

We are committed to providing [accessible customer service](#).
If you need accessible formats or communications supports, please [contact us](#).

Nous tenons à améliorer [l'accessibilité des services à la clientèle](#).
Si vous avez besoin de formats accessibles ou d'aide à la communication, veuillez [nous contacter](#).



Assessment Report on the 2016 Brookbank Prospecting Program

**Brookbank Project
Greenstone Gold Mines GP Inc.**

Beardmore Area, Thunder Bay Mining Division
Irwin Township
NTS Sheets 42 E/12

Prepared by:
Shannon Molloy G.I.T. – Lands Manager

Contents

Summary	3
Property Description, Access, Climate and Physiography.....	4
Land Tenure.....	6
Geological Setting.....	8
1.1 Regional Geology.....	8
1.2 Local Geology	10
1.3 Property Geology	14
Exploration History.....	16
2016 Prospecting Program.....	19
2.1 Brookbank Prospecting	19
2.2 Expenditures.....	21
2.3 Conclusions and Recommendations	23
References.....	28
Appendices	30
Figure 1 Property Location Map.....	5
Figure 2 Land tenure of the Brookbank claim block, including joint venture agreements.....	6
Figure 3 Regional Geology (from Blakely and Moreton, 2009)	9
Figure 4 Local Geology (from Blakely and Moreton, 2009)	11
Figure 5 Property Geology (from Blakely and Moreton, 2009).....	15
Figure 6 The areas of interest for prospecting. The known mineralized zones are on the map shown as the Brookbank Zone, Brookbank East, Metalore A Zone, Metalore B Zone, Metalore C Zone, Cherbourg (CB1 & 2).	19
Figure 7 Grab sample locations for both prospecting campaigns.....	20
Figure 8 Thematic map of Au values (in ppm) for the prospecting grab samples; eastern extent....	23
Figure 9 Thematic map of Au values (in ppm) for the prospecting grab samples; western extent...	24
Figure 10 Thematic map of Au values (in ppm) for the prospecting grab samples	25
Figure 11 Locations of the grab samples that returned gold values greater than 1 gpt.....	27
Table 1 Greenstone Gold Mines' claim holdings at the Brookbank Property.....	7
Table 2 Number of grab samples per claim (the total amount does not include the 2 QAQC blanks)	21
Table 3 Man days and cost for the Brookbank Prospecting.....	22
Table 4 Expenditures for the 2016 Brookbank prospecting program, including the total amount of money spent.....	22
Table 5 Grab samples that have gold values greater than 1 gpt.....	26

Summary

Two prospecting campaigns took place at the Brookbank property northeast of Beardmore, Ontario. Two prospectors contracted from Clark Exploration Consulting Inc., from Thunder Bay, Ontario, prospected the property from September 5th to September 12, 2016 and then another two prospectors came from September 25th to October 7th, 2016. The prospecting took place on 11 claims, all under the mining lease 109291.

The main objective of this program was to locate previous areas of trenching or pitting and to test gold mineralization potential in various litho-structural targets. A total of 208 grab samples were taken between the two prospecting campaigns. All samples were sent for gold fire assay and multielement ICP, to Act Labs in Geraldton, Ontario.

14 grab samples returned with gold values greater than 1 g/t. These samples were all mafic volcanic hosts with quartz veining. The highest gold value was 4.61 g/t and it was sampled from an old Metalore trench.

Property Description, Access, Climate and Physiography

The Brookbank property is located 15 kilometres' northeast of the town of Beardmore, Ontario in the municipality of Greenstone. The property is located within the townships of Irwin, Sandra, Walters, Leduc and Legault on NTS Map sheets 42E/11 and 42E/12 (Figure 1). All work referred to in this report was completed in Irwin Township.

The closest major city is Thunder Bay Ontario which is located approximately 180 kilometres southwest of the property. The city of Thunder Bay has a population of 109,000 and provides support services, equipment and skilled labour for both the mineral exploration and mining industry. Rail, national highway, port, and international airport services are also available out of Thunder Bay.

The land surrounding the property is Crown Land, with limited access that is used primarily for recreation. Seasonal cottages, situated on Windigokan Lake are located approximately seven kilometres west of the Brookbank Zone. The property can be directly accessed through Windigokan Lake Road, which runs off highway 11 just over 13 kilometres' northeast of Beardmore, Ontario. Windigokan Lake Road is a gravel road that must be plowed in the winter to access the property year-round.

The property is located within the Lake Nipigon Eco-region of the Boreal Shield Eco- zone. The climate is characterized by warm summers and cold, snowy winters. The temperature range for the winter months (November to March) is on average -40°C to 5°C, whereas in the summer months (June to September) the temperature range is on average 5°C to 30°C . Precipitation is variable from year to year, with the bulk of the yearly total occurring as showers and thunderstorms in the summer months. The area is snow covered for approximately 5 months of the year. Weather conditions rarely become severe in the area and exploration activities can persist throughout the year with the only weather-related issues pertain to heavy snowfall or spring breakup.

The topography of the property is characterized by rolling hills and east-west rocky ridges, with intervening swampy ground and lakes. Relief does exceed 100 metres in certain areas of the property; however, it is generally less than 10 metres.

The climate can be classified as humid continental and supports a wide range of vegetation. The dominant tree species in the area are typically of mixed forest including; balsam fir, black spruce, jack pine, and poplar. Ground cover consists of moss and lichen. Hummocky bedrock outcrops covered with this acidic moraine deposits, fluvial lacustrine silts, and sands dominate the landscape.

Drainage within the northern portion of the property is via the Namewaminikan River which eventually drains into Lake Nipigon to the west. The southern portion of the property drains south to the Blackwater River, which flows westerly.

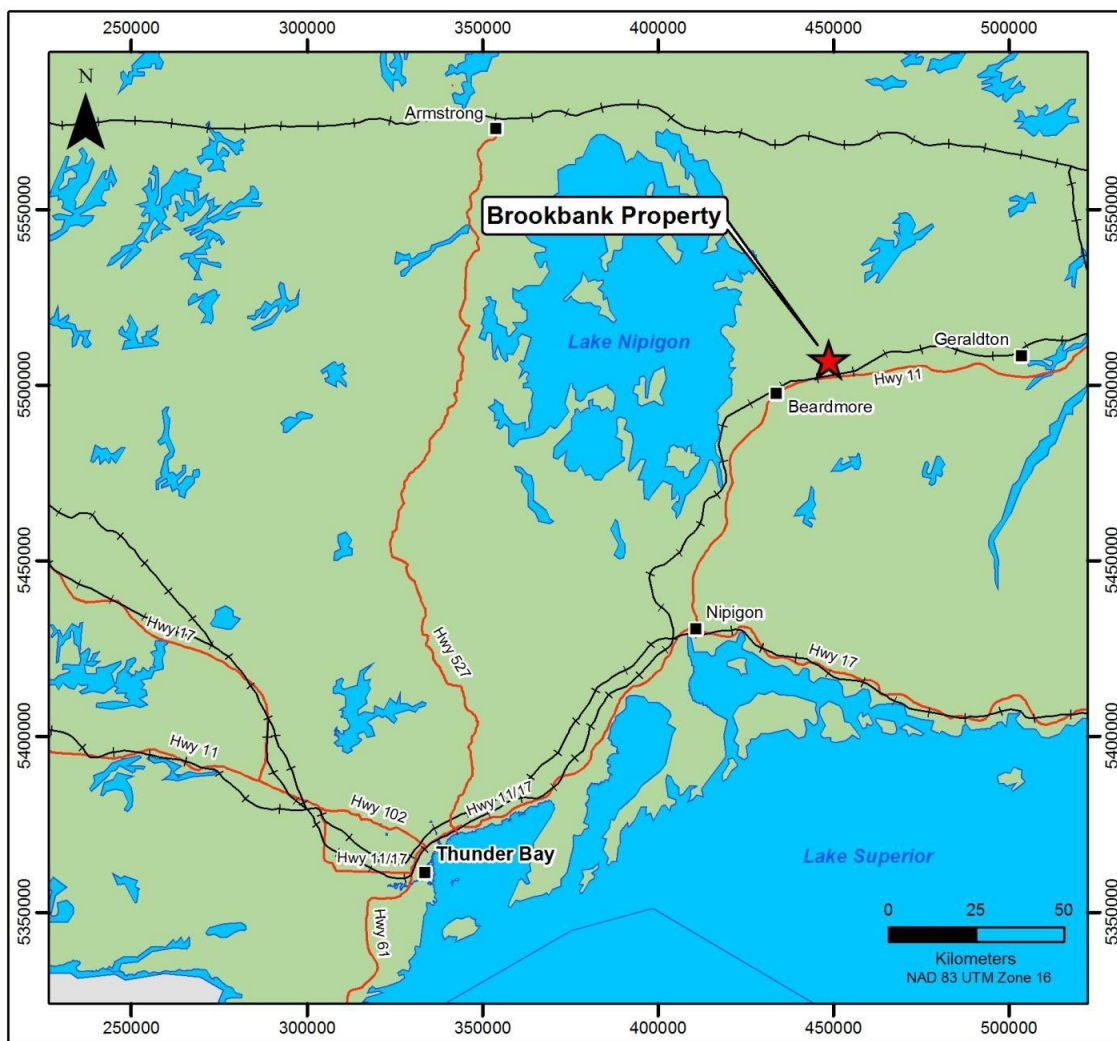


Figure 1 Property Location Map

Land Tenure

The Brookbank property consists of 613 unpatented mining claims and 77 mining leases totaling to 690 mining claims in the Thunder Bay Mining Division. The Brookbank property covers 15,847.89 ha which includes the Brookbank, Cherbourg and Foxear zones.

Greenstone Gold Mines (hereafter referred to as “the company”) wholly owns 18 leased mining claims and 5 unpatented mining claims. Two joint ventures with Metalore Resources make up the rest of the property. 240 mining claims are 74% owned by Greenstone Gold Mines and 26% owned by Metalore Resources. The second joint venture is 79% Greenstone Gold Mines and 21% Metalore which makes up 427 mining claims.

Claim details for the entire Brookbank property is given in Appendix A. Figure 2 shows the Brookbank claim block land tenure.

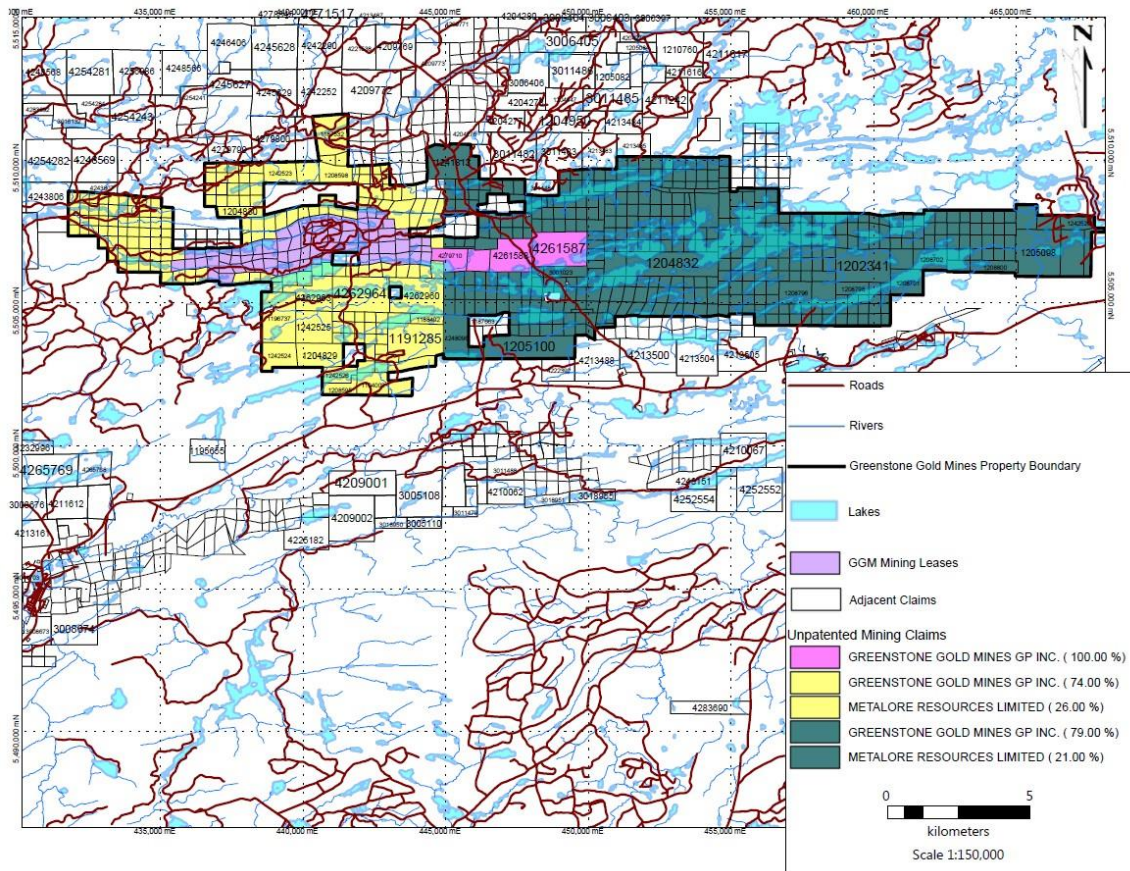


Figure 2 Land tenure of the Brookbank claim block, including joint venture agreements

The work detailed in this report was conducted on 11 leased claims at the Brookbank Property: TB29026, TB29028-TB29031, TB29033, TB29037-TB29041 (Exploration Permit: PR-16-10892; Exploration Plan: PL-16-10610). These claims are under the mining lease 109291. See table 1 for the leased mining claim information that the prospecting took place on.

Table 1 Greenstone Gold Mines' claim holdings at the Brookbank Property

Township	Claim Number	Claim Type	Lease	Recording Date	Claim Due Date	Holder	Mineral Rights	Surface Rights	Claim Units	Project	Status
Irwin	TB29026	Lease	109291	2012-Jun-01	2033-May-31	GGM 100%	YES	YES	367.823 hectares COLLECTIVELY	Brookbank	Active
Irwin	TB29028	Lease	109291	2012-Jun-01	2033-May-31	GGM 100%	YES	YES	367.823 hectares COLLECTIVELY	Brookbank	Active
Irwin	TB29029	Lease	109291	2012-Jun-01	2033-May-31	GGM 100%	YES	YES	367.823 hectares COLLECTIVELY	Brookbank	Active
Irwin	TB29030	Lease	109291	2012-Jun-01	2033-May-31	GGM 100%	YES	YES	367.823 hectares COLLECTIVELY	Brookbank	Active
Irwin	TB29031	Lease	109291	2012-Jun-01	2033-May-31	GGM 100%	YES	YES	367.823 hectares COLLECTIVELY	Brookbank	Active
Irwin	TB29033	Lease	109291	2012-Jun-01	2033-May-31	GGM 100%	YES	YES	367.823 hectares COLLECTIVELY	Brookbank	Active
Irwin	TB29037	Lease	109291	2012-Jun-01	2033-May-31	GGM 100%	YES	YES	367.823 hectares COLLECTIVELY	Brookbank	Active
Irwin	TB29038	Lease	109291	2012-Jun-01	2033-May-31	GGM 100%	YES	YES	367.823 hectares COLLECTIVELY	Brookbank	Active
Irwin	TB29039	Lease	109291	2012-Jun-01	2033-May-31	GGM 100%	YES	YES	367.823 hectares COLLECTIVELY	Brookbank	Active
Irwin	TB29040	Lease	109291	2012-Jun-01	2033-May-31	GGM 100%	YES	YES	367.823 hectares COLLECTIVELY	Brookbank	Active
Irwin	TB29041	Lease	109291	2012-Jun-01	2033-May-31	GGM 100%	YES	YES	367.823 hectares COLLECTIVELY	Brookbank	Active

Geological Setting

1.1 Regional Geology

The Brookbank deposit lies within the Beardmore-Geraldton Greenstone Belt (BGGB), which is an Archean metavolcanic-metasedimentary terrane. It lies at the boundary between the Quetico Subprovince and the eastern Wabigoon Subprovince, both being located within the Superior Province. The BGGB can be further sub-divided into east striking sub belts, all greenschist facies of metamorphic grade.

The overall structure of BGGB appears to be one of six stacked, imbricated, internally northward younging sheets which have been interpreted as the product of accretionary wedge tectonics. Large scale D1 thrusting occurred along the southern margin of the Wabigoon Subprovince in the Beardmore Geraldton area between 2696 Ma and 2691 Ma. A comprehensive D2 event (2692 Ma to 2686 Ma) steepened the beds to a near vertical position, forming large scale fold structures, resulting in what was to become the current structure of the belt (Smyk, M., Fralick, P., and Hart, T., 2005).

The following is taken verbatim from Blakely and Moreton (2009).

The Brookbank Project lies near the southern boundary of the east-trending, isoclinally folded Wabigoon Subprovince of the Superior Structural Province (Figure 3). The Wabigoon Subprovince (Wabigoon) is a 900 km long, 150 km wide, granite greenstone strip that consists of metamorphosed volcanic and subordinate sedimentary rocks, ranging in age from about 3 to 2.71 billion years old. These units are cut by *circa* 3 to 2.69-billion-year-old granitoid batholiths, gabbroic sills and stocks. The Wabigoon has been divided by Blackburn *et al.* (1991) into three regions, each with differing structural styles and proportions of the major units. The Brookbank Project is located within the eastern region of the Wabigoon where the geology largely consists of isolated greenstone septa surrounded by granitoid units. The Wabigoon has been subjected to at least two major structural events, the first of which is an early aggregation of supracrustal assemblages. The second deformation relates to the interaction of the Wabigoon with its neighbouring geology; this results in contrasting patterns between the interior and margins of the subprovince (Blackburn *et al.*, 1991).

The Wabigoon is bordered to the south by the Quetico Subprovince, a linear strip of dominantly metasedimentary rocks, with migmatitic and anatectic derivatives, that has a relatively consistent width of 70 km. It extends from Minnesota in the southwest, eastwards across Ontario for nearly 1,000 km. It consists predominantly of metamorphosed turbiditic wacke, largely derived from, and deposited during and after, the volcanic climax in the neighbouring Wawa, Wabigoon and Abitibi subprovinces, during the period from 2.70 to 2.69 billion years. The southern margin of the Wabigoon displays a linear structural grain manifested by repetitive volcanic and sedimentary sequences in which stratigraphic facing may be inward, outward or inconsistent. Major transcurrent faults occur at, and adjacent to, the southern margin of the Wabigoon, paralleling the structural grain. The subprovince boundaries are presently considered to be predominantly tectonic but in some places, may originally have been depositional (Williams, 1991).

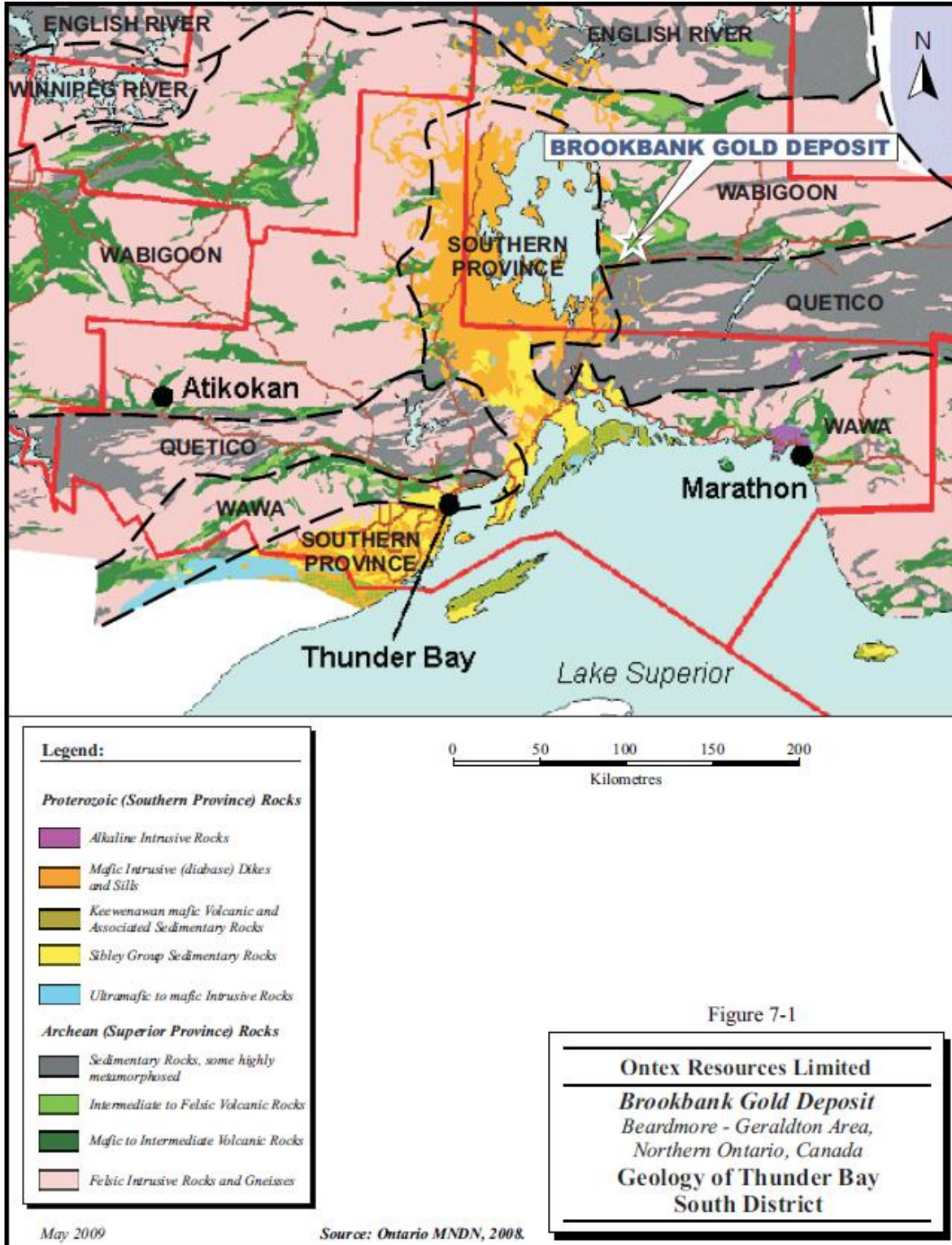


Figure 3 Regional Geology (from Blakely and Moreton, 2009)

1.2 Local Geology

The following is also taken verbatim from Blakely and Moreton (2009).

The Brookbank Project lies near the southern margin of the Beardmore-Geraldton greenstone belt (BGGB). The BGGB is a Neoproterozoic metavolcanic-metasedimentary terrane at the boundary of the eastern Wabigoon Subprovince and the Quetico Subprovince. The following description is taken from Smyk *et al.* (2005).

The BGGB can be subdivided into six east-striking sub-belts, all of greenschist facies metamorphic grade. These are the northern metasedimentary sub-belt (NMB), northern volcanic sub-belt (NVB), central metasedimentary sub-belt (CMB), central volcanic sub-belt (CVB), southern metasedimentary sub-belt (SMB) and the southern volcanic sub-belt (SVB) (Devaney and Williams, 1989; see also Figure 4).

Although these sub-belts are fault-bounded, current consensus suggests that they probably reflect an original sedimentary assemblage deposited on a cratonic margin in environments ranging from alluvial fan-braid plain in the NMB, through fan delta-braid delta in the CMB to a submarine fan/ramp in the SMB. Original continuity of this succession is supported by consistent stratigraphic trends and sedimentary structures that mostly young to the north. Isoclinal folds notwithstanding, the overall structure of the BGGB appears to be initially one of stacked, imbricate, internally northward-younging sheets which have been interpreted as the product of accretionary wedge tectonics.

