< 10	0.14	0.044	0.005	0.02	< 2
887173	< 0.5	< 2	0.6	8	23	2.07	< 10	< 1	0.14	< 10	0.69	0.129	0.023	0.11	< 2
887174	< 0.5	< 2	0.06	< 1	72	0.37	< 10	< 1	< 0.01	< 10	0.02	0.026	0.001	< 0.01	< 2
887175	< 0.5	< 2	1.65	16	84	5.45	< 10	2	1.51	< 10	2.17	0.186	0.059	0.1	2
887176	< 0.5	< 2	0.07	2	125	0.55	< 10	< 1	0.03	< 10	0.06	0.04	0.004	< 0.01	< 2
887177	< 0.5	< 2	1.03	15	116	1.74	< 10	< 1	0.37	< 10	0.62	0.073	0.025	0.19	2
887178	< 0.5	< 2	0.25	4	87	0.86	< 10	< 1	0.05	< 10	0.21	0.061	0.008	< 0.01	< 2
887179	< 0.5	< 2	0.01	1	92	0.44	< 10	< 1	< 0.01	< 10	< 0.01	0.024	< 0.001	< 0.01	< 2
887180	< 0.5	< 2	0.81	6	109	1.57	< 10	< 1	0.2	< 10	0.69	0.134	0.043	< 0.01	< 2
887181	< 0.5	< 2	2.13	5	83	4.74	< 10	< 1	0.16	< 10	0.85	0.201	0.044	0.02	< 2
887182	< 0.5	< 2	0.34	12	83	0.82	< 10	< 1	0.08	< 10	0.25	0.05	0.007	0.05	< 2
887183	< 0.5	< 2	4.83	23	49	10.1	10	3	0.18	< 10	1.81	0.459	0.037	0.33	4
887184	< 0.5	< 2	1.55	3	13	1.41	< 10	< 1	0.31	< 10	0.17	0.059	0.047	0.58	17
887185	< 0.5	< 2	3.35	18	132	4.89	10	< 1	0.25	16	1.43	0.25	0.085	0.08	< 2

Analyte Symbol	Sc	Sr	Ti	Th	Te	Tl	U	V
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	0.01	20	1	2	10	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887163	1	10	0.04	< 20	< 1	< 2	< 10	10
887164	< 1	4	0.01	< 20	< 1	< 2	< 10	6
887165	1	39	0.05	< 20	< 1	< 2	< 10	14
887166	< 1	293	0.02	< 20	5	< 2	< 10	14
887167	< 1	1	0.01	< 20	< 1	< 2	< 10	3
887168	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1
887169	2	5	0.05	< 20	1	< 2	< 10	15
887170	< 1	4	< 0.01	< 20	< 1	< 2	< 10	< 1
887171	5	25	0.11	< 20	1	< 2	< 10	8
887172	1	2	0.03	< 20	< 1	2	< 10	7
887173	6	9	0.12	< 20	3	< 2	< 10	49
887174	< 1	1	< 0.01	< 20	< 1	< 2	< 10	2
887175	11	17	0.34	< 20	4	< 2	< 10	126
887176	< 1	1	0.01	< 20	< 1	< 2	< 10	6
887177	4	15	0.14	< 20	< 1	< 2	< 10	42
887178	2	3	0.03	< 20	< 1	< 2	< 10	14
887179	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	1
887180	5	11	0.11	< 20	4	< 2	< 10	32
887181	7	13	0.15	< 20	1	< 2	< 10	52
887182	2	5	0.04	< 20	< 1	< 2	< 10	13
887183	27	12	0.2	< 20	2	< 2	< 10	206
887184	< 1	350	< 0.01	< 20	< 1	< 2	< 10	15
887185	10	83	0.17	< 20	6	< 2	< 10	85

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Analyte Symbol	W	Y	Zr
Unit Symbol	ppm	ppm	ppm
Detection Limit	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP
887163	< 10	2	4
887164	> 200	1	< 1
887165	< 10	2	1
887166	< 10	3	2
887167	< 10	< 1	2
887168	< 10	< 1	< 1
887169	< 10	2	10
887170	< 10	< 1	< 1
887171	< 10	16	34
887172	< 10	< 1	6
887173	< 10	5	23
887174	< 10	< 1	< 1
887175	< 10	9	8
887176	< 10	< 1	2
887177	< 10	6	8
887178	< 10	1	2
887179	< 10	< 1	< 1
887180	< 10	6	4
887181	< 10	7	2
887182	< 10	2	4
887183	< 10	12	3
887184	< 10	4	1
887185	< 10	9	8

Analyte Symbol	Au	Ag	Cd	Cu	Mn
Unit Symbol	ppb	ppm	ppm	ppm	ppm
Detection Limit	5	0.2	0.5	1	5
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	73	1010
GXR-6 Cert		1.3	1	66	1010
OREAS 922 (AQUA REGIA) Meas		1	< 0.5	2330	804
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2250	770
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2300	772
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730
OREAS 923 (AQUA REGIA) Meas		1.5	0.6	4560	865
OREAS 923 (AQUA REGIA) Cert		1.62	0.4	4248	850
OREAS 923 (AQUA REGIA) Meas		1.9	0.7	4670	879
OREAS 923 (AQUA REGIA) Cert		1.62	0.4	4248	850
OREAS 923 (AQUA REGIA) Meas		1.5	0.6	4510	862
OREAS 923 (AQUA REGIA) Cert		1.62	0.4	4248	850
Oreas 96 (Aqua Regia) Meas		10.8		> 10000	
Oreas 96 (Aqua Regia) Cert		11.5		39100	
Oreas 96 (Aqua Regia) Meas		11.4		> 10000	
Oreas 96 (Aqua Regia) Cert		11.5		39100	
Oreas 96 (Aqua Regia) Meas		10.8		> 10000	
Oreas 96 (Aqua Regia) Cert		11.5		39100	
OREAS 217 (Fire Assay) Meas	326				
OREAS 217 (Fire Assay) Cert	338				
OREAS 217 (Fire Assay) Meas	335				
OREAS 217 (Fire Assay) Cert	338				
Oreas 621 (Aqua Regia) Meas		65.6	267	3510	536
Oreas 621 (Aqua Regia) Cert		68	278	3660	520
Oreas 621 (Aqua Regia) Meas		65.4	265	3560	531
Oreas 621 (Aqua Regia) Cert		68	278	3660	520
Oreas 621 (Aqua Regia) Meas		67.2	270	3820	543
Oreas 621 (Aqua Regia) Cert		68	278	3660	520
Oreas 221 (Fire Assay) Meas	1040				

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Analyte Symbol	Au	Ag	Cd	Cu	Mn
Unit Symbol	ppb	ppm	ppm	ppm	ppm
Detection Limit	5	0.2	0.5	1	5
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 221 (Fire Assay) Cert	1060				
887170 Orig		< 0.2	< 0.5	1	87
887170 Dup		< 0.2	< 0.5	1	87
887172 Orig	< 5				
887172 Dup	< 5				
Method Blank	< 5				
Method Blank	< 5				
Method Blank	< 5				
Method Blank		< 0.2	< 0.5	< 1	< 5
Method Blank		< 0.2	< 0.5	< 1	< 5
Method Blank		< 0.2	< 0.5	< 1	< 5
Method Blank		< 0.2	< 0.5	< 1	< 5
Method Blank		< 0.2	< 0.5	< 1	< 5
Method Blank		< 0.2	< 0.5	< 1	< 5

Analyte Symbol	Mo	Ni	Pb	Zn	Al
Unit Symbol	ppm	ppm	ppm	ppm	%
Detection Limit	1	1	2	2	0.01
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	2	23	89	121	7.21
GXR-6 Cert	2.4	27	101	118	17.7
OREAS 922 (AQUA REGIA) Meas	< 1	38	70	281	3.1
OREAS 922 (AQUA REGIA) Cert	0.69	34.3	60	256	2.72
OREAS 922 (AQUA REGIA) Meas	< 1	35	63	270	3.01
OREAS 922 (AQUA REGIA) Cert	0.69	34.3	60	256	2.72
OREAS 922 (AQUA REGIA) Meas	< 1	34	62	264	3
OREAS 922 (AQUA REGIA) Cert	0.69	34.3	60	256	2.72
OREAS 923 (AQUA REGIA) Meas	< 1	32	81	349	3.03
OREAS 923 (AQUA REGIA) Cert	0.84	32.7	81	335	2.8
OREAS 923 (AQUA REGIA) Meas	< 1	32	82	353	3.1
OREAS 923 (AQUA REGIA) Cert	0.84	32.7	81	335	2.8
OREAS 923 (AQUA REGIA) Meas	< 1	33	82	348	3.01
OREAS 923 (AQUA REGIA) Cert	0.84	32.7	81	335	2.8
Oreas 96 (Aqua Regia) Meas			89	442	
Oreas 96 (Aqua Regia) Cert			100	448	
Oreas 96 (Aqua Regia) Meas			91	443	
Oreas 96 (Aqua Regia) Cert			100	448	
Oreas 96 (Aqua Regia) Meas			83	430	
Oreas 96 (Aqua Regia) Cert			100	448	
OREAS 217 (Fire Assay) Meas					
OREAS 217 (Fire Assay) Cert					
OREAS 217 (Fire Assay) Meas					
OREAS 217 (Fire Assay) Cert					
Oreas 621 (Aqua Regia) Meas	13	28	> 5000	> 10000	1.83
Oreas 621 (Aqua Regia) Cert	13.3	25.8	13600	51700	1.6
Oreas 621 (Aqua Regia) Meas	14	27	> 5000	> 10000	1.81
Oreas 621 (Aqua Regia) Cert	13.3	25.8	13600	51700	1.6
Oreas 621 (Aqua Regia) Meas	14	26	> 5000	> 10000	1.85
Oreas 621 (Aqua Regia) Cert	13.3	25.8	13600	51700	1.6
Oreas 221 (Fire Assay) Meas					

Analyte Symbol	Mo	Ni	Pb	Zn	Al
Unit Symbol	ppm	ppm	ppm	ppm	%
Detection Limit	1	1	2	2	0.01
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 221 (Fire Assay) Cert					
887170 Orig	< 1	< 1	5	21	0.01
887170 Dup	< 1	< 1	5	20	0.01
887172 Orig					
887172 Dup					
Method Blank					
Method Blank					
Method Blank					
Method Blank	< 1	< 1	< 2	< 2	< 0.01
Method Blank	< 1	< 1	< 2	< 2	< 0.01
Method Blank	< 1	< 1	< 2	< 2	< 0.01
Method Blank	< 1	< 1	< 2	< 2	< 0.01
Method Blank	< 1	< 1	< 2	< 2	< 0.01
Method Blank	< 1	< 1	< 2	< 2	< 0.01

Analyte Symbol	As	B	Ba	Be	Bi
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	10	10	0.5	2
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	222	< 10	898	0.9	< 2
GXR-6 Cert	330	9.8	1300	1.4	0.29
OREAS 922 (AQUA REGIA) Meas	6		96	0.8	6
OREAS 922 (AQUA REGIA) Cert	6.12		70	0.65	10.3
OREAS 922 (AQUA REGIA) Meas	6		91	0.8	3
OREAS 922 (AQUA REGIA) Cert	6.12		70	0.65	10.3
OREAS 922 (AQUA REGIA) Meas	4		93	0.8	4
OREAS 922 (AQUA REGIA) Cert	6.12		70	0.65	10.3
OREAS 923 (AQUA REGIA) Meas	9		72	0.7	20
OREAS 923 (AQUA REGIA) Cert	7.07		54	0.61	21.8
OREAS 923 (AQUA REGIA) Meas	7		69	0.7	20
OREAS 923 (AQUA REGIA) Cert	7.07		54	0.61	21.8
OREAS 923 (AQUA REGIA) Meas	8		65	0.7	7
OREAS 923 (AQUA REGIA) Cert	7.07		54	0.61	21.8
Oreas 96 (Aqua Regia) Meas					< 2
Oreas 96 (Aqua Regia) Cert					27.9
Oreas 96 (Aqua Regia) Meas					< 2
Oreas 96 (Aqua Regia) Cert					27.9
Oreas 96 (Aqua Regia) Meas					< 2
Oreas 96 (Aqua Regia) Cert					27.9
OREAS 217 (Fire Assay) Meas					
OREAS 217 (Fire Assay) Cert					
OREAS 217 (Fire Assay) Meas					
OREAS 217 (Fire Assay) Cert					
Oreas 621 (Aqua Regia) Meas	76			0.6	< 2
Oreas 621 (Aqua Regia) Cert	75			0.53	3.85
Oreas 621 (Aqua Regia) Meas	78			0.6	3
Oreas 621 (Aqua Regia) Cert	75			0.53	3.85
Oreas 621 (Aqua Regia) Meas	80			0.6	8
Oreas 621 (Aqua Regia) Cert	75			0.53	3.85
Oreas 221 (Fire Assay) Meas					

Analyte Symbol	As	B	Ba	Be	Bi
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	10	10	0.5	2
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 221 (Fire Assay) Cert					
887170 Orig	< 2	< 10	26	< 0.5	< 2
887170 Dup	< 2	< 10	25	< 0.5	< 2
887172 Orig					
887172 Dup					
Method Blank					
Method Blank					
Method Blank					
Method Blank	< 2	< 10	< 10	< 0.5	< 2
Method Blank	< 2	< 10	< 10	< 0.5	< 2
Method Blank	< 2	< 10	< 10	< 0.5	< 2
Method Blank	< 2	< 10	< 10	< 0.5	< 2
Method Blank	< 2	< 10	< 10	< 0.5	< 2
Method Blank	< 2	< 10	10	< 0.5	< 2

Analyte Symbol	Ca	Co	Cr	Fe	Ga
Unit Symbol	%	ppm	ppm	%	ppm
Detection Limit	0.01	1	1	0.01	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.14	11	80	5.87	20
GXR-6 Cert	0.18	13.8	96	5.58	35
OREAS 922 (AQUA REGIA) Meas	0.43	18	48	5.38	< 10
OREAS 922 (AQUA REGIA) Cert	0.324	19.4	40.7	5.05	7.62
OREAS 922 (AQUA REGIA) Meas	0.42	17	46	5.26	< 10
OREAS 922 (AQUA REGIA) Cert	0.324	19.4	40.7	5.05	7.62
OREAS 922 (AQUA REGIA) Meas	0.42	17	46	5.19	< 10
OREAS 922 (AQUA REGIA) Cert	0.324	19.4	40.7	5.05	7.62
OREAS 923 (AQUA REGIA) Meas	0.43	21	44	6.04	< 10
OREAS 923 (AQUA REGIA) Cert	0.326	22.2	39.4	5.91	8.01
OREAS 923 (AQUA REGIA) Meas	0.43	21	43	6.25	< 10
OREAS 923 (AQUA REGIA) Cert	0.326	22.2	39.4	5.91	8.01
OREAS 923 (AQUA REGIA) Meas	0.42	19	43	5.98	< 10
OREAS 923 (AQUA REGIA) Cert	0.326	22.2	39.4	5.91	8.01
Oreas 96 (Aqua Regia) Meas		44			
Oreas 96 (Aqua Regia) Cert		49.2			
Oreas 96 (Aqua Regia) Meas		45			
Oreas 96 (Aqua Regia) Cert		49.2			
Oreas 96 (Aqua Regia) Meas		42			
Oreas 96 (Aqua Regia) Cert		49.2			
OREAS 217 (Fire Assay) Meas					
OREAS 217 (Fire Assay) Cert					
OREAS 217 (Fire Assay) Meas					
OREAS 217 (Fire Assay) Cert					
Oreas 621 (Aqua Regia) Meas	1.73	29	34	3.39	10
Oreas 621 (Aqua Regia) Cert	1.65	27.9	31.3	3.43	9.29
Oreas 621 (Aqua Regia) Meas	1.52	28	32	3.4	< 10
Oreas 621 (Aqua Regia) Cert	1.65	27.9	31.3	3.43	9.29
Oreas 621 (Aqua Regia) Meas	1.48	29	32	3.44	10
Oreas 621 (Aqua Regia) Cert	1.65	27.9	31.3	3.43	9.29
Oreas 221 (Fire Assay) Meas					

Analyte Symbol	Ca	Co	Cr	Fe	Ga
Unit Symbol	%	ppm	ppm	%	ppm
Detection Limit	0.01	1	1	0.01	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 221 (Fire Assay) Cert					
887170 Orig	0.02	< 1	4	0.41	< 10
887170 Dup	0.02	< 1	4	0.41	< 10
887172 Orig					
887172 Dup					
Method Blank					
Method Blank					
Method Blank					
Method Blank	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank	< 0.01	< 1	< 1	< 0.01	< 10

Analyte Symbol	Hg	K	La	Mg	Na
Unit Symbol	ppm	%	ppm	%	%
Detection Limit	1	0.01	10	0.01	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	2	1.2	< 10	0.44	0.099
GXR-6 Cert	0.068	1.87	13.9	0.609	0.104
OREAS 922 (AQUA REGIA) Meas		0.52	40	1.51	0.038
OREAS 922 (AQUA REGIA) Cert		0.376	32.5	1.33	0.021
OREAS 922 (AQUA REGIA) Meas		0.52	39	1.46	0.034
OREAS 922 (AQUA REGIA) Cert		0.376	32.5	1.33	0.021
OREAS 922 (AQUA REGIA) Meas		0.52	38	1.45	0.036
OREAS 922 (AQUA REGIA) Cert		0.376	32.5	1.33	0.021
OREAS 923 (AQUA REGIA) Meas		0.43	36	1.56	
OREAS 923 (AQUA REGIA) Cert		0.322	30	1.43	
OREAS 923 (AQUA REGIA) Meas		0.45	37	1.6	
OREAS 923 (AQUA REGIA) Cert		0.322	30	1.43	
OREAS 923 (AQUA REGIA) Meas		0.45	35	1.55	
OREAS 923 (AQUA REGIA) Cert		0.322	30	1.43	
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
OREAS 217 (Fire Assay) Meas					
OREAS 217 (Fire Assay) Cert					
OREAS 217 (Fire Assay) Meas					
OREAS 217 (Fire Assay) Cert					
Oreas 621 (Aqua Regia) Meas	4	0.4	19	0.48	0.197
Oreas 621 (Aqua Regia) Cert	3.93	0.333	19.4	0.436	0.16
Oreas 621 (Aqua Regia) Meas	5	0.39	19	0.48	0.199
Oreas 621 (Aqua Regia) Cert	3.93	0.333	19.4	0.436	0.16
Oreas 621 (Aqua Regia) Meas	5	0.4	19	0.49	0.204
Oreas 621 (Aqua Regia) Cert	3.93	0.333	19.4	0.436	0.16
Oreas 221 (Fire Assay) Meas					

Analyte Symbol	Hg	K	La	Mg	Na
Unit Symbol	ppm	%	ppm	%	%
Detection Limit	1	0.01	10	0.01	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 221 (Fire Assay) Cert					
887170 Orig	< 1	< 0.01	< 10	< 0.01	0.044
887170 Dup	< 1	< 0.01	< 10	< 0.01	0.042
887172 Orig					
887172 Dup					
Method Blank					
Method Blank					
Method Blank					
Method Blank	< 1	< 0.01	< 10	< 0.01	0.015
Method Blank	< 1	< 0.01	< 10	< 0.01	0.012
Method Blank	< 1	< 0.01	< 10	< 0.01	0.013
Method Blank	< 1	< 0.01	< 10	< 0.01	0.013
Method Blank	< 1	< 0.01	< 10	< 0.01	0.013
Method Blank	< 1	< 0.01	< 10	< 0.01	0.016

Analyte Symbol	P	S	Sb	Sc	Sr
Unit Symbol	%	%	ppm	ppm	ppm
Detection Limit	0.001	0.01	2	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.034	0.01	2	19	30
GXR-6 Cert	0.035	0.016	3.6	27.6	35
OREAS 922 (AQUA REGIA) Meas	0.067	0.37	3	4	17
OREAS 922 (AQUA REGIA) Cert	0.063	0.386	0.57	3.15	15
OREAS 922 (AQUA REGIA) Meas	0.065	0.36	2	4	16
OREAS 922 (AQUA REGIA) Cert	0.063	0.386	0.57	3.15	15
OREAS 922 (AQUA REGIA) Meas	0.064	0.35	3	4	16
OREAS 922 (AQUA REGIA) Cert	0.063	0.386	0.57	3.15	15
OREAS 923 (AQUA REGIA) Meas	0.063	0.66	2	4	15
OREAS 923 (AQUA REGIA) Cert	0.061	0.684	0.58	3.09	13.6
OREAS 923 (AQUA REGIA) Meas	0.064	0.67	4	4	15
OREAS 923 (AQUA REGIA) Cert	0.061	0.684	0.58	3.09	13.6
OREAS 923 (AQUA REGIA) Meas	0.061	0.64	< 2	4	15
OREAS 923 (AQUA REGIA) Cert	0.061	0.684	0.58	3.09	13.6
Oreas 96 (Aqua Regia) Meas		3.89	5		
Oreas 96 (Aqua Regia) Cert		4.38	4.53		
Oreas 96 (Aqua Regia) Meas		4	6		
Oreas 96 (Aqua Regia) Cert		4.38	4.53		
Oreas 96 (Aqua Regia) Meas		3.79	6		
Oreas 96 (Aqua Regia) Cert		4.38	4.53		
OREAS 217 (Fire Assay) Meas					
OREAS 217 (Fire Assay) Cert					
OREAS 217 (Fire Assay) Meas					
OREAS 217 (Fire Assay) Cert					
Oreas 621 (Aqua Regia) Meas	0.036	4.35	105	3	18
Oreas 621 (Aqua Regia) Cert	0.0335	4.5	107	2.2	18.9
Oreas 621 (Aqua Regia) Meas	0.032	4.33	109	3	17
Oreas 621 (Aqua Regia) Cert	0.0335	4.5	107	2.2	18.9
Oreas 621 (Aqua Regia) Meas	0.032	4.39	113	3	18
Oreas 621 (Aqua Regia) Cert	0.0335	4.5	107	2.2	18.9
Oreas 221 (Fire Assay) Meas					

Analyte Symbol	P	S	Sb	Sc	Sr
Unit Symbol	%	%	ppm	ppm	ppm
Detection Limit	0.001	0.01	2	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 221 (Fire Assay) Cert					
887170 Orig	< 0.001	< 0.01	< 2	< 1	4
887170 Dup	< 0.001	< 0.01	< 2	< 1	4
887172 Orig					
887172 Dup					
Method Blank					
Method Blank					
Method Blank					
Method Blank	< 0.001	< 0.01	< 2	< 1	< 1
Method Blank	< 0.001	< 0.01	< 2	< 1	< 1
Method Blank	< 0.001	< 0.01	< 2	< 1	< 1
Method Blank	< 0.001	< 0.01	< 2	< 1	< 1
Method Blank	< 0.001	< 0.01	< 2	< 1	< 1
Method Blank	< 0.001	< 0.01	< 2	< 1	< 1

Analyte Symbol	Ti	Th	Te	Tl	U
Unit Symbol	%	ppm	ppm	ppm	ppm
Detection Limit	0.01	20	1	2	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		< 20	< 1	< 2	< 10
GXR-6 Cert		5.3	0.018	2.2	1.54
OREAS 922 (AQUA REGIA) Meas		< 20		< 2	< 10
OREAS 922 (AQUA REGIA) Cert		14.5		0.14	1.98
OREAS 922 (AQUA REGIA) Meas		< 20		< 2	< 10
OREAS 922 (AQUA REGIA) Cert		14.5		0.14	1.98
OREAS 922 (AQUA REGIA) Meas		< 20		< 2	< 10
OREAS 922 (AQUA REGIA) Cert		14.5		0.14	1.98
OREAS 923 (AQUA REGIA) Meas		< 20		< 2	< 10
OREAS 923 (AQUA REGIA) Cert		14.3		0.12	1.8
OREAS 923 (AQUA REGIA) Meas		< 20		< 2	< 10
OREAS 923 (AQUA REGIA) Cert		14.3		0.12	1.8
OREAS 923 (AQUA REGIA) Meas		< 20		< 2	< 10
OREAS 923 (AQUA REGIA) Cert		14.3		0.12	1.8
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
OREAS 217 (Fire Assay) Meas					
OREAS 217 (Fire Assay) Cert					
OREAS 217 (Fire Assay) Meas					
OREAS 217 (Fire Assay) Cert					
Oreas 621 (Aqua Regia) Meas		< 20		7	< 10
Oreas 621 (Aqua Regia) Cert		5.91		0.77	1.63
Oreas 621 (Aqua Regia) Meas		< 20		2	< 10
Oreas 621 (Aqua Regia) Cert		5.91		0.77	1.63
Oreas 621 (Aqua Regia) Meas		< 20		< 2	< 10
Oreas 621 (Aqua Regia) Cert		5.91		0.77	1.63
Oreas 221 (Fire Assay) Meas					

Analyte Symbol	Ti	Th	Te	Tl	U
Unit Symbol	%	ppm	ppm	ppm	ppm
Detection Limit	0.01	20	1	2	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 221 (Fire Assay) Cert					
887170 Orig	< 0.01	< 20	< 1	< 2	< 10
887170 Dup	< 0.01	< 20	< 1	< 2	< 10
887172 Orig					
887172 Dup					
Method Blank					
Method Blank					
Method Blank					
Method Blank	< 0.01	< 20	< 1	< 2	< 10
Method Blank	< 0.01	< 20	< 1	< 2	< 10
Method Blank	< 0.01	< 20	< 1	< 2	< 10
Method Blank	< 0.01	< 20	< 1	< 2	< 10
Method Blank	< 0.01	< 20	< 1	< 2	< 10
Method Blank	< 0.01	< 20	< 1	< 2	< 10