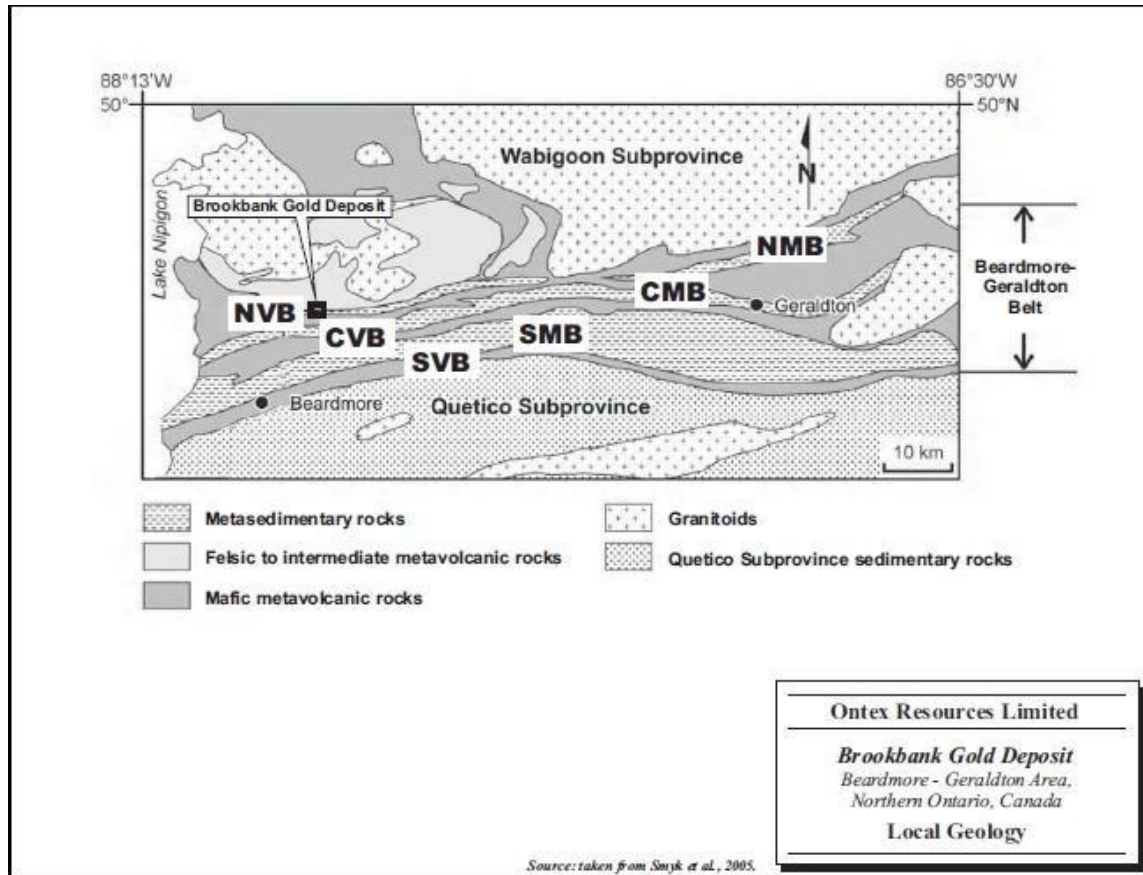


Figure 4 Local Geology (from Blakely and Moreton, 2009)

1.2.1 Igneous Rock

The following is taken verbatim from Blakely and Moreton (2009).

Mafic metavolcanic rocks of the SVB consist of massive and pillowed flows, with minor tuffs, lapilli tuffs and tuff breccias with associated interflow chert-magnetite iron formations. The CVB consists of intermediate massive and pillowed flows with significant tuffs, lapilli tuffs and tuff breccias and minor interflow chert-magnetite iron formation. The NVB is subdivided into the northern Bish Bay assemblage (BBA) and southern Poplar Point assemblage (PPA).

The BBA is composed of east striking mafic pillowed to massive flows and rare tuffs resembling the SVB. The PPA consists of northwest striking intermediate flows, tuff breccias and tuffs resembling the CVB, with subordinate mafic massive and pillowed flows.

A number of igneous rock types intrude the supracrustal rocks of the BGB. These include a series of mafic to ultramafic, synvolcanic rocks, intermediate to felsic synvolcanic rocks, mafic post-tectonic intrusions and diabase dykes. The synvolcanic gabbroic rocks form thin sills sub-parallel to the strike of the mafic metavolcanic rocks of the SVB and the BBA. A large composite intrusion within the BBA displays both gabbroic and peridotitic phases in its southern and northern parts, respectively. A series of intermediate to felsic dikes and sills, ranging from massive granodiorite to quartz-porphyritic, feldspar-porphyritic and feldspar-

quartz-porphyritic phases, occurs within the metavolcanic rocks of the PPA. These units appear to have been emplaced along the regional foliation, although some bodies are sub-horizontal in orientation. A feldspar-porphyritic granodiorite dike intrudes the mafic flows of the SVB and resembles the dikes of the PPA. Late, post-tectonic diorite sills predominantly occur within the metasedimentary and metavolcanic rocks along the contact between the SSB and CVB.

Additional intrusions located along the northern and southern contacts of the PPA are generally undeformed diorite sills that display chilled contacts with the metasedimentary rocks. A swarm of narrow, generally north-striking diabase dikes intrudes the supracrustal rocks and appears to be predominantly Paleoproterozoic in age. A series of Mesoproterozoic diabase sills of the Nipigon Sill Complex intrude all other supracrustal rocks of the BGGB.

1.2.2 Sedimentary Rock

The following is taken verbatim from Blakely and Moreton (2009).

The NMB, the northern (uppermost) third of the CMB, and the northernmost portion of the SMB are dominated by a conglomeratic assemblage with minor amounts of sandstone. The clast-supported conglomerates are poorly to moderately sorted, and almost always non-graded with a poorly to moderately sorted sand matrix. Bedding is defined by variations in average or maximum clast size between units, but it is commonly indistinct. Scouring is locally preserved, but most other primary features such as imbrication have been destroyed by deformation. Sandstones interbedded with the conglomerates commonly appear massive, but in some outcrops planar lamination and cross-stratification are present. They have different forms ranging from lenses in conglomeratic beds; thin, irregular sheets blanketing conglomeratic beds; wedges abutting conglomeratic beds; and thicker units separating conglomerate layers. Clast types in the conglomerates are almost exclusively igneous, representing a suite of rocks like those present in the Onaman-Tashota volcanic terrane to the north.

The turbiditic association of the SMB can be divided into a clastic association and a chemical association, the latter with a high proportion of oxide-facies, banded iron formation (BIF) layers. In the chemical association, clastic interbeds are generally less than several centimeters thick, and range in grain size from silt to coarse sand. Upward-thickening and upward-coarsening trends over several metres are locally present, as at Solomon's Pillars and the Leitch Mine near Beardmore. Within the overall upward trend, oscillations between silts, sands, and iron formation occur. Depending on the relations between these types of beds, four iron formation lithofacies associations (IFLA) can be defined.

Conglomerates contain mainly mafic to felsic volcanic and granitic clasts. Although flattened clasts indicate that IFLA outcrops are tectonically thinned, their associations are primary, with the conglomeratic units erosively cutting down into BIF- sandstone packages. Transitions between various IFLA types can be gradual or abrupt.

Some silt-sand successions containing iron formation exhibit intervals of thicker and well-graded clastic beds. They form structured sections up to several metres thick within successions that are otherwise generally disorganized.

Clastic units in the lower two thirds of the CMB and the SMB are divisible into three lithofacies associations: a thin-bedded, turbidite-dominated association (LA2); a medium bedded, turbidite-dominated association (LA3); and a thick-bedded association (LA4). LA2

consists mostly of graded, less than 10 cm thick siltstone and/or sandstone beds that are either unstructured or thin and fine upwards over one metre to three metres. LA3 is divisible into two types, LA3a and LA3b. LA3a consists of medium- to coarse-grained sandstones with sharp bottom and top contacts. Parallel lamination is present near the tops of some of the otherwise massive beds. These successions are unstructured. LA3b is similar to LA3a except these beds are organized into either upward-thickening or upward-thinning trends. Thick, poorly graded sandstones dominate LA4. The beds typically have a coarse sand or pebbly base, grading into a thick, poorly sorted, massive central area. They are often abruptly capped by thin, fine-grained sandstone. Irregular, erosional bases and scattered rip-up clasts are common.

Structured, upward-thinning and upward-fining sequences, metres to tens of metres thick, are present in the area south of Beardmore (Figure 3). The successions are topped by Bouma-style CDE and/or DE turbidites (where C is a cross-laminated sand unit, D is a parallel laminated silt unit and E is a mud layer). These are abruptly overlain by massive grain flows/high-density turbidites with internal inverse- to normal-graded, conglomeratic bands. Pebbles present in the conglomerates are mainly felsic igneous rocks (extrusive and intrusive), while rip-up clasts are not the expected mudstone or siltstone, but rather clay- and silt-rich, fine-grained sandstone. Load structures are ubiquitous throughout the area. Commonly, the base of one unit sags into the underlying beds. Locally, multiple internal loads are developed, usually in the B division (parallel laminated sands). These loads sag into the A division (sands and/or coarser-grains), in places extending into the underlying beds.

1.2.3 Structure

The following is taken verbatim from Blakely and Moreton (2009).

After deposition of the clastic succession, the area was subjected to thrust faulting, regional folding and dextral shearing. Thrust faulting imbricated the regional volcanic and sedimentary packages into thrust stacks (Devaney and Williams, 1989). This D1 thrusting may be associated with uncommon, early, F1 folds. The youngest detrital zircon recovered from the sedimentary units is 2690 +/- 2 Ma and this puts a maximum age on the thrusting event.

The D2 event is characterized by tight to isoclinal folds and a flattening strain fabric identified by transposed bedding and flattened clasts and/or pillows. A homoclinal, north younging sequence of regional extent developed at this time and it appears to represent the sheared-off southern limb of a larger syncline. D2 deformation also affects altered and gold-mineralized porphyry dykes in the syn-tectonic Croll Lake stock which has a UPb age-date of 2691+3/-2 Ma. An age of 2699±1 Ma for a gold-mineralized feldspar porphyry dyke at the Hardrock Mine and identical ages of 2690±1 Ma for two phases of the Croll Lake stock put constraints on the timing of major deformation and hydrothermal activity in the belt.

The final event, D3, occurred as regional transpression developed in the compressive framework of the area. Vertical bed orientations developed during D2 did not re-fold but rather were overprinted by a steeply dipping, regional cleavage. Partitioning of the strain, during east-west dextral shear, between less competent argillites and more competent sandstones and porphyries resulted in cleavage refraction near lithological contacts. The pervasive cleavage developed in the Paint Lake shear zone at this time shows a progressive rotation towards the orientation of the zone. This is in contrast to the Barton Bay Lithotectonic Zone (BBLZ) where the S2 fabric was reactivated to accommodate the D3 shear. Some folds were generated during

this interval but they tend to be smaller Z- folds, overprinting limbs of regional F2 folds. Shear zones active at this time were dextral with nearly horizontal displacements.

1.3 Property Geology

The Brookbank Property is in a dextral shear zone localized between the metasediments and metavolcanics. The ore zone is hosted in a steeply dipping shear zone at the contact between the footwall polymictic conglomerate and the hanging-wall calc-alkaline arc basalt (DeWolfe *et al.*, 2006).

During the early stages of shearing the basalt acted as a structural and chemical trap that localized brittle deformation, veining, and gold deposition (DeWolfe *et al.*, 2006). The mineralized zone is approximately 20 metres wide and extends from the sheared contact up into the meta-basalt. Auriferous quartz-carbonate veins occur in the mineralized zone along with a wide ankerite alternation zone. The mineralization itself is finely disseminated pyrite and arsenopyrite filling the folded and boudinaged quartz-carbonate veins and within the sheared meta-basalt host rock.

The following is taken from Thompson (2006).

The Brookbank property is underlain predominantly by east-west trending and steeply south to vertically dipping metavolcanic and metasedimentary rocks (Figure 5). Metavolcanic rocks consist of massive and pillowed, locally amygdaloidal, flows of basaltic composition along with related tuffaceous rocks. Pillowed flows exhibit tops to the north. They are locally intercalated with coarser-grained rocks of similar composition that have been interpreted as either intrusions or coarse-grained phases at the centre of thicker basaltic flows. The metavolcanic rocks are locally intruded by quartz-feldspar porphyritic dykes.

Mafic metavolcanic rocks are fault-bounded against domains of metasedimentary rocks. The northern domain consists of polymictic conglomerate with pebble- to boulder-sized, rounded to sub-rounded clasts in a feldspar-quartz-sericite matrix. Clasts consist of volcanic and intrusive rock types of various compositions, quartz pebbles and jasper, the latter suggesting affinity with Timiskaming Formation conglomerates in the Timmins (Porcupine) Mining District.

Metasedimentary domains south of Windigokan Lake also contain polymictic conglomerate as well as feldspathic and quartzose sandstone and wacke, siltstone, minor argillite and hematitic iron formation.

Felsic to intermediate pyroclastic rocks and flows occur in the north part of the property and are fault-bounded with mafic metavolcanic rocks across the Paint Lake Fault. They consist of tuff breccia, pyroclastic breccia and tuff, and massive to porphyritic rhyolite flows.

Intermediate to mafic intrusions cut the metavolcanic and metasedimentary rocks in the central part of the Brookbank property. They consist of quartz diorite, diorite and gabbro. North-trending, flat-lying, locally porphyritic diabase dykes of Keweenawan age cut the metavolcanic and metasedimentary rocks along the western boundary of the property in Sandra Township and along the western boundary of Irwin Township.

The Brookbank property is transected by an east-west trending zone of extensive heterogeneous brittle and ductile deformation and hydrothermal alteration and is referred to as the “Brookbank Shear Zone”. Deformation is locally more than one kilometer wide and consists of anastomosing bands of intense fissile shearing, quartz veining and fracturing with associated ductile deformation around domains of less deformed metavolcanic and metasedimentary rocks. The deformation can be traced for a minimum of ten kilometers along strike through Irwin Township and remains open in either direction.

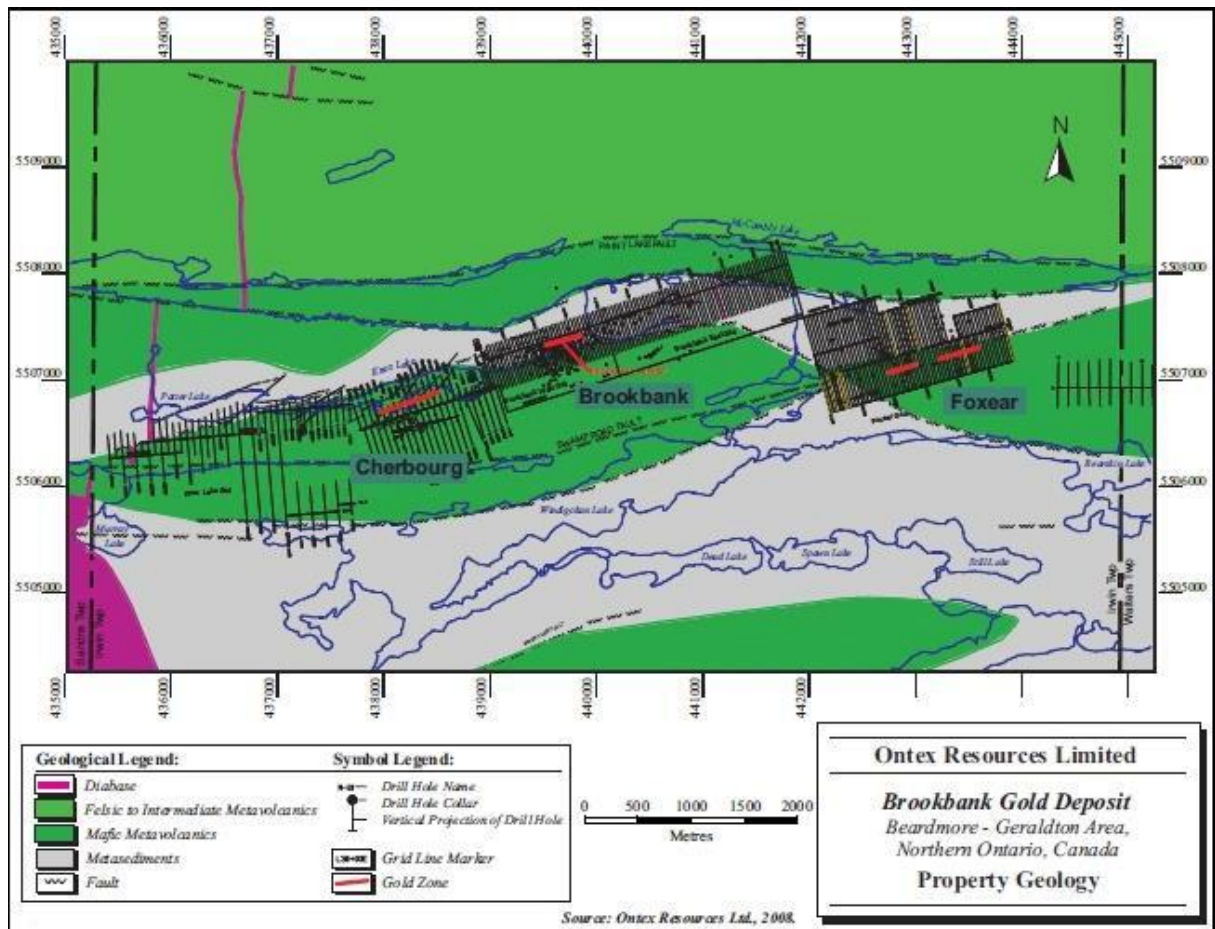


Figure 5 Property Geology (from Blakely and Moreton, 2009)

Exploration History

The following summary of exploration activities on the property is adapted from Thompson (2006) and is restricted to those leases and claims covering the Brookbank, Cherbourg and Foxear zones.

1934	Connell Mining and Exploration Co. Ltd's program of a total of 17 trenches, plus numerous test pits, exposed a rusty shear zone in mafic flows over a strike length of 396 m. Gold values from samples in this zone were low and erratic, and the results for the diamond drilling are not known. Work was suspended in late 1935.
1944	Noranda Exploration Company Limited (Noranda) completed detailed mapping, trenching and 1,860 m of X-ray diamond drilling in 40 holes to test the Brookbank Zone.
1950	Brookbank-Sturgeon Mines Limited (Brookbank-Sturgeon), a predecessor company to Ontex, acquired the claims covering the current property in 1950; however, there is no record of the work performed (if any) by Brookbank-Sturgeon.
1974-1975	Lynx Canada Explorations Limited (Lynx) completed geological mapping, ground magnetic surveys and diamond drilling over a portion of the property. Lynx carried out surface mapping and a magnetometer survey on the eastward extension of the Noranda showing. In the following year, Lynx completed six drill holes totaling 376 m to test a thin siliceous band along the metavolcanic-metasedimentary contact.
1981	Metalore optioned the property from Brookbank-Sturgeon and completed line-cutting followed by an electromagnetic (EM) survey over the entire grid and a very low frequency electromagnetic (VLF-EM) survey over selected portions of the property. Metalore subsequently drilled 30 holes totaling 3,567 m.
1982-1983	Metalore drilled three widely spaced holes totaling 330 m to test the metavolcanic-metasedimentary contact on the Brookbank West property and one 453 m hole on the Foxear property.
1984	Metalore completed an additional 62 drill holes totaling 6,946 m, including four wedges. Metalore commissioned a combined helicopter-borne magnetometer, gamma ray spectrometer and VLF survey over its holdings in Sandra, Irwin and Walters townships, including the Brookbank property.
1984-1985	Metalore drilled 23 holes, including 14 wedges, on the Brookbank Zone totaling 4,421 m, six holes on the Cherbourg Zone totaling 6,684 m, and 26 holes on the Foxear Zone totaling 2,202 m.
1986	Metalore concentrated on the Cherbourg Zone and completed 43 drill holes for a total of 4,368 m. On October 1, 1986, Metalore entered into an exploration and development agreement with Hudson Bay Mining and Smelting Co., Ltd. (Hudson Bay).
1987	Hudson Bay drilled 44 holes for a total of 11,203 m on Brookbank and 10 holes for a total of 2,777 m on Foxear. Mineralogical studies and

- preliminary metallurgical testing was completed on one mineralized sample and approximately 70 drill collars were located and surveyed.
- 1988 Metalore's agreement with Hudson Bay was terminated in 1988 because of an ownership dispute between Metalore and Ontex. In October 1998, Ontex acquired a release of Metalore's right to earn an interest in the Brookbank leases, subject to a 1% Net Smelter Royalty (NSR) due to Metalore upon production.
- 1989 Placer Dome Inc. (Placer) and Metalore signed an option agreement to which Ontex was not a party. From early August to late November of that year, Placer completed a program consisting of power stripping/trenching, detailed geological mapping, channel sampling, and diamond drilling. Placer exposed an area of about 650m by 15 m and took 215 channel samples totalling 244 linear metres. Detailed mapping was completed at an imperial scale of one inch to ten feet. During 1989, drilling at the Brookbank Zone consisted of 18 holes totalling 7,010 m to test the lateral and down-dip extensions to a vertical depth of 670 m. A Sperry Sun gyro- log system was used to confirm downhole deviations for 13 of the 1989 holes and 15 of the pre-existing holes. Additional Placer drilling at Cherbourg consisted of five holes totalling 1,437 m with a further two holes totalling 984 m drilled at Foxear. Placer dropped its option due to ongoing litigation between Ontex and Metalore.
- 1990-1996 The Brookbank property was the subject of Superior Court of Ontario litigation between Ontex and Metalore (Ontex Resources Ltd. v. Metalore Resources Ltd. (1990), 75 O.R. (2d) 513 (Gen. Div.), with an appeal allowed in part (1993) 13 O.R. (3d) 229, 103 D.L.R. (4th) 158, 12 B.L.R. (2d) 226 (C.A.)). Costs were subsequently awarded to Ontex ((1996), 45 C.P.C. (3d) 237 (Ont. Assmt. Officer)).
- 1993-1994 Metalore completed four holes totalling 533 m on the Brookbank Zone, fifteen holes totalling 2,107 m at Cherbourg and seven holes (including one wedge) totalling 3,323 m at Foxear. In 1994, reviews of the data by both Micon International Ltd. and J.R. Trussler & Associates, on behalf of Metalore, were positive and additional work was recommended by both companies. However, the ongoing litigation between Ontex and Metalore precluded work being done.
- 1998 Ontex and Metalore announced a settlement whereby Ontex acquired a release of Metalore's right to earn an interest in the Brookbank leases and Ontex took over as the operator of the Brookbank Deposit and all of the Metalore property in the area.
- 1999 Ontex drilled 35 diamond drill holes for a total of 11,299 m, of which 17 holes (including one wedge) totalling 4,730 m were drilled on the Brookbank Zone, 15 holes (including three wedges) totalling 5,724 m on the Cherbourg Zone, and three holes totaling 795 m on the Foxear Zone.
- 2000 Ontex drilled 58 holes for a total of 19,929 m of which 33 holes totaling 10,607 m were drilled on the Brookbank Zone (including eight wedges) and 25 holes totaling 9,322 m on the Foxear Zone. In the spring of 2000,

- Ontex undertook a GPS survey to accurately locate all drill hole collars and compiled all available diamond drill hole data in a single database.
- 2001 Ontex drilled nine holes (2,523 m) in the Cherbourg Zone and a further 12 holes in the Foxear Zone (4,530 m).
- 2002 Ontex drilled 28 holes for a total of 3,890 m in areas outside of the Brookbank, Cherbourg and Foxear Zones.
- 2006 Ontex drilled 14 holes for a total of 3,000 m.
- 2007 7 holes were drilled for a total of 1,208 m.
- 2008 Ontex drilled 18 holes on the Brookbank Zone (5,703 m in total) and nine holes on the Cherbourg deposit (3,823 m in total). No drilling was performed on Foxear. Six holes on Brookbank West were abandoned after less than 55 m was drilled although all six holes were restarted in a slightly different location. This drill metreage (193 m) is included in the Brookbank total. Major Drilling Group International, based in Moncton, New Brunswick (Major Drilling), drilled the first few holes of the 2008 campaign, while the balance was drilled by Chibougamau Diamond Drilling, based in Chibougamau, Quebec.
- 2009 48 hole drill program was completed on the property for Goldstone Resources Inc. A total of 19,633 metres were drilled and 1878 samples were taken. The program targeted the main Brookbank Deposit; a target in the volcanics located a few hundred metres to the east of the Brookbank, as well as the Brookbank East Showing (BBE). Results of the drill program were encouraging and warrant further drilling.
- 2012-2013 2 hole drill program was completed on the Brookbank project by Premier Gold Mines, totalling 1,393 metres. These holes were designed to target IP anomalies near the known gold deposit at Brookbank.

2016 Prospecting Program

2.1 Brookbank Prospecting

Two campaigns of prospecting were carried in September and October 2016 by prospectors contracted from Clark Exploration Consulting Inc. in Thunder Bay, Ontario. Each prospecting campaign was spent in the priority area south of the Brookbank Deposit and north of the Windigokan Lake and as far east as Windigokan Lake road (Figure 6).

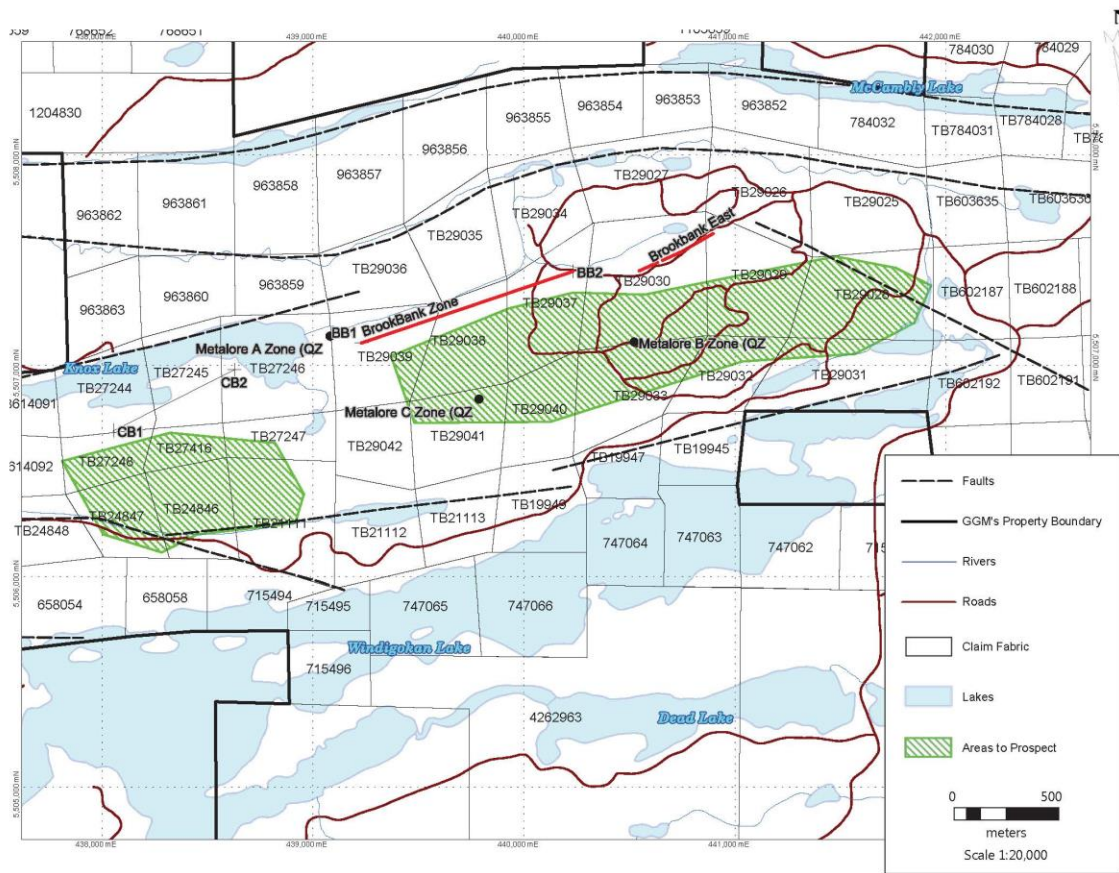


Figure 6 The areas of interest for prospecting. The known mineralized zones are on the map shown as the Brookbank Zone, Brookbank East, Metalore A Zone, Metalore B Zone, Metalore C Zone, Cherbourg (CB1 & 2).

The first campaign took place between September 5th, 2016 to September 12th, 2016, by M. Tremblay and M. Tremblay. 91 grab samples were collected during this first prospecting campaign. The second prospecting campaign was from September 25th, 2016 to October 7th, 2016, by R. Kovisto and J. Dumas. 117 grab samples were collected during this campaign, for a total of 208 samples over the two campaigns (Figure 7).

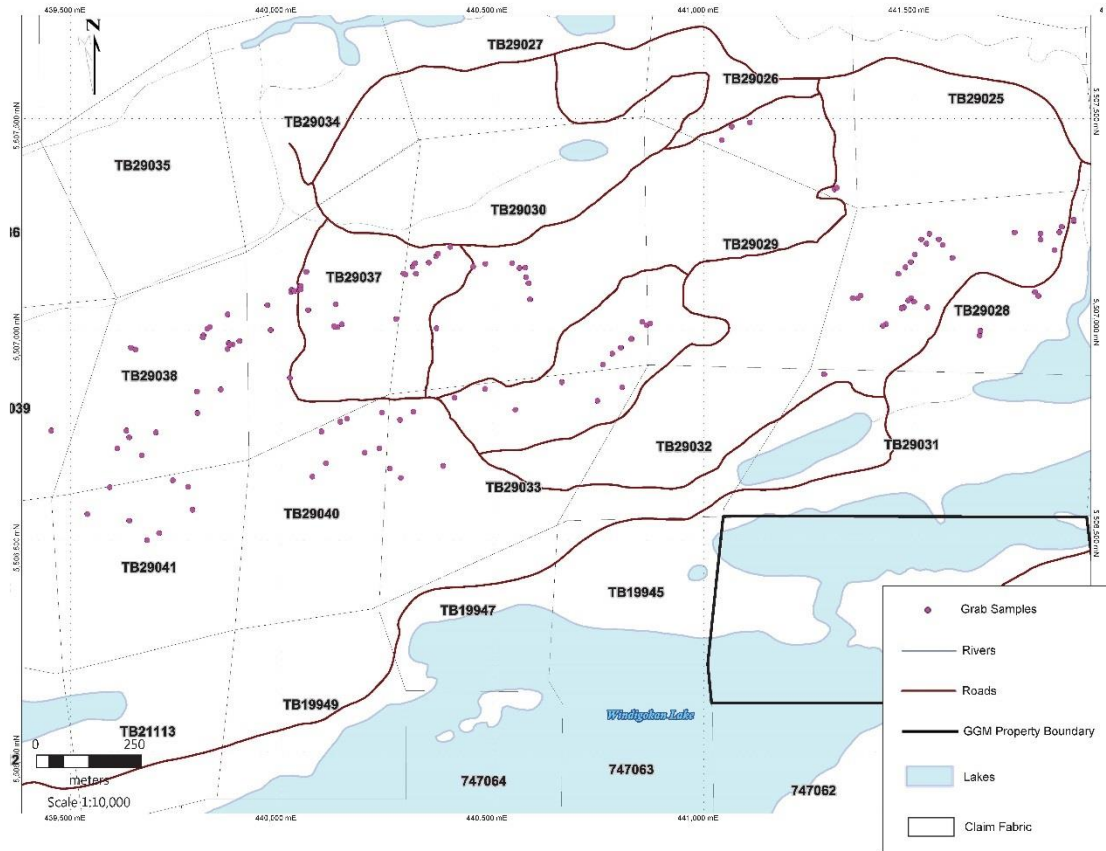


Figure 7 Grab sample locations for both prospecting campaigns.

The objective of this program was to locate previous areas of trenching or pitting. The area has extensive trail networks and the ground had been covered extensively on foot by previous workers, prior to Greenstone Gold Mines acquiring the property. Grab samples were collected to test gold mineralization potential in various litho-structural targets within the Brookbank property and to determine if the mineralization signature is like that observed in the soil and till data (historical soil and till sampling was completed as well as 3 campaigns completed on Brookbank in 2016). 208 grab samples were collected and submitted to Act Labs in Geraldton, Ontario.

2.1.1 Sample Preparation and Analysis

Grab samples were taken at areas of interest south of the Brookbank Deposit and north of Windigokan Lake. 208 grab samples were collected over the two prospecting campaigns, using rock hammers and chisels, and then placed into sample bags. Two QA/QC blanks were also submitted (samples 276050 and 276100). A total of 210 samples that were submitted to Activation Laboratories, located in Geraldton, Ontario.

A Fire Assay Fusion with an Atomic Absorption finish method (Code: 1A2-50) was chosen for the gold assay. For samples that had a gold value that exceeded the upper limit (5000 ppb), reanalysis by Fire Assay-Gravimetric (Code: 1A3) was done. “Near-Total” Digestion ICP/MS (Code 1EX_MA200) was chosen for the trace element geochemistry because it is the broadest package

with the lowest detection limits. Refer to Appendix E for the assay certificates.

For the grab samples collected, the following information was recorded (see Appendix D for field notes):

- Project
- Sample ID
- Sample Type
- UTM Coordinates
- Prospector
- Date
- Sample Description

2.2 Expenditures

The work conducted for the completion of the Brookbank Prospecting campaigns includes two prospectors contracted from Clark Exploration Consulting Inc., from Thunder Bay, Ontario, to come to the Brookbank property for two separate campaigns. The expenditures include daily rates for the prospectors, accommodations, food, fuel, rentals, supplies and assays.

The prospecting occurred on 11 claims, which are all under Mining Lease 109291 (see table 2). Since all expenditures were on a single mining lease, expenditure distribution over the claims was not done.

Table 2 Number of grab samples per claim (the total amount does not include the 2 QAQC blanks)

Claim Number	Mining Lease	Number of Grab Samples
TB29026	109291	6
TB29028	109291	37
TB29029	109291	1
TB29030	109291	92
TB29031	109291	1
TB29033	109291	12
TB29037	109291	19
TB29038	109291	21
TB29039	109291	1
TB29040	109291	9
TB29041	109291	9
Total		208

A total of 45-man days were spent on prospecting between both campaigns. The pay rate is based on daily rates for 10-hour days. See table 3 for man days and cost. Table 4 outlines the cost for each expenditure (Travel, groceries, fuel, etc.), and has the total amount of money that was spent on the 2016 Brookbank prospecting program.

Table 3 Man days and cost for the Brookbank Prospecting

Date	Prospector	Prospector Helper	Hours/day	Prospector (\$575/day)	Prospector Helper (\$400/day)	Total
05-Sep-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
06-Sep-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
07-Sep-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
08-Sep-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
09-Sep-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
10-Sep-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
11-Sep-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
12-Sep-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
23-Sep-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
24-Sep-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
25-Sep-16	1	0	5	\$ 287.50	\$ -	\$ 287.50
26-Sep-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
27-Sep-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
28-Sep-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
29-Sep-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
30-Sep-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
01-Oct-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
02-Oct-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
03-Oct-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
04-Oct-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
05-Oct-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
06-Oct-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
07-Oct-16	1	1	10	\$ 575.00	\$ 400.00	\$ 975.00
TOTAL	23	22		\$ 12,937.50	\$ 8,800.00	\$ 21,737.50

Table 4 Expenditures for the 2016 Brookbank prospecting program, including the total amount of money spent

Expenditure	Cost (\$)
Prospecting	\$ 21,737.50
Travel	\$ 2,225.40
Accommodations	\$ 1,979.01
Gas	\$ 517.94
Groceries	\$ 784.93
Supplies	\$ 39.73
Admin Fee	\$ 498.24
Equipment Rental	\$ 525.00
Assays	\$ 7,308.50
TOTAL	\$ 35,616.25

2.3 Conclusions and Recommendations

Clark Exploration Consulting Inc., from Thunder Bay, Ontario, was contracted to perform two prospecting campaigns at the Brookbank property. The prospecting took place from September 5th, 2016 to September 12th, 2016 and from September 25th, 2016 to October 7th, 2016. The prospecting was focused on testing gold mineralization in different litho-structural targets to see if the mineralization signature is like the mineralization observed in previous soil and till data. A total of 208 grab samples were collected and sent to Act Labs, with two QAQC blank samples added (Figures 8-10; refer to Appendix C).

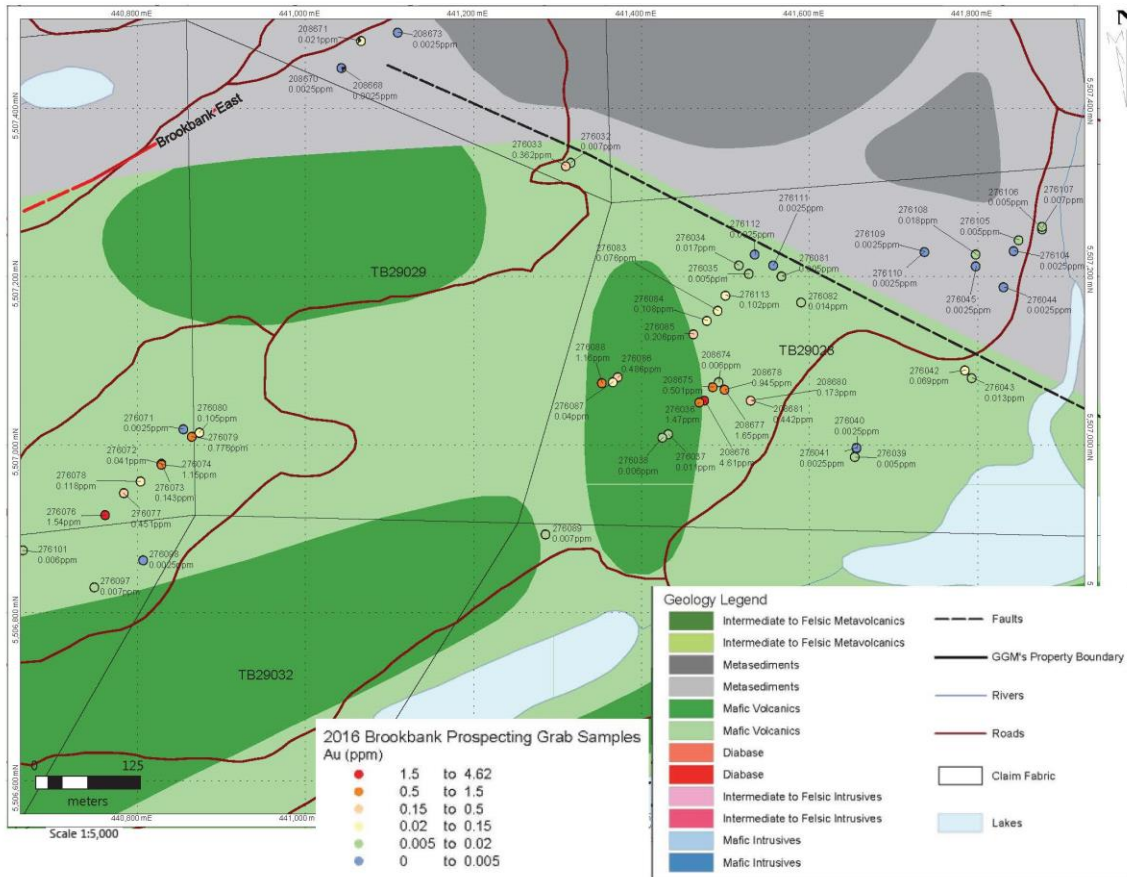


Figure 8 Thematic map of Au values (in ppm) for the prospecting grab samples; eastern extent

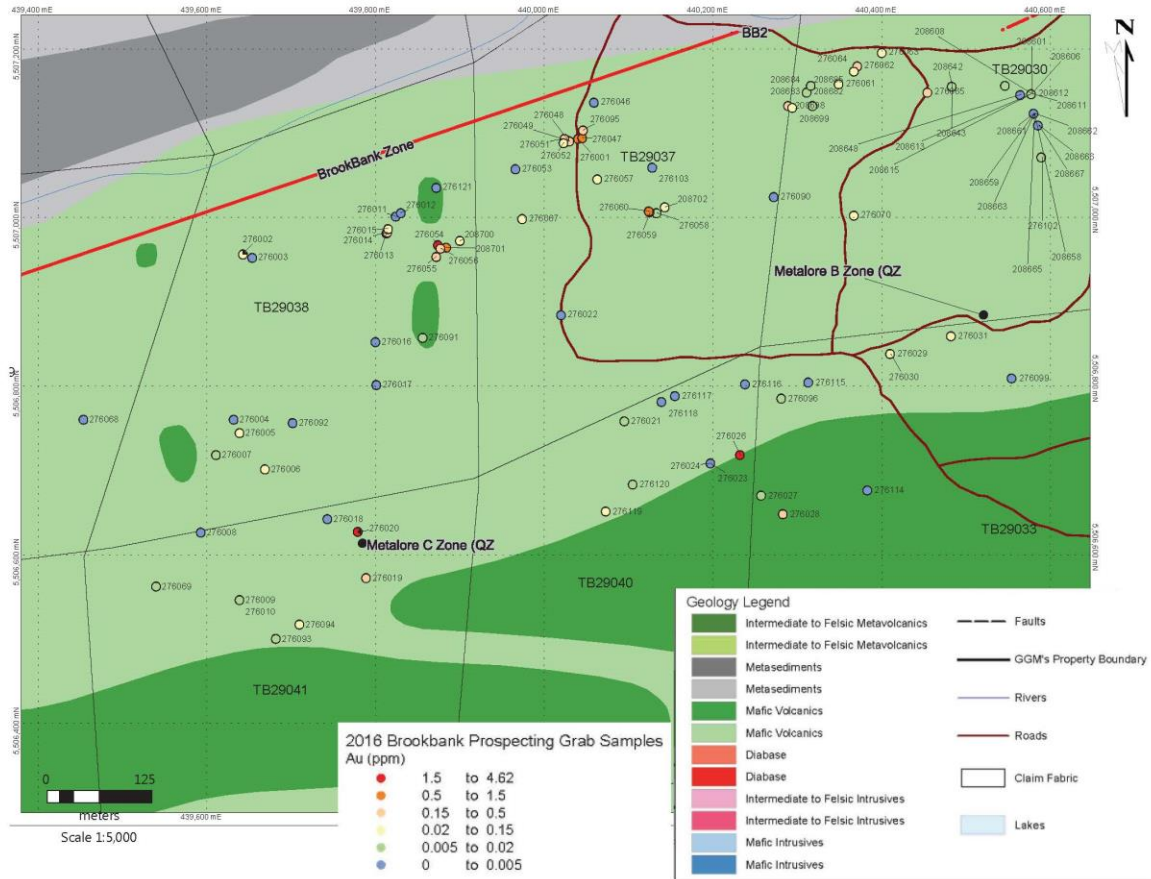


Figure 9 Thematic map of Au values (in ppm) for the prospecting grab samples; western extent

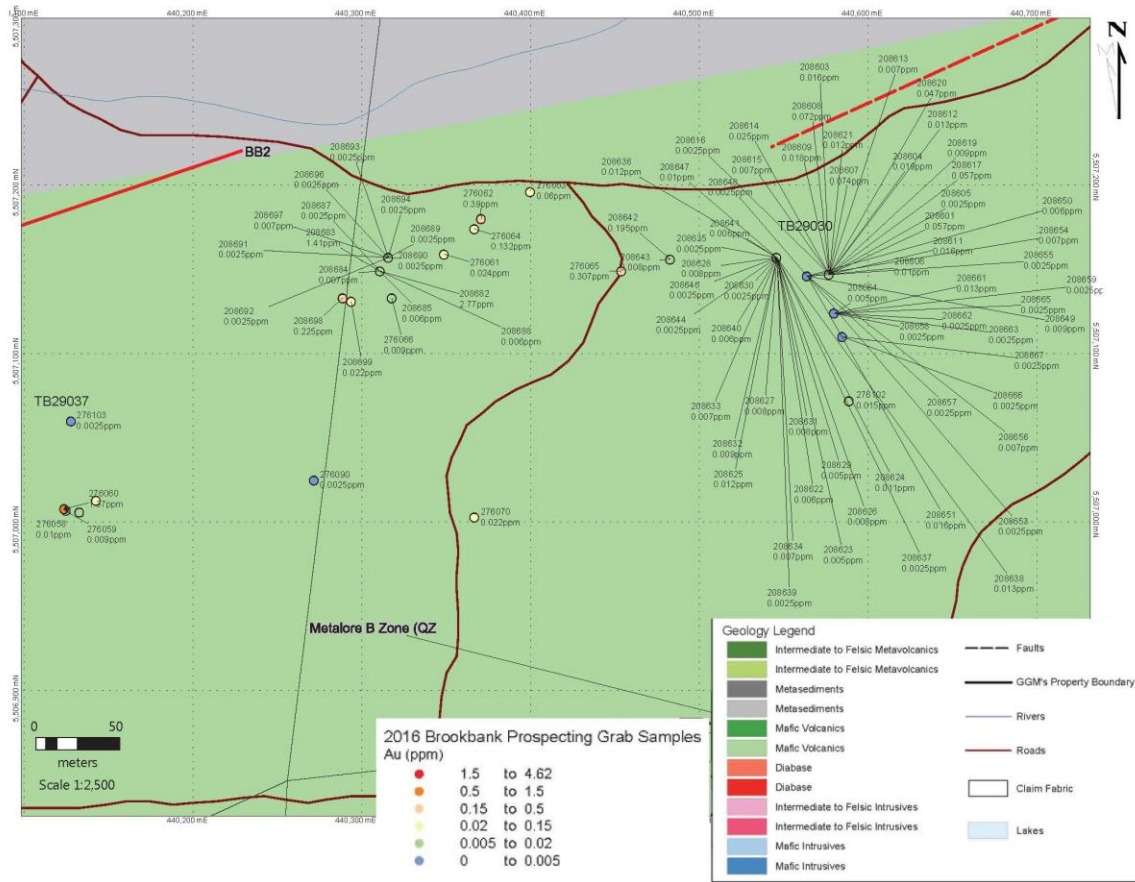


Figure 10 Thematic map of Au values (in ppm) for the prospecting grab samples

Fourteen (14) samples returned with greater than 1 g/t Au. These samples were mafic volcanics with quartz veining. Table 5 outlines the grab samples that returned with gold values greater than 1g/t, and figure 8 displays these 14 samples. A previously trenched area called the 'Silver Zone' by Metalore returned values of 4.61 g/t Au and 13.9 g/t Ag (sample 208676) (Table 5). Silver sulphides (argentite) is associated with the quartz-iron carbonate veining observed at Brookbank and Brookbank East.

Table 5 Grab samples that have gold values greater than 1 gpt.

Property	Sample ID	Northing	Easting	Elev (m)	Sampled By	Sampled Date	Sample Description	Au (ppm)
Brookbank	208676	5507278	441477		M. Tremblay	01/09/2016	banded qv in mafic volcanics 10% py in bands	4.61
Brookbank	276020	5506853	439781	345	R. Kovisto	26/09/2016	Mafic Volcanics; Gossanous qtz-carb vein. Local rubble in trench 10%+ pyrite	3.51
Brookbank	276026	5506944	440234	365	R. Kovisto	27/09/2016	Mafic Volcanics; rusty qtz-carb in sheared vfg grn mafic volcanics 1-2% vfg pyrite; K- spar alt	3.03
Brookbank	208682	5507374	440313		M. Tremblay	01/09/2016	q-k-ank vn +10% py tr cpy galena/hem	2.77
Brookbank	208677	5507291	441501		M. Tremblay	01/09/2016	Q-K-ank-py vein	1.65
Brookbank	276054	5507193	439876	332	R. Kovisto	29/09/2016	Mafic Volcanics; 30cm + Qtz vein in vfg grn-gy mafic volcanics. Serracite >10% galena 1-2% py; K-spar alt	1.56
Brookbank	276076	5507142	440764	361	R. Kovisto	01/10/2016	Mafic Volcanics; .5m-3.5m rusty qtz vein in vfg grn-gy mafic volcanics. 3-5% py gn	1.54
Brookbank	276036	5507276	441471	339	R. Kovisto	28/09/2016	Mafic Volcanics; Qtz-carb in grn-gy mafic volcanics 2-3% py. Gn/Acanthite?. Local stylolitic fracturing; Qtz-carb alt	1.47
Brookbank	208683	5507374	440313		M. Tremblay	01/09/2016	q-k-ank vn +10% py tr cpy galena/hem	1.41
Brookbank	276060	5507233	440126	331	R. Kovisto	29/09/2016	Mafic Volcanics; Qtz in sheared vfg grn-gy mafic volcanics 1-2% py	1.37
Brookbank	276001	5507319	440042	338	R. Kovisto	25/09/2016	Mafic Volcanics; Qtz vein in vfg gy-grn tholeiitic basalt. Gossanous. Malachite stn. Dendritic manganese 3-5% S. py gn cpy aspy	1.26
Brookbank	276088	5507299	441355	346	R. Kovisto	02/10/2016	Mafic Volcanics; Gossanous qtz-carb veinlets in mafic volcanics. 2-3% py; K-spar alt	1.16
Brookbank	276074	5507202	440831	350	R. Kovisto	01/10/2016	Mafic Volcanics; .5m-3.5m rusty qtz vein in vfg grn-gy mafic volcanics. Wall rock N side of vein (10% qtz) 2-3% pyr aspy	1.15
Brookbank	276047	5507320	440047	338	R. Kovisto	29/09/2016	Mafic Volcanics; 1m+ qtz vein in vfg grn-gy basalt. Gossanous 5% S. Cpy py gn (near S#276001..more cpy less gn)	1.06

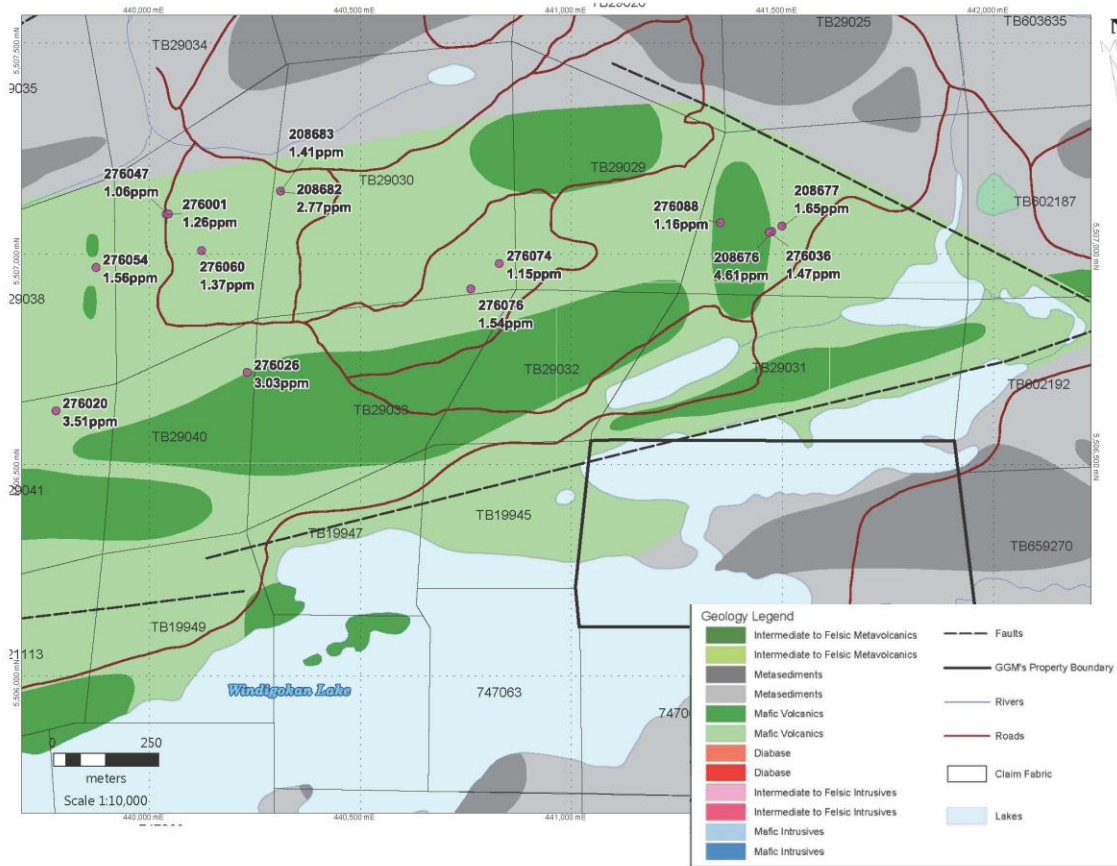


Figure 11 Locations of the grab samples that returned gold values greater than 1 gpt

The gold assay data and the multielement data has not been analyzed in depth due to exploration activities stopping. Recommended work that should be completed is a Principle Components Analysis (PCA) on the multielement ICP data and to compare it to the 2016 soil sample PCA results – this will help to determine if the mineralization signature is similar. A full analysis of the gold assays and distribution should be done to determine any future targets.