Analyte Symbol	V	W	Y	Zr
Unit Symbol	ppm	ppm	ppm	ppm
Detection Limit	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	177	< 10	5	8
GXR-6 Cert	186	1.9	14	110
OREAS 922 (AQUA REGIA) Meas	40	< 10	23	24
OREAS 922 (AQUA REGIA) Cert	29.4	1.12	16	22.3
OREAS 922 (AQUA REGIA) Meas	39	< 10	23	23
OREAS 922 (AQUA REGIA) Cert	29.4	1.12	16	22.3
OREAS 922 (AQUA REGIA) Meas	39	< 10	23	23
OREAS 922 (AQUA REGIA) Cert	29.4	1.12	16	22.3
OREAS 923 (AQUA REGIA) Meas	38	< 10	21	34
OREAS 923 (AQUA REGIA) Cert	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	38	< 10	21	32
OREAS 923 (AQUA REGIA) Cert	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	38	< 10	21	30
OREAS 923 (AQUA REGIA) Cert	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas				
Oreas 96 (Aqua Regia) Cert				
Oreas 96 (Aqua Regia) Meas				
Oreas 96 (Aqua Regia) Cert				
Oreas 96 (Aqua Regia) Meas				
Oreas 96 (Aqua Regia) Cert				
OREAS 217 (Fire Assay) Meas				
OREAS 217 (Fire Assay) Cert				
OREAS 217 (Fire Assay) Meas				
OREAS 217 (Fire Assay) Cert				
Oreas 621 (Aqua Regia) Meas	14	< 10	8	72
Oreas 621 (Aqua Regia) Cert	10.9	1	6.87	55
Oreas 621 (Aqua Regia) Meas	14	< 10	8	40
Oreas 621 (Aqua Regia) Cert	10.9	1	6.87	55
Oreas 621 (Aqua Regia) Meas	14	< 10	9	44
Oreas 621 (Aqua Regia) Cert	10.9	1	6.87	55
Oreas 221 (Fire Assay) Meas				

Report Number: A19-12778
Report Date: 7/10/2019

Analyte Symbol	V	W	Y	Zr
Unit Symbol	ppm	ppm	ppm	ppm
Detection Limit	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 221 (Fire Assay) Cert				
887170 Orig	< 1	< 10	< 1	< 1
887170 Dup	< 1	< 10	< 1	< 1
887172 Orig				
887172 Dup				
Method Blank				
Method Blank				
Method Blank				
Method Blank	< 1	< 10	< 1	< 1
Method Blank	< 1	< 10	< 1	< 1
Method Blank	< 1	< 10	< 1	< 1
Method Blank	< 1	< 10	< 1	< 1
Method Blank	< 1	< 10	< 1	< 1
Method Blank	< 1	< 10	< 1	< 1

Quality Analysis ... *Innovative Technologies*

Report No.: **A19-15304**
Report Date: **26-Nov-19**
Date Submitted: **08-Nov-19**
Your Reference:

Riverside Resources
550-800 West Pender St
Vancouver BC V6C 2V6
Canada

ATTN: Freeman Smith

CERTIFICATE OF ANALYSIS

64 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2019-11-19 16:55:53
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2019-11-21 14:25:34
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2019-11-22 18:46:37

REPORT **A19-15304**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1192271	19	< 0.2	< 0.5	77	206	< 1	4	4	120	1.05	5	< 10	< 10	< 0.5	3	0.01	2	14	4.82	< 10	< 1	< 0.01	< 10
1192252	5	< 0.2	< 0.5	38	995	< 1	9	< 2	21	0.33	10	13	25	< 0.5	< 2	0.51	< 1	26	7.77	< 10	< 1	0.03	< 10
1192253	< 5	< 0.2	< 0.5	6	495	1	2	< 2	5	0.06	< 2	< 10	14	< 0.5	< 2	1.88	< 1	43	1.31	< 10	< 1	< 0.01	< 10
1192254	< 5	< 0.2	2.7	142	364	2	5	< 2	284	0.67	< 2	< 10	< 10	< 0.5	< 2	0.03	7	40	3.35	< 10	< 1	< 0.01	< 10
1192255	45	0.8	11.1	485	1170	2	135	< 2	2480	3.33	76	< 10	45	< 0.5	4	0.15	46	311	13.4	10	2	0.02	< 10
1192256	70	< 0.2	< 0.5	92	1800	< 1	6	5	57	0.07	< 2	< 10	23	< 0.5	2	4.63	< 1	8	8.76	< 10	< 1	0.03	< 10
1192258	7	< 0.2	< 0.5	93	1100	< 1	4	3	51	0.09	< 2	< 10	26	< 0.5	< 2	3.19	< 1	24	6.27	< 10	< 1	0.04	< 10
1192259	5	< 0.2	< 0.5	27	1530	1	10	< 2	43	0.65	2	< 10	62	< 0.5	< 2	0.12	7	35	3.51	< 10	< 1	0.03	< 10
1192260	< 5	< 0.2	< 0.5	3	1470	< 1	45	6	33	1.29	10	< 10	16	< 0.5	< 2	5.93	17	128	5.07	< 10	< 1	< 0.01	11
1192261	25	0.5	< 0.5	416	1440	1	55	15	51	0.96	3	< 10	< 10	< 0.5	< 2	0.24	40	21	14.5	< 10	3	0.02	< 10
1192262	10	0.3	0.6	386	868	< 1	12	3	142	1.67	3	< 10	11	< 0.5	< 2	0.23	8	18	11.6	< 10	< 1	< 0.01	< 10
1192263	< 5	< 0.2	< 0.5	5	519	2	4	< 2	63	0.50	< 2	< 10	13	< 0.5	< 2	0.12	< 1	21	1.97	< 10	< 1	< 0.01	< 10
1192264	< 5	< 0.2	< 0.5	6	2100	2	16	< 2	115	1.27	< 2	< 10	17	< 0.5	< 2	3.71	4	26	4.64	< 10	< 1	< 0.01	< 10
1192265	< 5	< 0.2	< 0.5	35	1010	< 1	52	< 2	37	1.34	< 2	< 10	12	< 0.5	< 2	7.23	12	121	2.99	< 10	< 1	< 0.01	10
1192266	< 5	< 0.2	< 0.5	29	184	2	5	< 2	8	0.24	7	< 10	13	< 0.5	< 2	0.18	3	37	0.89	< 10	< 1	0.02	< 10
1192267	< 5	< 0.2	< 0.5	27	861	< 1	20	< 2	17	0.94	< 2	< 10	< 10	< 0.5	< 2	7.54	7	33	1.98	< 10	< 1	< 0.01	< 10
1192268	16	0.4	< 0.5	553	3010	< 1	106	13	83	4.24	36	< 10	21	< 0.5	< 2	1.46	68	119	17.0	10	< 1	0.05	< 10
1192269	< 5	0.4	< 0.5	370	1340	< 1	62	< 2	76	2.63	2	< 10	< 10	< 0.5	< 2	4.49	24	87	6.65	< 10	4	< 0.01	< 10
1192270	7	< 0.2	< 0.5	66	405	1	4	3	153	0.48	< 2	< 10	20	< 0.5	< 2	0.06	1	11	3.91	< 10	< 1	0.02	< 10
887141	< 5	< 0.2	< 0.5	134	1290	< 1	158	< 2	80	3.45	28	< 10	12	< 0.5	< 2	2.28	45	258	7.85	< 10	2	< 0.01	< 10
887142	< 5	< 0.2	< 0.5	2	225	2	2	< 2	4	0.11	4	< 10	16	< 0.5	< 2	0.05	< 1	23	0.60	< 10	< 1	< 0.01	< 10
887143	< 5	< 0.2	< 0.5	5	407	2	5	< 2	28	0.65	< 2	< 10	13	< 0.5	< 2	0.43	7	29	2.12	< 10	< 1	< 0.01	< 10
887144	< 5	< 0.2	< 0.5	< 1	101	2	2	< 2	< 2	0.03	2	12	12	< 0.5	< 2	0.06	< 1	31	0.44	< 10	< 1	< 0.01	< 10
887145	< 5	0.2	< 0.5	96	3170	< 1	18	< 2	73	1.25	8	< 10	64	< 0.5	< 2	3.03	< 1	32	27.2	< 10	< 1	0.17	< 10
887146	218	< 0.2	< 0.5	154	2450	< 1	16	< 2	236	3.10	3	< 10	36	< 0.5	< 2	0.19	3	18	13.9	< 10	< 1	0.05	< 10
887147	< 5	0.2	< 0.5	125	2650	< 1	34	< 2	224	5.73	8	< 10	< 10	< 0.5	< 2	0.28	22	66	23.3	20	< 1	< 0.01	< 10
887148	< 5	< 0.2	< 0.5	17	457	2	5	< 2	14	0.33	< 2	< 10	16	< 0.5	< 2	3.69	3	16	1.02	< 10	< 1	0.01	< 10
887149	< 5	< 0.2	< 0.5	14	740	3	2	< 2	121	1.12	< 2	< 10	11	< 0.5	3	0.06	< 1	19	4.10	< 10	< 1	0.02	< 10
887150	< 5	< 0.2	< 0.5	5	53	4	1	< 2	< 2	0.01	< 2	< 10	11	< 0.5	< 2	0.02	< 1	42	0.43	< 10	< 1	< 0.01	< 10
152958	402	0.6	< 0.5	178	1260	< 1	11	2	102	2.04	8	< 10	37	< 0.5	3	0.23	< 1	35	22.7	< 10	< 1	1.44	< 10
152959	26	< 0.2	< 0.5	95	1310	< 1	22	< 2	45	2.25	< 2	< 10	31	< 0.5	< 2	2.86	13	44	6.79	< 10	< 1	1.34	13
152960	128	0.7	< 0.5	480	1120	< 1	19	< 2	84	2.28	5	< 10	15	< 0.5	< 2	1.20	4	44	13.1	10	< 1	1.18	10
152961	120	0.8	< 0.5	241	1490	1	25	4	46	1.32	2	< 10	< 10	< 0.5	2	1.68	63	38	16.8	< 10	< 1	0.67	< 10
152962	53	< 0.2	< 0.5	19	319	1	7	< 2	34	0.85	< 2	< 10	25	< 0.5	< 2	1.01	8	29	1.90	< 10	< 1	0.07	< 10
152963	> 5000	< 0.2	< 0.5	42	629	< 1	21	< 2	63	2.93	< 2	< 10	228	< 0.5	8	2.52	16	39	5.09	< 10	< 1	0.96	15
152964	15	< 0.2	< 0.5	37	992	< 1	43	< 2	54	2.84	7	< 10	91	< 0.5	< 2	2.77	20	63	5.77	< 10	< 1	1.01	< 10
1192272	7	< 0.2	< 0.5	57	3270	< 1	124	< 2	98	3.72	29	< 10	29	< 0.5	< 2	3.30	28	176	13.5	< 10	< 1	0.10	< 10
1192273	8	< 0.2	< 0.5	60	7400	< 1	10	< 2	32	0.13	7	< 10	< 10	< 0.5	< 2	2.85	< 1	5	18.9	< 10	< 1	< 0.01	< 10
1192274	8	0.2	1.6	67	4530	< 1	17	< 2	189	1.67	< 2	< 10	10	< 0.5	< 2	0.91	< 1	31	15.9	< 10	1	< 0.01	< 10
1192275	< 5	0.3	< 0.5	23	9100	< 1	9	3	74	0.66	< 2	< 10	< 10	< 0.5	3	2.47	< 1	9	25.2	< 10	< 1	< 0.01	< 10
1192276	< 5	< 0.2	< 0.5	101	1900	< 1	162	< 2	88	3.67	30	< 10	16	< 0.5	< 2	4.46	40	256	8.46	10	< 1	0.06	< 10
1192277	< 5	< 0.2	< 0.5	93	2350	< 1	152	< 2	78	3.77	41	< 10	38	< 0.5	< 2	4.68	37	184	10.3	< 10	< 1	0.13	< 10
1192278	21	< 0.2	< 0.5	23	3620	< 1	2	4	8	0.09	4	< 10	11	< 0.5	3	2.56	< 1	6	6.83	< 10	< 1	< 0.01	< 10
1192279	14	< 0.2	< 0.5	86	3760	< 1	10	3	123	1.06	22	< 10	< 10	< 0.5	< 2	1.66	1	10	11.7	< 10	< 1	< 0.01	< 10
1192280	< 5	< 0.2	< 0.5	30	2530	1	3	< 2	17	0.12	14	< 10	< 10	< 0.5	< 2	1.16	< 1	8	4.85	< 10	< 1	< 0.01	< 10
1192281	90	< 0.2	< 0.5	80	4800	< 1	4	3	82	0.15	33	< 10	< 10	< 0.5	< 2	1.58	< 1	9	12.9	< 10	2	< 0.01	< 10
887131	> 5000	6.2	0.9	210	351	3	11	< 2	149	1.41	> 10000	< 10	13	< 0.5	< 2	0.19	13	14	9.86	< 10	< 1	0.03	< 10
887132	11	< 0.2	< 0.5	51	1360	< 1	93	< 2	105	3.56	17	< 10	11	< 0.5	2	3.68	42	156	8.70	10	< 1	< 0.01	< 10
887133	27	< 0.2	< 0.5	181	3860	< 1	7	5	102	0.18	14	< 10	18	< 0.5	< 2	> 10.0	5	4	6.44	< 10	< 1	0.08	< 10
887134	< 5	< 0.2	< 0.5	25	2310	< 1	50	< 2	79	2.85	3	< 10	< 10	< 0.5	< 2	> 10.0	24	93	7.83	< 10	< 1	< 0.01	< 10
887135	< 5	< 0.2	< 0.5	4	355	< 1	18	< 2	21	0.78	9	< 10	12	< 0.5	< 2	1.65	8	36	1.58	< 10	< 1	< 0.01	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
887136	< 5	< 0.2	< 0.5	152	559	2	14	< 2	66	0.18	< 2	< 10	22	< 0.5	< 2	0.58	13	25	4.28	< 10	< 1	0.08	< 10
887137	< 5	< 0.2	< 0.5	71	1200	< 1	19	< 2	57	1.99	< 2	< 10	22	< 0.5	< 2	1.52	13	42	5.79	< 10	< 1	0.02	< 10
887138	< 5	< 0.2	< 0.5	79	1400	< 1	4	< 2	122	0.25	3	< 10	14	< 0.5	< 2	0.24	1	10	6.10	< 10	< 1	< 0.01	< 10
887139	27	0.5	< 0.5	99	9480	< 1	4	6	55	0.55	6	< 10	< 10	< 0.5	4	3.18	< 1	4	> 30.0	< 10	< 1	< 0.01	< 10
887140	5	< 0.2	< 0.5	83	600	1	4	< 2	84	0.80	< 2	< 10	< 10	< 0.5	< 2	0.39	< 1	16	5.20	< 10	< 1	< 0.01	< 10
1192282	9	0.3	< 0.5	114	9090	< 1	15	7	37	0.12	26	< 10	< 10	< 0.5	4	4.36	< 1	5	23.9	< 10	< 1	< 0.01	< 10
1192283	7	0.5	< 0.5	145	10100	< 1	8	2	26	0.08	97	< 10	< 10	< 0.5	2	3.63	< 1	2	26.3	< 10	< 1	< 0.01	< 10
1192284	11	0.3	< 0.5	304	10600	< 1	11	3	31	0.14	74	< 10	< 10	< 0.5	2	5.37	< 1	3	22.4	< 10	< 1	< 0.01	< 10
1192285	7	< 0.2	0.9	331	6660	< 1	9	2	49	0.91	< 2	< 10	< 10	< 0.5	< 2	8.11	< 1	4	14.7	< 10	< 1	< 0.01	< 10
1192286	11	0.3	< 0.5	134	3650	< 1	16	< 2	32	0.76	16	< 10	< 10	< 0.5	< 2	9.24	4	17	8.91	< 10	< 1	< 0.01	< 10
1192287	19	0.2	< 0.5	91	246	2	5	< 2	7	0.05	< 2	< 10	< 10	< 0.5	< 2	0.07	8	23	2.90	< 10	< 1	< 0.01	< 10
1192288	< 5	< 0.2	< 0.5	2	345	2	2	< 2	20	0.19	< 2	< 10	13	< 0.5	< 2	1.79	< 1	25	1.15	< 10	< 1	0.02	< 10
1192289	24	0.5	21.1	99	4340	3	115	< 2	2620	3.28	42	< 10	40	< 0.5	4	2.94	55	74	24.5	< 10	< 1	0.87	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
1192271	0.44	0.012	0.006	0.03	< 2	3	< 1	0.04	< 20	2	< 2	< 10	23	< 10	< 1	11	
1192252	0.27	0.018	0.014	0.10	4	2	6	0.02	< 20	5	< 2	< 10	16	< 10	5	6	
1192253	0.02	0.017	0.011	< 0.01	< 2	< 1	15	< 0.01	< 20	< 1	< 2	< 10	2	< 10	3	< 1	
1192254	0.34	0.012	0.006	0.05	< 2	2	< 1	0.03	< 20	2	< 2	< 10	18	< 10	1	7	
1192255	2.62	0.013	0.017	0.34	6	13	1	0.11	< 20	5	< 2	< 10	91	< 10	4	10	
1192256	0.10	0.012	0.015	0.17	2	< 1	17	< 0.01	< 20	< 1	< 2	< 10	4	< 10	4	3	
1192258	0.09	0.014	0.003	0.30	3	< 1	13	< 0.01	< 20	8	< 2	< 10	3	< 10	2	2	
1192259	0.33	0.013	0.003	< 0.01	< 2	4	2	0.04	< 20	< 1	< 2	< 10	27	< 10	4	3	
1192260	0.95	0.018	0.122	0.43	3	10	128	0.12	< 20	2	< 2	< 10	79	< 10	11	7	
1192261	0.39	0.012	0.011	9.29	10	4	2	0.04	< 20	8	< 2	< 10	26	< 10	5	14	
1192262	0.66	0.013	0.012	0.69	4	4	1	0.09	< 20	5	< 2	< 10	48	< 10	2	16	
1192263	0.22	0.021	0.003	< 0.01	< 2	1	3	< 0.01	< 20	2	< 2	< 10	22	< 10	< 1	1	
1192264	0.55	0.014	0.062	< 0.01	< 2	5	10	0.09	< 20	3	< 2	< 10	49	< 10	7	6	
1192265	1.28	0.016	0.077	< 0.01	< 2	3	74	0.13	< 20	2	< 2	< 10	37	< 10	4	6	
1192266	0.20	0.019	0.007	0.04	< 2	2	3	< 0.01	< 20	< 1	< 2	< 10	14	< 10	< 1	< 1	
1192267	0.58	0.014	0.012	< 0.01	< 2	3	44	0.10	< 20	1	< 2	< 10	40	< 10	2	1	
1192268	2.51	0.014	0.020	1.83	7	8	25	0.44	< 20	< 1	< 2	< 10	193	< 10	7	6	
1192269	1.81	0.018	0.024	0.05	3	9	44	0.36	< 20	5	< 2	< 10	137	< 10	6	3	
1192270	0.21	0.012	0.007	0.02	< 2	2	2	0.03	< 20	1	< 2	< 10	16	< 10	2	6	
887141	2.61	0.034	0.023	0.09	4	12	33	0.46	< 20	7	< 2	< 10	159	< 10	6	4	
887142	0.07	0.036	0.001	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	5	< 10	< 1	< 1	
887143	0.45	0.026	0.005	< 0.01	< 2	4	9	0.08	< 20	< 1	< 2	< 10	41	< 10	3	1	
887144	0.01	0.022	< 0.001	< 0.01	< 2	< 1	3	< 0.01	< 20	< 1	3	< 10	1	< 10	< 1	< 1	
887145	0.89	0.022	0.016	0.50	7	6	20	0.05	< 20	< 1	< 2	< 10	48	< 10	3	11	
887146	1.28	0.014	0.013	0.08	6	5	9	0.04	< 20	< 1	< 2	< 10	104	< 10	2	12	
887147	3.36	0.010	0.036	0.07	7	34	1	0.13	< 20	< 1	< 2	< 10	315	< 10	11	7	
887148	0.20	0.017	0.005	< 0.01	< 2	< 1	14	< 0.01	< 20	< 1	< 2	< 10	18	< 10	< 1	< 1	
887149	0.60	0.018	0.008	< 0.01	< 2	5	3	< 0.01	< 20	< 1	< 2	< 10	47	< 10	1	2	
887150	< 0.01	0.018	0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
152958	1.28	0.082	0.052	0.84	7	8	15	0.21	< 20	< 1	< 2	< 10	102	< 10	4	34	
152959	1.62	0.157	0.069	1.21	3	12	24	0.20	< 20	3	< 2	< 10	97	< 10	12	13	
152960	1.43	0.103	0.070	2.13	2	13	12	0.19	< 20	< 1	< 2	< 10	104	< 10	9	35	
152961	0.82	0.072	0.037	7.41	5	7	18	0.12	< 20	6	< 2	< 10	69	< 10	5	28	
152962	0.59	0.118	0.048	0.07	< 2	6	9	0.09	< 20	4	< 2	< 10	46	< 10	6	8	
152963	1.55	0.278	0.083	0.13	< 2	11	29	0.22	< 20	3	< 2	< 10	96	< 10	12	11	6.84
152964	1.55	0.179	0.057	0.29	3	8	28	0.15	< 20	< 1	< 2	< 10	86	< 10	9	8	
1192272	2.45	0.019	0.026	0.11	5	15	15	0.02	< 20	< 1	< 2	< 10	120	< 10	5	4	
1192273	0.99	0.012	0.009	0.37	6	2	11	< 0.01	< 20	1	< 2	< 10	9	< 10	3	7	
1192274	0.91	0.013	0.013	0.25	7	5	4	0.05	< 20	< 1	< 2	< 10	44	< 10	3	13	
1192275	1.22	0.010	0.010	0.19	9	3	12	0.02	< 20	9	< 2	< 10	16	< 10	4	12	
1192276	2.42	0.030	0.027	< 0.01	< 2	21	17	< 0.01	< 20	< 1	< 2	< 10	174	< 10	7	3	
1192277	2.05	0.020	0.028	0.04	3	12	21	0.03	< 20	< 1	< 2	< 10	113	< 10	6	3	
1192278	0.31	0.013	0.009	0.20	< 2	2	11	< 0.01	< 20	< 1	< 2	< 10	9	< 10	2	3	
1192279	0.65	0.012	0.011	0.76	4	3	7	0.03	< 20	< 1	< 2	< 10	23	< 10	2	12	
1192280	0.23	0.013	0.007	0.36	< 2	< 1	5	< 0.01	< 20	< 1	< 2	< 10	4	< 10	2	3	
1192281	0.71	0.013	0.007	0.83	5	< 1	7	< 0.01	< 20	8	< 2	< 10	7	< 10	2	5	
887131	0.46	0.014	0.039	1.48	10	3	9	< 0.01	< 20	10	< 2	< 10	55	< 10	2	8	39.5
887132	2.74	0.035	0.038	0.03	4	24	18	0.43	< 20	2	< 2	< 10	274	< 10	15	6	
887133	0.23	0.017	0.007	0.93	2	< 1	62	< 0.01	< 20	3	< 2	< 10	6	< 10	6	3	
887134	2.17	0.019	0.019	0.01	3	14	28	0.26	< 20	1	< 2	< 10	147	< 10	8	3	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
887135	0.40	0.017	0.010	< 0.01	< 2	3	14	0.11	< 20	< 1	< 2	< 10	39	< 10	2	2	
887136	0.12	0.028	0.001	1.83	< 2	< 1	4	< 0.01	< 20	< 1	< 2	< 10	8	< 10	< 1	2	
887137	1.46	0.016	0.022	0.06	< 2	9	17	0.35	< 20	3	< 2	< 10	139	< 10	7	3	
887138	0.09	0.014	0.006	0.41	2	1	2	0.01	< 20	< 1	< 2	< 10	7	< 10	1	5	
887139	1.38	0.011	0.021	0.25	11	1	14	0.01	< 20	< 1	< 2	< 10	14	< 10	4	16	
887140	0.30	0.015	0.015	0.12	< 2	2	3	0.01	< 20	3	3	< 10	20	< 10	2	12	
1192282	1.26	0.010	0.007	0.93	8	< 1	16	< 0.01	< 20	< 1	< 2	< 10	7	< 10	5	8	
1192283	1.79	0.011	0.007	0.94	9	< 1	14	< 0.01	< 20	5	< 2	< 10	6	< 10	4	8	
1192284	1.65	0.011	0.008	1.76	7	< 1	22	< 0.01	< 20	< 1	< 2	< 10	9	< 10	4	8	
1192285	0.96	0.012	0.015	1.61	5	3	40	0.02	< 20	2	< 2	< 10	16	< 10	7	15	
1192286	0.69	0.012	0.011	1.15	3	3	43	0.02	< 20	< 1	2	< 10	24	< 10	7	6	
1192287	0.02	0.016	< 0.001	1.56	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	1	
1192288	0.08	0.021	< 0.001	< 0.01	< 2	< 1	12	< 0.01	< 20	< 1	< 2	< 10	8	< 10	< 1	< 1	
1192289	1.88	0.151	0.022	0.68	8	16	30	0.05	< 20	< 1	< 2	< 10	123	< 10	4	22	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.4	< 0.5	70	994	2	24	96	122	6.24	228	< 10	783	0.8	< 2	0.12	11	84	6.02	20	1	1.14	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.5	< 0.5	72	996	2	25	92	123	6.51	224	< 10	831	0.9	< 2	0.12	12	89	5.88	20	< 1	1.21	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2220	714	< 1	34	58	254	2.60	3		92	0.7	9	0.41	17	48	5.16	< 10		0.51	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		1.1	< 0.5	2260	709	< 1	33	65	251	2.60	5		92	0.7	6	0.41	17	48	5.07	< 10		0.51	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.8	< 0.5	4220	811	< 1	32	80	323	2.61	6		67	0.7	15	0.41	19	47	5.92	< 10		0.42	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		2.1	< 0.5	4430	833	< 1	34	83	337	2.66	10		60	0.7	15	0.43	20	47	6.04	< 10		0.45	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		10.9		> 10000				83	406						< 2		42						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		11.1		> 10000				84	404						< 2		40						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
OREAS 220 (Fire Assay) Meas	854																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	843																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas		68.4	262	3380	474	13	22	> 5000	> 10000	1.62	76			0.6	< 2	1.48	27	29	3.15	10	3	0.39	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		72.2	263	3460	482	14	27	> 5000	> 10000	1.60	81			0.6	7	1.69	27	34	3.14	10	3	0.40	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 229b (Fire Assay) Meas																							
OREAS 229b																							

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas	3050																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3020																						
OREAS 238 (Fire Assay) Cert	3030																						
1192261 Orig	25																						
1192261 Dup	24																						
1192264 Orig		< 0.2	< 0.5	6	2110	2	16	< 2	116	1.26	< 2	< 10	16	< 0.5	3	3.71	4	26	4.67	< 10	< 1	< 0.01	< 10
1192264 Dup		< 0.2	0.5	6	2100	2	17	< 2	115	1.27	< 2	< 10	18	< 0.5	< 2	3.72	4	26	4.60	< 10	< 1	< 0.01	< 10
887141 Orig	8																						
887141 Dup	< 5																						
887148 Orig		< 0.2	< 0.5	15	464	2	4	< 2	13	0.34	< 2	< 10	16	< 0.5	< 2	3.73	3	16	1.03	< 10	< 1	0.01	< 10
887148 Dup		< 0.2	< 0.5	18	449	2	5	< 2	16	0.33	< 2	< 10	16	< 0.5	< 2	3.66	3	16	1.00	< 10	< 1	0.01	< 10
152959 Orig	29																						
152959 Dup	23																						
1192275 Orig		0.3	< 0.5	22	9030	< 1	12	3	75	0.65	< 2	< 10	< 10	< 0.5	2	2.47	< 1	9	24.8	< 10	< 1	< 0.01	< 10
1192275 Dup		0.3	< 0.5	23	9180	< 1	6	3	72	0.67	7	< 10	< 10	< 0.5	4	2.48	< 1	9	25.7	< 10	< 1	< 0.01	< 10
1192280 Orig	< 5																						
1192280 Dup	< 5																						
887134 Orig	< 5	< 0.2	< 0.5	25	2310	< 1	50	< 2	79	2.85	3	< 10	< 10	< 0.5	< 2	> 10.0	24	93	7.83	< 10	< 1	< 0.01	< 10
887134 Split PREP DUP	< 5	< 0.2	< 0.5	26	2320	< 1	51	< 2	79	2.91	< 2	< 10	< 10	< 0.5	< 2	> 10.0	25	95	7.99	< 10	< 1	< 0.01	< 10
887137 Orig		< 0.2	< 0.5	71	1200	1	18	< 2	57	1.97	< 2	< 10	21	< 0.5	< 2	1.50	13	42	5.80	< 10	< 1	0.02	< 10
887137 Dup		< 0.2	< 0.5	71	1210	< 1	20	< 2	57	2.01	< 2	< 10	23	< 0.5	< 2	1.54	13	42	5.78	< 10	< 1	0.02	< 10
887138 Orig	6																						
887138 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank																							

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
GXR-6 Meas	0.40	0.064	0.033	0.01	< 2	18	26		< 20	< 1	3	< 10	173	< 10	4	6	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.42	0.067	0.035	0.01	3	19	27		< 20	< 1	< 2	< 10	175	< 10	5	6	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
OREAS 922 (AQUA REGIA) Meas	1.34	0.027	0.061	0.37	< 2	4	16		< 20		< 2	< 10	36	< 10	20	11	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	1.35	0.027	0.061	0.37	3	4	16		< 20		< 2	< 10	37	< 10	21	13	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	1.42		0.059	0.67	2	4	15		< 20		< 2	< 10	36	< 10	18	20	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	1.46		0.061	0.69	2	4	15		< 20		< 2	< 10	37	< 10	19	24	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 96 (Aqua Regia) Meas				3.82	5												
Oreas 96 (Aqua Regia) Cert				4.38	4.53												
Oreas 96 (Aqua Regia) Meas				3.96	5												
Oreas 96 (Aqua Regia) Cert				4.38	4.53												
OREAS 220 (Fire Assay) Meas																	
OREAS 220 (Fire Assay) Cert																	
OREAS 220 (Fire Assay) Meas																	
OREAS 220 (Fire Assay) Cert																	
OREAS 229 (Fire Assay) Meas																	12.1
OREAS 229 (Fire Assay) Cert																	12.1
Oreas 621 (Aqua Regia) Meas	0.44	0.160	0.033	4.36	102	2	17		< 20		2	< 10	13	< 10	8	58	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
Oreas 621 (Aqua Regia) Meas	0.44	0.166	0.033	4.58	96	3	19		< 20		2	< 10	13	< 10	8	55	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
OREAS 229b (Fire Assay) Meas																	12.0

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
OREAS 229b (Fire Assay) Cert																	11.9
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
1192261 Orig																	
1192261 Dup																	
1192264 Orig	0.54	0.014	0.061	< 0.01	< 2	5	10	0.09	< 20	1	< 2	< 10	49	< 10	7	6	
1192264 Dup	0.55	0.014	0.062	< 0.01	< 2	5	10	0.09	< 20	5	< 2	< 10	50	< 10	7	5	
887141 Orig																	
887141 Dup																	
887148 Orig	0.20	0.017	0.005	< 0.01	< 2	< 1	14	< 0.01	< 20	< 1	< 2	< 10	18	< 10	< 1	< 1	
887148 Dup	0.19	0.017	0.004	< 0.01	< 2	< 1	13	< 0.01	< 20	< 1	< 2	< 10	18	< 10	< 1	< 1	
152959 Orig																	
152959 Dup																	
1192275 Orig	1.20	0.011	0.010	0.19	8	3	13	0.02	< 20	7	< 2	< 10	16	< 10	4	12	
1192275 Dup	1.25	0.010	0.010	0.19	9	3	12	0.02	< 20	10	< 2	< 10	16	< 10	4	13	
1192280 Orig																	
1192280 Dup																	
887134 Orig	2.17	0.019	0.019	0.01	3	14	28	0.26	< 20	1	< 2	< 10	147	< 10	8	3	
887134 Split PREP DUP	2.23	0.019	0.019	0.01	2	14	29	0.27	< 20	3	< 2	< 10	149	< 10	9	3	
887137 Orig	1.44	0.015	0.022	0.06	3	9	17	0.35	< 20	3	< 2	< 10	137	< 10	7	3	
887137 Dup	1.48	0.016	0.022	0.06	< 2	9	18	0.36	< 20	3	< 2	< 10	140	< 10	7	3	
887138 Orig																	
887138 Dup																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	3	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																	< 0.02

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Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1192271	19	< 0.2	< 0.5	77	206	< 1	4	4	120	1.05	5	< 10	< 10	< 0.5	3
1192252	5	< 0.2	< 0.5	38	995	< 1	9	< 2	21	0.33	10	13	25	< 0.5	< 2
1192253	< 5	< 0.2	< 0.5	6	495	1	2	< 2	5	0.06	< 2	< 10	14	< 0.5	< 2
1192254	< 5	< 0.2	2.7	142	364	2	5	< 2	284	0.67	< 2	< 10	< 10	< 0.5	< 2
1192255	45	0.8	11.1	485	1170	2	135	< 2	2480	3.33	76	< 10	45	< 0.5	4
1192256	70	< 0.2	< 0.5	92	1800	< 1	6	5	57	0.07	< 2	< 10	23	< 0.5	2
1192258	7	< 0.2	< 0.5	93	1100	< 1	4	3	51	0.09	< 2	< 10	26	< 0.5	< 2
1192259	5	< 0.2	< 0.5	27	1530	1	10	< 2	43	0.65	2	< 10	62	< 0.5	< 2
1192260	< 5	< 0.2	< 0.5	3	1470	< 1	45	6	33	1.29	10	< 10	16	< 0.5	< 2
1192261	25	0.5	< 0.5	416	1440	1	55	15	51	0.96	3	< 10	< 10	< 0.5	< 2
1192262	10	0.3	0.6	386	868	< 1	12	3	142	1.67	3	< 10	11	< 0.5	< 2
1192263	< 5	< 0.2	< 0.5	5	519	2	4	< 2	63	0.5	< 2	< 10	13	< 0.5	< 2
1192264	< 5	< 0.2	< 0.5	6	2100	2	16	< 2	115	1.27	< 2	< 10	17	< 0.5	< 2
1192265	< 5	< 0.2	< 0.5	35	1010	< 1	52	< 2	37	1.34	< 2	< 10	12	< 0.5	< 2
1192266	< 5	< 0.2	< 0.5	29	184	2	5	< 2	8	0.24	7	< 10	13	< 0.5	< 2
1192267	< 5	< 0.2	< 0.5	27	861	< 1	20	< 2	17	0.94	< 2	< 10	< 10	< 0.5	< 2
1192268	16	0.4	< 0.5	553	3010	< 1	106	13	83	4.24	36	< 10	21	< 0.5	< 2
1192269	< 5	0.4	< 0.5	370	1340	< 1	62	< 2	76	2.63	2	< 10	< 10	< 0.5	< 2
1192270	7	< 0.2	< 0.5	66	405	1	4	3	153	0.48	< 2	< 10	20	< 0.5	< 2
887141	< 5	< 0.2	< 0.5	134	1290	< 1	158	< 2	80	3.45	28	< 10	12	< 0.5	< 2
887142	< 5	< 0.2	< 0.5	2	225	2	2	< 2	4	0.11	4	< 10	16	< 0.5	< 2
887143	< 5	< 0.2	< 0.5	5	407	2	5	< 2	28	0.65	< 2	< 10	13	< 0.5	< 2
887144	< 5	< 0.2	< 0.5	< 1	101	2	2	< 2	< 2	0.03	2	12	12	< 0.5	< 2
887145	< 5	0.2	< 0.5	96	3170	< 1	18	< 2	73	1.25	8	< 10	64	< 0.5	< 2
887146	218	< 0.2	< 0.5	154	2450	< 1	16	< 2	236	3.1	3	< 10	36	< 0.5	< 2
887147	< 5	0.2	< 0.5	125	2650	< 1	34	< 2	224	5.73	8	< 10	< 10	< 0.5	< 2
887148	< 5	< 0.2	< 0.5	17	457	2	5	< 2	14	0.33	< 2	< 10	16	< 0.5	< 2
887149	< 5	< 0.2	< 0.5	14	740	3	2	< 2	121	1.12	< 2	< 10	11	< 0.5	3
887150	< 5	< 0.2	< 0.5	5	53	4	1	< 2	< 2	0.01	< 2	< 10	11	< 0.5	< 2
152958	402	0.6	< 0.5	178	1260	< 1	11	2	102	2.04	8	< 10	37	< 0.5	3
152959	26	< 0.2	< 0.5	95	1310	< 1	22	< 2	45	2.25	< 2	< 10	31	< 0.5	< 2

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Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
152960	128	0.7	< 0.5	480	1120	< 1	19	< 2	84	2.28	5	< 10	15	< 0.5	< 2
152961	120	0.8	< 0.5	241	1490	1	25	4	46	1.32	2	< 10	< 10	< 0.5	2
152962	53	< 0.2	< 0.5	19	319	1	7	< 2	34	0.85	< 2	< 10	25	< 0.5	< 2
152963	> 5000	< 0.2	< 0.5	42	629	< 1	21	< 2	63	2.93	< 2	< 10	228	< 0.5	8
152964	15	< 0.2	< 0.5	37	992	< 1	43	< 2	54	2.84	7	< 10	91	< 0.5	< 2
1192272	7	< 0.2	< 0.5	57	3270	< 1	124	< 2	98	3.72	29	< 10	29	< 0.5	< 2
1192273	8	< 0.2	< 0.5	60	7400	< 1	10	< 2	32	0.13	7	< 10	< 10	< 0.5	< 2
1192274	8	0.2	1.6	67	4530	< 1	17	< 2	189	1.67	< 2	< 10	10	< 0.5	< 2
1192275	< 5	0.3	< 0.5	23	9100	< 1	9	3	74	0.66	< 2	< 10	< 10	< 0.5	3
1192276	< 5	< 0.2	< 0.5	101	1900	< 1	162	< 2	88	3.67	30	< 10	16	< 0.5	< 2
1192277	< 5	< 0.2	< 0.5	93	2350	< 1	152	< 2	78	3.77	41	< 10	38	< 0.5	< 2
1192278	21	< 0.2	< 0.5	23	3620	< 1	2	4	8	0.09	4	< 10	11	< 0.5	3
1192279	14	< 0.2	< 0.5	86	3760	< 1	10	3	123	1.06	22	< 10	< 10	< 0.5	< 2
1192280	< 5	< 0.2	< 0.5	30	2530	1	3	< 2	17	0.12	14	< 10	< 10	< 0.5	< 2
1192281	90	< 0.2	< 0.5	80	4800	< 1	4	3	82	0.15	33	< 10	< 10	< 0.5	< 2
887131	> 5000	6.2	0.9	210	351	3	11	< 2	149	1.41	> 10000	< 10	13	< 0.5	< 2
887132	11	< 0.2	< 0.5	51	1360	< 1	93	< 2	105	3.56	17	< 10	11	< 0.5	2
887133	27	< 0.2	< 0.5	181	3860	< 1	7	5	102	0.18	14	< 10	18	< 0.5	< 2
887134	< 5	< 0.2	< 0.5	25	2310	< 1	50	< 2	79	2.85	3	< 10	< 10	< 0.5	< 2
887135	< 5	< 0.2	< 0.5	4	355	< 1	18	< 2	21	0.78	9	< 10	12	< 0.5	< 2
887136	< 5	< 0.2	< 0.5	152	559	2	14	< 2	66	0.18	< 2	< 10	22	< 0.5	< 2
887137	< 5	< 0.2	< 0.5	71	1200	< 1	19	< 2	57	1.99	< 2	< 10	22	< 0.5	< 2
887138	< 5	< 0.2	< 0.5	79	1400	< 1	4	< 2	122	0.25	3	< 10	14	< 0.5	< 2
887139	27	0.5	< 0.5	99	9480	< 1	4	6	55	0.55	6	< 10	< 10	< 0.5	4
887140	5	< 0.2	< 0.5	83	600	1	4	< 2	84	0.8	< 2	< 10	< 10	< 0.5	< 2
1192282	9	0.3	< 0.5	114	9090	< 1	15	7	37	0.12	26	< 10	< 10	< 0.5	4
1192283	7	0.5	< 0.5	145	10100	< 1	8	2	26	0.08	97	< 10	< 10	< 0.5	2
1192284	11	0.3	< 0.5	304	10600	< 1	11	3	31	0.14	74	< 10	< 10	< 0.5	2
1192285	7	< 0.2	0.9	331	6660	< 1	9	2	49	0.91	< 2	< 10	< 10	< 0.5	< 2
1192286	11	0.3	< 0.5	134	3650	< 1	16	< 2	32	0.76	16	< 10	< 10	< 0.5	< 2
1192287	19	0.2	< 0.5	91	246	2	5	< 2	7	0.05	< 2	< 10	< 10	< 0.5	< 2

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Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1192288	< 5	< 0.2	< 0.5	2	345	2	2	< 2	20	0.19	< 2	< 10	13	< 0.5	< 2
1192289	24	0.5	21.1	99	4340	3	115	< 2	2620	3.28	42	< 10	40	< 0.5	4

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Analyte Symbol	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm
Detection Limit	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1192271	0.01	2	14	4.82	< 10	< 1	< 0.01	< 10	0.44	0.012	0.006	0.03	< 2	3	< 1
1192252	0.51	< 1	26	7.77	< 10	< 1	0.03	< 10	0.27	0.018	0.014	0.1	4	2	6
1192253	1.88	< 1	43	1.31	< 10	< 1	< 0.01	< 10	0.02	0.017	0.011	< 0.01	< 2	< 1	15
1192254	0.03	7	40	3.35	< 10	< 1	< 0.01	< 10	0.34	0.012	0.006	0.05	< 2	2	< 1
1192255	0.15	46	311	13.4	10	2	0.02	< 10	2.62	0.013	0.017	0.34	6	13	1
1192256	4.63	< 1	8	8.76	< 10	< 1	0.03	< 10	0.1	0.012	0.015	0.17	2	< 1	17
1192258	3.19	< 1	24	6.27	< 10	< 1	0.04	< 10	0.09	0.014	0.003	0.3	3	< 1	13
1192259	0.12	7	35	3.51	< 10	< 1	0.03	< 10	0.33	0.013	0.003	< 0.01	< 2	4	2
1192260	5.93	17	128	5.07	< 10	< 1	< 0.01	11	0.95	0.018	0.122	0.43	3	10	128
1192261	0.24	40	21	14.5	< 10	3	0.02	< 10	0.39	0.012	0.011	9.29	10	4	2
1192262	0.23	8	18	11.6	< 10	< 1	< 0.01	< 10	0.66	0.013	0.012	0.69	4	4	1
1192263	0.12	< 1	21	1.97	< 10	< 1	< 0.01	< 10	0.22	0.021	0.003	< 0.01	< 2	1	3
1192264	3.71	4	26	4.64	< 10	< 1	< 0.01	< 10	0.55	0.014	0.062	< 0.01	< 2	5	10
1192265	7.23	12	121	2.99	< 10	< 1	< 0.01	10	1.28	0.016	0.077	< 0.01	< 2	3	74
1192266	0.18	3	37	0.89	< 10	< 1	0.02	< 10	0.2	0.019	0.007	0.04	< 2	2	3
1192267	7.54	7	33	1.98	< 10	< 1	< 0.01	< 10	0.58	0.014	0.012	< 0.01	< 2	3	44
1192268	1.46	68	119	17	10	< 1	0.05	< 10	2.51	0.014	0.02	1.83	7	8	25
1192269	4.49	24	87	6.65	< 10	4	< 0.01	< 10	1.81	0.018	0.024	0.05	3	9	44
1192270	0.06	1	11	3.91	< 10	< 1	0.02	< 10	0.21	0.012	0.007	0.02	< 2	2	2
887141	2.28	45	258	7.85	< 10	2	< 0.01	< 10	2.61	0.034	0.023	0.09	4	12	33
887142	0.05	< 1	23	0.6	< 10	< 1	< 0.01	< 10	0.07	0.036	0.001	< 0.01	< 2	< 1	2
887143	0.43	7	29	2.12	< 10	< 1	< 0.01	< 10	0.45	0.026	0.005	< 0.01	< 2	4	9
887144	0.06	< 1	31	0.44	< 10	< 1	< 0.01	< 10	0.01	0.022	< 0.001	< 0.01	< 2	< 1	3
887145	3.03	< 1	32	27.2	< 10	< 1	0.17	< 10	0.89	0.022	0.016	0.5	7	6	20
887146	0.19	3	18	13.9	< 10	< 1	0.05	< 10	1.28	0.014	0.013	0.08	6	5	9
887147	0.28	22	66	23.3	20	< 1	< 0.01	< 10	3.36	0.01	0.036	0.07	7	34	1
887148	3.69	3	16	1.02	< 10	< 1	0.01	< 10	0.2	0.017	0.005	< 0.01	< 2	< 1	14
887149	0.06	< 1	19	4.1	< 10	< 1	0.02	< 10	0.6	0.018	0.008	< 0.01	< 2	5	3
887150	0.02	< 1	42	0.43	< 10	< 1	< 0.01	< 10	< 0.01	0.018	0.001	< 0.01	< 2	< 1	< 1
152958	0.23	< 1	35	22.7	< 10	< 1	1.44	< 10	1.28	0.082	0.052	0.84	7	8	15
152959	2.86	13	44	6.79	< 10	< 1	1.34	13	1.62	0.157	0.069	1.21	3	12	24

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Analyte Symbol	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm
Detection Limit	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
152960	1.2	4	44	13.1	10	< 1	1.18	10	1.43	0.103	0.07	2.13	2	13	12
152961	1.68	63	38	16.8	< 10	< 1	0.67	< 10	0.82	0.072	0.037	7.41	5	7	18
152962	1.01	8	29	1.9	< 10	< 1	0.07	< 10	0.59	0.118	0.048	0.07	< 2	6	9
152963	2.52	16	39	5.09	< 10	< 1	0.96	15	1.55	0.278	0.083	0.13	< 2	11	29
152964	2.77	20	63	5.77	< 10	< 1	1.01	< 10	1.55	0.179	0.057	0.29	3	8	28
1192272	3.3	28	176	13.5	< 10	< 1	0.1	< 10	2.45	0.019	0.026	0.11	5	15	15
1192273	2.85	< 1	5	18.9	< 10	< 1	< 0.01	< 10	0.99	0.012	0.009	0.37	6	2	11
1192274	0.91	< 1	31	15.9	< 10	1	< 0.01	< 10	0.91	0.013	0.013	0.25	7	5	4
1192275	2.47	< 1	9	25.2	< 10	< 1	< 0.01	< 10	1.22	0.01	0.01	0.19	9	3	12
1192276	4.46	40	256	8.46	10	< 1	0.06	< 10	2.42	0.03	0.027	< 0.01	< 2	21	17
1192277	4.68	37	184	10.3	< 10	< 1	0.13	< 10	2.05	0.02	0.028	0.04	3	12	21
1192278	2.56	< 1	6	6.83	< 10	< 1	< 0.01	< 10	0.31	0.013	0.009	0.2	< 2	2	11
1192279	1.66	1	10	11.7	< 10	< 1	< 0.01	< 10	0.65	0.012	0.011	0.76	4	3	7
1192280	1.16	< 1	8	4.85	< 10	< 1	< 0.01	< 10	0.23	0.013	0.007	0.36	< 2	< 1	5
1192281	1.58	< 1	9	12.9	< 10	2	< 0.01	< 10	0.71	0.013	0.007	0.83	5	< 1	7
887131	0.19	13	14	9.86	< 10	< 1	0.03	< 10	0.46	0.014	0.039	1.48	10	3	9
887132	3.68	42	156	8.7	10	< 1	< 0.01	< 10	2.74	0.035	0.038	0.03	4	24	18
887133	> 10.0	5	4	6.44	< 10	< 1	0.08	< 10	0.23	0.017	0.007	0.93	2	< 1	62
887134	> 10.0	24	93	7.83	< 10	< 1	< 0.01	< 10	2.17	0.019	0.019	0.01	3	14	28
887135	1.65	8	36	1.58	< 10	< 1	< 0.01	< 10	0.4	0.017	0.01	< 0.01	< 2	3	14
887136	0.58	13	25	4.28	< 10	< 1	0.08	< 10	0.12	0.028	0.001	1.83	< 2	< 1	4
887137	1.52	13	42	5.79	< 10	< 1	0.02	< 10	1.46	0.016	0.022	0.06	< 2	9	17
887138	0.24	1	10	6.1	< 10	< 1	< 0.01	< 10	0.09	0.014	0.006	0.41	2	1	2
887139	3.18	< 1	4	> 30.0	< 10	< 1	< 0.01	< 10	1.38	0.011	0.021	0.25	11	1	14
887140	0.39	< 1	16	5.2	< 10	< 1	< 0.01	< 10	0.3	0.015	0.015	0.12	< 2	2	3
1192282	4.36	< 1	5	23.9	< 10	< 1	< 0.01	< 10	1.26	0.01	0.007	0.93	8	< 1	16
1192283	3.63	< 1	2	26.3	< 10	< 1	< 0.01	< 10	1.79	0.011	0.007	0.94	9	< 1	14
1192284	5.37	< 1	3	22.4	< 10	< 1	< 0.01	< 10	1.65	0.011	0.008	1.76	7	< 1	22
1192285	8.11	< 1	4	14.7	< 10	< 1	< 0.01	< 10	0.96	0.012	0.015	1.61	5	3	40
1192286	9.24	4	17	8.91	< 10	< 1	< 0.01	< 10	0.69	0.012	0.011	1.15	3	3	43
1192287	0.07	8	23	2.9	< 10	< 1	< 0.01	< 10	0.02	0.016	< 0.001	1.56	< 2	< 1	1

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Analyte Symbol	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm
Detection Limit	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1192288	1.79	< 1	25	1.15	< 10	< 1	0.02	< 10	0.08	0.021	< 0.001	< 0.01	< 2	< 1	12
1192289	2.94	55	74	24.5	< 10	< 1	0.87	< 10	1.88	0.151	0.022	0.68	8	16	30

Analyte Symbol	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Detection Limit	0.01	20	1	2	10	1	10	1	1	0.02
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
1192271	0.04	< 20	2	< 2	< 10	23	< 10	< 1	11	
1192252	0.02	< 20	5	< 2	< 10	16	< 10	5	6	
1192253	< 0.01	< 20	< 1	< 2	< 10	2	< 10	3	< 1	
1192254	0.03	< 20	2	< 2	< 10	18	< 10	1	7	
1192255	0.11	< 20	5	< 2	< 10	91	< 10	4	10	
1192256	< 0.01	< 20	< 1	< 2	< 10	4	< 10	4	3	
1192258	< 0.01	< 20	8	< 2	< 10	3	< 10	2	2	
1192259	0.04	< 20	< 1	< 2	< 10	27	< 10	4	3	
1192260	0.12	< 20	2	< 2	< 10	79	< 10	11	7	
1192261	0.04	< 20	8	< 2	< 10	26	< 10	5	14	
1192262	0.09	< 20	5	< 2	< 10	48	< 10	2	16	
1192263	< 0.01	< 20	2	< 2	< 10	22	< 10	< 1	1	
1192264	0.09	< 20	3	< 2	< 10	49	< 10	7	6	
1192265	0.13	< 20	2	< 2	< 10	37	< 10	4	6	
1192266	< 0.01	< 20	< 1	< 2	< 10	14	< 10	< 1	< 1	
1192267	0.1	< 20	1	< 2	< 10	40	< 10	2	1	
1192268	0.44	< 20	< 1	< 2	< 10	193	< 10	7	6	
1192269	0.36	< 20	5	< 2	< 10	137	< 10	6	3	
1192270	0.03	< 20	1	< 2	< 10	16	< 10	2	6	
887141	0.46	< 20	7	< 2	< 10	159	< 10	6	4	
887142	< 0.01	< 20	< 1	< 2	< 10	5	< 10	< 1	< 1	
887143	0.08	< 20	< 1	< 2	< 10	41	< 10	3	1	
887144	< 0.01	< 20	< 1	3	< 10	1	< 10	< 1	< 1	
887145	0.05	< 20	< 1	< 2	< 10	48	< 10	3	11	
887146	0.04	< 20	< 1	< 2	< 10	104	< 10	2	12	
887147	0.13	< 20	< 1	< 2	< 10	315	< 10	11	7	
887148	< 0.01	< 20	< 1	< 2	< 10	18	< 10	< 1	< 1	
887149	< 0.01	< 20	< 1	< 2	< 10	47	< 10	1	2	
887150	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
152958	0.21	< 20	< 1	< 2	< 10	102	< 10	4	34	
152959	0.2	< 20	3	< 2	< 10	97	< 10	12	13	