References

- Barclay, W.A., 2010. Recent Structural Geology Mapping at the Hardrock Project. Internal Report.
- DeWolfe, Jerry C., Bruno Lafrance, and Greg M. Stott. "Geology of the Shear-hosted Brookbank Gold Prospect in the Beardmore-Geraldton Belt, Wabigoon Subprovince, Ontario." *Canadian Journal of Earth Sciences* 44.7 (2007): 925-46.
- Ontex Resources Ltd. 2007. Ontex Resources Ltd. Annual information form, fiscal year ended December 31, 2006.
- Smyk, M., Fralick., Hart, T., 2005. Field Trip 1 – Geology and Gold Mineralization of the Beardmore-Geraldton Greenstone Belt. Proceedings of the 51st ILSG Annual Meeting – Part 2.
- Barnes, J.D. (2008) Report Of Survey And Transformation Ontex Brookbank CherbourgFox Ear Knox Property. Beardmore Geraldton Area, District of Thunder Bay.
- Blackburn, C.E., Johns, G.W., Ayer, J. and Davis, D.W. (1991) Wabigoon Subprovince in Geology of Ontario, Ontario Geological Survey, Special Volume 4, Part 1, pp. 303- 381.
- Blakely, I. T. and Moreton, C. (2009) Technical Report on the Brookbank Gold Deposit, Beardmore-Geraldton Area, Northern Ontario, Canada; Scott Wilson Roscose Postle Associates Inc. N.I. 43-101 Report, 146 pp.
- Closs, L.G. and Sado, E.V. (1981) Geochemistry of Soils and Glacial Sediments Near Gold Mineralization in the Beardmore-Geraldton Area, District of Thunder Bay; Ontario Geological Survey, Study 22, 65 pp. Accompanied by four charts.
- Dubé, B. and Gosselin, P. (2006) Greenstone-hosted Quartz-Carbonate Vein Deposits; Consolidation and Synthesis of Mineral Deposits Knowledge web site, Geological Survey of Canada (http://gsc.gc.ca/mindep/synth_dep/gold/greenstone).
- Devaney, J.R. and Williams, H.R. (1989) Evolution of an Archean subprovince boundary: A sedimentological and structural study of part of the Wabigoon-Quetico boundary in northern Ontario; *Canadian Journal of Earth Sciences*, v.26, pp. 1013-1026.
- Mackasey, W.O. (1975) Geology of Dorothea, Sandra and Irwin Townships, District of Thunder Bay; Ontario Division of Mines, GR122, 83 pp. Accompanied by Map 2294, scale 1 inch to ½ mile.
- Marshall, I.B. and Schutt, P.H. (1999) A national ecological framework for Canada – Overview. A co-operative product by Ecosystems Science Directorate, Environment Canada and Research Branch, Agriculture and Agri-Food Canada.

Mason, J.K. and McConnell, C.D. (1983) Gold Mineralization in the Beardmore- Geraldton Area *in* The Geology of Gold in Ontario, edited by A.C. Colvine, Ontario Geological Survey, Miscellaneous Paper, pp. 84-97.

Scott Wilson R.P.A. (2008a) Recommended QA/QC Program for Brookbank Gold Deposit 2008 Diamond Drilling Program. Internal Memo, 9 pp.

Scott Wilson R.P.A. (2008b) Brookbank Property Exploration Recommendations by Mr. Paul Chamois, P. Geo. Unpublished report, 5 pp.

S.G.S Lakefield Research Limited (2007) Gravity and Cyanide Leach Testing on Brook Bank Gold Ore, Project 11494-001 — Report No. 1, February 20, 2007.

Skrecky, G. (1982) Summary report on the Brookbank Gold Property, Irwin Twp., Ontario. An unpublished report prepared for Metalore Resources Ltd.

Smyk, M., Fralick, P. and Hart, T.R. (2005) Fieldtrip 1 - Geology and gold mineralization of the Beardmore-Geraldton greenstone belt *in* Proceedings of the 51st ILSG Annual Meeting, pp. 3-40.

Thompson, J.P. (2006) Technical Report Brookbank Gold Deposit, Beardmore-Geraldton Area, Northern Ontario. A report prepared for Ontex Resources Limited, April 28, 2006.

Williams, H.R. (1991) Quetico Subprovince *in* Geology of Ontario, Ontario Geological Survey, Special Volume 4, Part 1, pp. 383-403.

Queens Printer for Ontario (2008) Ontario Ministry of Northern Development and Mines, Mining Claims Information.

Appendices

Appendix A: Land Tenure

Township/Area	Claim Number	Claim Type	Percent Option	Claim Due Date
WALTERS	863700	Unpatented	GGM 79% Metalore 21%	2018-Aug-11
WALTERS	863701	Unpatented	GGM 79% Metalore 21%	2018-Aug-11
WALTERS	863702	Unpatented	GGM 79% Metalore 21%	2018-Aug-11
WALTERS	863703	Unpatented	GGM 79% Metalore 21%	2018-Aug-11
WALTERS	863704	Unpatented	GGM 79% Metalore 21%	2018-Aug-11
WALTERS	863705	Unpatented	GGM 79% Metalore 21%	2018-Aug-11
WALTERS	863670	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863671	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863672	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863673	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863674	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863675	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863676	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863677	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863678	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863679	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863680	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863681	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863682	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863683	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863684	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863685	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863686	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863687	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863688	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863689	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863690	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863691	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863692	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863693	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863694	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863695	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863696	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
WALTERS	863697	Unpatented	GGM 79% Metalore 21%	2018-Aug-12
IRWIN	1208795	Unpatented	GGM 74% Metalore 26%	2018-Aug-18
IRWIN	863848	Unpatented	GGM 74% Metalore 26%	2018-Aug-24
IRWIN	863849	Unpatented	GGM 74% Metalore 26%	2018-Aug-24
IRWIN	863850	Unpatented	GGM 74% Metalore 26%	2018-Aug-24
IRWIN	863851	Unpatented	GGM 74% Metalore 26%	2018-Aug-24
IRWIN	863858	Unpatented	GGM 74% Metalore 26%	2018-Aug-24
IRWIN	863859	Unpatented	GGM 74% Metalore 26%	2018-Aug-24
IRWIN	863860	Unpatented	GGM 74% Metalore 26%	2018-Aug-24
IRWIN	863861	Unpatented	GGM 74% Metalore 26%	2018-Aug-24
WALTERS	845261	Unpatented	GGM 79% Metalore 21%	2018-Aug-24
WALTERS	845262	Unpatented	GGM 79% Metalore 21%	2018-Aug-24
WALTERS	845263	Unpatented	GGM 79% Metalore 21%	2018-Aug-24
WALTERS	845264	Unpatented	GGM 79% Metalore 21%	2018-Aug-24
WALTERS	863730	Unpatented	GGM 79% Metalore 21%	2018-Aug-24
WALTERS	863731	Unpatented	GGM 79% Metalore 21%	2018-Aug-24
WALTERS	863732	Unpatented	GGM 79% Metalore 21%	2018-Aug-24
WALTERS	863733	Unpatented	GGM 79% Metalore 21%	2018-Aug-24
WALTERS	863734	Unpatented	GGM 79% Metalore 21%	2018-Aug-24
IRWIN	1194002	Unpatented	GGM 74% Metalore 26%	2017-Dec-08
IRWIN	1194003	Unpatented	GGM 74% Metalore 26%	2017-Dec-08
IRWIN	1194004	Unpatented	GGM 74% Metalore 26%	2017-Dec-08

Township/Area	Claim Number	Claim Type	Percent Option	Claim Due Date
SANDRA	747158	Unpatented	GGM 74% Metalore 26%	2017-Dec-30
SANDRA	747159	Unpatented	GGM 74% Metalore 26%	2017-Dec-30
SANDRA	747160	Unpatented	GGM 74% Metalore 26%	2017-Dec-30
SANDRA	747161	Unpatented	GGM 74% Metalore 26%	2017-Dec-30
SANDRA	747162	Unpatented	GGM 74% Metalore 26%	2017-Dec-30
WALTERS	784014	Unpatented	GGM 79% Metalore 21%	2017-Dec-30
WALTERS	784015	Unpatented	GGM 79% Metalore 21%	2017-Dec-30
WALTERS	784016	Unpatented	GGM 79% Metalore 21%	2017-Dec-30
WALTERS	784017	Unpatented	GGM 79% Metalore 21%	2017-Dec-30
SANDRA	730974	Unpatented	GGM 74% Metalore 26%	2017-Dec-31
WALTERS	1248096	Unpatented	GGM 79% Metalore 21%	2018-Feb-04
IRWIN	1208794	Unpatented	GGM 74% Metalore 26%	2018-Jul-12
IRWIN	1242524	Unpatented	GGM 74% Metalore 26%	2018-Jul-13
IRWIN	1242525	Unpatented	GGM 74% Metalore 26%	2018-Jul-13
IRWIN	1242526	Unpatented	GGM 74% Metalore 26%	2018-Jul-13
IRWIN	1242523	Unpatented	GGM 74% Metalore 26%	2018-Jul-19
LEDUC	831461	Unpatented	GGM 79% Metalore 21%	2018-Jul-25
LEDUC	831462	Unpatented	GGM 79% Metalore 21%	2018-Jul-25
LEDUC	831463	Unpatented	GGM 79% Metalore 21%	2018-Jul-25
LEDUC	831464	Unpatented	GGM 79% Metalore 21%	2018-Jul-25
LEDUC	831465	Unpatented	GGM 79% Metalore 21%	2018-Jul-25
LEDUC	831466	Unpatented	GGM 79% Metalore 21%	2018-Jul-25
LEDUC	845255	Unpatented	GGM 79% Metalore 21%	2018-Jul-25
LEDUC	863260	Unpatented	GGM 79% Metalore 21%	2018-Jul-25
LEDUC	863261	Unpatented	GGM 79% Metalore 21%	2018-Jul-25
LEDUC	845246	Unpatented	GGM 79% Metalore 21%	2018-Jul-26
IRWIN	1204829	Unpatented	GGM 74% Metalore 26%	2018-Jun-05
LEGAULT	1242518	Unpatented	GGM 79% Metalore 21%	2018-Jun-19
LEGAULT	1242519	Unpatented	GGM 79% Metalore 21%	2018-Jun-19
LEGAULT	1242520	Unpatented	GGM 79% Metalore 21%	2018-Jun-19
LEGAULT	1242521	Unpatented	GGM 79% Metalore 21%	2018-Jun-19
LEDUC	1208796	Unpatented	GGM 79% Metalore 21%	2018-Jun-20
LEDUC	1208797	Unpatented	GGM 79% Metalore 21%	2018-Jun-20
LEDUC	1208798	Unpatented	GGM 79% Metalore 21%	2018-Jun-20
LEDUC	1208799	Unpatented	GGM 79% Metalore 21%	2018-Jun-20
LEGAULT	1208800	Unpatented	GGM 79% Metalore 21%	2018-Jun-20
IRWIN	1217078	Unpatented	GGM 74% Metalore 26%	2018-Jun-20
IRWIN	1187532	Unpatented	GGM 74% Metalore 26%	2018-Jun-27
LEDUC	1202341	Unpatented	GGM 79% Metalore 21%	2018-May-04
LEDUC	1202342	Unpatented	GGM 79% Metalore 21%	2018-May-04
LEDUC	1202345	Unpatented	GGM 79% Metalore 21%	2018-May-04
LEDUC	1208701	Unpatented	GGM 79% Metalore 21%	2018-May-04
LEDUC	1208702	Unpatented	GGM 79% Metalore 21%	2018-May-04
LEDUC	1232533	Unpatented	GGM 79% Metalore 21%	2018-May-09
WALTERS	1239559	Unpatented	GGM 79% Metalore 21%	2018-May-09
WALTERS	658278	Unpatented	GGM 79% Metalore 21%	2018-May-12
WALTERS	658279	Unpatented	GGM 79% Metalore 21%	2018-May-12
WALTERS	658280	Unpatented	GGM 79% Metalore 21%	2018-May-12
WALTERS	658281	Unpatented	GGM 79% Metalore 21%	2018-May-12
WALTERS	658282	Unpatented	GGM 79% Metalore 21%	2018-May-12
WALTERS	658283	Unpatented	GGM 79% Metalore 21%	2018-May-12
WALTERS	658284	Unpatented	GGM 79% Metalore 21%	2018-May-12
WALTERS	658285	Unpatented	GGM 79% Metalore 21%	2018-May-12
WALTERS	658286	Unpatented	GGM 79% Metalore 21%	2018-May-12
WALTERS	658287	Unpatented	GGM 79% Metalore 21%	2018-May-12

Township/Area	Claim Number	Claim Type	Percent Option	Claim Due Date
WALTERS	829011	Unpatented	GGM 79% Metalore 21%	2018-May-24
IRWIN	768744	Unpatented	GGM 74% Metalore 26%	2018-May-29
IRWIN	768745	Unpatented	GGM 74% Metalore 26%	2018-May-29
IRWIN	768746	Unpatented	GGM 74% Metalore 26%	2018-May-29
IRWIN	768747	Unpatented	GGM 74% Metalore 26%	2018-May-29
LEDUC	4222390	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
WALTERS	1248099	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874222	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874223	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874224	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874225	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874226	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874227	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874228	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874229	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874230	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874231	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874232	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874233	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874234	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874235	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874236	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874237	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
LEDUC	874238	Unpatented	GGM 79% Metalore 21%	2017-Dec-15
IRWIN	1188492	Unpatented	GGM 74% Metalore 26%	2017-Dec-15
IRWIN	1191285	Unpatented	GGM 74% Metalore 26%	2017-Dec-15
IRWIN	1204828	Unpatented	GGM 74% Metalore 26%	2018-Oct-03
WALTERS	645537	Unpatented	GGM 79% Metalore 21%	2018-Oct-19
WALTERS	645538	Unpatented	GGM 79% Metalore 21%	2018-Oct-19
WALTERS	645539	Unpatented	GGM 79% Metalore 21%	2018-Oct-19
WALTERS	645540	Unpatented	GGM 79% Metalore 21%	2018-Oct-19
WALTERS	645541	Unpatented	GGM 79% Metalore 21%	2018-Oct-19
WALTERS	645542	Unpatented	GGM 79% Metalore 21%	2018-Oct-19
WALTERS	645543	Unpatented	GGM 79% Metalore 21%	2018-Oct-19
WALTERS	645544	Unpatented	GGM 79% Metalore 21%	2018-Oct-19
WALTERS	645545	Unpatented	GGM 79% Metalore 21%	2018-Oct-19
WALTERS	645546	Unpatented	GGM 79% Metalore 21%	2018-Oct-19
WALTERS	645547	Unpatented	GGM 79% Metalore 21%	2018-Oct-19
WALTERS	645548	Unpatented	GGM 79% Metalore 21%	2018-Oct-19
WALTERS	645549	Unpatented	GGM 79% Metalore 21%	2018-Oct-19
LEDUC	864394	Unpatented	GGM 79% Metalore 21%	2018-Oct-21
LEDUC	864395	Unpatented	GGM 79% Metalore 21%	2018-Oct-21
LEDUC	864396	Unpatented	GGM 79% Metalore 21%	2018-Oct-21
LEDUC	864397	Unpatented	GGM 79% Metalore 21%	2018-Oct-21
LEDUC	864398	Unpatented	GGM 79% Metalore 21%	2018-Oct-21
LEGAULT	1205097	Unpatented	GGM 79% Metalore 21%	2018-Oct-30
LEGAULT	1205098	Unpatented	GGM 79% Metalore 21%	2018-Oct-30
WALTERS	1205095	Unpatented	GGM 79% Metalore 21%	2018-Oct-30
WALTERS	1205096	Unpatented	GGM 79% Metalore 21%	2018-Oct-30
WALTERS	1205099	Unpatented	GGM 79% Metalore 21%	2018-Oct-30
WALTERS	1205100	Unpatented	GGM 79% Metalore 21%	2018-Oct-30
IRWIN	732024	Unpatented	GGM 74% Metalore 26%	2018-Sep-02
IRWIN	732025	Unpatented	GGM 74% Metalore 26%	2018-Sep-02
IRWIN	732026	Unpatented	GGM 74% Metalore 26%	2018-Sep-02
IRWIN	732027	Unpatented	GGM 74% Metalore 26%	2018-Sep-02

Township/Area	Claim Number	Claim Type	Percent Option	Claim Due Date
IRWIN	732028	Unpatented	GGM 74% Metalore 26%	2018-Sep-02
IRWIN	732029	Unpatented	GGM 74% Metalore 26%	2018-Sep-02
IRWIN	732030	Unpatented	GGM 74% Metalore 26%	2018-Sep-02
IRWIN	732031	Unpatented	GGM 74% Metalore 26%	2018-Sep-02
IRWIN	732032	Unpatented	GGM 74% Metalore 26%	2018-Sep-02
IRWIN	732033	Unpatented	GGM 74% Metalore 26%	2018-Sep-02
IRWIN	732034	Unpatented	GGM 74% Metalore 26%	2018-Sep-02
IRWIN	732035	Unpatented	GGM 74% Metalore 26%	2018-Sep-02
IRWIN	732036	Unpatented	GGM 74% Metalore 26%	2018-Sep-02
SANDRA	831467	Unpatented	GGM 74% Metalore 26%	2018-Sep-03
SANDRA	831468	Unpatented	GGM 74% Metalore 26%	2018-Sep-03
SANDRA	831469	Unpatented	GGM 74% Metalore 26%	2018-Sep-03
SANDRA	831470	Unpatented	GGM 74% Metalore 26%	2018-Sep-03
SANDRA	831471	Unpatented	GGM 74% Metalore 26%	2018-Sep-03
SANDRA	831472	Unpatented	GGM 74% Metalore 26%	2018-Sep-03
SANDRA	831473	Unpatented	GGM 74% Metalore 26%	2018-Sep-03
SANDRA	831474	Unpatented	GGM 74% Metalore 26%	2018-Sep-03
SANDRA	831475	Unpatented	GGM 74% Metalore 26%	2018-Sep-03
SANDRA	831476	Unpatented	GGM 74% Metalore 26%	2018-Sep-03
SANDRA	831477	Unpatented	GGM 74% Metalore 26%	2018-Sep-03
SANDRA	831478	Unpatented	GGM 74% Metalore 26%	2018-Sep-03
LEDUC	862408	Unpatented	GGM 79% Metalore 21%	2018-Sep-06
LEDUC	862409	Unpatented	GGM 79% Metalore 21%	2018-Sep-06
LEDUC	862410	Unpatented	GGM 79% Metalore 21%	2018-Sep-06
WALTERS	746039	Unpatented	GGM 79% Metalore 21%	2018-Sep-18
WALTERS	746040	Unpatented	GGM 79% Metalore 21%	2018-Sep-18
IRWIN	864549	Unpatented	GGM 74% Metalore 26%	2018-Sep-21
IRWIN	864550	Unpatented	GGM 74% Metalore 26%	2018-Sep-21
IRWIN	864551	Unpatented	GGM 74% Metalore 26%	2018-Sep-21
LEDUC	845247	Unpatented	GGM 79% Metalore 21%	2018-Sep-30
LEDUC	845248	Unpatented	GGM 79% Metalore 21%	2018-Sep-30
LEDUC	845249	Unpatented	GGM 79% Metalore 21%	2018-Sep-30
LEDUC	845254	Unpatented	GGM 79% Metalore 21%	2018-Sep-30
WALTERS	820612	Unpatented	GGM 79% Metalore 21%	2018-Apr-04
WALTERS	820613	Unpatented	GGM 79% Metalore 21%	2018-Apr-04
WALTERS	820614	Unpatented	GGM 79% Metalore 21%	2018-Apr-04
WALTERS	811697	Unpatented	GGM 79% Metalore 21%	2018-Apr-06
IRWIN	768648	Unpatented	GGM 74% Metalore 26%	2018-Apr-07
IRWIN	768649	Unpatented	GGM 74% Metalore 26%	2018-Apr-07
IRWIN	768650	Unpatented	GGM 74% Metalore 26%	2018-Apr-07
IRWIN	768651	Unpatented	GGM 74% Metalore 26%	2018-Apr-07
IRWIN	768652	Unpatented	GGM 74% Metalore 26%	2018-Apr-07
IRWIN	768653	Unpatented	GGM 74% Metalore 26%	2018-Apr-07
IRWIN	768654	Unpatented	GGM 74% Metalore 26%	2018-Apr-07
IRWIN	768655	Unpatented	GGM 74% Metalore 26%	2018-Apr-07
IRWIN	768656	Unpatented	GGM 74% Metalore 26%	2018-Apr-07
IRWIN	768657	Unpatented	GGM 74% Metalore 26%	2018-Apr-07
IRWIN	768659	Unpatented	GGM 74% Metalore 26%	2018-Apr-07
IRWIN	768660	Unpatented	GGM 74% Metalore 26%	2018-Apr-07
IRWIN	768661	Unpatented	GGM 74% Metalore 26%	2018-Apr-07
IRWIN	768662	Unpatented	GGM 74% Metalore 26%	2018-Apr-07
IRWIN	768663	Unpatented	GGM 74% Metalore 26%	2018-Apr-07
WALTERS	4261587	Unpatented	GGM 100%	2018-Apr-07
IRWIN	768676	Unpatented	GGM 74% Metalore 26%	2018-Apr-08
WALTERS	925887	Unpatented	GGM 79% Metalore 21%	2018-Apr-08