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Analyte Symbol	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	
Detection Limit	0.01	20	1	2	10	1	10	1	1	0.02	
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	
152960	0.19	< 20	< 1	< 2	< 10	104	< 10	9	35		
152961	0.12	< 20	6	< 2	< 10	69	< 10	5	28		
152962	0.09	< 20	4	< 2	< 10	46	< 10	6	8		
152963	0.22	< 20	3	< 2	< 10	96	< 10	12	11	6.84	
152964	0.15	< 20	< 1	< 2	< 10	86	< 10	9	8		
1192272	0.02	< 20	< 1	< 2	< 10	120	< 10	5	4		
1192273	< 0.01	< 20	1	< 2	< 10	9	< 10	3	7		
1192274	0.05	< 20	< 1	< 2	< 10	44	< 10	3	13		
1192275	0.02	< 20	9	< 2	< 10	16	< 10	4	12		
1192276	< 0.01	< 20	< 1	< 2	< 10	174	< 10	7	3		
1192277	0.03	< 20	< 1	< 2	< 10	113	< 10	6	3		
1192278	< 0.01	< 20	< 1	< 2	< 10	9	< 10	2	3		
1192279	0.03	< 20	< 1	< 2	< 10	23	< 10	2	12		
1192280	< 0.01	< 20	< 1	< 2	< 10	4	< 10	2	3		
1192281	< 0.01	< 20	8	< 2	< 10	7	< 10	2	5		
887131	< 0.01	< 20	10	< 2	< 10	55	< 10	2	8	39.5	VEGA
887132	0.43	< 20	2	< 2	< 10	274	< 10	15	6		
887133	< 0.01	< 20	3	< 2	< 10	6	< 10	6	3		
887134	0.26	< 20	1	< 2	< 10	147	< 10	8	3		
887135	0.11	< 20	< 1	< 2	< 10	39	< 10	2	2		
887136	< 0.01	< 20	< 1	< 2	< 10	8	< 10	< 1	2		
887137	0.35	< 20	3	< 2	< 10	139	< 10	7	3		
887138	0.01	< 20	< 1	< 2	< 10	7	< 10	1	5		
887139	0.01	< 20	< 1	< 2	< 10	14	< 10	4	16		
887140	0.01	< 20	3	3	< 10	20	< 10	2	12		
1192282	< 0.01	< 20	< 1	< 2	< 10	7	< 10	5	8		
1192283	< 0.01	< 20	5	< 2	< 10	6	< 10	4	8		
1192284	< 0.01	< 20	< 1	< 2	< 10	9	< 10	4	8		
1192285	0.02	< 20	2	< 2	< 10	16	< 10	7	15		
1192286	0.02	< 20	< 1	2	< 10	24	< 10	7	6		
1192287	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	1		

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Analyte Symbol	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Detection Limit	0.01	20	1	2	10	1	10	1	1	0.02
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
1192288	< 0.01	< 20	< 1	< 2	< 10	8	< 10	< 1	< 1	
1192289	0.05	< 20	< 1	< 2	< 10	123	< 10	4	22	

Analyte Symbol	Au	Ag	Cd	Cu	Mn
Unit Symbol	ppb	ppm	ppm	ppm	ppm
Detection Limit	5	0.2	0.5	1	5
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.4	< 0.5	70	994
GXR-6 Cert		1.3	1	66	1010
GXR-6 Meas		0.5	< 0.5	72	996
GXR-6 Cert		1.3	1	66	1010
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2220	714
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730
OREAS 922 (AQUA REGIA) Meas		1.1	< 0.5	2260	709
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730
OREAS 923 (AQUA REGIA) Meas		1.8	< 0.5	4220	811
OREAS 923 (AQUA REGIA) Cert		1.62	0.4	4248	850
OREAS 923 (AQUA REGIA) Meas		2.1	< 0.5	4430	833
OREAS 923 (AQUA REGIA) Cert		1.62	0.4	4248	850
Oreas 96 (Aqua Regia) Meas		10.9		> 10000	
Oreas 96 (Aqua Regia) Cert		11.5		39100	
Oreas 96 (Aqua Regia) Meas		11.1		> 10000	
Oreas 96 (Aqua Regia) Cert		11.5		39100	
OREAS 220 (Fire Assay) Meas	854				
OREAS 220 (Fire Assay) Cert	866				
OREAS 220 (Fire Assay) Meas	843				
OREAS 220 (Fire Assay) Cert	866				
OREAS 229 (Fire Assay) Meas					
OREAS 229 (Fire Assay) Cert					
Oreas 621 (Aqua Regia) Meas		68.4	262	3380	474
Oreas 621 (Aqua Regia) Cert		68	278	3660	520
Oreas 621 (Aqua Regia) Meas		72.2	263	3460	482
Oreas 621 (Aqua Regia) Cert		68	278	3660	520
OREAS 229b (Fire Assay) Meas					
OREAS 229b (Fire Assay) Cert					
OREAS 238 (Fire Assay) Meas	3050				
OREAS 238 (Fire Assay) Cert	3030				
OREAS 238 (Fire Assay) Meas	3020				

Analyte Symbol	Au	Ag	Cd	Cu	Mn
Unit Symbol	ppb	ppm	ppm	ppm	ppm
Detection Limit	5	0.2	0.5	1	5
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 238 (Fire Assay) Cert	3030				
1192261 Orig	25				
1192261 Dup	24				
1192264 Orig		< 0.2	< 0.5	6	2110
1192264 Dup		< 0.2	0.5	6	2100
887141 Orig	8				
887141 Dup	< 5				
887148 Orig		< 0.2	< 0.5	15	464
887148 Dup		< 0.2	< 0.5	18	449
152959 Orig	29				
152959 Dup	23				
1192275 Orig		0.3	< 0.5	22	9030
1192275 Dup		0.3	< 0.5	23	9180
1192280 Orig	< 5				
1192280 Dup	< 5				
887134 Orig	< 5	< 0.2	< 0.5	25	2310
887134 Split PREP DUP	< 5	< 0.2	< 0.5	26	2320
887137 Orig		< 0.2	< 0.5	71	1200
887137 Dup		< 0.2	< 0.5	71	1210
887138 Orig	6				
887138 Dup	< 5				
Method Blank	< 5				
Method Blank	< 5				
Method Blank	< 5				
Method Blank	< 5				
Method Blank		< 0.2	< 0.5	< 1	< 5
Method Blank		< 0.2	< 0.5	< 1	< 5
Method Blank		< 0.2	< 0.5	< 1	< 5
Method Blank		< 0.2	< 0.5	< 1	< 5
Method Blank					

Analyte Symbol	Mo	Ni	Pb	Zn	Al
Unit Symbol	ppm	ppm	ppm	ppm	%
Detection Limit	1	1	2	2	0.01
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	2	24	96	122	6.24
GXR-6 Cert	2.4	27	101	118	17.7
GXR-6 Meas	2	25	92	123	6.51
GXR-6 Cert	2.4	27	101	118	17.7
OREAS 922 (AQUA REGIA) Meas	< 1	34	58	254	2.6
OREAS 922 (AQUA REGIA) Cert	0.69	34.3	60	256	2.72
OREAS 922 (AQUA REGIA) Meas	< 1	33	65	251	2.6
OREAS 922 (AQUA REGIA) Cert	0.69	34.3	60	256	2.72
OREAS 923 (AQUA REGIA) Meas	< 1	32	80	323	2.61
OREAS 923 (AQUA REGIA) Cert	0.84	32.7	81	335	2.8
OREAS 923 (AQUA REGIA) Meas	< 1	34	83	337	2.66
OREAS 923 (AQUA REGIA) Cert	0.84	32.7	81	335	2.8
Oreas 96 (Aqua Regia) Meas			83	406	
Oreas 96 (Aqua Regia) Cert			100	448	
Oreas 96 (Aqua Regia) Meas			84	404	
Oreas 96 (Aqua Regia) Cert			100	448	
OREAS 220 (Fire Assay) Meas					
OREAS 220 (Fire Assay) Cert					
OREAS 220 (Fire Assay) Meas					
OREAS 220 (Fire Assay) Cert					
OREAS 229 (Fire Assay) Meas					
OREAS 229 (Fire Assay) Cert					
Oreas 621 (Aqua Regia) Meas	13	22	> 5000	> 10000	1.62
Oreas 621 (Aqua Regia) Cert	13.3	25.8	13600	51700	1.6
Oreas 621 (Aqua Regia) Meas	14	27	> 5000	> 10000	1.6
Oreas 621 (Aqua Regia) Cert	13.3	25.8	13600	51700	1.6
OREAS 229b (Fire Assay) Meas					
OREAS 229b (Fire Assay) Cert					
OREAS 238 (Fire Assay) Meas					
OREAS 238 (Fire Assay) Cert					
OREAS 238 (Fire Assay) Meas					

Analyte Symbol	Mo	Ni	Pb	Zn	Al
Unit Symbol	ppm	ppm	ppm	ppm	%
Detection Limit	1	1	2	2	0.01
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 238 (Fire Assay) Cert					
1192261 Orig					
1192261 Dup					
1192264 Orig	2	16	< 2	116	1.26
1192264 Dup	2	17	< 2	115	1.27
887141 Orig					
887141 Dup					
887148 Orig	2	4	< 2	13	0.34
887148 Dup	2	5	< 2	16	0.33
152959 Orig					
152959 Dup					
1192275 Orig	< 1	12	3	75	0.65
1192275 Dup	< 1	6	3	72	0.67
1192280 Orig					
1192280 Dup					
887134 Orig	< 1	50	< 2	79	2.85
887134 Split PREP DUP	< 1	51	< 2	79	2.91
887137 Orig	1	18	< 2	57	1.97
887137 Dup	< 1	20	< 2	57	2.01
887138 Orig					
887138 Dup					
Method Blank					
Method Blank					
Method Blank					
Method Blank					
Method Blank	< 1	< 1	< 2	< 2	< 0.01
Method Blank	< 1	< 1	< 2	< 2	< 0.01
Method Blank	< 1	< 1	< 2	< 2	< 0.01
Method Blank	< 1	< 1	< 2	< 2	< 0.01
Method Blank					

Analyte Symbol	As	B	Ba	Be	Bi
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	10	10	0.5	2
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	228	< 10	783	0.8	< 2
GXR-6 Cert	330	9.8	1300	1.4	0.29
GXR-6 Meas	224	< 10	831	0.9	< 2
GXR-6 Cert	330	9.8	1300	1.4	0.29
OREAS 922 (AQUA REGIA) Meas	3		92	0.7	9
OREAS 922 (AQUA REGIA) Cert	6.12		70	0.65	10.3
OREAS 922 (AQUA REGIA) Meas	5		92	0.7	6
OREAS 922 (AQUA REGIA) Cert	6.12		70	0.65	10.3
OREAS 923 (AQUA REGIA) Meas	6		67	0.7	15
OREAS 923 (AQUA REGIA) Cert	7.07		54	0.61	21.8
OREAS 923 (AQUA REGIA) Meas	10		60	0.7	15
OREAS 923 (AQUA REGIA) Cert	7.07		54	0.61	21.8
Oreas 96 (Aqua Regia) Meas					< 2
Oreas 96 (Aqua Regia) Cert					27.9
Oreas 96 (Aqua Regia) Meas					< 2
Oreas 96 (Aqua Regia) Cert					27.9
OREAS 220 (Fire Assay) Meas					
OREAS 220 (Fire Assay) Cert					
OREAS 220 (Fire Assay) Meas					
OREAS 220 (Fire Assay) Cert					
OREAS 229 (Fire Assay) Meas					
OREAS 229 (Fire Assay) Cert					
Oreas 621 (Aqua Regia) Meas	76			0.6	< 2
Oreas 621 (Aqua Regia) Cert	75			0.53	3.85
Oreas 621 (Aqua Regia) Meas	81			0.6	7
Oreas 621 (Aqua Regia) Cert	75			0.53	3.85
OREAS 229b (Fire Assay) Meas					
OREAS 229b (Fire Assay) Cert					
OREAS 238 (Fire Assay) Meas					
OREAS 238 (Fire Assay) Cert					
OREAS 238 (Fire Assay) Meas					

Analyte Symbol	As	B	Ba	Be	Bi
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	10	10	0.5	2
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 238 (Fire Assay) Cert					
1192261 Orig					
1192261 Dup					
1192264 Orig	< 2	< 10	16	< 0.5	3
1192264 Dup	< 2	< 10	18	< 0.5	< 2
887141 Orig					
887141 Dup					
887148 Orig	< 2	< 10	16	< 0.5	< 2
887148 Dup	< 2	< 10	16	< 0.5	< 2
152959 Orig					
152959 Dup					
1192275 Orig	< 2	< 10	< 10	< 0.5	2
1192275 Dup	7	< 10	< 10	< 0.5	4
1192280 Orig					
1192280 Dup					
887134 Orig	3	< 10	< 10	< 0.5	< 2
887134 Split PREP DUP	< 2	< 10	< 10	< 0.5	< 2
887137 Orig	< 2	< 10	21	< 0.5	< 2
887137 Dup	< 2	< 10	23	< 0.5	< 2
887138 Orig					
887138 Dup					
Method Blank					
Method Blank					
Method Blank					
Method Blank					
Method Blank	< 2	< 10	< 10	< 0.5	< 2
Method Blank	< 2	< 10	< 10	< 0.5	< 2
Method Blank	< 2	< 10	< 10	< 0.5	< 2
Method Blank	< 2	< 10	< 10	< 0.5	< 2
Method Blank					

Analyte Symbol	Ca	Co	Cr	Fe	Ga
Unit Symbol	%	ppm	ppm	%	ppm
Detection Limit	0.01	1	1	0.01	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.12	11	84	6.02	20
GXR-6 Cert	0.18	13.8	96	5.58	35
GXR-6 Meas	0.12	12	89	5.88	20
GXR-6 Cert	0.18	13.8	96	5.58	35
OREAS 922 (AQUA REGIA) Meas	0.41	17	48	5.16	< 10
OREAS 922 (AQUA REGIA) Cert	0.324	19.4	40.7	5.05	7.62
OREAS 922 (AQUA REGIA) Meas	0.41	17	48	5.07	< 10
OREAS 922 (AQUA REGIA) Cert	0.324	19.4	40.7	5.05	7.62
OREAS 923 (AQUA REGIA) Meas	0.41	19	47	5.92	< 10
OREAS 923 (AQUA REGIA) Cert	0.326	22.2	39.4	5.91	8.01
OREAS 923 (AQUA REGIA) Meas	0.43	20	47	6.04	< 10
OREAS 923 (AQUA REGIA) Cert	0.326	22.2	39.4	5.91	8.01
Oreas 96 (Aqua Regia) Meas		42			
Oreas 96 (Aqua Regia) Cert		49.2			
Oreas 96 (Aqua Regia) Meas		40			
Oreas 96 (Aqua Regia) Cert		49.2			
OREAS 220 (Fire Assay) Meas					
OREAS 220 (Fire Assay) Cert					
OREAS 220 (Fire Assay) Meas					
OREAS 220 (Fire Assay) Cert					
OREAS 229 (Fire Assay) Meas					
OREAS 229 (Fire Assay) Cert					
Oreas 621 (Aqua Regia) Meas	1.48	27	29	3.15	10
Oreas 621 (Aqua Regia) Cert	1.65	27.9	31.3	3.43	9.29
Oreas 621 (Aqua Regia) Meas	1.69	27	34	3.14	10
Oreas 621 (Aqua Regia) Cert	1.65	27.9	31.3	3.43	9.29
OREAS 229b (Fire Assay) Meas					
OREAS 229b (Fire Assay) Cert					
OREAS 238 (Fire Assay) Meas					
OREAS 238 (Fire Assay) Cert					
OREAS 238 (Fire Assay) Meas					

Analyte Symbol	Ca	Co	Cr	Fe	Ga
Unit Symbol	%	ppm	ppm	%	ppm
Detection Limit	0.01	1	1	0.01	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 238 (Fire Assay) Cert					
1192261 Orig					
1192261 Dup					
1192264 Orig	3.71	4	26	4.67	< 10
1192264 Dup	3.72	4	26	4.6	< 10
887141 Orig					
887141 Dup					
887148 Orig	3.73	3	16	1.03	< 10
887148 Dup	3.66	3	16	1	< 10
152959 Orig					
152959 Dup					
1192275 Orig	2.47	< 1	9	24.8	< 10
1192275 Dup	2.48	< 1	9	25.7	< 10
1192280 Orig					
1192280 Dup					
887134 Orig	> 10.0	24	93	7.83	< 10
887134 Split PREP DUP	> 10.0	25	95	7.99	< 10
887137 Orig	1.5	13	42	5.8	< 10
887137 Dup	1.54	13	42	5.78	< 10
887138 Orig					
887138 Dup					
Method Blank					
Method Blank					
Method Blank					
Method Blank					
Method Blank	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank					

Analyte Symbol	Hg	K	La	Mg	Na
Unit Symbol	ppm	%	ppm	%	%
Detection Limit	1	0.01	10	0.01	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	1	1.14	< 10	0.4	0.064
GXR-6 Cert	0.068	1.87	13.9	0.609	0.104
GXR-6 Meas	< 1	1.21	< 10	0.42	0.067
GXR-6 Cert	0.068	1.87	13.9	0.609	0.104
OREAS 922 (AQUA REGIA) Meas		0.51	39	1.34	0.027
OREAS 922 (AQUA REGIA) Cert		0.376	32.5	1.33	0.021
OREAS 922 (AQUA REGIA) Meas		0.51	39	1.35	0.027
OREAS 922 (AQUA REGIA) Cert		0.376	32.5	1.33	0.021
OREAS 923 (AQUA REGIA) Meas		0.42	36	1.42	
OREAS 923 (AQUA REGIA) Cert		0.322	30	1.43	
OREAS 923 (AQUA REGIA) Meas		0.45	37	1.46	
OREAS 923 (AQUA REGIA) Cert		0.322	30	1.43	
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
OREAS 220 (Fire Assay) Meas					
OREAS 220 (Fire Assay) Cert					
OREAS 220 (Fire Assay) Meas					
OREAS 220 (Fire Assay) Cert					
OREAS 229 (Fire Assay) Meas					
OREAS 229 (Fire Assay) Cert					
Oreas 621 (Aqua Regia) Meas	3	0.39	20	0.44	0.16
Oreas 621 (Aqua Regia) Cert	3.93	0.333	19.4	0.436	0.16
Oreas 621 (Aqua Regia) Meas	3	0.4	20	0.44	0.166
Oreas 621 (Aqua Regia) Cert	3.93	0.333	19.4	0.436	0.16
OREAS 229b (Fire Assay) Meas					
OREAS 229b (Fire Assay) Cert					
OREAS 238 (Fire Assay) Meas					
OREAS 238 (Fire Assay) Cert					
OREAS 238 (Fire Assay) Meas					

Analyte Symbol	Hg	K	La	Mg	Na
Unit Symbol	ppm	%	ppm	%	%
Detection Limit	1	0.01	10	0.01	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 238 (Fire Assay) Cert					
1192261 Orig					
1192261 Dup					
1192264 Orig	< 1	< 0.01	< 10	0.54	0.014
1192264 Dup	< 1	< 0.01	< 10	0.55	0.014
887141 Orig					
887141 Dup					
887148 Orig	< 1	0.01	< 10	0.2	0.017
887148 Dup	< 1	0.01	< 10	0.19	0.017
152959 Orig					
152959 Dup					
1192275 Orig	< 1	< 0.01	< 10	1.2	0.011
1192275 Dup	< 1	< 0.01	< 10	1.25	0.01
1192280 Orig					
1192280 Dup					
887134 Orig	< 1	< 0.01	< 10	2.17	0.019
887134 Split PREP DUP	< 1	< 0.01	< 10	2.23	0.019
887137 Orig	< 1	0.02	< 10	1.44	0.015
887137 Dup	< 1	0.02	< 10	1.48	0.016
887138 Orig					
887138 Dup					
Method Blank					
Method Blank					
Method Blank					
Method Blank					
Method Blank	< 1	< 0.01	< 10	< 0.01	0.011
Method Blank	< 1	< 0.01	< 10	< 0.01	0.01
Method Blank	< 1	< 0.01	< 10	< 0.01	0.011
Method Blank	< 1	< 0.01	< 10	< 0.01	0.011
Method Blank					

Analyte Symbol	P	S	Sb	Sc	Sr
Unit Symbol	%	%	ppm	ppm	ppm
Detection Limit	0.001	0.01	2	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.033	0.01	< 2	18	26
GXR-6 Cert	0.035	0.016	3.6	27.6	35
GXR-6 Meas	0.035	0.01	3	19	27
GXR-6 Cert	0.035	0.016	3.6	27.6	35
OREAS 922 (AQUA REGIA) Meas	0.061	0.37	< 2	4	16
OREAS 922 (AQUA REGIA) Cert	0.063	0.386	0.57	3.15	15
OREAS 922 (AQUA REGIA) Meas	0.061	0.37	3	4	16
OREAS 922 (AQUA REGIA) Cert	0.063	0.386	0.57	3.15	15
OREAS 923 (AQUA REGIA) Meas	0.059	0.67	2	4	15
OREAS 923 (AQUA REGIA) Cert	0.061	0.684	0.58	3.09	13.6
OREAS 923 (AQUA REGIA) Meas	0.061	0.69	2	4	15
OREAS 923 (AQUA REGIA) Cert	0.061	0.684	0.58	3.09	13.6
Oreas 96 (Aqua Regia) Meas		3.82	5		
Oreas 96 (Aqua Regia) Cert		4.38	4.53		
Oreas 96 (Aqua Regia) Meas		3.96	5		
Oreas 96 (Aqua Regia) Cert		4.38	4.53		
OREAS 220 (Fire Assay) Meas					
OREAS 220 (Fire Assay) Cert					
OREAS 220 (Fire Assay) Meas					
OREAS 220 (Fire Assay) Cert					
OREAS 229 (Fire Assay) Meas					
OREAS 229 (Fire Assay) Cert					
Oreas 621 (Aqua Regia) Meas	0.033	4.36	102	2	17
Oreas 621 (Aqua Regia) Cert	0.0335	4.5	107	2.2	18.9
Oreas 621 (Aqua Regia) Meas	0.033	4.58	96	3	19
Oreas 621 (Aqua Regia) Cert	0.0335	4.5	107	2.2	18.9
OREAS 229b (Fire Assay) Meas					
OREAS 229b (Fire Assay) Cert					
OREAS 238 (Fire Assay) Meas					
OREAS 238 (Fire Assay) Cert					
OREAS 238 (Fire Assay) Meas					

Analyte Symbol	P	S	Sb	Sc	Sr
Unit Symbol	%	%	ppm	ppm	ppm
Detection Limit	0.001	0.01	2	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 238 (Fire Assay) Cert					
1192261 Orig					
1192261 Dup					
1192264 Orig	0.061	< 0.01	< 2	5	10
1192264 Dup	0.062	< 0.01	< 2	5	10
887141 Orig					
887141 Dup					
887148 Orig	0.005	< 0.01	< 2	< 1	14
887148 Dup	0.004	< 0.01	< 2	< 1	13
152959 Orig					
152959 Dup					
1192275 Orig	0.01	0.19	8	3	13
1192275 Dup	0.01	0.19	9	3	12
1192280 Orig					
1192280 Dup					
887134 Orig	0.019	0.01	3	14	28
887134 Split PREP DUP	0.019	0.01	2	14	29
887137 Orig	0.022	0.06	3	9	17
887137 Dup	0.022	0.06	< 2	9	18
887138 Orig					
887138 Dup					
Method Blank					
Method Blank					
Method Blank					
Method Blank					
Method Blank	< 0.001	< 0.01	< 2	< 1	< 1
Method Blank	< 0.001	< 0.01	< 2	< 1	< 1
Method Blank	< 0.001	< 0.01	< 2	< 1	< 1
Method Blank	< 0.001	< 0.01	< 2	< 1	< 1
Method Blank					

Analyte Symbol	Ti	Th	Te	Tl	U
Unit Symbol	%	ppm	ppm	ppm	ppm
Detection Limit	0.01	20	1	2	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		< 20	< 1	3	< 10
GXR-6 Cert		5.3	0.018	2.2	1.54
GXR-6 Meas		< 20	< 1	< 2	< 10
GXR-6 Cert		5.3	0.018	2.2	1.54
OREAS 922 (AQUA REGIA) Meas		< 20		< 2	< 10
OREAS 922 (AQUA REGIA) Cert		14.5		0.14	1.98
OREAS 922 (AQUA REGIA) Meas		< 20		< 2	< 10
OREAS 922 (AQUA REGIA) Cert		14.5		0.14	1.98
OREAS 923 (AQUA REGIA) Meas		< 20		< 2	< 10
OREAS 923 (AQUA REGIA) Cert		14.3		0.12	1.8
OREAS 923 (AQUA REGIA) Meas		< 20		< 2	< 10
OREAS 923 (AQUA REGIA) Cert		14.3		0.12	1.8
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
OREAS 220 (Fire Assay) Meas					
OREAS 220 (Fire Assay) Cert					
OREAS 220 (Fire Assay) Meas					
OREAS 220 (Fire Assay) Cert					
OREAS 229 (Fire Assay) Meas					
OREAS 229 (Fire Assay) Cert					
Oreas 621 (Aqua Regia) Meas		< 20		2	< 10
Oreas 621 (Aqua Regia) Cert		5.91		0.77	1.63
Oreas 621 (Aqua Regia) Meas		< 20		2	< 10
Oreas 621 (Aqua Regia) Cert		5.91		0.77	1.63
OREAS 229b (Fire Assay) Meas					
OREAS 229b (Fire Assay) Cert					
OREAS 238 (Fire Assay) Meas					
OREAS 238 (Fire Assay) Cert					
OREAS 238 (Fire Assay) Meas					