Township/Area	Claim Number	Claim Type	Percent Option	Claim Due Date
WALTERS	925888	Unpatented	GGM 79% Metalore 21%	2018-Apr-08
WALTERS	925889	Unpatented	GGM 79% Metalore 21%	2018-Apr-08
WALTERS	925890	Unpatented	GGM 79% Metalore 21%	2018-Apr-08
LEDUC	1248098	Unpatented	GGM 79% Metalore 21%	2018-Apr-10
IRWIN	1196737	Unpatented	GGM 74% Metalore 26%	2018-Apr-11
IRWIN	846380	Unpatented	GGM 74% Metalore 26%	2018-Apr-13
IRWIN	846381	Unpatented	GGM 74% Metalore 26%	2018-Apr-13
IRWIN	1103385	Unpatented	GGM 74% Metalore 26%	2018-Apr-19
IRWIN	1103859	Unpatented	GGM 74% Metalore 26%	2018-Apr-19
WALTERS	941621	Unpatented	GGM 79% Metalore 21%	2018-Apr-20
WALTERS	941622	Unpatented	GGM 79% Metalore 21%	2018-Apr-20
IRWIN	963852	Unpatented	GGM 74% Metalore 26%	2018-Apr-20
IRWIN	963853	Unpatented	GGM 74% Metalore 26%	2018-Apr-20
IRWIN	963854	Unpatented	GGM 74% Metalore 26%	2018-Apr-20
IRWIN	963855	Unpatented	GGM 74% Metalore 26%	2018-Apr-20
IRWIN	963856	Unpatented	GGM 74% Metalore 26%	2018-Apr-20
IRWIN	963857	Unpatented	GGM 74% Metalore 26%	2018-Apr-20
IRWIN	963858	Unpatented	GGM 74% Metalore 26%	2018-Apr-20
IRWIN	963859	Unpatented	GGM 74% Metalore 26%	2018-Apr-20
IRWIN	963860	Unpatented	GGM 74% Metalore 26%	2018-Apr-20
IRWIN	963861	Unpatented	GGM 74% Metalore 26%	2018-Apr-20
IRWIN	963862	Unpatented	GGM 74% Metalore 26%	2018-Apr-20
IRWIN	963863	Unpatented	GGM 74% Metalore 26%	2018-Apr-20
WALTERS	942122	Unpatented	GGM 79% Metalore 21%	2018-Apr-20
WALTERS	942123	Unpatented	GGM 79% Metalore 21%	2018-Apr-20
WALTERS	1022080	Unpatented	GGM 79% Metalore 21%	2018-Apr-20
WALTERS	1022081	Unpatented	GGM 79% Metalore 21%	2018-Apr-20
WALTERS	1022076	Unpatented	GGM 79% Metalore 21%	2018-Apr-20
WALTERS	1022077	Unpatented	GGM 79% Metalore 21%	2018-Apr-20
WALTERS	1022078	Unpatented	GGM 79% Metalore 21%	2018-Apr-20
WALTERS	1022079	Unpatented	GGM 79% Metalore 21%	2018-Apr-20
WALTERS	887601	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887602	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887603	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887604	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887605	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887606	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887607	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887608	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887609	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887610	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887611	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887612	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887613	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887614	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887615	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887616	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887617	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887618	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887619	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887620	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887621	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887622	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887623	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887624	Unpatented	GGM 79% Metalore 21%	2018-Feb-09

Township/Area	Claim Number	Claim Type	Percent Option	Claim Due Date
WALTERS	887625	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887626	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887627	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887628	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887629	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	887630	Unpatented	GGM 79% Metalore 21%	2018-Feb-09
WALTERS	685777	Unpatented	GGM 79% Metalore 21%	2018-Feb-11
WALTERS	685778	Unpatented	GGM 79% Metalore 21%	2018-Feb-11
WALTERS	685779	Unpatented	GGM 79% Metalore 21%	2018-Feb-11
WALTERS	685780	Unpatented	GGM 79% Metalore 21%	2018-Feb-11
IRWIN	747062	Unpatented	GGM 74% Metalore 26%	2018-Jan-01
IRWIN	747063	Unpatented	GGM 74% Metalore 26%	2018-Jan-01
IRWIN	747064	Unpatented	GGM 74% Metalore 26%	2018-Jan-01
IRWIN	747065	Unpatented	GGM 74% Metalore 26%	2018-Jan-01
IRWIN	747066	Unpatented	GGM 74% Metalore 26%	2018-Jan-01
IRWIN	747163	Unpatented	GGM 74% Metalore 26%	2018-Jan-20
IRWIN	747164	Unpatented	GGM 74% Metalore 26%	2018-Jan-20
IRWIN	747165	Unpatented	GGM 74% Metalore 26%	2018-Jan-20
WALTERS	759615	Unpatented	GGM 79% Metalore 21%	2018-Jan-20
WALTERS	766094	Unpatented	GGM 79% Metalore 21%	2018-Jan-20
WALTERS	766095	Unpatented	GGM 79% Metalore 21%	2018-Jan-20
LEDUC	746528	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
LEDUC	746529	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
LEDUC	785638	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746467	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746468	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746469	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746470	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746471	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746472	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746473	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746474	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746475	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746476	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746477	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746478	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746479	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746506	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746513	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746514	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746515	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746516	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746517	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746518	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746519	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746520	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746521	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746522	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746523	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746524	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746525	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746526	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	746527	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	759610	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	759611	Unpatented	GGM 79% Metalore 21%	2018-Jan-21

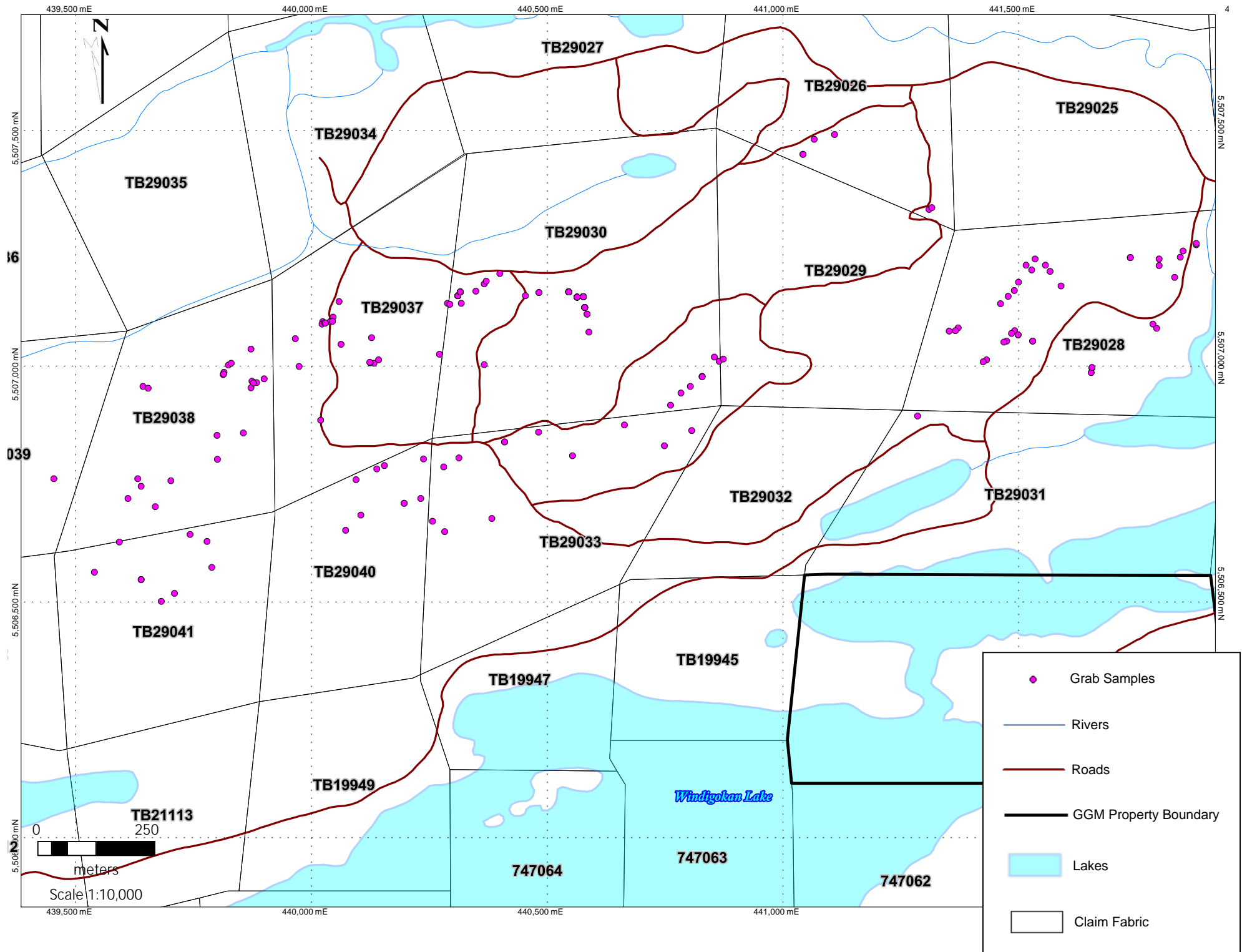
Township/Area	Claim Number	Claim Type	Percent Option	Claim Due Date
WALTERS	759612	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	759613	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	759614	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	766096	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	773138	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	773139	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	773140	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	773141	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	773142	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	773143	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	773144	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	773145	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	773146	Unpatented	GGM 79% Metalore 21%	2018-Jan-21
WALTERS	4261588	Unpatented	GGM 100%	2018-Jul-26
WALTERS	4261593	Unpatented	GGM 100%	2018-Jul-26
IRWIN	1204830	Unpatented	GGM 74% Metalore 26%	2018-Jun-05
WALTERS	1204831	Unpatented	GGM 79% Metalore 21%	2018-Jun-05
WALTERS	1204832	Unpatented	GGM 79% Metalore 21%	2018-Jun-05
IRWIN	715494	Unpatented	GGM 74% Metalore 26%	2018-Jun-11
IRWIN	715495	Unpatented	GGM 74% Metalore 26%	2018-Jun-11
IRWIN	715496	Unpatented	GGM 74% Metalore 26%	2018-Jun-11
WALTERS	658025	Unpatented	GGM 79% Metalore 21%	2018-Jun-19
WALTERS	658026	Unpatented	GGM 79% Metalore 21%	2018-Jun-19
WALTERS	658027	Unpatented	GGM 79% Metalore 21%	2018-Jun-19
WALTERS	658028	Unpatented	GGM 79% Metalore 21%	2018-Jun-19
WALTERS	658029	Unpatented	GGM 79% Metalore 21%	2018-Jun-19
WALTERS	658030	Unpatented	GGM 79% Metalore 21%	2018-Jun-19
WALTERS	1187664	Unpatented	GGM 79% Metalore 21%	2018-Mar-07
WALTERS	1194204	Unpatented	GGM 79% Metalore 21%	2018-Mar-11
IRWIN	715669	Unpatented	GGM 74% Metalore 26%	2018-Mar-14
IRWIN	715676	Unpatented	GGM 74% Metalore 26%	2018-Mar-14
IRWIN	715677	Unpatented	GGM 74% Metalore 26%	2018-Mar-14
IRWIN	715684	Unpatented	GGM 74% Metalore 26%	2018-Mar-14
IRWIN	715685	Unpatented	GGM 74% Metalore 26%	2018-Mar-14
IRWIN	715692	Unpatented	GGM 74% Metalore 26%	2018-Mar-14
IRWIN	715693	Unpatented	GGM 74% Metalore 26%	2018-Mar-14
LEDUC	815000	Unpatented	GGM 79% Metalore 21%	2018-Mar-24
LEDUC	815002	Unpatented	GGM 79% Metalore 21%	2018-Mar-24
LEDUC	815003	Unpatented	GGM 79% Metalore 21%	2018-Mar-24
LEDUC	815005	Unpatented	GGM 79% Metalore 21%	2018-Mar-24
LEDUC	815006	Unpatented	GGM 79% Metalore 21%	2018-Mar-24
WALTERS	925636	Unpatented	GGM 79% Metalore 21%	2018-Mar-25
WALTERS	925637	Unpatented	GGM 79% Metalore 21%	2018-Mar-25
WALTERS	925638	Unpatented	GGM 79% Metalore 21%	2018-Mar-25
WALTERS	925639	Unpatented	GGM 79% Metalore 21%	2018-Mar-25
WALTERS	925640	Unpatented	GGM 79% Metalore 21%	2018-Mar-25
WALTERS	925641	Unpatented	GGM 79% Metalore 21%	2018-Mar-25
IRWIN	1191644	Unpatented	GGM 74% Metalore 26%	2018-Mar-29
WALTERS	1241813	Unpatented	GGM 79% Metalore 21%	2018-May-01
WALTERS	1221490	Unpatented	GGM 79% Metalore 21%	2018-May-02
WALTERS	3001023	Unpatented	GGM 79% Metalore 21%	2018-May-02
IRWIN	1208594	Unpatented	GGM 74% Metalore 26%	2018-May-04
IRWIN	1208595	Unpatented	GGM 74% Metalore 26%	2018-May-04
IRWIN	1208596	Unpatented	GGM 74% Metalore 26%	2018-May-04
IRWIN	1208597	Unpatented	GGM 74% Metalore 26%	2018-May-04

Township/Area	Claim Number	Claim Type	Percent Option	Claim Due Date
IRWIN	1208598	Unpatented	GGM 74% Metalore 26%	2018-May-04
IRWIN	1208599	Unpatented	GGM 74% Metalore 26%	2018-May-04
IRWIN	1208600	Unpatented	GGM 74% Metalore 26%	2018-May-04
IRWIN	4262960	Unpatented	GGM 74% Metalore 26%	2018-Sep-20
IRWIN	4262963	Unpatented	GGM 74% Metalore 26%	2018-Sep-20
IRWIN	4262964	Unpatented	GGM 74% Metalore 26%	2018-Sep-20
WALTERS	4279710	Unpatented	GGM 100%	2018-Sep-23
IRWIN	4277707	Unpatented	GGM 100%	2019-May-19

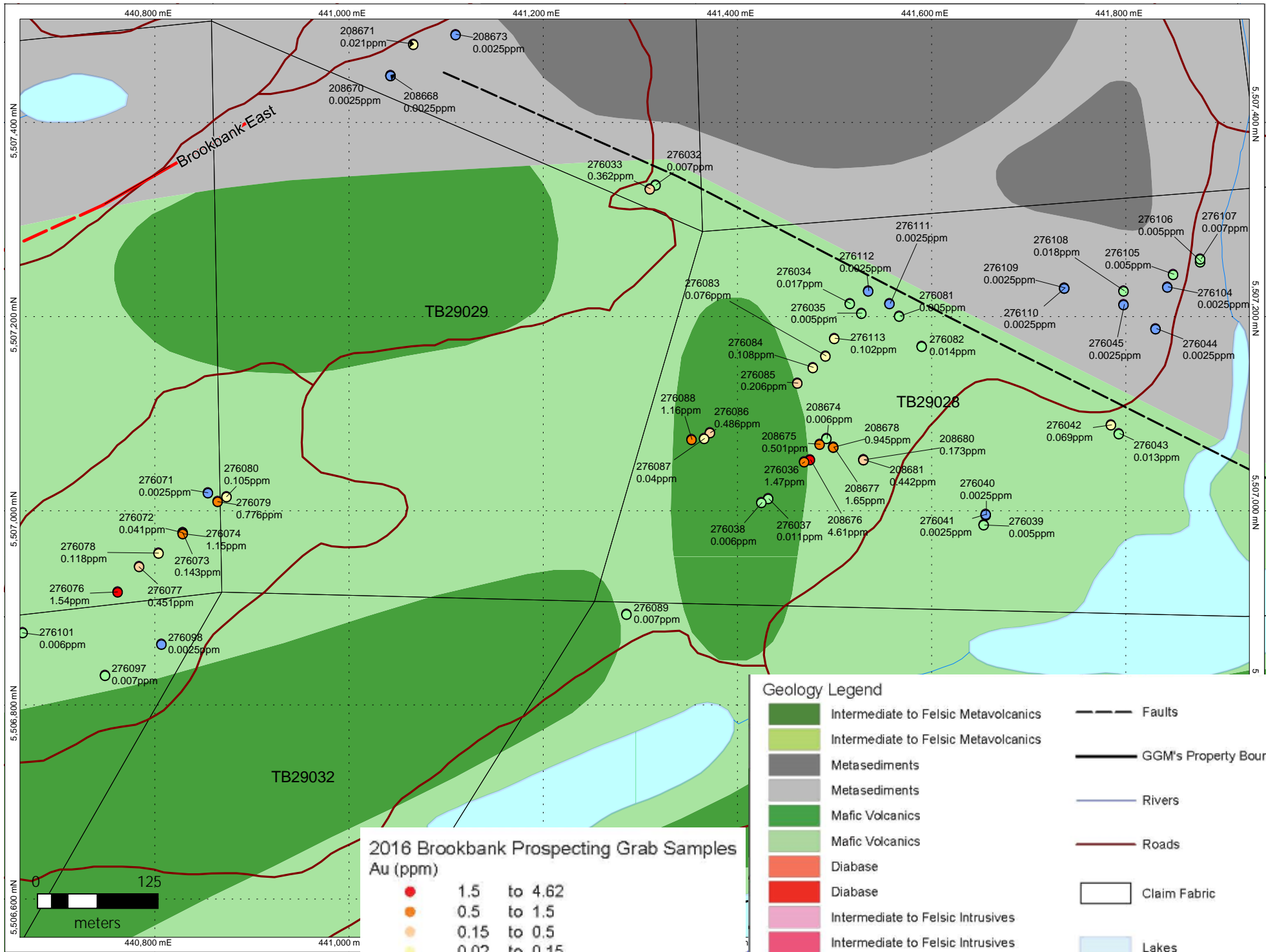
Township/Area	Claim Number	Claim Type	Lease	Claim Due Date	Percent Option
IRWIN	TB19945	Lease	19834	2025-Jan-1	GGM 74% Metalore 26%
IRWIN	TB19947	Lease	19828	2025-Jan-1	GGM 74% Metalore 26%
IRWIN	TB19949	Lease	19829	2025-Jan-1	GGM 74% Metalore 26%
IRWIN	TB21111	Lease	19837	2025-Jan-1	GGM 74% Metalore 26%
IRWIN	TB21112	Lease	19836	2025-Jan-1	GGM 74% Metalore 26%
IRWIN	TB21113	Lease	19835	2025-Jan-1	GGM 74% Metalore 26%
IRWIN	TB24846	Lease	19842	2025-Jan-1	GGM 74% Metalore 26%
IRWIN	TB24847	Lease	19841	2025-Jan-1	GGM 74% Metalore 26%
IRWIN	TB24848	Lease	19840	2025-Jan-1	GGM 74% Metalore 26%
IRWIN	TB27416	Lease	19830	2025-Jan-1	GGM 74% Metalore 26%
IRWIN	TB27244	Lease	19833	2025-Jan-1	GGM 74% Metalore 26%
IRWIN	TB27245	Lease	19832	2025-Jan-1	GGM 74% Metalore 26%
IRWIN	TB27246	Lease	19839	2025-Jan-1	GGM 74% Metalore 26%
IRWIN	TB27247	Lease	19838	2025-Jan-1	GGM 74% Metalore 26%
IRWIN	TB27248	Lease	19831	2025-Jan-1	GGM 74% Metalore 26%
IRWIN	TB730932	Lease	109292	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB730933	Lease	109292	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB730934	Lease	109292	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB730935	Lease	109292	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB602187	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB602188	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB602189	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB602190	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB602191	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB602192	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB603635	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB603636	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB603637	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB603658	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB603659	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB603660	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB659270	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB659271	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB659272	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB659273	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB659274	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB659275	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB674943	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB674944	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB674945	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB674946	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB784027	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB784028	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB784031	Lease	109293	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB602174	Lease	109294	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB602175	Lease	109294	2033-May-31	GGM 74% Metalore 26%

Township/Area	Claim Number	Claim Type	Lease	Claim Due Date	Percent Option
IRWIN	TB602176	Lease	109294	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB602177	Lease	109294	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB602178	Lease	109294	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB602179	Lease	109294	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB602180	Lease	109294	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB602184	Lease	109294	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB602185	Lease	109294	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB602186	Lease	109294	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB614090	Lease	109294	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB614091	Lease	109294	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB614092	Lease	109294	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB614093	Lease	109294	2033-May-31	GGM 74% Metalore 26%
IRWIN	TB29025	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29026	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29027	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29028	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29029	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29030	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29031	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29032	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29033	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29034	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29035	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29036	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29037	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29038	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29039	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29040	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29041	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB29042	Lease	109291	2033-May-31	GGM 100%
IRWIN	TB730931	Lease	109292	2033-May-31	GGM 74% Metalore 26%

Appendix B: Location Maps



Appendix C: Assay Maps



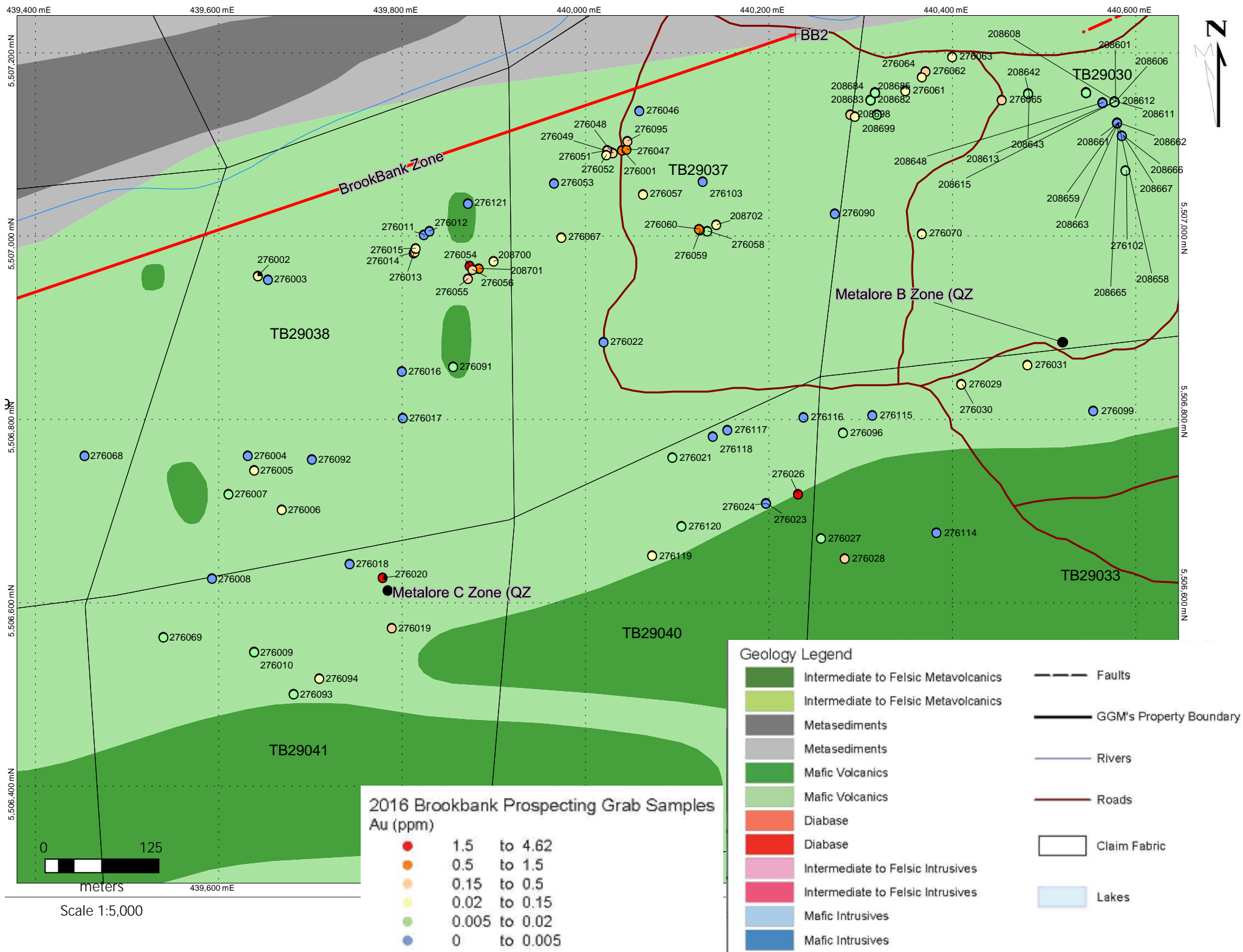
2016 Brookbank Prospecting Grab Samples
Au (ppm)

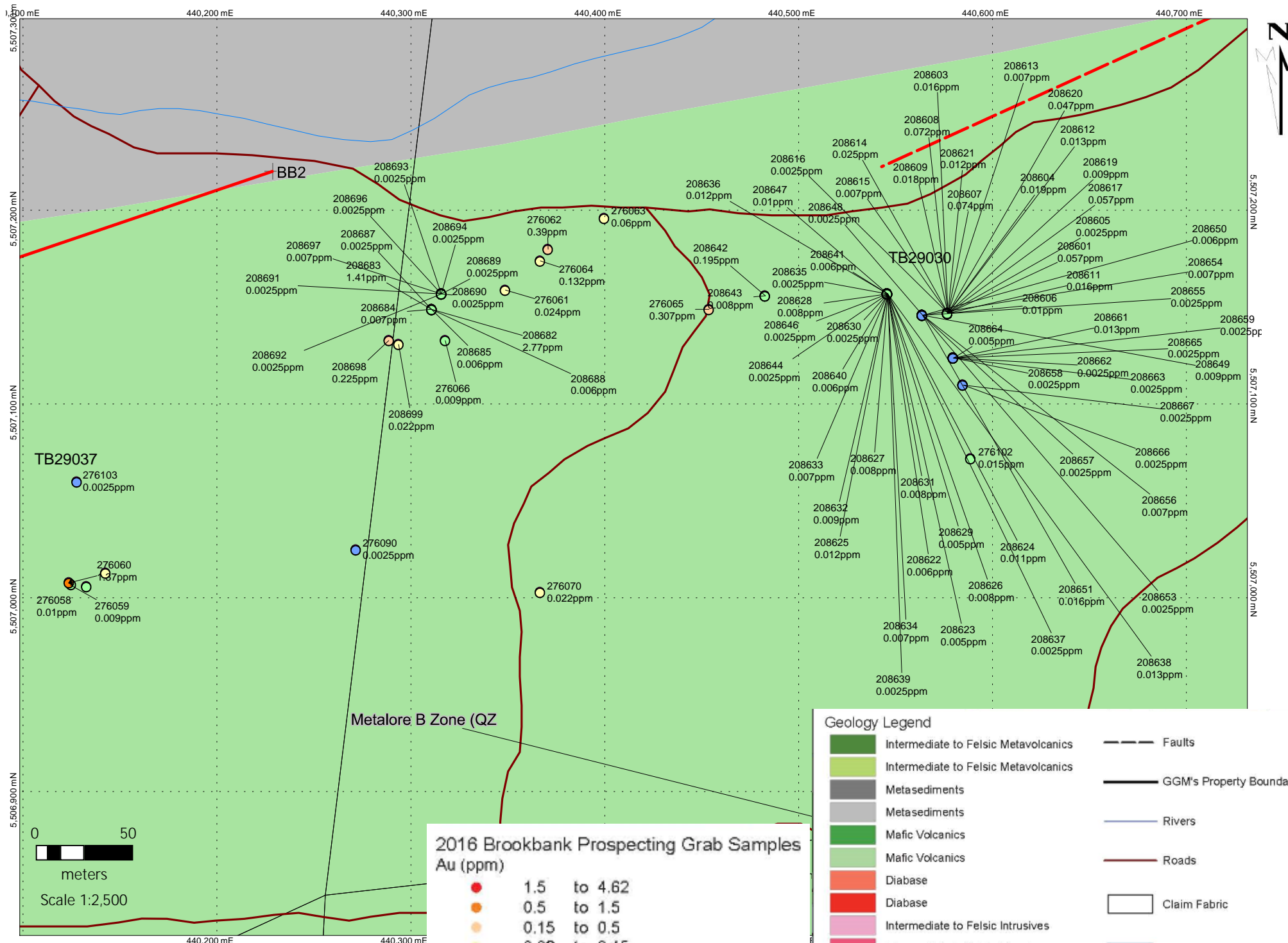
● (Red)	1.5 to 4.62
● (Orange)	0.5 to 1.5
● (Light Orange)	0.15 to 0.5
● (Yellow)	0.02 to 0.15
● (Light Green)	0.005 to 0.02
● (Blue)	0 to 0.005

Geology Legend

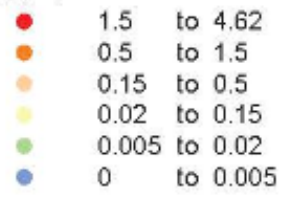
- | | |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Intermediate to Felsic Metavolcanics | Faults |
| Intermediate to Felsic Metavolcanics | GGM's Property Boundary |
| Metasediments | Rivers |
| Metasediments | Roads |
| Mafic Volcanics | Claim Fabric |
| Mafic Volcanics | Lakes |
| Diabase | |
| Diabase | |
| Intermediate to Felsic Intrusives | |
| Intermediate to Felsic Intrusives | |
| Mafic Intrusives | |
| Mafic Intrusives | |

Scale 1:5,000





2016 Brookbank Prospecting Grab Samples
Au (ppm)



Geology Legend

	Intermediate to Felsic Metavolcanics		Faults
	Intermediate to Felsic Metavolcanics		GGM's Property Boundary
	Metasediments		Rivers
	Metasediments		Roads
	Mafic Volcanics		Claim Fabric
	Mafic Volcanics		Lakes
	Diabase		
	Diabase		
	Intermediate to Felsic Intrusives		
	Intermediate to Felsic Intrusives		
	Mafic Intrusives		
	Mafic Intrusives		

Appendix D: Field Notes

Property	Sample ID	Sample Type	Coordinate Grid	Northing	Easting	Elev (m)	Survey Method	Sampled By	Sampled Date	Sample Description	Au (ppm)
Brookbank	208601	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	mafic volcanics ank-sil-k 2% py Quartz-ankerite stringer(s) 10%	0.057
Brookbank	208603	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	as above w/ 40% Quartz-ankerite stringer(s)	0.016
Brookbank	208604	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	mafic volcanics ank-k-sil-ser 5%py Quartz-ankerite stringer(s)	0.019
Brookbank	208605	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	Quartz-ankerite stringer(s) (qtz-ank-stringer) tr py	0.0025
Brookbank	208606	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	mafic volcanics k-sil-ank-ser 1% py-Quartz-ankerite stringer(s) to 3mm	0.01
Brookbank	208607	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	Qtz-ank-k vein tr pyu	0.074
Brookbank	208608	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	bull white quartz w/ rare rusty patches	0.072
Brookbank	208609	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	k altd mafic volcanics bx 1% py	0.018
Brookbank	208611	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	mafic volcanics k-ank diss + stringer hem (+cpy) 5% disseminated pyrite	0.016
Brookbank	208612	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	mafic volcanics k-epi-sil 3-5% py	0.013
Brookbank	208613	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	100azsheared mafic volcanics k-ank diss hem/mag	0.007
Brookbank	208614	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	xtalline Bull Q rare rusty patches	0.025
Brookbank	208615	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	mafic volcanics chl-k-ank shear next to qv	0.007
Brookbank	208616	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	sheared mafic volcanics ank tr hem d	0.0025
Brookbank	208617	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	mafic volcanics K-ank-sil-ser 50% QAV 5% py	0.057
Brookbank	208619	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	ser schist 2mm specularite stringers	0.009
Brookbank	208620	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	ser schist 5% py Quartz-ankerite stringer(s)	0.047
Brookbank	208621	Grab	NAD83 16N	5507372	440579		GPS	M. Tremblay	01/09/2016	Q-K vein tr py loose	0.012
Brookbank	208622	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	mafic volcanics- K-ser-sil rock 10%py +5mm hem stringers	0.006
Brookbank	208623	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	K-ser-sil-ank w/ Quartz-ankerite stringer(s) and up to 5%py loc.	0.005
Brookbank	208624	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	K-ser-sil-ank w/ Quartz-ankerite stringer(s) and up to 10% py	0.011
Brookbank	208625	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	Q-K vein up to 5% py	0.012
Brookbank	208626	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	k-ser-sil-ank 5-10% py 10% hem stringers	0.008
Brookbank	208627	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	k-sil-ser-ank 3-8mm Quartz-ankerite stringer(s) +3% py	0.008
Brookbank	208628	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	k-ser rock 60% Quartz-ankerite stringer(s)	0.008
Brookbank	208629	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	k-ser-sil-hem +3% py	0.005
Brookbank	208630	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	k-ank-ser-sil +3% p Quartz-ankerite stringer(s) to 5mm	0.0025
Brookbank	208631	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	k-ser-ank-sil 5% Quartz-ankerite stringer(s) 3% py	0.008
Brookbank	208632	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	as above 50% Quartz-ankerite stringer(s)	0.009
Brookbank	208633	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	ser-ank-k-sil 20% frac con Quartz-ankerite stringer(s)	0.007
Brookbank	208634	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	ser-ank- malachite shear	0.007
Brookbank	208635	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	Quartz-ankerite stringer(s) in ser-ank shear wth black metallic xtals to 1cm	0.0025
Brookbank	208636	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	Quartz-ankerite stringer(s)	0.012
Brookbank	208637	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	Quartz-ankerite stringer(s)	0.0025
Brookbank	208638	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	k-sil-ank 40% Quartz-ankerite stringer(s)	0.013
Brookbank	208639	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	k-ser-sil(massive) 10% Quartz-ankerite stringer(s) frac con	0.0025
Brookbank	208640	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	k-sil-ser-ank rock k stringers Quartz-ankerite stringer(s)	0.006
Brookbank	208641	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	massive k-sil-ser w/ Quartz-ankerite stringer(s) with specularite	0.006
Brookbank	208642	Grab	NAD83 16N	5507381	440485		GPS	M. Tremblay	01/09/2016	qv in old pit with 5% py cpy	0.195

Brookbank	208643	Grab	NAD83 16N	5507381	440485		GPS	M. Tremblay	01/09/2016	vuggy qv +1% py	0.008
Brookbank	208644	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	loose mafic volcanics altd 1 cm Quartz-ankerite stringer(s) w/ hem xtals	0.0025
Brookbank	208646	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	lose mafic volcanics k-q stringers +2% py	0.0025
Brookbank	208647	Grab	NAD83 16N	5507382	440548		GPS	M. Tremblay	01/09/2016	mafic volcanics k-sil altd +5% py	0.01
Brookbank	208648	Grab	NAD83 16N	5507371	440566		GPS	M. Tremblay	01/09/2016	bull qtz at contact w ser mafic volcanics	0.0025
Brookbank	208649	Grab	NAD83 16N	5507371	440566		GPS	M. Tremblay	01/09/2016	Qbx-ank-ser -chl py to 5%	0.009
Brookbank	208650	Grab	NAD83 16N	5507371	440566		GPS	M. Tremblay	01/09/2016	Qbx-ank-ser -chl py w/ 2cm Quartz-ankerite stringer(s) @ 340deg	0.006
Brookbank	208651	Grab	NAD83 16N	5507371	440566		GPS	M. Tremblay	01/09/2016	composit vein Ncontact-q-k-py	0.016
Brookbank	208653	Grab	NAD83 16N	5507371	440566		GPS	M. Tremblay	01/09/2016	comp-vn-center dense fg laminated rusty fractures	0.0025
Brookbank	208654	Grab	NAD83 16N	5507371	440566		GPS	M. Tremblay	01/09/2016	comp-vn S contact Q-Ank k-ser mafic volcanics patches 1% py	0.007
Brookbank	208655	Grab	NAD83 16N	5507371	440566		GPS	M. Tremblay	01/09/2016	mafic volcanics footwall bx- q-ank/k-ank 3% py	0.0025
Brookbank	208656	Grab	NAD83 16N	5507371	440566		GPS	M. Tremblay	01/09/2016	FW mafic volcanics ank-k-sil-ser 2cm Quartz-ankerite stringer(s) 5% py	0.007
Brookbank	208657	Grab	NAD83 16N	5507371	440566		GPS	M. Tremblay	01/09/2016	mafic volcanics k-ser-sil 2mm hematite stringers 2% py	0.0025
Brookbank	208658	Grab	NAD83 16N	5507349	440582		GPS	M. Tremblay	01/09/2016	mafic volcanics k-Quartz-ankerite stringer(s) 5%py	0.0025
Brookbank	208659	Grab	NAD83 16N	5507349	440582		GPS	M. Tremblay	01/09/2016	mafic volcanics 10-20% k-Quartz-ankerite stringer(s) 2% py	0.0025
Brookbank	208661	Grab	NAD83 16N	5507349	440582		GPS	M. Tremblay	01/09/2016	sheared mafic volcanics k-ser-ank sil up to 20% py	0.013
Brookbank	208662	Grab	NAD83 16N	5507349	440582		GPS	M. Tremblay	01/09/2016	sheared mafic volcanics k-ser-ank sil up to 20% py	0.0025
Brookbank	208663	Grab	NAD83 16N	5507349	440582		GPS	M. Tremblay	01/09/2016	mafic volcanics 50% k&Quartz-ankerite stringer(s) uo to 5%py	0.0025
Brookbank	208664	Grab	NAD83 16N	5507349	440582		GPS	M. Tremblay	01/09/2016	3cm Quartz-ankerite stringer(s) 20% py. 105 AZ	0.005
Brookbank	208665	Grab	NAD83 16N	5507349	440582		GPS	M. Tremblay	01/09/2016	Quartz-ankerite stringer(s) in k-ser-ank mafic volcanics 3-5% sfg py	0.0025
Brookbank	208666	Grab	NAD83 16N	5507335	440587		GPS	M. Tremblay	01/09/2016	mafic volcanics sil-k conchoidal frac. 3% py	0.0025
Brookbank	208667	Grab	NAD83 16N	5507335	440587		GPS	M. Tremblay	01/09/2016	sheard mafic volcanics k-q-ankS w/ 20% py	0.0025
Brookbank	208668	Grab	NAD83 16N	5507674	441045		GPS	M. Tremblay	01/09/2016	greywacke ank altd	0.0025
Brookbank	208670	Grab	NAD83 16N	5507674	441045		GPS	M. Tremblay	01/09/2016	greywacke ser-ank schist 5% py Quartz-ankerite stringer(s) xcute & parallel	0.0025
Brookbank	208671	Grab	NAD83 16N	5507706	441069		GPS	M. Tremblay	01/09/2016	paper schist (siltstone) 3cm Quartz-ankerite stringer(s) boudin	0.021
Brookbank	208673	Grab	NAD83 16N	5507716	441112		GPS	M. Tremblay	01/09/2016	chliritic sed (siltstn) sil-ank 8mm frac con Quartz-ankerite stringer(s) w/ py	0.0025
Brookbank	208674	Grab	NAD83 16N	5507300	441494		GPS	M. Tremblay	01/09/2016	tr cpy	0.006
Brookbank	208675	Grab	NAD83 16N	5507294	441487		GPS	M. Tremblay	01/09/2016	chl schist 10% py in road bed	0.501
Brookbank	208676	Grab	NAD83 16N	5507278	441477		GPS	M. Tremblay	01/09/2016	banded qv in mafic volcanics 10% py in bands	4.61
Brookbank	208677	Grab	NAD83 16N	5507291	441501		GPS	M. Tremblay	01/09/2016	Q-K-ank-py vein	1.65
Brookbank	208678	Grab	NAD83 16N	5507291	441501		GPS	M. Tremblay	01/09/2016	mafic volcanics k-ser-ank-sil 20% py Quartz-ankerite stringer(s)	0.945
Brookbank	208680	Grab	NAD83 16N	5507278	441532		GPS	M. Tremblay	01/09/2016	Q-k-ank-chl vn 20% py cpy	0.173
Brookbank	208681	Grab	NAD83 16N	5507278	441532		GPS	M. Tremblay	01/09/2016	Q-K-ank vn 105AZ shear py in walls	0.442
Brookbank	208682	Grab	NAD83 16N	5507374	440313		GPS	M. Tremblay	01/09/2016	q-k-ank vn +10% py tr cpy galena/hem	2.77
Brookbank	208683	Grab	NAD83 16N	5507374	440313		GPS	M. Tremblay	01/09/2016	q-k-ank vn +10% py tr cpy galena/hem	1.41
Brookbank	208684	Grab	NAD83 16N	5507374	440313		GPS	M. Tremblay	01/09/2016	mafic volcanics sil-hem-k-ank Quartz-ankerite stringer(s) calcite stringers hematite stringers 3% fg disseminated pyrite	0.007
Brookbank	208685	Grab	NAD83 16N	5507374	440313		GPS	M. Tremblay	01/09/2016	banded mafic volcanics sil-k-ank-hem?Quartz-ankerite stringer(s) calcite stringers 3% disseminated pyrite	0.006
Brookbank	208687	Grab	NAD83 16N	5507374	440313		GPS	M. Tremblay	01/09/2016	banded mafic volcanics sil-k-ank-hem?Quartz-ankerite stringer(s) calcite stringers +1% py	0.0025

Brookbank	208688	Grab	NAD83 16N	5507374	440313		GPS	M. Tremblay	01/09/2016	Q-K-ank vn 20% py etc	0.006
Brookbank	208689	Grab	NAD83 16N	5507382	440318		GPS	M. Tremblay	01/09/2016	mafic volcanics sil-chl-ank 2% sfg disseminated pyrite	0.0025
Brookbank	208690	Grab	NAD83 16N	5507382	440318		GPS	M. Tremblay	01/09/2016	mafic volcanics sil-k-ank w/ kS 2% py	0.0025
Brookbank	208691	Grab	NAD83 16N	5507382	440318		GPS	M. Tremblay	01/09/2016	mafic volcanics sil-k-ank w/ kS 5% py	0.0025
Brookbank	208692	Grab	NAD83 16N	5507382	440318		GPS	M. Tremblay	01/09/2016	mafic volcanics sil-k-ser-ank 3% py tr hem	0.0025
Brookbank	208693	Grab	NAD83 16N	5507382	440318		GPS	M. Tremblay	01/09/2016	mafic volcanics sil-k-ank-ser kS kpyS hem-py stringers	0.0025
Brookbank	208694	Grab	NAD83 16N	5507382	440318		GPS	M. Tremblay	01/09/2016	mafic volcanics sil-k-ank 5% py 20% kS w/ 20% py	0.0025
Brookbank	208696	Grab	NAD83 16N	5507382	440318		GPS	M. Tremblay	01/09/2016	mafic volcanics sil 50% Quartz-ankerite stringer(s) w/ 5% py	0.0025
Brookbank	208697	Grab	NAD83 16N	5507382	440318		GPS	M. Tremblay	01/09/2016	mafic volcanics sil-k-ank 3% calcite stringers 10% k-ankS w/ 5% py	0.007
Brookbank	208698	Grab	NAD83 16N	5507358	440291		GPS	M. Tremblay	01/09/2016	quartz-ankerite vein in road bed	0.225
Brookbank	208699	Grab	NAD83 16N	5507356	440296		GPS	M. Tremblay	01/09/2016	quartz-ankerite vein IN SER-ANK-CHL mafic volcanics FLOAT in 3% py	0.022
Brookbank	208700	Grab	NAD83 16N	5507198	439902		GPS	M. Tremblay	01/09/2016	Q-K-Ank-py vn in road bed	0.048
Brookbank	208701	Grab	NAD83 16N	5507190	439886		GPS	M. Tremblay	01/09/2016	Q-K-chl vn 5% py in situ in rd bed	0.705
Brookbank	208702	Grab	NAD83 16N	5507238	440145		GPS	M. Tremblay	01/09/2016	Q-K ser-chl +20% py loose in rd Coord assumed to be same as B-09-27	0.112
Brookbank	276001	Grab	NAD83 16N	5507319	440042	338	GPS	R. Kovisto	25/09/2016	Mafic Volcanics; Qtz vein in vfg gy-grn tholeiitic basalt. Gossanous. Malachite stn. Dendritic manganese 3-5% S. py gn cpy aspy	1.26
Brookbank	276002	Grab	NAD83 16N	5507182	439645	324	GPS	R. Kovisto	25/09/2016	cubes(euhedral)	0.043
Brookbank	276003	Grab	NAD83 16N	5507178	439656	327	GPS	R. Kovisto	25/09/2016	Mafic Volcanics; vfg gy-grn tholeiitic basalt. Gossanous >1% py po	0.0025
Brookbank	276004	Grab	NAD83 16N	5506986	439634	334	GPS	R. Kovisto	25/09/2016	Mafic Volcanics; 5-10 cm Qtz vein in mafic volcanics. Weakly magnetic >1% py; Epidote alt	0.0025
Brookbank	276005	Grab	NAD83 16N	5506970	439641	331	GPS	R. Kovisto	25/09/2016	Mafic Volcanics; Mafic volcanics. Gossanous. Specular hematite 1-2% S. Pyrite arsenopyrite; Carb and K-spar alt	0.115
Brookbank	276006	Grab	NAD83 16N	5506927	439671	331	GPS	R. Kovisto	25/09/2016	Mafic Volcanics; Multiple Qtz-carb veins in mafic volcanics. Gossanous. Local rubble 2-3% S. Pyrite galena arsenopyrite; Carb and K-spar alt	0.064
Brookbank	276007	Grab	NAD83 16N	5506944	439613	337	GPS	R. Kovisto	25/09/2016	Mafic Volcanics; Gossanous tholeiitic basalt. 3-5% pyrite; Epidote Qtz-carb alt	0.008
Brookbank	276008	Grab	NAD83 16N	5506852	439595	343	GPS	R. Kovisto	25/09/2016	Mafic Volcanics; vfg gy-grn mafic volcanics. 1-2% S. Pyrite <1% chalcopyrite; Epidote K-spar alt	0.0025
Brookbank	276009	Grab	NAD83 16N	5506772	439641	356	GPS	R. Kovisto	25/09/2016	Mafic Volcanics; Qtz-carb veins in mafics. Gossanous 1-2% S. Pyrite arsenopyrite; Epidote K-spar silica alt	0.0025
Brookbank	276010	Grab	NAD83 16N	5506772	439641	356	GPS	R. Kovisto	25/09/2016	Mafic Volcanics; Qtz-carb veins in mafics. Gossanous 1-2% pyrite; Epidote K-spar silica alt	0.01
Brookbank	276011	Grab	NAD83 16N	5507227	439826	332	GPS	R. Kovisto	26/09/2016	Mafic Volcanics; vfg grn-gy tholeiitic basalt. Gossanous >1% disseminated pyrite; Epidote alt	0.0025
Brookbank	276012	Grab	NAD83 16N	5507231	439832	331	GPS	R. Kovisto	26/09/2016	Epidote alt	0.0025
Brookbank	276013	Grab	NAD83 16N	5507207	439815	337	GPS	R. Kovisto	26/09/2016	Mafic Volcanics; Qtz-carb in mafic volcanics. Gossanous. Specular hematite 5%+ vfg-fg disseminated pyrite	0.118
Brookbank	276014	Grab	NAD83 16N	5507208	439816	337	GPS	R. Kovisto	26/09/2016	Mafic Volcanics; Qtz-carb in mafic volcanics. Gossanous. 5%+ vfg-fg disseminated pyrite arsenopyrite	0.154
Brookbank	276015	Grab	NAD83 16N	5507212	439817	338	GPS	R. Kovisto	26/09/2016	Mafic Volcanics; 25cm Qtz vein in gossanous mafics. Local float 2-3% pyrite	0.038
Brookbank	276016	Grab	NAD83 16N	5507078	439802	338	GPS	R. Kovisto	26/09/2016	Mafic Volcanics; vfg gy-grn mafic volcanics. <1% pyrite; Epidote alt	0.0025
Brookbank	276017	Grab	NAD83 16N	5507027	439803	331	GPS	R. Kovisto	26/09/2016	Mafic Volcanics; fg gy-grn mafic volcanics <1% pyrite; K-spar alt	0.0025

Brookbank	276018	Grab	NAD83 16N	5506868	439745	338	GPS	R. Kovisto	26/09/2016	spar alt	0.0025
Brookbank	276019	Grab	NAD83 16N	5506798	439791	353	GPS	R. Kovisto	26/09/2016	Mafic Volcanics; 25 cm qtz-carb vein in vfg gy-grn mafic volcanics. Poss old pit	0.238
Brookbank	276020	Grab	NAD83 16N	5506853	439781	345	GPS	R. Kovisto	26/09/2016	3-5% fg disseminated pyrite arsenopyrite; qtz-carb flooded alt	3.51
Brookbank	276021	Grab	NAD83 16N	5506984	440097	345	GPS	R. Kovisto	26/09/2016	Mafic Volcanics; Gossanous qtz-carb vein. Local rubble in trench 10%+ pyrite	0.005
Brookbank	276022	Grab	NAD83 16N	5507110	440022	350	GPS	R. Kovisto	26/09/2016	Mafic Volcanics; vfg gy-grn mafic volcanics. <1% pyrite; Epidote carb alt alt	0.0025
Brookbank	276023	Grab	NAD83 16N	5506934	440199	356	GPS	R. Kovisto	27/09/2016	Mafic Volcanics; vfg grn-gy mafic volcanics <=1% disseminated pyrite	0.026
Brookbank	276024	Grab	NAD83 16N	5506934	440199	356	GPS	R. Kovisto	27/09/2016	Mafic Volcanics; Gossanous 40 cm qtz-carb vein in sheared vfg grn mafics <1% pyrite; K-spar alt	0.0025
Brookbank	276026	Grab	NAD83 16N	5506944	440234	365	GPS	R. Kovisto	27/09/2016	carb alt	3.03
Brookbank	276027	Grab	NAD83 16N	5506896	440259	376	GPS	R. Kovisto	27/09/2016	Mafic Volcanics; rusty qtz-carb in sheared vfg grn mafic volcanics 1-2% vfg pyrite; K-spar alt	0.009
Brookbank	276028	Grab	NAD83 16N	5506874	440285	366	GPS	R. Kovisto	27/09/2016	Mafic Volcanics; 5-10 cm qtz vein in sheared fg grn-gy mafic volcanics >1% pyrite; Chlorite alt	0.335
Brookbank	276029	Grab	NAD83 16N	5507064	440412	351	GPS	R. Kovisto	27/09/2016	Mafic Volcanics; 10cm + qtz vein in mafics. Gossanous. Local rubble 2-3% pyrite; K-spar alt	0.496
Brookbank	276030	Grab	NAD83 16N	5507064	440412	351	GPS	R. Kovisto	27/09/2016	Mafic Volcanics; 5-10cm qtz vein in fg gy-grn mafic volcanics 2-3% fg disseminated pyrite in wall rock	0.057
Brookbank	276031	Grab	NAD83 16N	5507085	440484	360	GPS	R. Kovisto	27/09/2016	Mafic Volcanics; Qtz-carb veins in mafics. Gossanous 2-3% disseminated pyrite. Arsenopyrite	0.148
Brookbank	276032	Grab	NAD83 16N	5507561	441318	326	GPS	R. Kovisto	28/09/2016	Mafic Volcanics; Qtz-carb vein in mafics. Gossanous 3-5% pyrite; K-spar alt	0.007
Brookbank	276033	Grab	NAD83 16N	5507557	441312	329	GPS	R. Kovisto	28/09/2016	carb alt	0.362
Brookbank	276034	Grab	NAD83 16N	5507439	441518	345	GPS	R. Kovisto	28/09/2016	Mafic Volcanics; Gossanous 10cm + qtz-carb vein in sheared mafic volcanics 5-10% Pyrite; Qtz-carb alt	0.017
Brookbank	276035	Grab	NAD83 16N	5507429	441530	349	GPS	R. Kovisto	28/09/2016	Mafic Volcanics; 30cm + Qtz-carb vein in vfg gy-grn mafic volcanics Gossanous 3-5% S. Py cpy moly; Qtz-carb alt	0.005
Brookbank	276036	Grab	NAD83 16N	5507276	441471	339	GPS	R. Kovisto	28/09/2016	Mafic Volcanics; Qtz-carb veinlets in vfg grn-gy mafics. Local breccia 1% pyrite. Molybdenite; Qtz-carb alt	1.47
Brookbank	276037	Grab	NAD83 16N	5507238	441434	328	GPS	R. Kovisto	28/09/2016	Mafic Volcanics; Qtz-carb in grn-gy mafic volcanics 2-3% py. Gn/Acanthite?. Local stylolitic fracturing; Qtz-carb alt	0.011
Brookbank	276038	Grab	NAD83 16N	5507234	441427	332	GPS	R. Kovisto	28/09/2016	Mafic Volcanics; Sheared vfg grn-gy mafic volcanics. 1cm red clay/rust seam. Gossanous 1% pyrite seam. Magnetics	0.006
Brookbank	276039	Grab	NAD83 16N	5507211	441656	326	GPS	R. Kovisto	28/09/2016	Mafic Volcanics; Gossanous qtz-carb pod in vfg grn-gy mafic volcanics <1% pyrite in wall rock; Qtz-carb alt	0.005
Brookbank	276040	Grab	NAD83 16N	5507221	441658	330	GPS	R. Kovisto	28/09/2016	Mafic Volcanics; Gossanous pyrite seam in sheared gy-grn mafic volcanics. Breccia in rubble nearby 2-3% pyrite	0.0025
Brookbank	276041	Grab	NAD83 16N	5507222	441658	331	GPS	R. Kovisto	28/09/2016	Mafic Volcanics; Qtz flooded sheared mafics. Cherty <1% disseminated pyrite; K-spar Sil alt	0.0025
Brookbank	276042	Grab	NAD83 16N	5507314	441787	322	GPS	R. Kovisto	28/09/2016	Mafic Volcanics; Qtz flooded sheared mafics. Gossanous. Cherty >1% S. Chalcopyrite pyrite; Sil alt	0.069