Analyte Symbol	Ti	Th	Te	Tl	U
Unit Symbol	%	ppm	ppm	ppm	ppm
Detection Limit	0.01	20	1	2	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 238 (Fire Assay) Cert					
1192261 Orig					
1192261 Dup					
1192264 Orig	0.09	< 20	1	< 2	< 10
1192264 Dup	0.09	< 20	5	< 2	< 10
887141 Orig					
887141 Dup					
887148 Orig	< 0.01	< 20	< 1	< 2	< 10
887148 Dup	< 0.01	< 20	< 1	< 2	< 10
152959 Orig					
152959 Dup					
1192275 Orig	0.02	< 20	7	< 2	< 10
1192275 Dup	0.02	< 20	10	< 2	< 10
1192280 Orig					
1192280 Dup					
887134 Orig	0.26	< 20	1	< 2	< 10
887134 Split PREP DUP	0.27	< 20	3	< 2	< 10
887137 Orig	0.35	< 20	3	< 2	< 10
887137 Dup	0.36	< 20	3	< 2	< 10
887138 Orig					
887138 Dup					
Method Blank					
Method Blank					
Method Blank					
Method Blank					
Method Blank	< 0.01	< 20	< 1	< 2	< 10
Method Blank	< 0.01	< 20	< 1	3	< 10
Method Blank	< 0.01	< 20	< 1	< 2	< 10
Method Blank	< 0.01	< 20	< 1	< 2	< 10
Method Blank					

Report Number: A19-15304
Report Date: 26/11/2019

Analyte Symbol	V	W	Y	Zr	Au
Unit Symbol	ppm	ppm	ppm	ppm	g/tonne
Detection Limit	1	10	1	1	0.02
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
GXR-6 Meas	173	< 10	4	6	
GXR-6 Cert	186	1.9	14	110	
GXR-6 Meas	175	< 10	5	6	
GXR-6 Cert	186	1.9	14	110	
OREAS 922 (AQUA REGIA) Meas	36	< 10	20	11	
OREAS 922 (AQUA REGIA) Cert	29.4	1.12	16	22.3	
OREAS 922 (AQUA REGIA) Meas	37	< 10	21	13	
OREAS 922 (AQUA REGIA) Cert	29.4	1.12	16	22.3	
OREAS 923 (AQUA REGIA) Meas	36	< 10	18	20	
OREAS 923 (AQUA REGIA) Cert	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	37	< 10	19	24	
OREAS 923 (AQUA REGIA) Cert	30.6	1.96	14.3	22.5	
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
Oreas 96 (Aqua Regia) Meas					
Oreas 96 (Aqua Regia) Cert					
OREAS 220 (Fire Assay) Meas					
OREAS 220 (Fire Assay) Cert					
OREAS 220 (Fire Assay) Meas					
OREAS 220 (Fire Assay) Cert					
OREAS 229 (Fire Assay) Meas					12.1
OREAS 229 (Fire Assay) Cert					12.1
Oreas 621 (Aqua Regia) Meas	13	< 10	8	58	
Oreas 621 (Aqua Regia) Cert	10.9	1	6.87	55	
Oreas 621 (Aqua Regia) Meas	13	< 10	8	55	
Oreas 621 (Aqua Regia) Cert	10.9	1	6.87	55	
OREAS 229b (Fire Assay) Meas					12
OREAS 229b (Fire Assay) Cert					11.9
OREAS 238 (Fire Assay) Meas					
OREAS 238 (Fire Assay) Cert					
OREAS 238 (Fire Assay) Meas					

Analyte Symbol	V	W	Y	Zr	Au
Unit Symbol	ppm	ppm	ppm	ppm	g/tonne
Detection Limit	1	10	1	1	0.02
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
OREAS 238 (Fire Assay) Cert					
1192261 Orig					
1192261 Dup					
1192264 Orig	49	< 10	7	6	
1192264 Dup	50	< 10	7	5	
887141 Orig					
887141 Dup					
887148 Orig	18	< 10	< 1	< 1	
887148 Dup	18	< 10	< 1	< 1	
152959 Orig					
152959 Dup					
1192275 Orig	16	< 10	4	12	
1192275 Dup	16	< 10	4	13	
1192280 Orig					
1192280 Dup					
887134 Orig	147	< 10	8	3	
887134 Split PREP DUP	149	< 10	9	3	
887137 Orig	137	< 10	7	3	
887137 Dup	140	< 10	7	3	
887138 Orig					
887138 Dup					
Method Blank					
Method Blank					
Method Blank					
Method Blank					
Method Blank	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 10	< 1	< 1	
Method Blank					< 0.02

CERTIFICATE OF ANALYSIS

AGAT WORK ORDER: 20B645653
PROJECT:
CLIENT NAME: RIVERSIDE RESOURCES (BC) INC
ATTENTION TO: Freeman Smith
DATE RECEIVED: Aug 31, 2020
DATE SAMPLED: Sep 01, 2020
DATE REPORTED: Sep 16, 2020

PACKAGE INFORMATION:

Work Sheet Name	Sample Ty	Package Name
X01	Rock	(200-) Sample Login Weight
X02	Rock	(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish
X03	Rock	(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)
X04	Rock	Sieving - % Passing (Crushing)
X05	Rock	Sieving - % Passing (Pulverizing)

(200-) Sample Login Weight

		Analyte:	Sample Login Weight
		Unit:	kg
Sample Id	**Sample Description**	**RDL:**	**0.01**
1410611	Oakes Aug 2020-01		3.08
1410612	Oakes Aug 2020-02		3.69
1410613	Oakes Aug 2020-03		3.95

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

		Analyte:	Ag	Al	As	B	Ba	Be	Bi
		Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Id	**Sample Description**	**RDL:**	**1**	**0.01**	**5**	**20**	**0.5**	**5**	**0.1**
1410611	Oakes Aug 2020-01		<1	0.22	<5	<20	9.5	<5	<0.1
1410612	Oakes Aug 2020-02		<1	8.59	<5	<20	137	<5	<0.1
1410613	Oakes Aug 2020-03		<1	5.92	<5	90	234	<5	12

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd
%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
0.05	**0.2**	**0.1**	**0.5**	**0.005**	**0.1**	**5**	**0.05**	**0.05**	**0.05**	**0.01**	**0.01**	**0.05**
0.14	<0.2	0.5	1.6	0.014	0.4	<5	0.08	<0.05	<0.05	0.64	0.8	0.08
6.03	<0.2	47.5	16.3	0.013	1.7	52	4.97	2.55	1.1	3.84	22.2	6.05
3.94	<0.2	15.5	38.2	0.016	1.9	91	3.96	2.33	0.84	6.86	14.7	3.55

Ge	Hf	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
1	**1**	**0.05**	**0.2**	**0.05**	**0.1**	**10**	**0.05**	**0.01**	**10**	**2**	**1**	**0.1**
<1	<1	<0.05	<0.2	<0.05	0.2	<10	<0.05	0.06	83	19	<1	0.3
1	4	0.99	<0.2	0.43	22.9	20	0.34	1.04	1030	8	9	25.9
1	2	0.85	<0.2	0.96	6.9	33	0.32	2.07	1420	9	3	9.8

Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	Sm	Sn	Sr	Ta
ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
5	**0.01**	**5**	**0.05**	**0.2**	**0.01**	**0.1**	**5**	**0.01**	**0.1**	**1**	**0.1**	**0.5**
12	<0.01	<5	0.06	2.8	<0.01	0.1	<5	47.3	<0.1	<1	2.3	<0.5
45	0.06	<5	6.35	23.9	0.09	0.9	16	31.7	5.4	2	231	<0.5
59	0.04	7	2.22	38.9	0.47	<0.1	33	31.7	2.6	1	168	<0.5

Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.05	**0.1**	**0.01**	**0.5**	**0.05**	**0.05**	**5**	**1**	**0.5**	**0.1**	**5**	**0.5**
<0.05	<0.1	0.01	1	<0.05	<0.05	8	<1	<0.5	<0.1	<5	2.7
0.87	2.5	0.38	<0.5	0.41	0.58	113	<1	25.6	2.5	69	165
0.6	1.5	0.56	<0.5	0.37	0.38	234	<1	21.4	2.2	108	80.9

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

		Analyte:	Au
		Unit:	ppm
Sample Id	**Sample Description**	**RDL:**	**0.001**
1410611	Oakes Aug 2020-01		0.003
1410612	Oakes Aug 2020-02		0.01
1410613	Oakes Aug 2020-03		0.396

Comments: RDL - Reported Detection Limit
Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Sieving - % Passing (Crushing)

		Analyte:	Pass %
		Unit:	%
Sample Id	**Sample Description**	**RDL:**	**0.01**
1410611	Oakes Aug 2020-01		77

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Sieving - % Passing (Pulverizing)

		Analyte:	Pass %
		Unit:	%
Sample Id	**Sample Description**	**RDL:**	**0.01**
1410612	Oakes Aug 2020-02		95

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Parameter	Sample Id	Original	Rep #1	RPD	Method Blank	Result Value	Reference Material
(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish							
Ag	1410611	< 1	< 1	0.0%	< 1	3.82	ref.WMG-1a
Al	1410611	0.22	0.25	12.8%	< 0.01	4.76	ref.WMG-1a
As	1410611	< 5	< 5	0.0%	< 5	6.58	ref.WMG-1a
B	1410611	< 20	< 20	0.0%	< 20		
Ba	1410611	9.5	10.1	6.1%	< 0.5	229	ref.WMG-1a
Be	1410611	< 5	< 5	0.0%	< 5		
Bi	1410611	< 0.1	< 0.1	0.0%	< 0.1		
Ca	1410611	0.144	0.174	18.9%	< 0.05	10.19	ref.WMG-1a
Cd	1410611	< 0.2	< 0.2	0.0%	< 0.2		
Ce	1410611	0.5	0.6	18.2%	< 0.1		
Co	1410611	1.6	1.4	13.3%	< 0.5	209	ref.WMG-1a
Cr	1410611	0.014	0.014	0.0%	< 0.005	0.0816	ref.WMG-1a
Cs	1410611	0.4	0.4	0.0%	< 0.1		
Cu	1410611	< 5	< 5	0.0%	< 5	7566	ref.WMG-1a
Dy	1410611	0.08	0.10	22.2%	< 0.05	2.469	ref.WMG-1a
Er	1410611	0.04	0.05	22.2%	< 0.05		
Eu	1410611	< 0.05	< 0.05	0.0%	< 0.05		
Fe	1410611	0.644	0.665	3.2%	< 0.01	12.95	ref.WMG-1a
Ga	1410611	0.802	0.815	1.6%	< 0.01		
Gd	1410611	0.08	0.09	11.8%	< 0.05		
Ge	1410611	< 1	< 1	0.0%	< 1		
Hf	1410611	< 1	< 1	0.0%	< 1		
Ho	1410611	< 0.05	< 0.05	0.0%	< 0.05		
In	1410611	< 0.2	< 0.2	0.0%	< 0.2		
K	1410611	< 0.05	< 0.05	0.0%	< 0.05	0.1023	ref.WMG-1a
La	1410611	0.2	0.3		< 0.1	8.32	ref.WMG-1a
Li	1410611	< 10	< 10	0.0%	< 10		
Lu	1410611	< 0.05	< 0.05	0.0%	< 0.05		
Mg	1410611	0.06	0.06	0.0%	< 0.01	7.66	ref.WMG-1a
Mn	1410611	83	87	4.7%	< 10		
Mo	1410611	19	16	17.1%	< 2	2.73	ref.WMG-1a
Nb	1410611	< 1	< 1	0.0%	< 1		
Nd	1410611	0.29	0.38	26.9%	< 0.1	9.84	ref.WMG-1a

Ni	1410611	12	16	28.6%	< 5	2584	ref.WMG-1a
P	1410611	< 0.01	< 0.01	0.0%	< 0.01	0.0731	ref.WMG-1a
Pb	1410611	< 5	< 5	0.0%	< 5		
Pr	1410611	0.06	0.09		< 0.05		
Rb	1410611	2.78	2.59	7.1%	< 0.2		
S	1410611	< 0.01	< 0.01	0.0%	< 0.01		
Sb	1410611	0.1	< 0.1		< 0.1		
Sc	1410611	< 5	< 5	0.0%	< 5	23.27	ref.WMG-1a
Si	1410611	47.3	47.7	0.8%	< 0.01	18.87	ref.WMG-1a
Sm	1410611	< 0.1	< 0.1	0.0%	< 0.1	2.278	ref.WMG-1a
Sn	1410611	< 1	< 1	0.0%	< 1		
Sr	1410611	2.3	3.0	26.4%	< 0.1	35.9	ref.WMG-1a
Ta	1410611	< 0.5	< 0.5	0.0%	< 0.5		
Tb	1410611	< 0.05	< 0.05	0.0%	< 0.05		
Th	1410611	< 0.1	< 0.1	0.0%	< 0.1		
Ti	1410611	0.01	0.01	0.0%	< 0.01	0.43	ref.WMG-1a
Tl	1410611	1.0	0.7		< 0.5		
Tm	1410611	< 0.05	< 0.05	0.0%	< 0.05		
U	1410611	< 0.05	< 0.05	0.0%	< 0.05		
V	1410611	8	11		< 5	157	ref.WMG-1a
W	1410611	< 1	< 1	0.0%	< 1		
Y	1410611	< 0.5	< 0.5	0.0%	< 0.5	13.03	ref.WMG-1a
Yb	1410611	< 0.1	< 0.1	0.0%	< 0.1		
Zn	1410611	< 5	< 5	0.0%	< 5	112	ref.WMG-1a
Zr	1410611	2.7	2.8	3.6%	< 0.5		
(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish							
Ag	1410613	< 1	1		< 1		
Al	1410613	5.92	5.87	0.8%	< 0.01		
As	1410613	< 5	< 5	0.0%	< 5		
B	1410613	90	88	2.2%	< 20		
Ba	1410613	234	232	0.9%	< 0.5		
Be	1410613	< 5	< 5	0.0%	< 5		
Bi	1410613	12.0	12.6	4.9%	< 0.1		
Ca	1410613	3.94	3.90	1.0%	< 0.05		
Cd	1410613	0.2	0.2	0.0%	< 0.2		
Ce	1410613	15.5	16.1	3.8%	< 0.1		

Co	1410613	38.2	38.4	0.5%	< 0.5
Cr	1410613	0.0161	0.0142	12.5%	< 0.005
Cs	1410613	1.86	1.72	7.8%	< 0.1
Cu	1410613	91	89	2.2%	< 5
Dy	1410613	3.96	4.17	5.2%	< 0.05
Er	1410613	2.33	2.42	3.8%	< 0.05
Eu	1410613	0.845	0.887	4.8%	< 0.05
Fe	1410613	6.86	6.81	0.7%	< 0.01
Ga	1410613	14.7	15.0	2.0%	< 0.01
Gd	1410613	3.55	3.64	2.5%	< 0.05
Ge	1410613	1	1	0.0%	< 1
Hf	1410613	2	2	0.0%	< 1
Ho	1410613	0.853	0.905	5.9%	< 0.05
In	1410613	< 0.2	< 0.2	0.0%	< 0.2
K	1410613	0.959	0.950	0.9%	< 0.05
La	1410613	6.9	7.0	1.4%	< 0.1
Li	1410613	33	27	20.0%	< 10
Lu	1410613	0.32	0.34	6.1%	< 0.05
Mg	1410613	2.07	2.01	2.9%	< 0.01
Mn	1410613	1420	1410	0.7%	< 10
Mo	1410613	9	9	0.0%	< 2
Nb	1410613	3	2	40.0%	< 1
Nd	1410613	9.8	10.3	5.0%	< 0.1
Ni	1410613	59	50	16.5%	< 5
P	1410613	0.04	0.03	28.6%	< 0.01
Pb	1410613	7	8	13.3%	< 5
Pr	1410613	2.22	2.32	4.4%	< 0.05
Rb	1410613	38.9	38.8	0.3%	< 0.2
S	1410613	0.466	0.458	1.7%	< 0.01
Sb	1410613	< 0.1	< 0.1	0.0%	< 0.1
Sc	1410613	33	32	3.1%	< 5
Si	1410613	31.7	31.6	0.3%	< 0.01
Sm	1410613	2.63	2.66	1.1%	< 0.1
Sn	1410613	1	1	0.0%	< 1
Sr	1410613	168	166	1.2%	< 0.1
Ta	1410613	< 0.5	< 0.5	0.0%	< 0.5
Tb	1410613	0.60	0.61	1.7%	< 0.05

Th	1410613	1.5	1.5	0.0%	< 0.1		
Ti	1410613	0.556	0.551	0.9%	< 0.01		
Tl	1410613	< 0.5	< 0.5	0.0%	< 0.5		
Tm	1410613	0.37	0.40	7.8%	< 0.05		
U	1410613	0.382	0.432	12.3%	< 0.05		
V	1410613	234	230	1.7%	< 5		
W	1410613	< 1	< 1	0.0%	< 1		
Y	1410613	21.4	21.6	0.9%	< 0.5		
Yb	1410613	2.2	2.4	8.7%	< 0.1		
Zn	1410613	108	113	4.5%	< 5		
Zr	1410613	80.9	78.2	3.4%	< 0.5		

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

Au	< 0.001	6.23	GS7H

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

Au	< 0.001	1.69	GS2T

Nominal	Recovery	Lower Limit	Upper Limit
3.03	**126%**	90%	110%
4.75	100%	90%	110%
5.99	110%	90%	110%
		90%	110%
216	106%	90%	110%
		90%	110%
		90%	110%
10.06	101%	90%	110%
		90%	110%
		90%	110%
191	109%	90%	110%
0.0804	101%	90%	110%
		90%	110%
7120	106%	90%	110%
2.291	108%	90%	110%
		90%	110%
		90%	110%
12.71	102%	90%	110%
		90%	110%
		90%	110%
		90%	110%
		90%	110%
		90%	110%
		90%	110%
0.1021	100%	90%	110%
8.47	98%	90%	110%
		90%	110%
		90%	110%
7.41	103%	90%	110%
		90%	110%
2.49	110%	90%	110%
		90%	110%
9.41	105%	90%	110%

2480	104%	90%	110%
0.0731	100%	90%	110%
		90%	110%
		90%	110%
		90%	110%
		90%	110%
		90%	110%
21.33	109%	90%	110%
18.27	103%	90%	110%
2.211	103%	90%	110%
		90%	110%
39.0	92%	90%	110%
		90%	110%
		90%	110%
		90%	110%
0.419	103%	90%	110%
		90%	110%
		90%	110%
		90%	110%
158	99%	90%	110%
		90%	110%
12.67	103%	90%	110%
		90%	110%
112	100%	90%	110%
		90%	110%

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		90%	110%
6.56	95%	90%	110%
1.75	96%	90%	110%

AGAT Laboratories

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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CLIENT NAME: RIVERSIDE RESOURCES (BC) INC
#550, 800 WEST PENDER STREET
VANCOUVER , BC V6C 2V6
778-327-6671

ATTENTION TO: Freeman Smith

PROJECT:

AGAT WORK ORDER: 20B645653

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Sep 16, 2020

PAGES (INCLUDING COVER): 13

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 20B645653

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

(200-) Sample Login Weight

DATE SAMPLED: Sep 01, 2020 | DATE RECEIVED: Aug 31, 2020 | DATE REPORTED: Sep 16, 2020 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
Oakes Aug 2020-01 (1410611)	3.08
Oakes Aug 2020-02 (1410612)	3.69
Oakes Aug 2020-03 (1410613)	3.95

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By: Sherin Moussa

AGAT Laboratories

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AGAT WORK ORDER: 20B645653
PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Sep 01, 2020 | DATE RECEIVED: Aug 31, 2020 | DATE REPORTED: Sep 16, 2020 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
Sample ID (AGAT ID) RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
Oakes Aug 2020-01 (1410611)	<1	0.22	<5	<20	9.5	<5	<0.1	0.14	<0.2	0.5	1.6	0.014	0.4	<5
Oakes Aug 2020-02 (1410612)	<1	8.59	<5	<20	137	<5	<0.1	6.03	<0.2	47.5	16.3	0.013	1.7	52
Oakes Aug 2020-03 (1410613)	<1	5.92	<5	90	234	<5	12.0	3.94	<0.2	15.5	38.2	0.016	1.9	91

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
Oakes Aug 2020-01 (1410611)	0.08	<0.05	<0.05	0.64	0.80	0.08	<1	<1	<0.05	<0.2	<0.05	0.2	<10	<0.05
Oakes Aug 2020-02 (1410612)	4.97	2.55	1.10	3.84	22.2	6.05	1	4	0.99	<0.2	0.43	22.9	20	0.34
Oakes Aug 2020-03 (1410613)	3.96	2.33	0.84	6.86	14.7	3.55	1	2	0.85	<0.2	0.96	6.9	33	0.32

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
Sample ID (AGAT ID) RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
Oakes Aug 2020-01 (1410611)	0.06	83	19	<1	0.3	12	<0.01	<5	0.06	2.8	<0.01	0.1	<5	47.3
Oakes Aug 2020-02 (1410612)	1.04	1030	8	9	25.9	45	0.06	<5	6.35	23.9	0.09	0.9	16	31.7
Oakes Aug 2020-03 (1410613)	2.07	1420	9	3	9.8	59	0.04	7	2.22	38.9	0.47	<0.1	33	31.7

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
Oakes Aug 2020-01 (1410611)	<0.1	<1	2.3	<0.5	<0.05	<0.1	0.01	1.0	<0.05	<0.05	8	<1	<0.5	<0.1
Oakes Aug 2020-02 (1410612)	5.4	2	231	<0.5	0.87	2.5	0.38	<0.5	0.41	0.58	113	<1	25.6	2.5
Oakes Aug 2020-03 (1410613)	2.6	1	168	<0.5	0.60	1.5	0.56	<0.5	0.37	0.38	234	<1	21.4	2.2

Analyte:	Zn	Zr
Unit:	ppm	ppm
Sample ID (AGAT ID) RDL:	5	0.5
Oakes Aug 2020-01 (1410611)	<5	2.7
Oakes Aug 2020-02 (1410612)	69	165
Oakes Aug 2020-03 (1410613)	108	80.9

Certified By: Sherin Moussa

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 20B645653

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Sep 01, 2020	DATE RECEIVED: Aug 31, 2020	DATE REPORTED: Sep 16, 2020	SAMPLE TYPE: Rock

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 20B645653

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Sep 01, 2020 | DATE RECEIVED: Aug 31, 2020 | DATE REPORTED: Sep 16, 2020 | SAMPLE TYPE: Rock

Analyte:	Au
Unit:	ppm
Sample ID (AGAT ID) RDL:	0.001
Oakes Aug 2020-01 (1410611)	0.003
Oakes Aug 2020-02 (1410612)	0.010
Oakes Aug 2020-03 (1410613)	0.396

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 20B645653

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

Sieving - % Passing (Crushing)

DATE SAMPLED: Sep 01, 2020 | DATE RECEIVED: Aug 31, 2020 | DATE REPORTED: Sep 16, 2020 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
Oakes Aug 2020-01 (1410611)	77

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 20B645653
PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Sep 01, 2020 | DATE RECEIVED: Aug 31, 2020 | DATE REPORTED: Sep 16, 2020 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
Oakes Aug 2020-02 (1410612)	95

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 20B645653

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

	REPLICATE #1				REPLICATE #2											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	1410611	< 1	< 1	0.0%	1410613	< 1	1									
Al	1410611	0.22	0.25	12.8%	1410613	5.92	5.87	0.8%								
As	1410611	< 5	< 5	0.0%	1410613	< 5	< 5	0.0%								
B	1410611	< 20	< 20	0.0%	1410613	90	88	2.2%								
Ba	1410611	9.5	10.1	6.1%	1410613	234	232	0.9%								
Be	1410611	< 5	< 5	0.0%	1410613	< 5	< 5	0.0%								
Bi	1410611	< 0.1	< 0.1	0.0%	1410613	12.0	12.6	4.9%								
Ca	1410611	0.144	0.174	18.9%	1410613	3.94	3.90	1.0%								
Cd	1410611	< 0.2	< 0.2	0.0%	1410613	0.2	0.2	0.0%								
Ce	1410611	0.5	0.6	18.2%	1410613	15.5	16.1	3.8%								
Co	1410611	1.6	1.4	13.3%	1410613	38.2	38.4	0.5%								
Cr	1410611	0.014	0.014	0.0%	1410613	0.0161	0.0142	12.5%								
Cs	1410611	0.4	0.4	0.0%	1410613	1.86	1.72	7.8%								
Cu	1410611	< 5	< 5	0.0%	1410613	91	89	2.2%								
Dy	1410611	0.08	0.10	22.2%	1410613	3.96	4.17	5.2%								
Er	1410611	0.04	0.05	22.2%	1410613	2.33	2.42	3.8%								
Eu	1410611	< 0.05	< 0.05	0.0%	1410613	0.845	0.887	4.8%								
Fe	1410611	0.644	0.665	3.2%	1410613	6.86	6.81	0.7%								
Ga	1410611	0.802	0.815	1.6%	1410613	14.7	15.0	2.0%								
Gd	1410611	0.08	0.09	11.8%	1410613	3.55	3.64	2.5%								
Ge	1410611	< 1	< 1	0.0%	1410613	1	1	0.0%								
Hf	1410611	< 1	< 1	0.0%	1410613	2	2	0.0%								
Ho	1410611	< 0.05	< 0.05	0.0%	1410613	0.853	0.905	5.9%								
In	1410611	< 0.2	< 0.2	0.0%	1410613	< 0.2	< 0.2	0.0%								
K	1410611	< 0.05	< 0.05	0.0%	1410613	0.959	0.950	0.9%								
La	1410611	0.2	0.3		1410613	6.9	7.0	1.4%								
Li	1410611	< 10	< 10	0.0%	1410613	33	27	20.0%								
Lu	1410611	< 0.05	< 0.05	0.0%	1410613	0.32	0.34	6.1%								
Mg	1410611	0.06	0.06	0.0%	1410613	2.07	2.01	2.9%								
Mn	1410611	83	87	4.7%	1410613	1420	1410	0.7%								
Mo	1410611	19	16	17.1%	1410613	9	9	0.0%								

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CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

Nb	1410611	< 1	< 1	0.0%	1410613	3	2	40.0%								
Nd	1410611	0.29	0.38	26.9%	1410613	9.8	10.3	5.0%								
Ni	1410611	12	16	28.6%	1410613	59	50	16.5%								
P	1410611	< 0.01	< 0.01	0.0%	1410613	0.04	0.03	28.6%								
Pb	1410611	< 5	< 5	0.0%	1410613	7	8	13.3%								
Pr	1410611	0.06	0.09		1410613	2.22	2.32	4.4%								
Rb	1410611	2.78	2.59	7.1%	1410613	38.9	38.8	0.3%								
S	1410611	< 0.01	< 0.01	0.0%	1410613	0.466	0.458	1.7%								
Sb	1410611	0.1	< 0.1		1410613	< 0.1	< 0.1	0.0%								
Sc	1410611	< 5	< 5	0.0%	1410613	33	32	3.1%								
Si	1410611	47.3	47.7	0.8%	1410613	31.7	31.6	0.3%								
Sm	1410611	< 0.1	< 0.1	0.0%	1410613	2.63	2.66	1.1%								
Sn	1410611	< 1	< 1	0.0%	1410613	1	1	0.0%								
Sr	1410611	2.3	3.0	26.4%	1410613	168	166	1.2%								
Ta	1410611	< 0.5	< 0.5	0.0%	1410613	< 0.5	< 0.5	0.0%								
Tb	1410611	< 0.05	< 0.05	0.0%	1410613	0.60	0.61	1.7%								
Th	1410611	< 0.1	< 0.1	0.0%	1410613	1.5	1.5	0.0%								
Ti	1410611	0.01	0.01	0.0%	1410613	0.556	0.551	0.9%								
Tl	1410611	1.0	0.7		1410613	< 0.5	< 0.5	0.0%								
Tm	1410611	< 0.05	< 0.05	0.0%	1410613	0.37	0.40	7.8%								
U	1410611	< 0.05	< 0.05	0.0%	1410613	0.382	0.432	12.3%								
V	1410611	8	11		1410613	234	230	1.7%								
W	1410611	< 1	< 1	0.0%	1410613	< 1	< 1	0.0%								
Y	1410611	< 0.5	< 0.5	0.0%	1410613	21.4	21.6	0.9%								
Yb	1410611	< 0.1	< 0.1	0.0%	1410613	2.2	2.4	8.7%								
Zn	1410611	< 5	< 5	0.0%	1410613	108	113	4.5%								
Zr	1410611	2.7	2.8	3.6%	1410613	80.9	78.2	3.4%								

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 20B645653

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Freeman Smith

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

	CRM #1 (ref.WMG-1a)				CRM #2 (GS2T)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Ag	3.03	3.82	126%	90% - 110%												
Al	4.75	4.76	100%	90% - 110%												
As	5.99	6.58	110%	90% - 110%												
Ba	216	229	106%	90% - 110%												
Ca	10.06	10.19	101%	90% - 110%												
Co	191	209	109%	90% - 110%												
Cr	0.0804	0.0816	101%	90% - 110%												
Cu	7120	7566	106%	90% - 110%												
Dy	2.291	2.469	108%	90% - 110%												
Fe	12.71	12.95	102%	90% - 110%												
K	0.1021	0.1023	100%	90% - 110%												
La	8.47	8.32	98%	90% - 110%												
Mg	7.41	7.66	103%	90% - 110%												
Mo	2.49	2.73	110%	90% - 110%												
Nd	9.41	9.84	105%	90% - 110%												
Ni	2480	2584	104%	90% - 110%												
P	0.0731	0.0731	100%	90% - 110%												
Sc	21.33	23.27	109%	90% - 110%												
Si	18.27	18.87	103%	90% - 110%												
Sm	2.211	2.278	103%	90% - 110%												
Sr	39.0	35.9	92%	90% - 110%												
Ti	0.419	0.43	103%	90% - 110%												
V	158	157	99%	90% - 110%												
Y	12.67	13.03	103%	90% - 110%												
Zn	112	112	100%	90% - 110%												

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

	CRM #1 (GS7H)				CRM #2 (GS2T)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Au	6.56	6.23	95%	90% - 110%	1.75	1.69	96%	90% - 110%								

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Method Summary

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC
AGAT WORK ORDER: 20B645653
PROJECT:
ATTENTION TO: Freeman Smith
SAMPLING SITE:
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Al	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
As	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
B	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Ba	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Be	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Bi	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ca	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Cd	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ce	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Co	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Cr	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Cs	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Cu	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Dy	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Er	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Eu	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Fe	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Ga	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Gd	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ge	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Hf	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ho	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
In	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
K	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
La	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Li	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES

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Method Summary

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC
AGAT WORK ORDER: 20B645653
PROJECT:
ATTENTION TO: Freeman Smith
SAMPLING SITE:
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Lu	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Mg	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Mn	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Mo	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Nb	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Nd	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ni	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
P	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Pb	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Pr	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Rb	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
S	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Sb	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Sc	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Si	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Sm	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Sn	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Sr	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Ta	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Tb	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Th	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ti	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Tl	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Tm	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
U	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
V	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
W	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Y	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS

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Method Summary

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

AGAT WORK ORDER: 20B645653

PROJECT:

ATTENTION TO: Freeman Smith

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Yb	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Zn	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Zr	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Au	MW-200-12006	BUGBEE, E;A Textbook of Fire Assay	ICP/OES
Pass %			BALANCE

CERTIFICATE OF ANALYSIS

AGAT WORK ORDER: 20B645653
PROJECT:
CLIENT NAME: RIVERSIDE RESOURCES (BC) INC
ATTENTION TO: Freeman Smith
DATE RECEIVED: Aug 31, 2020
DATE SAMPLED: Sep 01, 2020
DATE REPORTED: Sep 16, 2020

PACKAGE INFORMATION:

Work Sheet Name	Sample Ty	Package Name
X01	Rock	(200-) Sample Login Weight
X02	Rock	(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish
X03	Rock	(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)
X04	Rock	Sieving - % Passing (Crushing)
X05	Rock	Sieving - % Passing (Pulverizing)

(200-) Sample Login Weight

		Analyte:	Sample Login Weight
		Unit:	kg
Sample Id	**Sample Description**	**RDL:**	**0.01**
1410611	Oakes Aug 2020-01		3.08
1410612	Oakes Aug 2020-02		3.69
1410613	Oakes Aug 2020-03		3.95

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

		Analyte:	Ag	Al	As	B	Ba	Be	Bi
		Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Id	**Sample Description**	**RDL:**	**1**	**0.01**	**5**	**20**	**0.5**	**5**	**0.1**
1410611	Oakes Aug 2020-01		<1	0.22	<5	<20	9.5	<5	<0.1
1410612	Oakes Aug 2020-02		<1	8.59	<5	<20	137	<5	<0.1
1410613	Oakes Aug 2020-03		<1	5.92	<5	90	234	<5	12

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd
%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
0.05	**0.2**	**0.1**	**0.5**	**0.005**	**0.1**	**5**	**0.05**	**0.05**	**0.05**	**0.01**	**0.01**	**0.05**
0.14	<0.2	0.5	1.6	0.014	0.4	<5	0.08	<0.05	<0.05	0.64	0.8	0.08
6.03	<0.2	47.5	16.3	0.013	1.7	52	4.97	2.55	1.1	3.84	22.2	6.05
3.94	<0.2	15.5	38.2	0.016	1.9	91	3.96	2.33	0.84	6.86	14.7	3.55

Ge	Hf	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
1	**1**	**0.05**	**0.2**	**0.05**	**0.1**	**10**	**0.05**	**0.01**	**10**	**2**	**1**	**0.1**
<1	<1	<0.05	<0.2	<0.05	0.2	<10	<0.05	0.06	83	19	<1	0.3
1	4	0.99	<0.2	0.43	22.9	20	0.34	1.04	1030	8	9	25.9
1	2	0.85	<0.2	0.96	6.9	33	0.32	2.07	1420	9	3	9.8

Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	Sm	Sn	Sr	Ta
ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
5	**0.01**	**5**	**0.05**	**0.2**	**0.01**	**0.1**	**5**	**0.01**	**0.1**	**1**	**0.1**	**0.5**
12	<0.01	<5	0.06	2.8	<0.01	0.1	<5	47.3	<0.1	<1	2.3	<0.5
45	0.06	<5	6.35	23.9	0.09	0.9	16	31.7	5.4	2	231	<0.5
59	0.04	7	2.22	38.9	0.47	<0.1	33	31.7	2.6	1	168	<0.5

Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.05	**0.1**	**0.01**	**0.5**	**0.05**	**0.05**	**5**	**1**	**0.5**	**0.1**	**5**	**0.5**
<0.05	<0.1	0.01	1	<0.05	<0.05	8	<1	<0.5	<0.1	<5	2.7
0.87	2.5	0.38	<0.5	0.41	0.58	113	<1	25.6	2.5	69	165
0.6	1.5	0.56	<0.5	0.37	0.38	234	<1	21.4	2.2	108	80.9

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

		Analyte:	Au
		Unit:	ppm
Sample Id	**Sample Description**	**RDL:**	**0.001**
1410611	Oakes Aug 2020-01		0.003
1410612	Oakes Aug 2020-02		0.01
1410613	Oakes Aug 2020-03		0.396

Comments: RDL - Reported Detection Limit
Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Sieving - % Passing (Crushing)

		Analyte:	Pass %
		Unit:	%
Sample Id	**Sample Description**	**RDL:**	**0.01**
1410611	Oakes Aug 2020-01		77

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Sieving - % Passing (Pulverizing)

		Analyte:	Pass %
		Unit:	%
Sample Id	**Sample Description**	**RDL:**	**0.01**
1410612	Oakes Aug 2020-02		95

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Parameter	Sample Id	Original	Rep #1	RPD	Method Blank	Result Value	Reference Material
(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish							
Ag	1410611	< 1	< 1	0.0%	< 1	3.82	ref.WMG-1a
Al	1410611	0.22	0.25	12.8%	< 0.01	4.76	ref.WMG-1a
As	1410611	< 5	< 5	0.0%	< 5	6.58	ref.WMG-1a
B	1410611	< 20	< 20	0.0%	< 20		
Ba	1410611	9.5	10.1	6.1%	< 0.5	229	ref.WMG-1a
Be	1410611	< 5	< 5	0.0%	< 5		
Bi	1410611	< 0.1	< 0.1	0.0%	< 0.1		
Ca	1410611	0.144	0.174	18.9%	< 0.05	10.19	ref.WMG-1a
Cd	1410611	< 0.2	< 0.2	0.0%	< 0.2		
Ce	1410611	0.5	0.6	18.2%	< 0.1		
Co	1410611	1.6	1.4	13.3%	< 0.5	209	ref.WMG-1a
Cr	1410611	0.014	0.014	0.0%	< 0.005	0.0816	ref.WMG-1a
Cs	1410611	0.4	0.4	0.0%	< 0.1		
Cu	1410611	< 5	< 5	0.0%	< 5	7566	ref.WMG-1a
Dy	1410611	0.08	0.10	22.2%	< 0.05	2.469	ref.WMG-1a
Er	1410611	0.04	0.05	22.2%	< 0.05		
Eu	1410611	< 0.05	< 0.05	0.0%	< 0.05		
Fe	1410611	0.644	0.665	3.2%	< 0.01	12.95	ref.WMG-1a
Ga	1410611	0.802	0.815	1.6%	< 0.01		
Gd	1410611	0.08	0.09	11.8%	< 0.05		
Ge	1410611	< 1	< 1	0.0%	< 1		
Hf	1410611	< 1	< 1	0.0%	< 1		
Ho	1410611	< 0.05	< 0.05	0.0%	< 0.05		
In	1410611	< 0.2	< 0.2	0.0%	< 0.2		
K	1410611	< 0.05	< 0.05	0.0%	< 0.05	0.1023	ref.WMG-1a
La	1410611	0.2	0.3		< 0.1	8.32	ref.WMG-1a
Li	1410611	< 10	< 10	0.0%	< 10		
Lu	1410611	< 0.05	< 0.05	0.0%	< 0.05		
Mg	1410611	0.06	0.06	0.0%	< 0.01	7.66	ref.WMG-1a
Mn	1410611	83	87	4.7%	< 10		
Mo	1410611	19	16	17.1%	< 2	2.73	ref.WMG-1a
Nb	1410611	< 1	< 1	0.0%	< 1		
Nd	1410611	0.29	0.38	26.9%	< 0.1	9.84	ref.WMG-1a

Ni	1410611	12	16	28.6%	< 5	2584	ref.WMG-1a
P	1410611	< 0.01	< 0.01	0.0%	< 0.01	0.0731	ref.WMG-1a
Pb	1410611	< 5	< 5	0.0%	< 5		
Pr	1410611	0.06	0.09		< 0.05		
Rb	1410611	2.78	2.59	7.1%	< 0.2		
S	1410611	< 0.01	< 0.01	0.0%	< 0.01		
Sb	1410611	0.1	< 0.1		< 0.1		
Sc	1410611	< 5	< 5	0.0%	< 5	23.27	ref.WMG-1a
Si	1410611	47.3	47.7	0.8%	< 0.01	18.87	ref.WMG-1a
Sm	1410611	< 0.1	< 0.1	0.0%	< 0.1	2.278	ref.WMG-1a
Sn	1410611	< 1	< 1	0.0%	< 1		
Sr	1410611	2.3	3.0	26.4%	< 0.1	35.9	ref.WMG-1a
Ta	1410611	< 0.5	< 0.5	0.0%	< 0.5		
Tb	1410611	< 0.05	< 0.05	0.0%	< 0.05		
Th	1410611	< 0.1	< 0.1	0.0%	< 0.1		
Ti	1410611	0.01	0.01	0.0%	< 0.01	0.43	ref.WMG-1a
Tl	1410611	1.0	0.7		< 0.5		
Tm	1410611	< 0.05	< 0.05	0.0%	< 0.05		
U	1410611	< 0.05	< 0.05	0.0%	< 0.05		
V	1410611	8	11		< 5	157	ref.WMG-1a
W	1410611	< 1	< 1	0.0%	< 1		
Y	1410611	< 0.5	< 0.5	0.0%	< 0.5	13.03	ref.WMG-1a
Yb	1410611	< 0.1	< 0.1	0.0%	< 0.1		
Zn	1410611	< 5	< 5	0.0%	< 5	112	ref.WMG-1a
Zr	1410611	2.7	2.8	3.6%	< 0.5		
(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish							
Ag	1410613	< 1	1		< 1		
Al	1410613	5.92	5.87	0.8%	< 0.01		
As	1410613	< 5	< 5	0.0%	< 5		
B	1410613	90	88	2.2%	< 20		
Ba	1410613	234	232	0.9%	< 0.5		
Be	1410613	< 5	< 5	0.0%	< 5		
Bi	1410613	12.0	12.6	4.9%	< 0.1		
Ca	1410613	3.94	3.90	1.0%	< 0.05		
Cd	1410613	0.2	0.2	0.0%	< 0.2		
Ce	1410613	15.5	16.1	3.8%	< 0.1		

Co	1410613	38.2	38.4	0.5%	< 0.5
Cr	1410613	0.0161	0.0142	12.5%	< 0.005
Cs	1410613	1.86	1.72	7.8%	< 0.1
Cu	1410613	91	89	2.2%	< 5
Dy	1410613	3.96	4.17	5.2%	< 0.05
Er	1410613	2.33	2.42	3.8%	< 0.05
Eu	1410613	0.845	0.887	4.8%	< 0.05
Fe	1410613	6.86	6.81	0.7%	< 0.01
Ga	1410613	14.7	15.0	2.0%	< 0.01
Gd	1410613	3.55	3.64	2.5%	< 0.05
Ge	1410613	1	1	0.0%	< 1
Hf	1410613	2	2	0.0%	< 1
Ho	1410613	0.853	0.905	5.9%	< 0.05
In	1410613	< 0.2	< 0.2	0.0%	< 0.2
K	1410613	0.959	0.950	0.9%	< 0.05
La	1410613	6.9	7.0	1.4%	< 0.1
Li	1410613	33	27	20.0%	< 10
Lu	1410613	0.32	0.34	6.1%	< 0.05
Mg	1410613	2.07	2.01	2.9%	< 0.01
Mn	1410613	1420	1410	0.7%	< 10
Mo	1410613	9	9	0.0%	< 2
Nb	1410613	3	2	40.0%	< 1
Nd	1410613	9.8	10.3	5.0%	< 0.1
Ni	1410613	59	50	16.5%	< 5
P	1410613	0.04	0.03	28.6%	< 0.01
Pb	1410613	7	8	13.3%	< 5
Pr	1410613	2.22	2.32	4.4%	< 0.05
Rb	1410613	38.9	38.8	0.3%	< 0.2
S	1410613	0.466	0.458	1.7%	< 0.01
Sb	1410613	< 0.1	< 0.1	0.0%	< 0.1
Sc	1410613	33	32	3.1%	< 5
Si	1410613	31.7	31.6	0.3%	< 0.01
Sm	1410613	2.63	2.66	1.1%	< 0.1
Sn	1410613	1	1	0.0%	< 1
Sr	1410613	168	166	1.2%	< 0.1
Ta	1410613	< 0.5	< 0.5	0.0%	< 0.5
Tb	1410613	0.60	0.61	1.7%	< 0.05

Th	1410613	1.5	1.5	0.0%	< 0.1		
Ti	1410613	0.556	0.551	0.9%	< 0.01		
Tl	1410613	< 0.5	< 0.5	0.0%	< 0.5		
Tm	1410613	0.37	0.40	7.8%	< 0.05		
U	1410613	0.382	0.432	12.3%	< 0.05		
V	1410613	234	230	1.7%	< 5		
W	1410613	< 1	< 1	0.0%	< 1		
Y	1410613	21.4	21.6	0.9%	< 0.5		
Yb	1410613	2.2	2.4	8.7%	< 0.1		
Zn	1410613	108	113	4.5%	< 5		
Zr	1410613	80.9	78.2	3.4%	< 0.5		

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

Au	< 0.001	6.23	GS7H

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

Au	< 0.001	1.69	GS2T

Nominal	Recovery	Lower Limit	Upper Limit
3.03	**126%**	90%	110%
4.75	100%	90%	110%
5.99	110%	90%	110%
		90%	110%
216	106%	90%	110%
		90%	110%
		90%	110%
10.06	101%	90%	110%
		90%	110%
		90%	110%
191	109%	90%	110%
0.0804	101%	90%	110%
		90%	110%
7120	106%	90%	110%
2.291	108%	90%	110%
		90%	110%
		90%	110%
12.71	102%	90%	110%
		90%	110%
		90%	110%
		90%	110%
		90%	110%
		90%	110%
		90%	110%
0.1021	100%	90%	110%
8.47	98%	90%	110%
		90%	110%
		90%	110%
7.41	103%	90%	110%
		90%	110%
2.49	110%	90%	110%
		90%	110%
9.41	105%	90%	110%

2480	104%	90%	110%
0.0731	100%	90%	110%
		90%	110%
		90%	110%
		90%	110%
		90%	110%
		90%	110%
21.33	109%	90%	110%
18.27	103%	90%	110%
2.211	103%	90%	110%
		90%	110%
39.0	92%	90%	110%
		90%	110%
		90%	110%
		90%	110%
0.419	103%	90%	110%
		90%	110%
		90%	110%
		90%	110%
158	99%	90%	110%
		90%	110%
12.67	103%	90%	110%
		90%	110%
112	100%	90%	110%
		90%	110%

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6.56	95%	90%	110%
1.75	96%	90%	110%

AGAT Laboratories

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CLIENT NAME: RIVERSIDE RESOURCES (BC) INC
#550, 800 WEST PENDER STREET
VANCOUVER , BC V6C 2V6
778-327-6671

ATTENTION TO: Fregman Smith

PROJECT:

AGAT WORK ORDER: 20T615460

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Jul 07, 2020

PAGES (INCLUDING COVER): 13

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 20T615460

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Fregman Smith

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2020 | DATE RECEIVED: Jun 19, 2020 | DATE REPORTED: Jul 07, 2020 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
HAW-01 (1211597)	3.580
HAW-02 (1211598)	4.112
HAW-03 (1211599)	2.452
HAW-04 (1211600)	3.018
OAKES-01 (1211601)	2.8274
OAKES-02 (1211602)	1.989
OAKES-03 (1211603)	3.565

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 20T615460

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Fregman Smith

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2020 | DATE RECEIVED: Jun 19, 2020 | DATE REPORTED: Jul 07, 2020 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
Sample ID (AGAT ID) RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
HAW-01 (1211597)	<1	7.37	<5	<20	444	<5	1.1	2.03	0.4	26.2	4.5	0.022	5.0	46
HAW-02 (1211598)	<1	7.72	<5	<20	421	<5	1.4	1.62	1.0	26.5	4.5	0.025	1.8	90
HAW-03 (1211599)	23	4.54	<5	86	101	<5	9.2	2.27	4.2	5.5	29.8	0.033	2.9	262
HAW-04 (1211600)	<1	7.90	<5	<20	517	<5	2.6	1.45	0.5	24.2	4.8	0.022	1.4	65
OAKES-01 (1211601)	<1	7.86	<5	53	409	<5	0.9	2.83	<0.2	47.9	8.4	0.013	2.3	52
OAKES-02 (1211602)	<1	9.20	<5	22	404	<5	1.1	6.97	0.2	49.7	23.7	0.025	1.5	23
OAKES-03 (1211603)	<1	5.20	<5	47	15.4	<5	3.2	6.33	<0.2	23.7	23.7	0.020	0.4	304

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
HAW-01 (1211597)	0.75	0.37	0.51	1.66	17.6	1.27	2	3	0.13	<0.2	2.19	11.8	20	0.05
HAW-02 (1211598)	0.92	0.43	0.51	1.87	17.8	1.49	2	3	0.16	<0.2	2.20	13.2	32	0.07
HAW-03 (1211599)	1.94	1.41	0.81	6.78	8.50	1.65	2	1	0.45	<0.2	1.09	2.1	18	0.22
HAW-04 (1211600)	0.81	0.40	0.43	1.76	19.4	1.36	2	3	0.16	<0.2	2.18	11.2	40	0.07
OAKES-01 (1211601)	2.79	2.04	0.73	12.9	20.2	2.41	1	4	0.67	<0.2	1.61	23.3	20	0.37
OAKES-02 (1211602)	4.14	2.63	1.40	6.66	28.4	4.31	2	5	0.89	<0.2	0.92	25.1	22	0.40
OAKES-03 (1211603)	2.97	2.27	0.89	21.1	12.5	2.58	1	3	0.70	<0.2	0.28	11.8	12	0.37

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
Sample ID (AGAT ID) RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
HAW-01 (1211597)	0.45	329	4	4	8.8	12	0.03	7	2.52	63.3	0.19	<0.1	<5	37.8
HAW-02 (1211598)	0.49	350	<2	5	9.8	9	0.03	13	2.81	62.3	0.36	<0.1	<5	37.6
HAW-03 (1211599)	0.92	601	<2	1	4.1	63	0.02	536	0.83	43.5	2.05	0.2	25	34.9
HAW-04 (1211600)	0.48	348	3	4	8.6	11	0.03	5	2.52	63.3	0.16	<0.1	<5	37.2
OAKES-01 (1211601)	2.28	2850	<2	8	14.6	10	0.09	<5	4.92	64.7	0.60	<0.1	21	24.2
OAKES-02 (1211602)	1.92	1210	<2	10	20.2	24	0.11	5	5.49	33.9	0.09	<0.1	24	27.5
OAKES-03 (1211603)	1.23	6870	<2	5	10.6	12	0.06	<5	2.78	5.3	2.73	<0.1	14	19.5

Certified By:

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 20T615460
PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Fregman Smith

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2020 | DATE RECEIVED: Jun 19, 2020 | DATE REPORTED: Jul 07, 2020 | SAMPLE TYPE: Rock

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
HAW-01 (1211597)	1.5	1	194	<0.5	0.16	2.2	0.15	<0.5	0.06	0.58	28	12	3.7	0.4
HAW-02 (1211598)	1.6	1	210	<0.5	0.18	2.4	0.16	<0.5	0.07	0.60	28	10	4.1	0.5
HAW-03 (1211599)	1.4	<1	42.6	<0.5	0.28	0.2	0.45	<0.5	0.20	0.08	189	10	11.0	1.3
HAW-04 (1211600)	1.3	1	240	1.2	0.14	2.3	0.14	<0.5	0.06	0.60	29	7	4.2	0.4
OAKES-01 (1211601)	2.5	2	141	<0.5	0.40	3.7	0.50	<0.5	0.33	0.86	150	<1	18.8	2.4
OAKES-02 (1211602)	4.1	1	135	1.7	0.66	3.8	0.58	<0.5	0.40	0.89	167	1	24.8	2.7
OAKES-03 (1211603)	2.3	<1	92.1	<0.5	0.44	2.1	0.31	<0.5	0.33	0.61	99	<1	20.7	2.4

Analyte:	Zn	Zr
Unit:	ppm	ppm
Sample ID (AGAT ID) RDL:	5	0.5
HAW-01 (1211597)	80	101
HAW-02 (1211598)	140	107
HAW-03 (1211599)	694	44.0
HAW-04 (1211600)	61	93.0
OAKES-01 (1211601)	100	163
OAKES-02 (1211602)	83	190
OAKES-03 (1211603)	67	106

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 20T615460

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Fregman Smith

Sieving - % Passing (Crushing)