Brookbank	276043	Grab	NAD83 16N	5507305	441795	325	GPS	R. Kovisto	28/09/2016	Mafic Volcanics; Sheared vfg gy-grn mafics. Weakly magnetic. Qtz-carb veinlets 1-2% disseminated pyrite; Hem alt	0.013
Brookbank	276044	Grab	NAD83 16N	5507413	441833	335	GPS	R. Kovisto	28/09/2016	Mafic Volcanics; Sheared vfg grn-gy mafics with qz-carb alteration Trace pyrite; Qtz-carb alt	0.0025
Brookbank	276045	Grab	NAD83 16N	5507438	441800	337	GPS	R. Kovisto	28/09/2016	Mafic Volcanics; Sheared vfg grn-gy mafic volcanics. Local rubble 1% pyrite. <1% chalcopyrite; Qtz-carb alt	0.0025
Brookbank	276046	Grab	NAD83 16N	5507362	440061	333	GPS	R. Kovisto	29/09/2016	Mafic Volcanics; vfg gy-grn mafic volcanics. Amygdules w Qtz 1-2% pyrite; Epidote K-spar alt	0.0025
Brookbank	276047	Grab	NAD83 16N	5507320	440047	338	GPS	R. Kovisto	29/09/2016	Mafic Volcanics; 1m+ Qtz vein in vfg grn-gy basalt. Gossanous 5% S. Cpy py gn (near S#276001..more cpy less gn)	1.06
Brookbank	276048	Grab	NAD83 16N	5507317	440030	338	GPS	R. Kovisto	29/09/2016	Mafic Volcanics; 2m+ Qtz vein in grn-gy basalt. Gossanous 2-3% disseminated py. <1% gn. Trace cpy	0.154
Brookbank	276049	Grab	NAD83 16N	5507316	440032	336	GPS	R. Kovisto	29/09/2016	Mafic Volcanics; 1m from S#276048. 2m+ Qtz vein in grn-gy basalt. Gossanous 3-5% pyrite <1% galena.; K-spar alt	0.201
Brookbank	276051	Grab	NAD83 16N	5507319	440026	338	GPS	R. Kovisto	29/09/2016	galena.	0.228
Brookbank	276052	Grab	NAD83 16N	5507314	440025	332	GPS	R. Kovisto	29/09/2016	Mafic Volcanics; Qtz vein in grn-gy basalt. Gossanous 2-3% pyrite. Trace galena.; K-spar alt	0.119
Brookbank	276053	Grab	NAD83 16N	5507283	439968	335	GPS	R. Kovisto	29/09/2016	Mafic Volcanics; vfg grn-gy magnetic basalt. Gossanous. >=1% py po. Disseminated and in blebs	0.0025
Brookbank	276054	Grab	NAD83 16N	5507193	439876	332	GPS	R. Kovisto	29/09/2016	Mafic Volcanics; 30cm + Qtz vein in vfg grn-gy mafic volcanics. Serracite >10% galena 1-2% py; K-spar alt	1.56
Brookbank	276055	Grab	NAD83 16N	5507179	439874	333	GPS	R. Kovisto	29/09/2016	Mafic Volcanics; Gossanous Qtz-carb pod in vfg grn-gy mafic volcanics 2-3% py in wall rock	0.18
Brookbank	276056	Grab	NAD83 16N	5507189	439879	333	GPS	R. Kovisto	29/09/2016	Mafic Volcanics; Qtz-carb vein in vfg grn-gy mafic volcanics 2-3% disseminated py; K-spar alt	0.438
Brookbank	276057	Grab	NAD83 16N	5507271	440065	328	GPS	R. Kovisto	29/09/2016	disseminated py	0.13
Brookbank	276058	Grab	NAD83 16N	5507231	440135	333	GPS	R. Kovisto	29/09/2016	Mafic Volcanics; Carbonate shear zone in vfg grn mafics. Qtz veinlets. Gossanous 1-2% py	0.01
Brookbank	276059	Grab	NAD83 16N	5507232	440127	328	GPS	R. Kovisto	29/09/2016	py	0.009
Brookbank	276060	Grab	NAD83 16N	5507233	440126	331	GPS	R. Kovisto	29/09/2016	Mafic Volcanics; Qtz in sheared vfg grn-gy mafic volcanics 1-2% py	1.37
Brookbank	276061	Grab	NAD83 16N	5507384	440351	337	GPS	R. Kovisto	29/09/2016	Mafic Volcanics; Qtz-carb flooded mafic volcanics. Gossanous. Beside carbonate shear 1% py	0.024
Brookbank	276062	Grab	NAD83 16N	5507405	440373	339	GPS	R. Kovisto	29/09/2016	Mafic Volcanics; Qtz-carb zone. Gossanous 2-3% py	0.39
Brookbank	276063	Grab	NAD83 16N	5507421	440402	327	GPS	R. Kovisto	30/09/2016	Mafic Volcanics; Qtz-carb vein in sheared vfg mafic volcanics. Gossanous 1-2% py; K-spar alt	0.06
Brookbank	276064	Grab	NAD83 16N	5507399	440369	341	GPS	R. Kovisto	30/09/2016	Mafic Volcanics; Rusty Qtz-carb flooded mafic volcanics >=1% py	0.132
Brookbank	276065	Grab	NAD83 16N	5507374	440456	345	GPS	R. Kovisto	30/09/2016	spar alt	0.307
Brookbank	276066	Grab	NAD83 16N	5507358	440320	333	GPS	R. Kovisto	30/09/2016	Mafic Volcanics; 5cm gossanous Qtz vein in vfg grn-gy mafic volcanics 1% py. Trace gn; K-spar alt	0.009
Brookbank	276067	Grab	NAD83 16N	5507224	439976	337	GPS	R. Kovisto	30/09/2016	Mafic Volcanics; Qtz in vfg grn-gy mafic volcanics. Sheared >1% py. Trace gn	0.083

Brookbank	276068	Grab	NAD83 16N	5506986	439456	334	GPS	R. Kovisto	30/09/2016	Mafic Volcanics; vfg grn-gy mafic volcanics. Weakly magnetic. Weak gossan <1% pyr. Slight malachite staining; Epidote alt	0.0025
Brookbank	276069	Grab	NAD83 16N	5506788	439542	343	GPS	R. Kovisto	30/09/2016	Mafic Volcanics; vfg blue-grn mafic volcanics. Magnetic. Gossanous 1-2% py blebs and seams; Epidote. Local carb alt alt	0.012
Brookbank	276070	Grab	NAD83 16N	5507228	440369	361	GPS	R. Kovisto	01/10/2016	Mafic Volcanics; Grn-gy mafic volcanics. Qtz-carb veinlets. Specular hematite. Magnetic 1-2% disseminated py. <1% cpy; Epidote Qtz-carb alt	0.022
Brookbank	276071	Grab	NAD83 16N	5507244	440857	356	GPS	R. Kovisto	01/10/2016	Mafic Volcanics; fg gy-grn mafic volcanics. Non-magnetic. <1% py disseminated and in blebs; Epidote alt	0.0025
Brookbank	276072	Grab	NAD83 16N	5507203	440831	350	GPS	R. Kovisto	01/10/2016	Mafic Volcanics; .5m-3.5m rusty qtz vein in vfg grn-gy mafic volcanics. Wall rock S side of vein (10% qtz) 5-10% py aspy	0.041
Brookbank	276073	Grab	NAD83 16N	5507203	440831	350	GPS	R. Kovisto	01/10/2016	Mafic Volcanics; .5m-3.5m rusty qtz vein in vfg grn-gy mafic volcanics. Qtz abutting S# 276072 1-2% py aspy	0.143
Brookbank	276074	Grab	NAD83 16N	5507202	440831	350	GPS	R. Kovisto	01/10/2016	Mafic Volcanics; .5m-3.5m rusty qtz vein in vfg grn-gy mafic volcanics. Wall rock N side of vein (10% qtz) 2-3% pyr aspy	1.15
Brookbank	276076	Grab	NAD83 16N	5507142	440764	361	GPS	R. Kovisto	01/10/2016	py gn	1.54
Brookbank	276077	Grab	NAD83 16N	5507168	440786	359	GPS	R. Kovisto	01/10/2016	Mafic Volcanics; .5m-3.5m rusty qtz vein in vfg grn-gy mafic volcanics. 3-5% py aspy <1% gn	0.451
Brookbank	276078	Grab	NAD83 16N	5507182	440806	354	GPS	R. Kovisto	01/10/2016	py aspy	0.118
Brookbank	276079	Grab	NAD83 16N	5507235	440867	368	GPS	R. Kovisto	01/10/2016	Mafic Volcanics; .5m-3.5m rusty qtz vein in vfg grn-gy mafic volcanics. Qtz + 30% wall rock 2-3% disseminated py in wall rock/seams	0.776
Brookbank	276080	Grab	NAD83 16N	5507240	440876	364	GPS	R. Kovisto	01/10/2016	Mafic Volcanics; .5m-3.5m rusty qtz vein in vfg grn-gy mafic volcanics. 2-3% disseminated + seams py aspy; K-spar alt	0.105
Brookbank	276081	Grab	NAD83 16N	5507426	441569	348	GPS	R. Kovisto	02/10/2016	Mafic Volcanics; Qtz-carb in mafic volcanics. Bleached. Specular hematite+ py in veins <=1% py	0.005
Brookbank	276082	Grab	NAD83 16N	5507395	441592	343	GPS	R. Kovisto	02/10/2016	Mafic Volcanics; Gossanous qtz-carb in grn-gy mafic volcanics (40% qtz) Specular hematite 1-2% py	0.014
Brookbank	276083	Grab	NAD83 16N	5507385	441493	346	GPS	R. Kovisto	02/10/2016	Mafic Volcanics; Qtz-carb veinlets in vfg grn-gy mafic volcanics. Gossanous 2-3% py aspy?	0.076
Brookbank	276084	Grab	NAD83 16N	5507373	441480	337	GPS	R. Kovisto	02/10/2016	Mafic Volcanics; Semi-massive sulphides in extremely gossanous mafic volcanics. Ferrocrete+ qtz vein Semi-massive py; K-spar Hem alt	0.108
Brookbank	276085	Grab	NAD83 16N	5507357	441464	331	GPS	R. Kovisto	02/10/2016	Mafic Volcanics; Gossanous qtz-carb vein in ffg grn-gy mafic volcanics 3-5% py aspy; K-spar alt	0.206
Brookbank	276086	Grab	NAD83 16N	5507306	441374	347	GPS	R. Kovisto	02/10/2016	Mafic Volcanics; Gossanous qtz-carb vein in vfg gy-grn mafic volcanics. Magnetic 5-10% py; K-spar alt	0.486
Brookbank	276087	Grab	NAD83 16N	5507300	441368	339	GPS	R. Kovisto	02/10/2016	Mafic Volcanics; Qtz-carb flooded wall rock (mafic volcanics) beside S# 267086 2-3% py aspy; K-spar alt	0.04
Brookbank	276088	Grab	NAD83 16N	5507299	441355	346	GPS	R. Kovisto	02/10/2016	spar alt	1.16
Brookbank	276089	Grab	NAD83 16N	5507119	441288	349	GPS	R. Kovisto	02/10/2016	Felsic dike; Vfg light grn felsic dyke (Aplite). Minor qtz <1% disseminated py	0.007
Brookbank	276090	Grab	NAD83 16N	5507250	440274	341	GPS	R. Kovisto	03/10/2016	Mafic Volcanics; vfg blue-grn tholeiitic basalt. Minor gossan. <1% py in seams; Epidote alt	0.0025

Brookbank	276091	Grab	NAD83 16N	5507083	439858	331	GPS	R. Kovisto	03/10/2016	Mafic Volcanics; vfg grn-gy mafic volcanics. Magnetic. Minor gossan 1% py pyo disseminated and blebs; Epidote alt	0.005
Brookbank	276092	Grab	NAD83 16N	5506982	439704	340	GPS	R. Kovisto	03/10/2016	Mafic Volcanics; Cg gy-grn mafic volcanics. Weakly magnetic <1% py pyo disseminated and blebs (interstitial)	0.0025
Brookbank	276093	Grab	NAD83 16N	5506726	439684	366	GPS	R. Kovisto	03/10/2016	Mafic Volcanics; Sheared vfg tan (aplite) volcanics beside mafics with a series of parallel 1-2cm qtz veins Trace py; Chlorite alt	0.009
Brookbank	276094	Grab	NAD83 16N	5506743	439712	352	GPS	R. Kovisto	03/10/2016	Mafic Volcanics; vfg grn-gy sheared mafic volcanics. Minor gossan. Qtz-carb veinlets. Folding 1% py	0.064
Brookbank	276095	Grab	NAD83 16N	5507329	440048	329	GPS	R. Kovisto	03/10/2016	Mafic Volcanics; Qtz-carb in mafic volcanics. Gossan 2-3% py aspy; K-spar alt	0.234
Brookbank	276096	Grab	NAD83 16N	5507011	440283	357	GPS	R. Kovisto	04/10/2016	alt	0.011
Brookbank	276097	Grab	NAD83 16N	5507056	440751	366	GPS	R. Kovisto	04/10/2016	Mafic Volcanics; Fg grn-gy mafic volcanics. Magnetic. Qtz-carb veinlets. Weak gossan 1-2% py pyo; Epidote seams Qtz-carb alt	0.007
Brookbank	276098	Grab	NAD83 16N	5507088	440809	362	GPS	R. Kovisto	04/10/2016	Mafic Volcanics; Grn-gy mafic volcanics. Magnetic. Weak gossan <1% py pyo disseminated and in seams	0.0025
Brookbank	276099	Grab	NAD83 16N	5507035	440556	363	GPS	R. Kovisto	04/10/2016	Mafic Volcanics; Grn-gy mafic volcanics. Magnetic. Weak gossan <1% py	0.0025
Brookbank	276101	Grab	NAD83 16N	5507100	440666	370	GPS	R. Kovisto	04/10/2016	Mafic Volcanics; Fg grn-gy sheared mafic volcanics. Qtz-carb veinlets. Weak gossan. Chip across 2m <1% py; Qtz-carb alt	0.006
Brookbank	276102	Grab	NAD83 16N	5507297	440591	363	GPS	R. Kovisto	04/10/2016	Mafic Volcanics; Qtz-carb vein in vfg sheared mafic volcanics. Gossan. Chlorite Trace py; Epidote and chlorite alt	0.015
Brookbank	276103	Grab	NAD83 16N	5507285	440130	333	GPS	R. Kovisto	04/10/2016	Mafic Volcanics; Fg grn-gy mafic volcanics. Weakly magnetic. Weak gossan >1% py disseminated and in seams	0.0025
Brookbank	276104	Grab	NAD83 16N	5507456	441845	333	GPS	R. Kovisto	05/10/2016	MV/SEDS?; Sheared fissile gossanous grn mafic volcanics? Minor qtz-carb veinlets Trace py; Qtz-carb alt	0.0025
Brookbank	276105	Grab	NAD83 16N	5507469	441851	335	GPS	R. Kovisto	05/10/2016	MV/SEDS?; Carbonatised mafics? Mg gy-grn. Minor qtz-carb veinlets Trace vfg py; Qtz-carb alt	0.005
Brookbank	276106	Grab	NAD83 16N	5507482	441879	328	GPS	R. Kovisto	05/10/2016	MV/SEDS?; Qtz-carb vein in vfg sheared grn-gy mafics. Gossanous Folded. Mult veins in area <1% py; Qtz-carb alt	0.005
Brookbank	276107	Grab	NAD83 16N	5507485	441879	330	GPS	R. Kovisto	05/10/2016	MV/SEDS?; Sheared folded grn-gy mafic volcanics. Chlorite. 1% py cpy. Malachite stain; Qtz-carb alt	0.007
Brookbank	276108	Grab	NAD83 16N	5507452	441800	332	GPS	R. Kovisto	05/10/2016	MV/SEDS?; Sheared vfg grn-gy mafic volcanics?Gossanous. Qtz-carb veinlets <1% py (seams); Qtz-carb alt	0.018
Brookbank	276109	Grab	NAD83 16N	5507455	441739	334	GPS	R. Kovisto	05/10/2016	MV/SEDS?; fg grn-gy mafic volcanics? Qtz-carb veinlets. Carb flooded <1% disseminated py; Qtz-carb alt	0.0025
Brookbank	276110	Grab	NAD83 16N	5507455	441739	333	GPS	R. Kovisto	05/10/2016	MV/SEDS?; vfg grn cherty qtz-carb zone. Gossanous <1% vfg disseminated py; Qtz-carb alt	0.0025
Brookbank	276111	Grab	NAD83 16N	5507439	441559	332	GPS	R. Kovisto	05/10/2016	Mafic Volcanics; Qtz-carb flooded mafics. Gossanous Trace py; Qtz-carb alt	0.0025
Brookbank	276112	Grab	NAD83 16N	5507452	441537	333	GPS	R. Kovisto	05/10/2016	carb alt	0.0025
Brookbank	276113	Grab	NAD83 16N	5507403	441502	345	GPS	R. Kovisto	05/10/2016	Mafic Volcanics; 30cm qtz-carb vein in sheared fg grn-gy mafics. Gossan. 1-2% py; Qtz-carb alt	0.102
Brookbank	276114	Grab	NAD83 16N	5506902	440385	374	GPS	R. Kovisto	06/10/2016	Mafic Volcanics; Sheared grn-gy fg mafic volcanics. Folded. Qtz-carb veinlets. Weak gossan Trace py; Qtz-carb alt	0.0025

Brookbank	276115	Grab	NAD83 16N	5507030	440315	354	GPS	R. Kovisto	06/10/2016	Mafic Volcanics; Sheared vfg grn-gy mafic volcanics. Calcite veinlets. Magnetic <1% py	0.0025
Brookbank	276116	Grab	NAD83 16N	5507028	440240	348	GPS	R. Kovisto	06/10/2016	Mafic Volcanics; Mg grn-gy mafic volcanics. Magnetic. Gossanous <1% vfg py	0.0025
Brookbank	276117	Grab	NAD83 16N	5507014	440157	346	GPS	R. Kovisto	06/10/2016	Mafic Volcanics; Cg grn-gy mafic volcanics. Weakly magnetic. Weak gossan. Minor Qtz-carb <=1% py; Qtz-carb alt	0.0025
Brookbank	276118	Grab	NAD83 16N	5507007	440141	344	GPS	R. Kovisto	06/10/2016	Mafic Volcanics; Qtz-carb veinlets in fg grn-gy mafics. Minor gossan. Magnetic 1% py cpy po (disseminated and in seams); Epidote K-spar alt	0.0025
Brookbank	276119	Grab	NAD83 16N	5506877	440075	363	GPS	R. Kovisto	06/10/2016	Mafic Volcanics; Sheared gossanous fg grn-gy mafics. Qtz-carb veinlets. Serracite. Chip across 30cm 1% py; Qtz-carb alt	0.149
Brookbank	276120	Grab	NAD83 16N	5506909	440107	359	GPS	R. Kovisto	06/10/2016	Mafic Volcanics; Gossanous sheared mafic volcanics. Qtz-carb veinlets. Specular hematite. Rubble 1% py; Qtz-carb alt	0.01
Brookbank	276121	Grab	NAD83 16N	5507261	439874	331	GPS	R. Kovisto	06/10/2016	Mafic Volcanics; Fg grn-gy mafic volcanics. Magnetic. Qtz-carb veinlets. Strong Epidote alteration 1% mineralization (py cpy gn); Qtz-carb alt	0.0025

Appendix E: Assays



Date Submitted: 14-Sep-16
Invoice No.: A16-09328
Invoice Date: 27-Oct-16
Your Reference: Geraldton

Greenstone Gold Mines GP Inc.
135 Hardrock Road
Geraldton ON P0T 1M0
Canada

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

91 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-09328**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

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

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with some loops and flourishes.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 14-Sep-16
Invoice No.: A16-09328
Invoice Date: 27-Oct-16
Your Reference: Geraldton

Greenstone Gold Mines GP Inc.
135 Hardrock Road
Geraldton ON P0T 1M0
Canada

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

91 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-50-Geraldton Au - Fire Assay AA

REPORT **A16-09328**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

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



CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé".

Emmanuel Esemé , Ph.D.
Quality Control

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

Results

Activation Laboratories Ltd.