DATE SAMPLED: Jun 18, 2020 | DATE RECEIVED: Jun 19, 2020 | DATE REPORTED: Jul 07, 2020 | SAMPLE TYPE: Rock

	Analyte:	Pass %
	Unit:	%
Sample ID (AGAT ID)	RDL:	0.01
HAW-01 (1211597)		80.59

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 20T615460

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Fregman Smith

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 18, 2020 | DATE RECEIVED: Jun 19, 2020 | DATE REPORTED: Jul 07, 2020 | SAMPLE TYPE: Rock

	Analyte:	Pass %
	Unit:	%
Sample ID (AGAT ID)	RDL:	0.01
HAW-01 (1211597)		89.19

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Quality Assurance - Replicate

AGAT WORK ORDER: 20T615460

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Fregman Smith

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

	REPLICATE #1				REPLICATE #2											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	1211597	< 1	< 1	0.0%	1211603	< 1	< 1	0.0%								
Al	1211597	7.37	7.25	1.6%	1211603	5.20	5.54	6.3%								
As	1211597	< 5	< 5	0.0%	1211603	< 5	< 5	0.0%								
B	1211597	< 20	< 20	0.0%	1211603	47	53	12.0%								
Ba	1211597	444	440	0.9%	1211603	15.4	14.6	5.3%								
Be	1211597	< 5	< 5	0.0%	1211603	< 5	< 5	0.0%								
Bi	1211597	1.08	0.93	14.9%	1211603	3.24	3.14	3.1%								
Ca	1211597	2.03	2.02	0.5%	1211603	6.33	6.79	7.0%								
Cd	1211597	0.4	0.4	0.0%	1211603	< 0.2	< 0.2	0.0%								
Ce	1211597	26.2	26.1	0.4%	1211603	23.7	23.1	2.6%								
Co	1211597	4.5	4.3	4.5%	1211603	23.7	24.2	2.1%								
Cr	1211597	0.022	0.020	9.5%	1211603	0.020	0.020	0.0%								
Cs	1211597	5.04	5.19	2.9%	1211603	0.4	0.4	0.0%								
Cu	1211597	46	46	0.0%	1211603	304	310	2.0%								
Dy	1211597	0.75	0.75	0.0%	1211603	2.97	2.96	0.3%								
Er	1211597	0.367	0.362	1.4%	1211603	2.27	2.11	7.3%								
Eu	1211597	0.51	0.47	8.2%	1211603	0.89	0.84	5.8%								
Fe	1211597	1.66	1.60	3.7%	1211603	21.1	21.1	0.0%								
Ga	1211597	17.6	17.5	0.6%	1211603	12.5	12.8	2.4%								
Gd	1211597	1.27	1.14	10.8%	1211603	2.58	2.69	4.2%								
Ge	1211597	2	2	0.0%	1211603	1	1	0.0%								
Hf	1211597	3	3	0.0%	1211603	3	3	0.0%								
Ho	1211597	0.130	0.138	6.0%	1211603	0.699	0.694	0.7%								
In	1211597	< 0.2	< 0.2	0.0%	1211603	< 0.2	< 0.2	0.0%								
K	1211597	2.19	2.18	0.5%	1211603	0.28	0.26	7.4%								
La	1211597	11.8	11.8	0.0%	1211603	11.8	11.5	2.6%								
Li	1211597	20	24	18.2%	1211603	12	10	18.2%								
Lu	1211597	0.05	0.05	0.0%	1211603	0.37	0.36	2.7%								
Mg	1211597	0.448	0.423	5.7%	1211603	1.23	1.26	2.4%								
Mn	1211597	329	300	9.2%	1211603	6870	6830	0.6%								
Mo	1211597	4	4	0.0%	1211603	< 2	< 2	0.0%								

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CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Fregman Smith

Nb	1211597	4	5	22.2%	1211603	5	5	0.0%								
Nd	1211597	8.8	8.5	3.5%	1211603	10.6	10.1	4.8%								
Ni	1211597	12	9	28.6%	1211603	12	11	8.7%								
P	1211597	0.03	0.03	0.0%	1211603	0.06	0.06	0.0%								
Pb	1211597	7	6	15.4%	1211603	< 5	< 5	0.0%								
Pr	1211597	2.52	2.47	2.0%	1211603	2.78	2.69	3.3%								
Rb	1211597	63.3	62.1	1.9%	1211603	5.3	5.2	1.9%								
S	1211597	0.191	0.181	5.4%	1211603	2.73	2.77	1.5%								
Sb	1211597	< 0.1	< 0.1	0.0%	1211603	< 0.1	< 0.1	0.0%								
Sc	1211597	< 5	< 5	0.0%	1211603	14	15	6.9%								
Si	1211597	37.8	36.2	4.3%	1211603	19.5	20.8	6.5%								
Sm	1211597	1.5	1.5	0.0%	1211603	2.3	2.2	4.4%								
Sn	1211597	1	1	0.0%	1211603	< 1	< 1	0.0%								
Sr	1211597	194	192	1.0%	1211603	92.1	99.4	7.6%								
Ta	1211597	< 0.5	< 0.5	0.0%	1211603	< 0.5	1.0									
Tb	1211597	0.159	0.155	2.5%	1211603	0.44	0.42	4.7%								
Th	1211597	2.2	2.1	4.7%	1211603	2.1	2.1	0.0%								
Ti	1211597	0.15	0.15	0.0%	1211603	0.31	0.33	6.3%								
Tl	1211597	< 0.5	< 0.5	0.0%	1211603	< 0.5	< 0.5	0.0%								
Tm	1211597	0.06	0.06	0.0%	1211603	0.33	0.33	0.0%								
U	1211597	0.583	0.587	0.7%	1211603	0.608	0.590	3.0%								
V	1211597	28	28	0.0%	1211603	99	102	3.0%								
W	1211597	12	9	28.6%	1211603	< 1	< 1	0.0%								
Y	1211597	3.7	4.0	7.8%	1211603	20.7	20.9	1.0%								
Yb	1211597	0.4	0.4	0.0%	1211603	2.4	2.3	4.3%								
Zn	1211597	80	80	0.0%	1211603	67	64	4.6%								
Zr	1211597	101	93.0	8.2%	1211603	106	105	0.9%								

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 20T615460

PROJECT:

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Fregman Smith

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

	CRM #1 (ref.SY-4)															
Parameter	Expect	Actual	Recovery	Limits												
Al	10.95	11.19	102%	90% - 110%												
Ba	340	336	99%	90% - 110%												
Be	2.6	2.7	104%	90% - 110%												
Ca	5.72	5.96	104%	90% - 110%												
Ce	122	132	108%	90% - 110%												
Co	2.8	2.6	92%	90% - 110%												
Cs	1.5	1.6	109%	90% - 110%												
Dy	18.2	18.9	104%	90% - 110%												
Er	14.2	14.7	103%	90% - 110%												
Eu	2.0	1.97	98%	90% - 110%												
Fe	4.34	4.68	108%	90% - 110%												
Ga	35	35	101%	90% - 110%												
Gd	14	15	106%	90% - 110%												
Hf	10.6	11.4	107%	90% - 110%												
Ho	4.3	4.6	106%	90% - 110%												
K	1.37	1.4	102%	90% - 110%												
La	58	62	107%	90% - 110%												
Li	37	37	100%	90% - 110%												
Lu	2.1	2.2	105%	90% - 110%												
Mg	0.325	0.327	101%	90% - 110%												
Mn	836	880	105%	90% - 110%												
Nb	13	13	98%	90% - 110%												
Nd	57	57	100%	90% - 110%												
Ni	9	10	107%	90% - 110%												
Pb	10	10	99%	90% - 110%												
Pr	15.0	15.7	104%	90% - 110%												
Rb	55	53	95%	90% - 110%												
Si	23.3	25.4	109%	90% - 110%												
Sm	12.7	13.3	104%	90% - 110%												
Sn	7.1	7.1	100%	90% - 110%												
Sr	1191	1277	107%	90% - 110%												

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CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

ATTENTION TO: Fregman Smith

Ta	0.9	0.9	97%	90% - 110%												
Tb	2.6	2.6	100%	90% - 110%												
Th	1.4	1.3	93%	90% - 110%												
Ti	0.172	0.178	104%	90% - 110%												
Tm	2.3	2.3	101%	90% - 110%												
U	0.8	0.8	100%	90% - 110%												
V	8	7	87%	90% - 110%												
Y	119	115	96%	90% - 110%												
Yb	14.8	15.6	106%	90% - 110%												
Zn	93	91	98%	90% - 110%												
Zr	517	516	100%	90% - 110%												

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Method Summary

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC
AGAT WORK ORDER: 20T615460
PROJECT:
ATTENTION TO: Fregman Smith
SAMPLING SITE:
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Al	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
As	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
B	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Ba	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Be	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Bi	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ca	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Cd	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ce	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Co	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Cr	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Cs	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Cu	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Dy	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Er	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Eu	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Fe	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Ga	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Gd	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ge	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Hf	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ho	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
In	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
K	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
La	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Li	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES

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Method Summary

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

AGAT WORK ORDER: 20T615460

PROJECT:

ATTENTION TO: Fregman Smith

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Lu	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Mg	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Mn	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Mo	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Nb	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Nd	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ni	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
P	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Pb	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Pr	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Rb	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
S	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Sb	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Sc	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Si	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Sm	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Sn	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Sr	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Ta	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Tb	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Th	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ti	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Tl	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Tm	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
U	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
V	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
W	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Y	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS

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Method Summary

CLIENT NAME: RIVERSIDE RESOURCES (BC) INC

AGAT WORK ORDER: 20T615460

PROJECT:

ATTENTION TO: Fregman Smith

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Yb	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Zn	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Zr	MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP-MS
Pass %			BALANCE

CERTIFICATE OF ANALYSIS

AGAT WORK ORDER: 20T615460
PROJECT:
CLIENT NAME: RIVERSIDE RESOURCES (BC) INC
ATTENTION TO: Freeman Smith
DATE RECEIVED: Jun 19, 2020
DATE SAMPLED: Jun 18, 2020
DATE REPORTED: Jul 15, 2020

PACKAGE INFORMATION:

Work Sheet Name	Sample Ty	Package Name
X01	Rock	(200-) Sample Login Weight
X02	Rock	(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish
X03	Rock	(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)
X04	Rock	(202-564) Fire Assay - Au Ore Grade, Gravimetric finish (50g charge)
X05	Rock	Sieving - % Passing (Crushing)
X06	Rock	Sieving - % Passing (Pulverizing)

(200-) Sample Login Weight

Sample Id	Sample Description	Analyte:	Sample Login Weight
		Unit:	kg
		RDL:	0.01
1211597	HAW-01		3.58
1211598	HAW-02		4.112
1211599	HAW-03		2.452
1211600	HAW-04		3.018
1211601	OAKES-01		2.8274
1211602	OAKES-02		1.989
1211603	OAKES-03		3.565

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

		Analyte:	Ag	Al	As	B	Ba	Be	Bi
		Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Id	**Sample Description**	**RDL:**	**1**	**0.01**	**5**	**20**	**0.5**	**5**	**0.1**
1211597	HAW-01		<1	7.37	<5	<20	444	<5	1.1
1211598	HAW-02		<1	7.72	<5	<20	421	<5	1.4
1211599	HAW-03		23	4.54	<5	86	101	<5	9.2
1211600	HAW-04		<1	7.9	<5	<20	517	<5	2.6
1211601	OAKES-01		<1	7.86	<5	53	409	<5	0.9
1211602	OAKES-02		<1	9.2	<5	22	404	<5	1.1
1211603	OAKES-03		<1	5.2	<5	47	15.4	<5	3.2

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd
%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
0.05	**0.2**	**0.1**	**0.5**	**0.005**	**0.1**	**5**	**0.05**	**0.05**	**0.05**	**0.01**	**0.01**	**0.05**
2.03	0.4	26.2	4.5	0.022	5	46	0.75	0.37	0.51	1.66	17.6	1.27
1.62	1	26.5	4.5	0.025	1.8	90	0.92	0.43	0.51	1.87	17.8	1.49
2.27	4.2	5.5	29.8	0.033	2.9	262	1.94	1.41	0.81	6.78	8.5	1.65
1.45	0.5	24.2	4.8	0.022	1.4	65	0.81	0.4	0.43	1.76	19.4	1.36
2.83	<0.2	47.9	8.4	0.013	2.3	52	2.79	2.04	0.73	12.9	20.2	2.41
6.97	0.2	49.7	23.7	0.025	1.5	23	4.14	2.63	1.4	6.66	28.4	4.31
6.33	<0.2	23.7	23.7	0.02	0.4	304	2.97	2.27	0.89	21.1	12.5	2.58

Ge	Hf	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
1	**1**	**0.05**	**0.2**	**0.05**	**0.1**	**10**	**0.05**	**0.01**	**10**	**2**	**1**	**0.1**
2	3	0.13	<0.2	2.19	11.8	20	0.05	0.45	329	4	4	8.8
2	3	0.16	<0.2	2.2	13.2	32	0.07	0.49	350	<2	5	9.8
2	1	0.45	<0.2	1.09	2.1	18	0.22	0.92	601	<2	1	4.1
2	3	0.16	<0.2	2.18	11.2	40	0.07	0.48	348	3	4	8.6
1	4	0.67	<0.2	1.61	23.3	20	0.37	2.28	2850	<2	8	14.6
2	5	0.89	<0.2	0.92	25.1	22	0.4	1.92	1210	<2	10	20.2
1	3	0.7	<0.2	0.28	11.8	12	0.37	1.23	6870	<2	5	10.6

Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	Sm	Sn	Sr	Ta
ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
5	**0.01**	**5**	**0.05**	**0.2**	**0.01**	**0.1**	**5**	**0.01**	**0.1**	**1**	**0.1**	**0.5**
12	0.03	7	2.52	63.3	0.19	<0.1	<5	37.8	1.5	1	194	<0.5
9	0.03	13	2.81	62.3	0.36	<0.1	<5	37.6	1.6	1	210	<0.5
63	0.02	536	0.83	43.5	2.05	0.2	25	34.9	1.4	<1	42.6	<0.5
11	0.03	5	2.52	63.3	0.16	<0.1	<5	37.2	1.3	1	240	1.2
10	0.09	<5	4.92	64.7	0.6	<0.1	21	24.2	2.5	2	141	<0.5
24	0.11	5	5.49	33.9	0.09	<0.1	24	27.5	4.1	1	135	1.7
12	0.06	<5	2.78	5.3	2.73	<0.1	14	19.5	2.3	<1	92.1	<0.5

Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.05	**0.1**	**0.01**	**0.5**	**0.05**	**0.05**	**5**	**1**	**0.5**	**0.1**	**5**	**0.5**
0.16	2.2	0.15	<0.5	0.06	0.58	28	12	3.7	0.4	80	101
0.18	2.4	0.16	<0.5	0.07	0.6	28	10	4.1	0.5	140	107
0.28	0.2	0.45	<0.5	0.2	0.08	189	10	11	1.3	694	44
0.14	2.3	0.14	<0.5	0.06	0.6	29	7	4.2	0.4	61	93
0.4	3.7	0.5	<0.5	0.33	0.86	150	<1	18.8	2.4	100	163
0.66	3.8	0.58	<0.5	0.4	0.89	167	1	24.8	2.7	83	190
0.44	2.1	0.31	<0.5	0.33	0.61	99	<1	20.7	2.4	67	106

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

		Analyte:	Au
		Unit:	ppm
Sample Id	**Sample Description**	**RDL:**	**0.001**
1211597	HAW-01		0.192
1211598	HAW-02		0.489
1211599	HAW-03		>10
1211600	HAW-04		0.228
1211601	OAKES-01		0.073
1211602	OAKES-02		0.012
1211603	OAKES-03		2.54

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

(202-564) Fire Assay - Au Ore Grade, Gravimetric finish (50g charge)

		Analyte:	Au-Grav
		Unit:	g/t
Sample Id	**Sample Description**	**RDL:**	**0.5**
1211599	HAW-03		37.4

Comments: RDL - Reported Detection Limit
Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Sieving - % Passing (Crushing)

		Analyte:	Pass %
		Unit:	%
Sample Id	**Sample Description**	**RDL:**	**0.01**
1211597	HAW-01		80.59

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Sieving - % Passing (Pulverizing)

		Analyte:	Pass %
		Unit:	%
Sample Id	**Sample Description**	**RDL:**	**0.01**
1211597	HAW-01		89.19

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Parameter	Sample Id	Original	Rep #1	RPD	Method Blank	Result Value	Reference Material
(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish							
Ag	1211597	< 1	< 1	0.0%	< 1		
Al	1211597	7.37	7.25	1.6%	< 0.01	11.19	ref.SY-4
As	1211597	< 5	< 5	0.0%	< 5		
B	1211597	< 20	< 20	0.0%	< 20		
Ba	1211597	444	440	0.9%	< 0.5	336	ref.SY-4
Be	1211597	< 5	< 5	0.0%	< 5	2.7	ref.SY-4
Bi	1211597	1.08	0.93	14.9%	< 0.1		
Ca	1211597	2.03	2.02	0.5%	< 0.05	5.96	ref.SY-4
Cd	1211597	0.4	0.4	0.0%	< 0.2		
Ce	1211597	26.2	26.1	0.4%	< 0.1	132	ref.SY-4
Co	1211597	4.5	4.3	4.5%	< 0.5	2.6	ref.SY-4
Cr	1211597	0.022	0.020	9.5%	< 0.005		
Cs	1211597	5.04	5.19	2.9%	< 0.1	1.6	ref.SY-4
Cu	1211597	46	46	0.0%	< 5		
Dy	1211597	0.75	0.75	0.0%	< 0.05	18.9	ref.SY-4
Er	1211597	0.367	0.362	1.4%	< 0.05	14.7	ref.SY-4
Eu	1211597	0.51	0.47	8.2%	< 0.05	1.97	ref.SY-4
Fe	1211597	1.66	1.60	3.7%	< 0.01	4.68	ref.SY-4
Ga	1211597	17.6	17.5	0.6%	< 0.01	35	ref.SY-4
Gd	1211597	1.27	1.14	10.8%	< 0.05	15	ref.SY-4
Ge	1211597	2	2	0.0%	< 1		
Hf	1211597	3	3	0.0%	< 1	11.4	ref.SY-4
Ho	1211597	0.130	0.138	6.0%	< 0.05	4.6	ref.SY-4
In	1211597	< 0.2	< 0.2	0.0%	< 0.2		
K	1211597	2.19	2.18	0.5%	< 0.05	1.4	ref.SY-4
La	1211597	11.8	11.8	0.0%	< 0.1	62	ref.SY-4
Li	1211597	20	24	18.2%	< 10	37	ref.SY-4
Lu	1211597	0.05	0.05	0.0%	< 0.05	2.2	ref.SY-4
Mg	1211597	0.448	0.423	5.7%	< 0.01	0.327	ref.SY-4
Mn	1211597	329	300	9.2%	< 10	880	ref.SY-4
Mo	1211597	4	4	0.0%	< 2		
Nb	1211597	4	5	22.2%	< 1	13	ref.SY-4
Nd	1211597	8.8	8.5	3.5%	< 0.1	57	ref.SY-4

Ni	1211597	12	9	28.6%	< 5	10	ref.SY-4
P	1211597	0.03	0.03	0.0%	< 0.01		
Pb	1211597	7	6	15.4%	< 5	10	ref.SY-4
Pr	1211597	2.52	2.47	2.0%	< 0.05	15.7	ref.SY-4
Rb	1211597	63.3	62.1	1.9%	< 0.2	53	ref.SY-4
S	1211597	0.191	0.181	5.4%	< 0.01		
Sb	1211597	< 0.1	< 0.1	0.0%	< 0.1		
Sc	1211597	< 5	< 5	0.0%	< 5		
Si	1211597	37.8	36.2	4.3%	< 0.01	25.4	ref.SY-4
Sm	1211597	1.5	1.5	0.0%	< 0.1	13.3	ref.SY-4
Sn	1211597	1	1	0.0%	< 1	7.1	ref.SY-4
Sr	1211597	194	192	1.0%	< 0.1	1277	ref.SY-4
Ta	1211597	< 0.5	< 0.5	0.0%	< 0.5	0.9	ref.SY-4
Tb	1211597	0.159	0.155	2.5%	< 0.05	2.6	ref.SY-4
Th	1211597	2.2	2.1	4.7%	< 0.1	1.3	ref.SY-4
Ti	1211597	0.15	0.15	0.0%	< 0.01	0.178	ref.SY-4
Tl	1211597	< 0.5	< 0.5	0.0%	< 0.5		
Tm	1211597	0.06	0.06	0.0%	< 0.05	2.3	ref.SY-4
U	1211597	0.583	0.587	0.7%	< 0.05	0.8	ref.SY-4
V	1211597	28	28	0.0%	< 5	7	ref.SY-4
W	1211597	12	9	28.6%	< 1		
Y	1211597	3.7	4.0	7.8%	< 0.5	115	ref.SY-4
Yb	1211597	0.4	0.4	0.0%	< 0.1	15.6	ref.SY-4
Zn	1211597	80	80	0.0%	< 5	91	ref.SY-4
Zr	1211597	101	93.0	8.2%	< 0.5	516	ref.SY-4
(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish							
Ag	1211603	< 1	< 1	0.0%	< 1		
Al	1211603	5.20	5.54	6.3%	< 0.01		
As	1211603	< 5	< 5	0.0%	< 5		
B	1211603	47	53	12.0%	< 20		
Ba	1211603	15.4	14.6	5.3%	< 0.5		
Be	1211603	< 5	< 5	0.0%	< 5		
Bi	1211603	3.24	3.14	3.1%	< 0.1		
Ca	1211603	6.33	6.79	7.0%	< 0.05		
Cd	1211603	< 0.2	< 0.2	0.0%	< 0.2		
Ce	1211603	23.7	23.1	2.6%	< 0.1		

Co	1211603	23.7	24.2	2.1%	< 0.5
Cr	1211603	0.020	0.020	0.0%	< 0.005
Cs	1211603	0.4	0.4	0.0%	< 0.1
Cu	1211603	304	310	2.0%	< 5
Dy	1211603	2.97	2.96	0.3%	< 0.05
Er	1211603	2.27	2.11	7.3%	< 0.05
Eu	1211603	0.89	0.84	5.8%	< 0.05
Fe	1211603	21.1	21.1	0.0%	< 0.01
Ga	1211603	12.5	12.8	2.4%	< 0.01
Gd	1211603	2.58	2.69	4.2%	< 0.05
Ge	1211603	1	1	0.0%	< 1
Hf	1211603	3	3	0.0%	< 1
Ho	1211603	0.699	0.694	0.7%	< 0.05
In	1211603	< 0.2	< 0.2	0.0%	< 0.2
K	1211603	0.28	0.26	7.4%	< 0.05
La	1211603	11.8	11.5	2.6%	< 0.1
Li	1211603	12	10	18.2%	< 10
Lu	1211603	0.37	0.36	2.7%	< 0.05
Mg	1211603	1.23	1.26	2.4%	< 0.01
Mn	1211603	6870	6830	0.6%	< 10
Mo	1211603	< 2	< 2	0.0%	< 2
Nb	1211603	5	5	0.0%	< 1
Nd	1211603	10.6	10.1	4.8%	< 0.1
Ni	1211603	12	11	8.7%	< 5
P	1211603	0.06	0.06	0.0%	< 0.01
Pb	1211603	< 5	< 5	0.0%	< 5
Pr	1211603	2.78	2.69	3.3%	< 0.05
Rb	1211603	5.3	5.2	1.9%	< 0.2
S	1211603	2.73	2.77	1.5%	< 0.01
Sb	1211603	< 0.1	< 0.1	0.0%	< 0.1
Sc	1211603	14	15	6.9%	< 5
Si	1211603	19.5	20.8	6.5%	< 0.01
Sm	1211603	2.3	2.2	4.4%	< 0.1
Sn	1211603	< 1	< 1	0.0%	< 1
Sr	1211603	92.1	99.4	7.6%	< 0.1
Ta	1211603	< 0.5	1.0		< 0.5
Tb	1211603	0.44	0.42	4.7%	< 0.05

Th	1211603	2.1	2.1	0.0%	< 0.1		
Ti	1211603	0.31	0.33	6.3%	< 0.01		
Tl	1211603	< 0.5	< 0.5	0.0%	< 0.5		
Tm	1211603	0.33	0.33	0.0%	< 0.05		
U	1211603	0.608	0.590	3.0%	< 0.05		
V	1211603	99	102	3.0%	< 5		
W	1211603	< 1	< 1	0.0%	< 1		
Y	1211603	20.7	20.9	1.0%	< 0.5		
Yb	1211603	2.4	2.3	4.3%	< 0.1		
Zn	1211603	67	64	4.6%	< 5		
Zr	1211603	106	105	0.9%	< 0.5		
(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)							
Au	1211597	0.192	0.130		< 0.001	6.91	ref.GS6F
(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)							
Au	1211603	2.54	2.53	0.4%	< 0.001		
(202-564) Fire Assay - Au Ore Grade, Gravimetric finish (50g charge)							
Au-Grav	1211599	37.4	46.0	20.6%	< 0.5	6.82	

Nominal	Recovery	Lower Limit	Upper Limit
		90%	110%
10.95	102%	90%	110%
		90%	110%
		90%	110%
340	99%	90%	110%
2.6	104%	90%	110%
		90%	110%
5.72	104%	90%	110%
		90%	110%
122	108%	90%	110%
2.8	92%	90%	110%
		90%	110%
1.5	109%	90%	110%
		90%	110%
18.2	104%	90%	110%
14.2	103%	90%	110%
2.0	98%	90%	110%
4.34	108%	90%	110%
35	101%	90%	110%
14	106%	90%	110%
		90%	110%
10.6	107%	90%	110%
4.3	106%	90%	110%
		90%	110%
1.37	102%	90%	110%
58	107%	90%	110%
37	100%	90%	110%
2.1	105%	90%	110%
0.325	101%	90%	110%
836	105%	90%	110%
		90%	110%
13	98%	90%	110%
57	100%	90%	110%

9	107%	90%	110%
		90%	110%
10	99%	90%	110%
15.0	104%	90%	110%
55	95%	90%	110%
		90%	110%
		90%	110%
		90%	110%
23.3	109%	90%	110%
12.7	104%	90%	110%
7.1	100%	90%	110%
1191	107%	90%	110%
0.9	97%	90%	110%
2.6	100%	90%	110%
1.4	93%	90%	110%
0.172	104%	90%	110%
		90%	110%
2.3	101%	90%	110%
0.8	100%	90%	110%
8	**87%**	90%	110%
		90%	110%
119	96%	90%	110%
14.8	106%	90%	110%
93	98%	90%	110%
517	100%	90%	110%
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6.87	101%	90%	110%
		90%	110%
6.79	100%	95%	105%

CERTIFICATE OF ANALYSIS

AGAT WORK ORDER: 20T615460
PROJECT:
CLIENT NAME: RIVERSIDE RESOURCES (BC) INC
ATTENTION TO: Fregman Smith
DATE RECEIVED: Jun 19, 2020
DATE SAMPLED: Jun 18, 2020
DATE REPORTED: Jul 07, 2020

PACKAGE INFORMATION:

Work Sheet Name	Sample Ty	Package Name
X01	Rock	(200-) Sample Login Weight
X02	Rock	(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish
X03	Rock	Sieving - % Passing (Crushing)
X04	Rock	Sieving - % Passing (Pulverizing)

(200-) Sample Login Weight

Sample Id	Sample Description	Analyte:	Sample Login Weight
		Unit:	kg
		RDL:	0.01
1211597	HAW-01		3.58
1211598	HAW-02		4.112
1211599	HAW-03		2.452
1211600	HAW-04		3.018
1211601	OAKES-01		2.8274
1211602	OAKES-02		1.989
1211603	OAKES-03		3.565

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

		Analyte:	Ag	Al	As	B	Ba	Be	Bi
		Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Id	**Sample Description**	**RDL:**	**1**	**0.01**	**5**	**20**	**0.5**	**5**	**0.1**
1211597	HAW-01		<1	7.37	<5	<20	444	<5	1.1
1211598	HAW-02		<1	7.72	<5	<20	421	<5	1.4
1211599	HAW-03		23	4.54	<5	86	101	<5	9.2
1211600	HAW-04		<1	7.9	<5	<20	517	<5	2.6
1211601	OAKES-01		<1	7.86	<5	53	409	<5	0.9
1211602	OAKES-02		<1	9.2	<5	22	404	<5	1.1
1211603	OAKES-03		<1	5.2	<5	47	15.4	<5	3.2

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd
%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
0.05	**0.2**	**0.1**	**0.5**	**0.005**	**0.1**	**5**	**0.05**	**0.05**	**0.05**	**0.01**	**0.01**	**0.05**
2.03	0.4	26.2	4.5	0.022	5	46	0.75	0.37	0.51	1.66	17.6	1.27
1.62	1	26.5	4.5	0.025	1.8	90	0.92	0.43	0.51	1.87	17.8	1.49
2.27	4.2	5.5	29.8	0.033	2.9	262	1.94	1.41	0.81	6.78	8.5	1.65
1.45	0.5	24.2	4.8	0.022	1.4	65	0.81	0.4	0.43	1.76	19.4	1.36
2.83	<0.2	47.9	8.4	0.013	2.3	52	2.79	2.04	0.73	12.9	20.2	2.41
6.97	0.2	49.7	23.7	0.025	1.5	23	4.14	2.63	1.4	6.66	28.4	4.31
6.33	<0.2	23.7	23.7	0.02	0.4	304	2.97	2.27	0.89	21.1	12.5	2.58

Ge	Hf	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
1	**1**	**0.05**	**0.2**	**0.05**	**0.1**	**10**	**0.05**	**0.01**	**10**	**2**	**1**	**0.1**
2	3	0.13	<0.2	2.19	11.8	20	0.05	0.45	329	4	4	8.8
2	3	0.16	<0.2	2.2	13.2	32	0.07	0.49	350	<2	5	9.8
2	1	0.45	<0.2	1.09	2.1	18	0.22	0.92	601	<2	1	4.1
2	3	0.16	<0.2	2.18	11.2	40	0.07	0.48	348	3	4	8.6
1	4	0.67	<0.2	1.61	23.3	20	0.37	2.28	2850	<2	8	14.6
2	5	0.89	<0.2	0.92	25.1	22	0.4	1.92	1210	<2	10	20.2
1	3	0.7	<0.2	0.28	11.8	12	0.37	1.23	6870	<2	5	10.6

Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	Sm	Sn	Sr	Ta
ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
5	**0.01**	**5**	**0.05**	**0.2**	**0.01**	**0.1**	**5**	**0.01**	**0.1**	**1**	**0.1**	**0.5**
12	0.03	7	2.52	63.3	0.19	<0.1	<5	37.8	1.5	1	194	<0.5
9	0.03	13	2.81	62.3	0.36	<0.1	<5	37.6	1.6	1	210	<0.5
63	0.02	536	0.83	43.5	2.05	0.2	25	34.9	1.4	<1	42.6	<0.5
11	0.03	5	2.52	63.3	0.16	<0.1	<5	37.2	1.3	1	240	1.2
10	0.09	<5	4.92	64.7	0.6	<0.1	21	24.2	2.5	2	141	<0.5
24	0.11	5	5.49	33.9	0.09	<0.1	24	27.5	4.1	1	135	1.7
12	0.06	<5	2.78	5.3	2.73	<0.1	14	19.5	2.3	<1	92.1	<0.5

Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.05	**0.1**	**0.01**	**0.5**	**0.05**	**0.05**	**5**	**1**	**0.5**	**0.1**	**5**	**0.5**
0.16	2.2	0.15	<0.5	0.06	0.58	28	12	3.7	0.4	80	101
0.18	2.4	0.16	<0.5	0.07	0.6	28	10	4.1	0.5	140	107
0.28	0.2	0.45	<0.5	0.2	0.08	189	10	11	1.3	694	44
0.14	2.3	0.14	<0.5	0.06	0.6	29	7	4.2	0.4	61	93
0.4	3.7	0.5	<0.5	0.33	0.86	150	<1	18.8	2.4	100	163
0.66	3.8	0.58	<0.5	0.4	0.89	167	1	24.8	2.7	83	190
0.44	2.1	0.31	<0.5	0.33	0.61	99	<1	20.7	2.4	67	106

Sieving - % Passing (Crushing)

		Analyte:	Pass %
		Unit:	%
Sample Id	**Sample Description**	**RDL:**	**0.01**
1211597	HAW-01		80.59

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Sieving - % Passing (Pulverizing)

		Analyte:	Pass %
		Unit:	%
Sample Id	**Sample Description**	**RDL:**	**0.01**
1211597	HAW-01		89.19

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Parameter	Sample Id	Original	Rep #1	RPD	Method Blank	Result Value	Reference Material
(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish							
Ag	1211597	< 1	< 1	0.0%	< 1		
Al	1211597	7.37	7.25	1.6%	< 0.01	11.19	ref.SY-4
As	1211597	< 5	< 5	0.0%	< 5		
B	1211597	< 20	< 20	0.0%	< 20		
Ba	1211597	444	440	0.9%	< 0.5	336	ref.SY-4
Be	1211597	< 5	< 5	0.0%	< 5	2.7	ref.SY-4
Bi	1211597	1.08	0.93	14.9%	< 0.1		
Ca	1211597	2.03	2.02	0.5%	< 0.05	5.96	ref.SY-4
Cd	1211597	0.4	0.4	0.0%	< 0.2		
Ce	1211597	26.2	26.1	0.4%	< 0.1	132	ref.SY-4
Co	1211597	4.5	4.3	4.5%	< 0.5	2.6	ref.SY-4
Cr	1211597	0.022	0.020	9.5%	< 0.005		
Cs	1211597	5.04	5.19	2.9%	< 0.1	1.6	ref.SY-4
Cu	1211597	46	46	0.0%	< 5		
Dy	1211597	0.75	0.75	0.0%	< 0.05	18.9	ref.SY-4
Er	1211597	0.367	0.362	1.4%	< 0.05	14.7	ref.SY-4
Eu	1211597	0.51	0.47	8.2%	< 0.05	1.97	ref.SY-4
Fe	1211597	1.66	1.60	3.7%	< 0.01	4.68	ref.SY-4
Ga	1211597	17.6	17.5	0.6%	< 0.01	35	ref.SY-4
Gd	1211597	1.27	1.14	10.8%	< 0.05	15	ref.SY-4
Ge	1211597	2	2	0.0%	< 1		
Hf	1211597	3	3	0.0%	< 1	11.4	ref.SY-4
Ho	1211597	0.130	0.138	6.0%	< 0.05	4.6	ref.SY-4
In	1211597	< 0.2	< 0.2	0.0%	< 0.2		
K	1211597	2.19	2.18	0.5%	< 0.05	1.4	ref.SY-4
La	1211597	11.8	11.8	0.0%	< 0.1	62	ref.SY-4
Li	1211597	20	24	18.2%	< 10	37	ref.SY-4
Lu	1211597	0.05	0.05	0.0%	< 0.05	2.2	ref.SY-4
Mg	1211597	0.448	0.423	5.7%	< 0.01	0.327	ref.SY-4
Mn	1211597	329	300	9.2%	< 10	880	ref.SY-4
Mo	1211597	4	4	0.0%	< 2		
Nb	1211597	4	5	22.2%	< 1	13	ref.SY-4
Nd	1211597	8.8	8.5	3.5%	< 0.1	57	ref.SY-4

Ni	1211597	12	9	28.6%	< 5	10	ref.SY-4
P	1211597	0.03	0.03	0.0%	< 0.01		
Pb	1211597	7	6	15.4%	< 5	10	ref.SY-4
Pr	1211597	2.52	2.47	2.0%	< 0.05	15.7	ref.SY-4
Rb	1211597	63.3	62.1	1.9%	< 0.2	53	ref.SY-4
S	1211597	0.191	0.181	5.4%	< 0.01		
Sb	1211597	< 0.1	< 0.1	0.0%	< 0.1		
Sc	1211597	< 5	< 5	0.0%	< 5		
Si	1211597	37.8	36.2	4.3%	< 0.01	25.4	ref.SY-4
Sm	1211597	1.5	1.5	0.0%	< 0.1	13.3	ref.SY-4
Sn	1211597	1	1	0.0%	< 1	7.1	ref.SY-4
Sr	1211597	194	192	1.0%	< 0.1	1277	ref.SY-4
Ta	1211597	< 0.5	< 0.5	0.0%	< 0.5	0.9	ref.SY-4
Tb	1211597	0.159	0.155	2.5%	< 0.05	2.6	ref.SY-4
Th	1211597	2.2	2.1	4.7%	< 0.1	1.3	ref.SY-4
Ti	1211597	0.15	0.15	0.0%	< 0.01	0.178	ref.SY-4
Tl	1211597	< 0.5	< 0.5	0.0%	< 0.5		
Tm	1211597	0.06	0.06	0.0%	< 0.05	2.3	ref.SY-4
U	1211597	0.583	0.587	0.7%	< 0.05	0.8	ref.SY-4
V	1211597	28	28	0.0%	< 5	7	ref.SY-4
W	1211597	12	9	28.6%	< 1		
Y	1211597	3.7	4.0	7.8%	< 0.5	115	ref.SY-4
Yb	1211597	0.4	0.4	0.0%	< 0.1	15.6	ref.SY-4
Zn	1211597	80	80	0.0%	< 5	91	ref.SY-4
Zr	1211597	101	93.0	8.2%	< 0.5	516	ref.SY-4
(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish							
Ag	1211603	< 1	< 1	0.0%	< 1		
Al	1211603	5.20	5.54	6.3%	< 0.01		
As	1211603	< 5	< 5	0.0%	< 5		
B	1211603	47	53	12.0%	< 20		
Ba	1211603	15.4	14.6	5.3%	< 0.5		
Be	1211603	< 5	< 5	0.0%	< 5		
Bi	1211603	3.24	3.14	3.1%	< 0.1		
Ca	1211603	6.33	6.79	7.0%	< 0.05		
Cd	1211603	< 0.2	< 0.2	0.0%	< 0.2		
Ce	1211603	23.7	23.1	2.6%	< 0.1		

Co	1211603	23.7	24.2	2.1%	< 0.5
Cr	1211603	0.020	0.020	0.0%	< 0.005
Cs	1211603	0.4	0.4	0.0%	< 0.1
Cu	1211603	304	310	2.0%	< 5
Dy	1211603	2.97	2.96	0.3%	< 0.05
Er	1211603	2.27	2.11	7.3%	< 0.05
Eu	1211603	0.89	0.84	5.8%	< 0.05
Fe	1211603	21.1	21.1	0.0%	< 0.01
Ga	1211603	12.5	12.8	2.4%	< 0.01
Gd	1211603	2.58	2.69	4.2%	< 0.05
Ge	1211603	1	1	0.0%	< 1
Hf	1211603	3	3	0.0%	< 1
Ho	1211603	0.699	0.694	0.7%	< 0.05
In	1211603	< 0.2	< 0.2	0.0%	< 0.2
K	1211603	0.28	0.26	7.4%	< 0.05
La	1211603	11.8	11.5	2.6%	< 0.1
Li	1211603	12	10	18.2%	< 10
Lu	1211603	0.37	0.36	2.7%	< 0.05
Mg	1211603	1.23	1.26	2.4%	< 0.01
Mn	1211603	6870	6830	0.6%	< 10
Mo	1211603	< 2	< 2	0.0%	< 2
Nb	1211603	5	5	0.0%	< 1
Nd	1211603	10.6	10.1	4.8%	< 0.1
Ni	1211603	12	11	8.7%	< 5
P	1211603	0.06	0.06	0.0%	< 0.01
Pb	1211603	< 5	< 5	0.0%	< 5
Pr	1211603	2.78	2.69	3.3%	< 0.05
Rb	1211603	5.3	5.2	1.9%	< 0.2
S	1211603	2.73	2.77	1.5%	< 0.01
Sb	1211603	< 0.1	< 0.1	0.0%	< 0.1
Sc	1211603	14	15	6.9%	< 5
Si	1211603	19.5	20.8	6.5%	< 0.01
Sm	1211603	2.3	2.2	4.4%	< 0.1
Sn	1211603	< 1	< 1	0.0%	< 1
Sr	1211603	92.1	99.4	7.6%	< 0.1
Ta	1211603	< 0.5	1.0		< 0.5
Tb	1211603	0.44	0.42	4.7%	< 0.05

Th	1211603	2.1	2.1	0.0%	< 0.1
Ti	1211603	0.31	0.33	6.3%	< 0.01
Tl	1211603	< 0.5	< 0.5	0.0%	< 0.5
Tm	1211603	0.33	0.33	0.0%	< 0.05
U	1211603	0.608	0.590	3.0%	< 0.05
V	1211603	99	102	3.0%	< 5
W	1211603	< 1	< 1	0.0%	< 1
Y	1211603	20.7	20.9	1.0%	< 0.5
Yb	1211603	2.4	2.3	4.3%	< 0.1
Zn	1211603	67	64	4.6%	< 5
Zr	1211603	106	105	0.9%	< 0.5

Nominal	Recovery	Lower Limit	Upper Limit
		90%	110%
10.95	102%	90%	110%
		90%	110%
		90%	110%
340	99%	90%	110%
2.6	104%	90%	110%
		90%	110%
5.72	104%	90%	110%
		90%	110%
122	108%	90%	110%
2.8	92%	90%	110%
		90%	110%
1.5	109%	90%	110%
		90%	110%
18.2	104%	90%	110%
14.2	103%	90%	110%
2.0	98%	90%	110%
4.34	108%	90%	110%
35	101%	90%	110%
14	106%	90%	110%
		90%	110%
10.6	107%	90%	110%
4.3	106%	90%	110%
		90%	110%
1.37	102%	90%	110%
58	107%	90%	110%
37	100%	90%	110%
2.1	105%	90%	110%
0.325	101%	90%	110%
836	105%	90%	110%
		90%	110%
13	98%	90%	110%
57	100%	90%	110%

9	107%	90%	110%
		90%	110%
10	99%	90%	110%
15.0	104%	90%	110%
55	95%	90%	110%
		90%	110%
		90%	110%
		90%	110%
23.3	109%	90%	110%
12.7	104%	90%	110%
7.1	100%	90%	110%
1191	107%	90%	110%
0.9	97%	90%	110%
2.6	100%	90%	110%
1.4	93%	90%	110%
0.172	104%	90%	110%
		90%	110%
2.3	101%	90%	110%
0.8	100%	90%	110%
8	**87%**	90%	110%
		90%	110%
119	96%	90%	110%
14.8	106%	90%	110%
93	98%	90%	110%
517	100%	90%	110%
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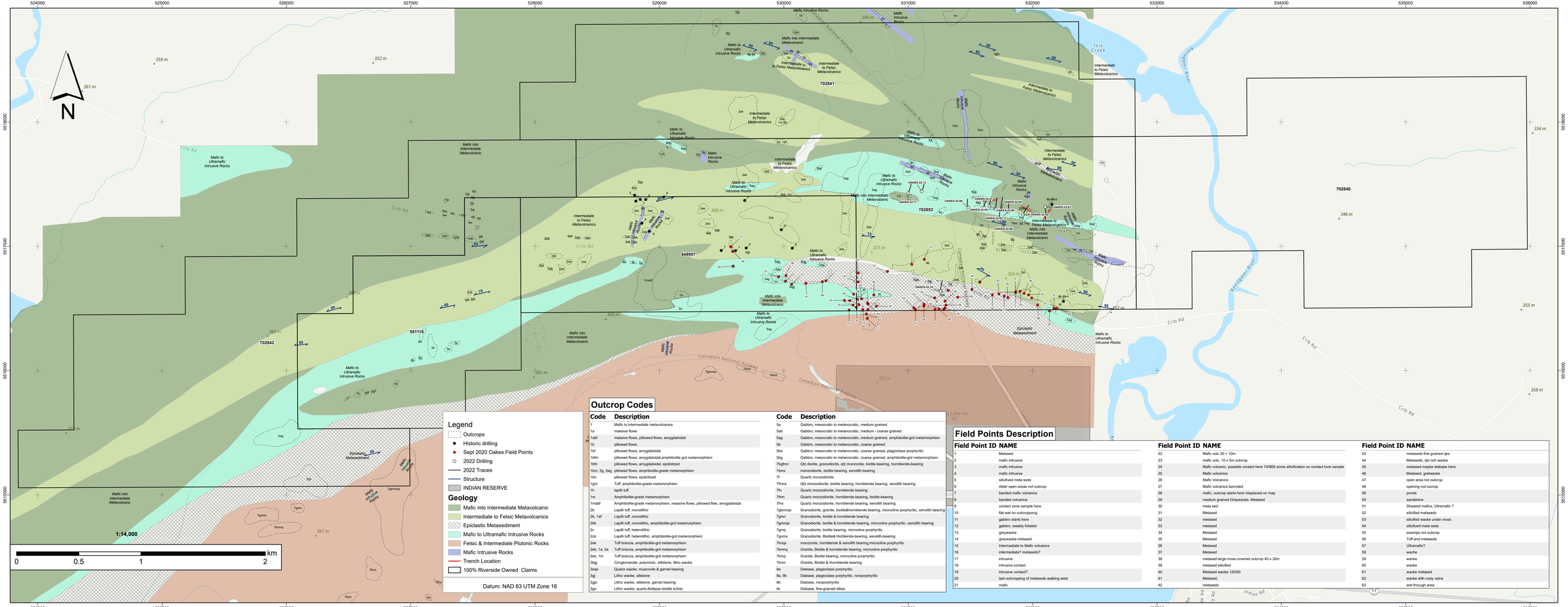

Legend

- Outcrops
- Historic drilling
- Sept 2020 Oakes Field Points
- 2022 Drilling
- 2022 Traces
- Structure
- INDIAN RESERVE

Geology

- Mafic into Intermediate Metavolcanic
- Intermediate to Felsic Metavolcanics
- Epiclastic Metasediment
- Mafic to Ultramafic Intrusive Rocks
- Felsic & Intermediate Plutonic Rocks
- Mafic Intrusive Rocks
- Trench Location
- 100% Riverside Owned Claims

Outcrop Codes

Code	Description
1	Mafic to intermediate metavolcanics
1a	massive flows
1abf	massive flows, pillowed flows, amygdaloidal
1b	pillowed flows
1bf	pillowed flows, amygdaloidal
1bfm	pillowed flows, amygdaloidal,amphibolite grd metamorphism
1bfn	pillowed flows, amygdaloidal, epidotized
1bm, 3g, 5ag	pillowed flows, amphibolite-grade metamorphism
1bn	pillowed flows, epidotized
1gm	Tuff, amphibolite-grade metamorphism
1h	lapilli tuff
1m	Amphibolite-grade metamorphism
1mabf	Amphibolite-grade metamorphism, massive flows, pillowed flws, amygdaloidal
2b	Lapilli tuff, monolithic
2b, 1af	Lapilli tuff, monolithic
2bk	Lapilli tuff, monolithic, amphibolite-grd metamorphism
2c	Lapilli tuff, heterolithic
2ck	Lapilli tuff, heterolithic, amphibolite-grd metamorphism
2ek	Tuff breccia, amphibolite-grd metamorphism
2ek, 1a, 5a	Tuff breccia, amphibolite-grd metamorphism
2ek, 1m	Tuff breccia, amphibolite-grd metamorphism
3bg	Conglomerate, polymictic, siltstone, lithic wacke
3eqs	Quartz wacke, muscovite & garnet bearing
3gl	Lithic wacke, siltstone
3gs	Lithic wacke, siltstone, garnet bearing
3gn	Lithic wacke, quartz-feldspar-biotite schist

Code	Description
5a	Gabbro, mesocratic to melanocratic, medium grained
5ab	Gabbro, mesocratic to melanocratic, medium - coarse grained
5ag	Gabbro, mesocratic to melanocratic, medium grained, amphibolite-grd metamorphism
5b	Gabbro, mesocratic to melanocratic, coarse grained
5be	Gabbro, mesocratic to melanocratic, coarse grained, plagioclase porphyritic
5bg	Gabbro, mesocratic to melanocratic, coarse grained, amphibolite-grd metamorphism
7bgfmn	Qtz diorite, granodioritie, qtz monzonite, biotite-bearing, hornblende-bearing
7emx	monzodiorite, biotite bearing, xenolith bearing
7f	Quartz monzodiorite
7fmnx	Qtz monzodiorite, biotite bearing, hornblende bearing, xenolith bearing
7fn	Quartz monzodiorite, hornblende bearing
7fnm	Quartz monzodiorite, hornblende-bearing, biotite-bearing
7fnx	Quartz monzodiorite, hornblende bearing, xenolith bearing
7gkmnqx	Granodiorite, granite, biotite&hornblende bearing, microcline porphyritic, xenolith bearing
7gmn	Granodiorite, biotite & hornblende bearing
7gmnqx	Granodiorite, biotite & hornblende bearing, microcline porphyritic, xenolith bearing
7gmq	Granodiorite, biotite bearing, microcline porphyritic
7gmnx	Granodiorite, Biotite& Horblende-bearing, xenolith-bearing
7hnqx	monzonite, hornblende & xenolith bearing,microcline porphyritic
7kmnq	Granite, Biotite & hornblende bearing, microcline porphyritic
7kmq	Granite, Biotite bearing, microcline porphyritic
7knm	Granite, Biotite & Hornblende bearing
9a	Diabase, plagioclase porphyritic
9a, 9b	Diabase, plagioclase porphyritic, nonporphyritic
9b	Diabase, nonporphyritic
9c	Diabase, fine-grained dikes

Field Points Description

Field Point ID	NAME
1	Metased
2	mafic intrusive
3	mafic intrusive
4	mafic intrusive
5	silicified meta seds
6	Alder open areas not outcrop
7	banded mafic volcanics
8	banded volcanics
9	contact zone sample here
10	flat wet no outcropping
11	gabbro starts here
12	gabbro, weakly foliated
13	greywacke
14	greywacke metased
15	Intermediate to Mafic volcanics
16	intermediate? metaseds?
17	intrusive
18	intrusive contact
19	intrusive contact?
20	last outcropping of metaseds walking west
21	mafic
22	Mafic volc 20 + 10m
23	mafic volc, 10 x 5m outcrop
24	Mafic volcanic, possible contact here 74/68S some silicification on contact took sample
25	Mafic volcanics
26	Mafic Volcanics
27	Mafic volcanics bannded
28	mafic, outcrop starts here misplaced on map
29	medium grained Greywacke, Metased
30	meta sed
31	Metased
32	metased
33	metased
34	Metased
35	Metased
36	Metased
37	Metased
38	metased large moss covered outcrop 40 x 30m
39	metased silicified
40	Metased wacke 120/90
41	Metased,
42	metaseds
43	metaseds fine grained qbs
44	Metaseds, qtz rich wacke
45	mwtased maybe diabase here
46	Metased, gretwacke
47	open area not outcrop
48	opening not oucrop
49	ponds
50	sandstone
51	Sheared mafics, Ultramafic ?
52	silicified metaseds
53	silicified wacke under moss
54	silicified meta seds
55	swamps not outcrop
56	Tuff and metaseds
57	Ultramafic?
58	wache
59	wacke
60	wacke
61	wacke metased
62	wacke with rusty veins
63	wet through area

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Canadian National Railway

702852

Oakes 2021-1 Oakes 2021-2

467955 467957 887179 887174 887107 887178 887106 Oakes Aug 2020-02 887009 887177 887175 887176 Oakes Aug 2020-01 467956 887105 887108 Oakes Aug 2020-03

887182 887007 887006 887003 467952 467954 467953 467951 887008 887005 887004

702840

Oakes 2021-3

360 m

548957

887011 887010 887012

Crib Rd

377 m

887164 887165 887163 887062 887063

Canadian National Railway

887014 887015 887104

887065 354 m

Crib Rd

887066 Oakes 2021-5

887180 887181 352 m

353 m

1:10,000

0 125 250 500 m

Canadian National Railway

Legend

100% Riverside Owned Claims

Rock Geochem Au (ppb)

- 5 - 100
- 101 - 500
- 501 - 1000
- 1001 - 45100

Datum: NAD 83 UTM Zone 16