Report: A16-09328

Analyte Symbol	Au	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppb	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	5	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
208601	57	6.40	0.2	1	< 100	104	< 1	< 0.1	6.60	0.1	11	36.1	75	142	5.3	6.54	1.5	1.50	4.9	1.1	3.50	2.3	44.4
208603	16	4.16	0.2	1	< 100	49	< 1	0.1	1.70	0.1	8	25.1	51	164	1.1	5.18	0.8	0.28	3.6	1.0	3.42	1.4	25.5
208604	19	4.17	0.1	< 1	< 100	110	< 1	0.2	8.29	0.1	12	31.4	55	27.8	5.0	7.44	1.0	1.55	5.5	1.0	1.39	1.6	42.8
208605	< 5	2.49	< 0.1	< 1	< 100	17	< 1	0.1	0.42	< 0.1	1	15.6	38	4.3	0.8	2.19	0.3	0.12	0.6	0.6	2.18	0.4	9.7
208606	10	5.85	0.1	2	< 100	155	< 1	0.2	4.92	0.1	12	45.8	105	60.5	6.4	7.66	1.6	1.73	5.6	3.2	2.14	2.1	53.4
208607	74	3.24	0.6	1	< 100	52	< 1	< 0.1	2.18	< 0.1	4	19.0	53	90.3	2.3	3.79	0.6	0.54	2.0	1.0	1.98	0.9	24.7
208608	72	0.05	4.8	< 1	100	2	< 1	10.7	0.12	< 0.1	< 1	0.6	46	32.7	0.4	1.03	< 0.1	< 0.01	< 0.1	0.4	0.021	< 0.1	1.2
208609	18	5.69	1.0	3	< 100	40	< 1	0.2	5.59	0.1	26	42.3	16	201	1.0	11.7	3.4	0.25	12.7	0.7	5.02	2.2	16.2
208611	16	6.10	0.5	< 1	< 100	44	< 1	0.4	3.28	0.1	29	56.6	15	245	0.3	10.9	3.8	0.05	13.8	0.5	5.64	2.4	18.0
208612	10	7.05	0.3	< 1	< 100	216	< 1	0.2	5.46	< 0.1	7	43.0	173	88.1	16.3	7.71	0.9	3.68	3.1	9.6	0.051	1.5	92.6
208613	7	4.70	0.2	< 1	< 100	138	< 1	0.2	8.05	< 0.1	4	29.6	138	135	12.5	6.47	0.9	0.91	1.5	3.5	0.039	1.8	78.0
208614	25	0.22	< 0.1	< 1	< 100	111	< 1	< 0.1	0.32	< 0.1	< 1	1.4	52	1.9	0.6	0.90	< 0.1	0.06	0.2	0.6	0.044	< 0.1	2.8
208615	7	7.21	0.6	1	< 100	201	< 1	0.3	6.44	< 0.1	5	49.8	148	101	12.4	8.33	0.7	3.11	2.4	8.2	0.060	1.2	126
208616	< 5	7.40	0.3	< 1	< 100	200	< 1	0.3	3.93	< 0.1	7	49.5	156	134	10.1	8.74	0.9	3.10	3.0	11.5	0.054	0.8	109
208617	57	4.89	0.2	1	< 100	81	< 1	0.1	6.14	0.1	9	31.4	44	71.4	4.2	6.26	1.1	1.12	4.0	1.0	2.82	1.6	35.1
208619	9	5.38	0.2	< 1	< 100	42	< 1	0.2	2.04	0.1	24	36.0	15	144	0.6	10.9	3.3	0.12	11.6	0.4	4.67	0.5	11.6
208620	47	7.53	0.2	2	< 100	219	< 1	0.2	3.02	0.1	14	49.3	80	63.9	8.5	8.92	2.1	2.61	6.1	6.8	2.47	3.0	66.2
208621	12	5.28	0.2	2	< 100	128	< 1	0.6	0.51	< 0.1	2	41.7	94	47.6	6.4	5.36	0.6	2.13	0.9	9.5	0.049	0.7	105
208622	6	5.39	0.1	2	< 100	89	< 1	0.1	7.77	< 0.1	11	48.0	58	99.9	10.3	7.30	1.5	1.95	5.2	5.3	1.42	1.4	49.2
208623	< 5	5.43	0.6	3	< 100	79	< 1	0.1	8.39	< 0.1	12	45.3	66	126	11.5	6.92	1.6	1.30	5.5	7.1	1.08	2.0	50.6
208624	11	5.80	0.4	2	< 100	92	< 1	0.2	7.12	< 0.1	12	52.4	57	163	11.2	7.64	1.7	2.03	5.7	6.7	1.62	1.7	53.9
208625	12	1.56	0.3	5	< 100	23	< 1	0.4	3.51	< 0.1	4	24.4	40	51.6	2.0	3.27	0.4	0.36	1.9	4.3	0.302	0.5	24.0
208626	8	5.74	0.2	< 1	< 100	96	< 1	0.1	7.59	< 0.1	12	35.0	58	118	12.8	7.35	1.7	2.31	5.9	5.4	1.26	1.4	48.9
208627	8	5.64	0.2	2	< 100	110	< 1	< 0.1	7.32	< 0.1	12	44.5	53	105	13.1	7.38	1.8	2.44	5.5	4.5	1.03	2.1	55.4
208628	8	3.79	0.2	3	< 100	74	< 1	< 0.1	5.76	< 0.1	8	26.9	45	68.7	9.0	6.16	0.9	1.66	3.9	2.9	0.481	0.5	36.4
208629	5	5.62	0.1	2	< 100	94	< 1	< 0.1	8.41	< 0.1	12	41.0	50	111	12.4	7.17	1.7	2.20	6.0	7.3	1.05	2.0	47.2
208630	< 5	6.16	0.1	3	< 100	165	< 1	< 0.1	7.22	< 0.1	11	42.8	54	128	18.0	7.24	1.5	3.27	5.3	3.1	0.177	0.4	48.8
208631	8	5.11	0.1	1	< 100	109	< 1	< 0.1	7.61	< 0.1	11	35.1	49	57.1	12.7	6.62	1.2	1.70	5.3	4.8	0.576	0.1	48.3
208632	9	3.83	0.5	2	< 100	76	< 1	< 0.1	5.11	< 0.1	6	31.8	62	94.8	9.5	5.52	1.2	1.73	2.8	2.8	0.665	2.0	36.9
208633	< 5	2.77	0.3	2	< 100	50	< 1	< 0.1	6.50	< 0.1	7	25.6	34	73.8	5.0	4.52	0.6	0.97	3.1	1.8	0.732	0.9	32.7
208634	7	6.54	0.6	< 1	< 100	111	< 1	0.2	4.98	0.2	11	15.7	71	> 10000	14.3	8.40	1.9	2.65	5.3	1.6	0.984	2.1	33.5
208635	< 5	2.62	0.3	< 1	< 100	69	< 1	< 0.1	1.66	< 0.1	5	10.0	42	301	7.1	18.3	0.6	1.11	2.6	0.8	0.161	< 0.1	22.0
208636	12	2.34	0.2	3	< 100	60	< 1	< 0.1	5.25	< 0.1	8	37.6	30	270	5.2	5.35	0.5	1.03	3.6	0.9	0.299	0.7	43.6
208637	< 5	1.71	0.1	< 1	< 100	40	< 1	< 0.1	4.32	< 0.1	6	15.0	33	29.8	3.9	3.78	0.3	0.76	2.9	0.8	0.221	0.5	18.8
208638	13	4.58	0.1	5	< 100	84	< 1	< 0.1	6.29	< 0.1	9	31.4	49	55.9	11.3	5.81	1.2	2.14	4.1	4.5	0.277	1.1	40.8
208639	< 5	4.59	0.1	1	< 100	85	< 1	< 0.1	5.51	< 0.1	11	26.3	56	43.8	11.5	5.01	1.2	2.12	5.1	5.9	0.323	0.6	35.6
208640	6	5.49	0.5	3	< 100	92	< 1	< 0.1	8.16	< 0.1	12	35.2	50	103	12.4	7.62	1.5	2.16	5.5	7.4	0.644	2.0	45.8
208641	6	3.40	0.3	< 1	< 100	76	< 1	< 0.1	4.47	0.1	8	23.6	42	38.2	9.6	5.13	0.9	1.65	4.0	2.2	0.260	< 0.1	29.6
208642	195	0.07	63.2	7	300	5	< 1	64.8	0.13	0.4	< 1	1.0	31	1780	0.4	1.05	< 0.1	0.02	< 0.1	0.7	0.020	< 0.1	1.4
208643	8	0.26	4.0	< 1	< 100	4	< 1	1.1	2.88	< 0.1	< 1	5.1	32	21.6	0.6	0.94	< 0.1	0.04	0.3	1.9	0.021	< 0.1	8.7
208644	< 5	5.62	0.9	< 1	< 100	98	< 1	0.1	7.01	< 0.1	10	23.5	62	62.5	12.5	6.02	1.5	2.24	4.8	5.9	0.086	< 0.1	43.1
208646	< 5	5.76	0.4	1	< 100	115	< 1	0.1	9.86	< 0.1	12	31.2	50	80.5	11.7	6.94	1.4	2.36	5.5	11.8	0.324	< 0.1	45.3
208647	10	6.10	0.3	2	< 100	105	< 1	0.5	4.74	< 0.1	12	76.9	60	36.3	10.2	7.63	1.7	2.08	5.6	16.3	0.916	1.9	77.9
208648	< 5	0.97	0.2	< 1	< 100	27	< 1	< 0.1	0.16	< 0.1	< 1	2.8	41	2.0	2.2	0.95	0.1	0.47	0.1	0.9	0.022	< 0.1	9.4
208649	9	3.83	0.2	2	< 100	87	< 1	0.3	4.66	< 0.1	6	35.0	65	11.8	7.1	4.44	1.0	1.67	2.8	11.9	0.110	1.6	52.9
208650	6	5.79	0.5	3	< 100	146	< 1	0.3	1.86	0.1	9	49.7	77	17.5	10.3	6.44	1.8	2.43	4.2	11.6	0.373	2.5	62.2
208651	16	1.49	0.3	2	< 100	17	< 1	0.1	3.05	< 0.1	2	11.7	33	3.0	1.2	1.89	0.3	0.27	1.2	8.4	0.689	0.3	10.7
208653	< 5	0.37	0.2	2	< 100	4	< 1	0.3	0.42	< 0.1	< 1	10.2	38	3.1	0.6	1.31	0.1	0.04	0.4	3.2	0.054	< 0.1	7.6

Results

Activation Laboratories Ltd.

Report: A16-09328

Analyte Symbol	Au	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppb	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	5	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
208654	7	1.49	0.1	1	< 100	13	< 1	< 0.1	1.89	< 0.1	3	9.2	30	4.8	1.0	1.63	0.2	0.18	1.4	4.7	0.730	0.3	7.8
208655	< 5	4.02	0.1	1	< 100	102	< 1	0.1	6.37	< 0.1	6	30.9	48	14.4	6.7	4.43	1.0	1.63	3.0	9.9	0.100	1.6	44.1
208656	7	6.47	0.1	< 1	< 100	145	< 1	0.4	4.82	< 0.1	16	65.8	77	67.3	11.1	8.02	2.2	2.17	7.7	9.2	1.67	2.0	67.9
208657	< 5	6.44	< 0.1	< 1	< 100	144	< 1	< 0.1	7.52	< 0.1	12	35.8	59	115	11.0	6.95	1.7	2.53	5.7	5.8	0.442	0.2	50.7
208658	< 5	6.11	0.5	< 1	< 100	224	< 1	< 0.1	6.27	< 0.1	12	42.8	60	57.7	8.7	9.01	1.6	1.50	5.6	3.2	2.90	2.0	56.9
208659	< 5	6.40	0.3	< 1	< 100	96	< 1	0.1	5.55	0.1	13	47.0	58	107	8.1	7.75	1.5	1.39	6.2	7.7	3.04	1.0	56.8
208661	< 5	5.77	0.2	1	< 100	88	< 1	0.1	6.44	< 0.1	11	38.7	53	65.4	7.3	6.83	1.6	1.42	5.3	1.5	3.14	2.2	48.7
208662	< 5	5.53	0.2	1	< 100	80	< 1	0.1	4.61	< 0.1	10	34.6	57	262	5.5	5.41	1.3	0.98	4.7	1.6	3.81	2.1	38.0
208663	< 5	6.76	0.3	5	< 100	129	< 1	< 0.1	5.67	0.1	13	40.8	62	79.3	11.2	8.35	1.6	2.27	6.1	2.9	2.30	1.6	59.9
208664	5	4.05	0.3	4	< 100	80	< 1	0.2	6.32	0.1	13	41.5	50	53.8	6.6	7.00	1.0	1.03	6.7	6.6	1.25	1.7	41.7
208665	< 5	3.50	0.5	1	< 100	92	< 1	0.1	4.82	< 0.1	12	30.9	42	70.8	6.4	4.83	0.8	1.02	6.9	3.5	1.22	1.2	30.0
208666	< 5	6.19	0.3	< 1	100	52	< 1	0.1	6.25	< 0.1	14	42.7	53	108	3.4	8.25	1.8	0.65	6.7	8.4	3.51	0.5	47.3
208667	< 5	6.08	0.2	2	< 100	181	< 1	0.1	5.14	< 0.1	18	53.4	34	128	10.2	9.75	2.5	2.31	8.5	7.1	1.05	0.3	38.4
208668	< 5	6.84	0.1	19	< 100	372	< 1	0.3	1.50	< 0.1	45	14.6	96	34.8	2.4	3.47	2.9	0.99	25.8	13.8	3.76	< 0.1	46.4
208670	< 5	4.73	0.2	25	200	108	< 1	< 0.1	8.97	0.1	29	39.7	169	141	0.9	5.78	1.6	0.18	12.3	64.4	1.28	3.6	21.4
208671	21	6.69	0.1	136	< 100	677	1	0.2	0.62	< 0.1	41	19.2	103	31.7	6.3	5.24	2.0	1.43	23.9	7.3	0.205	< 0.1	55.6
208673	< 5	7.59	0.2	15	< 100	650	1	0.2	1.56	< 0.1	50	17.7	110	19.9	3.8	4.35	3.5	1.47	28.7	20.4	3.40	2.9	57.9
208674	6	6.37	0.1	2	< 100	146	< 1	< 0.1	6.31	< 0.1	12	59.4	77	112	7.8	9.90	0.7	2.61	4.6	12.4	0.164	< 0.1	98.1
208675	501	4.13	1.2	26	700	76	< 1	0.6	0.03	0.3	3	58.5	45	414	2.2	11.0	3.2	1.86	1.1	14.6	0.087	4.1	75.4
208676	4610	3.10	13.9	3	> 2000	117	< 1	1.3	2.76	0.5	5	21.4	57	1050	0.6	5.16	0.6	0.17	2.2	6.0	1.75	1.6	34.9
208677	1650	0.57	2.6	< 1	> 2000	78	< 1	0.3	6.44	0.3	7	16.6	21	20.2	0.9	6.01	0.2	0.26	2.6	0.8	0.018	0.2	12.7
208678	945	4.83	0.9	3	1200	90	< 1	0.6	8.94	0.3	22	52.4	14	291	7.0	11.9	1.9	2.31	9.0	2.3	0.119	0.2	24.6
208680	173	3.17	0.5	< 1	200	83	< 1	0.2	4.22	< 0.1	6	46.4	41	29.0	4.1	6.96	0.9	0.68	2.6	22.3	0.652	1.3	44.5
208681	442	1.96	0.6	4	600	63	< 1	0.3	3.45	0.1	5	33.0	30	19.6	2.6	4.10	0.9	0.90	2.2	3.8	0.041	1.6	21.8
208682	2770	2.21	> 100	1	> 2000	25	< 1	48.4	1.96	0.3	5	24.2	68	67.2	2.5	4.21	0.5	0.28	1.9	8.4	1.53	0.9	20.9
208683	1410	0.79	> 100	3	1600	36	< 1	63.1	0.36	0.2	2	12.5	84	33.3	1.0	2.94	0.2	0.08	0.6	0.6	0.544	0.2	9.5
208684	7	5.52	5.1	2	700	206	< 1	0.5	6.26	< 0.1	11	37.7	64	66.5	5.6	7.22	1.6	0.67	5.2	3.4	4.13	2.2	42.3
208685	6	5.88	0.9	< 1	< 100	316	< 1	0.3	4.55	0.1	13	41.1	66	121	6.6	7.46	1.8	0.85	6.0	5.8	4.39	0.9	47.4
208687	< 5	5.13	0.5	5	< 100	78	< 1	0.2	4.92	0.1	10	33.7	78	20.7	6.4	5.31	1.8	0.99	4.5	3.6	4.54	3.1	47.1
208688	6	3.31	0.5	1	< 100	34	< 1	0.7	2.20	< 0.1	10	41.5	92	74.7	3.2	4.94	1.4	0.38	4.6	1.7	2.41	3.2	28.9
208689	< 5	6.53	0.3	< 1	< 100	99	< 1	0.7	3.28	< 0.1	13	51.3	79	143	5.7	7.99	1.8	0.68	6.1	11.9	4.32	2.3	64.0
208690	< 5	6.17	0.2	< 1	< 100	50	< 1	0.2	5.61	< 0.1	12	39.0	53	53.6	4.1	7.22	1.2	0.49	5.8	7.3	4.14	< 0.1	54.3
208691	< 5	5.90	0.3	2	< 100	61	< 1	0.2	6.28	< 0.1	11	41.0	57	42.9	3.5	7.19	1.5	0.42	5.4	3.1	4.63	1.5	51.3
208692	< 5	5.96	0.2	1	< 100	320	< 1	0.3	6.35	0.1	12	45.2	60	13.4	4.2	7.10	1.6	0.64	5.6	1.3	4.58	1.6	57.7
208693	< 5	6.05	0.2	1	< 100	1090	< 1	0.2	6.42	< 0.1	13	36.3	54	56.0	3.1	5.77	1.5	0.37	6.5	1.1	5.05	1.6	45.4
208694	< 5	5.90	0.6	1	< 100	341	< 1	0.3	6.70	< 0.1	12	43.4	52	67.9	2.4	6.84	1.6	0.29	5.6	1.7	4.77	1.1	55.3
208696	< 5	5.84	0.5	< 1	< 100	194	< 1	0.3	4.92	0.1	13	45.1	60	43.0	4.4	8.51	1.4	0.52	6.8	1.6	4.73	1.0	45.3
208697	7	5.55	0.6	1	< 100	280	< 1	0.2	6.90	0.1	12	38.6	61	133	2.5	6.39	1.6	0.32	5.6	7.8	4.64	0.9	45.8
208698	225	1.86	2.2	3	400	100	< 1	2.5	0.04	< 0.1	3	18.2	67	11.6	5.4	3.88	0.5	1.10	1.2	2.0	0.032	0.6	11.0
208699	22	1.78	27.6	2	< 100	44	< 1	32.2	3.72	< 0.1	4	17.5	58	96.4	5.0	2.93	0.4	0.69	1.8	2.3	0.422	0.5	17.2
208700	49	0.84	4.4	< 1	< 100	59	< 1	1.3	1.09	0.1	2	17.6	81	25.0	1.1	2.61	0.2	0.83	1.1	1.3	0.076	0.3	10.8
208701	705	2.27	5.5	3	> 2000	49	< 1	2.0	10.5	0.3	11	29.0	36	40.9	1.6	6.06	0.6	0.75	5.5	6.9	0.639	0.9	22.8
208702	112	2.31	3.8	3	200	35	< 1	2.1	2.15	0.4	5	37.0	65	89.8	7.6	5.30	0.7	1.13	1.5	6.6	0.374	1.0	32.1

Results

Activation Laboratories Ltd.

Report: A16-09328

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
208601	0.033	72.1	3.4	< 1	1.91	1390	0.5	1.6	33	0.6	130	0.1	0.7	0.479	0.50	0.2	218	3.2	8.5	62	61.0
208603	0.024	14.2	2.8	< 1	0.37	955	1.7	1.4	19	0.1	44	< 0.1	0.4	0.262	0.08	0.1	58	5.0	6.0	35	32.2
208604	0.114	73.4	3.6	< 1	2.15	2150	1.5	1.3	28	0.3	132	< 0.1	0.5	0.309	0.49	0.1	185	2.3	10.0	78	42.4
208605	0.002	6.8	0.9	< 1	0.09	425	0.6	0.5	5	< 0.1	19	< 0.1	0.2	0.094	< 0.05	< 0.1	22	1.0	1.9	10	12.3
208606	0.017	88.6	4.1	1	1.36	1620	2.0	1.1	33	0.4	79	0.1	0.7	0.458	0.63	0.2	215	1.8	8.7	82	66.0
208607	0.008	30.5	1.9	< 1	0.40	933	1.0	0.9	16	0.1	39	< 0.1	0.3	0.199	0.19	< 0.1	96	3.4	4.9	36	24.9
208608	< 0.001	0.4	3.5	< 1	0.04	127	1.3	0.3	< 1	< 0.1	2	< 0.1	< 0.1	0.003	< 0.05	< 0.1	< 4	< 0.1	0.1	< 1	0.5
208609	0.067	10.1	4.5	< 1	1.51	1710	0.5	1.3	36	0.7	124	< 0.1	1.9	0.835	0.07	0.5	265	0.2	12.2	62	136
208611	0.059	1.5	6.0	2	0.66	2160	0.3	1.2	40	0.8	66	< 0.1	2.0	0.785	< 0.05	0.6	237	0.2	13.2	70	155
208612	0.018	220	1.7	< 1	1.61	878	3.8	0.4	40	0.2	48	< 0.1	0.3	0.547	1.53	0.1	305	1.1	10.3	102	36.8
208613	0.021	66.7	2.6	< 1	2.33	1250	8.3	1.6	26	0.2	92	0.1	0.2	0.404	1.20	< 0.1	208	1.4	7.7	72	31.7
208614	< 0.001	3.4	0.2	< 1	0.08	134	0.7	0.4	< 1	< 0.1	5	< 0.1	< 0.1	0.009	< 0.05	< 0.1	9	< 0.1	0.4	< 1	0.6
208615	0.018	133	2.2	< 1	2.62	1500	3.0	0.3	39	0.2	44	< 0.1	0.3	0.509	1.16	0.1	245	0.8	9.7	97	27.0
208616	0.016	133	1.7	< 1	3.14	1360	2.8	0.2	43	0.2	29	< 0.1	0.3	0.469	1.03	< 0.1	246	0.2	9.5	119	32.0
208617	0.016	58.6	3.2	< 1	1.83	1460	1.1	0.9	31	0.4	125	< 0.1	0.5	0.359	0.41	0.1	152	2.0	8.8	57	47.5
208619	0.043	5.7	4.3	< 1	0.30	1340	0.4	0.9	29	0.8	43	< 0.1	1.6	0.776	< 0.05	0.5	341	< 0.1	11.3	47	134
208620	0.046	114	5.1	1	1.12	1560	0.9	0.9	43	0.5	54	0.2	0.9	0.633	0.90	0.2	314	2.8	11.0	90	76.9
208621	0.002	97.1	3.0	1	2.28	451	5.3	0.7	21	0.4	5	< 0.1	0.1	0.235	0.70	0.1	221	2.9	2.4	68	22.0
208622	0.026	106	2.7	2	2.23	1400	4.9	0.7	31	0.3	97	< 0.1	0.7	0.433	0.75	0.2	173	0.3	10.0	56	62.4
208623	0.026	83.3	2.6	1	2.33	1380	2.9	1.6	31	0.4	100	< 0.1	0.8	0.459	0.83	0.2	179	1.0	11.7	60	65.2
208624	0.026	109	3.2	2	1.92	1330	4.3	0.9	32	0.4	87	< 0.1	0.8	0.474	0.81	0.2	208	0.4	11.3	55	66.2
208625	0.016	21.7	1.4	1	0.35	585	20.7	0.7	8	< 0.1	42	< 0.1	0.3	0.108	0.13	8.4	38	0.7	5.0	13	14.4
208626	0.027	124	2.7	< 1	2.19	1410	3.5	0.7	34	0.3	96	< 0.1	0.8	0.472	0.92	0.2	218	0.2	10.8	64	65.3
208627	0.030	134	2.5	< 1	2.36	1300	3.8	0.7	34	0.3	101	< 0.1	0.8	0.481	0.99	0.2	219	0.4	10.2	71	72.6
208628	0.021	89.9	1.5	< 1	1.39	1280	0.8	1.2	23	0.2	70	< 0.1	0.5	0.277	0.66	0.1	127	0.8	7.7	45	35.4
208629	0.028	122	2.4	< 1	2.33	1430	1.4	0.6	34	0.3	101	< 0.1	0.8	0.469	0.91	0.2	198	0.3	11.4	59	69.1
208630	0.030	188	2.3	< 1	2.32	1430	0.6	0.7	37	0.3	84	< 0.1	0.8	0.379	1.36	0.2	199	< 0.1	9.7	60	55.9
208631	0.024	90.2	2.0	< 1	2.35	1660	1.2	0.8	30	0.2	92	< 0.1	0.6	0.346	0.90	0.1	153	< 0.1	8.4	70	46.1
208632	0.017	85.5	1.8	< 1	1.36	1030	2.8	2.6	21	0.2	64	0.1	0.4	0.363	0.71	0.1	152	1.5	5.5	41	47.2
208633	0.046	52.9	1.2	< 1	1.33	1320	0.7	1.0	15	< 0.1	67	< 0.1	0.3	0.180	0.37	0.1	80	0.9	6.2	39	22.9
208634	0.026	151	1.5	< 1	1.22	988	0.5	0.4	35	0.4	67	< 0.1	0.8	0.519	1.20	0.2	255	0.4	8.0	73	80.3
208635	0.007	60.5	0.8	< 1	0.38	477	< 0.1	< 0.1	15	< 0.1	29	< 0.1	0.3	0.187	0.51	< 0.1	172	< 0.1	3.9	27	26.2
208636	0.022	54.5	1.7	< 1	1.27	1480	1.4	0.9	14	< 0.1	61	< 0.1	0.2	0.146	0.37	< 0.1	83	0.6	5.8	54	21.0
208637	0.013	40.6	0.9	< 1	1.00	1110	0.8	0.7	9	< 0.1	43	< 0.1	0.2	0.112	0.27	0.3	64	0.4	4.5	36	12.2
208638	0.023	111	1.6	< 1	1.69	1190	1.4	0.5	25	0.2	58	< 0.1	0.6	0.326	0.84	0.1	162	< 0.1	8.2	63	45.9
208639	0.017	119	2.8	< 1	1.38	1280	0.2	0.6	27	< 0.1	85	< 0.1	0.7	0.359	0.87	0.2	150	< 0.1	10.1	46	51.3
208640	0.024	124	2.1	< 1	1.94	1320	5.7	1.9	31	0.3	87	< 0.1	0.8	0.457	0.89	0.2	190	0.9	11.0	61	55.4
208641	0.011	95.6	5.5	< 1	1.51	1310	0.3	0.6	25	< 0.1	107	< 0.1	0.5	0.272	0.69	0.1	141	< 0.1	7.7	65	35.0
208642	< 0.001	0.9	> 5000	< 1	0.03	90	19.6	1.0	< 1	< 0.1	3	< 0.1	< 0.1	0.004	< 0.05	< 0.1	< 4	< 0.1	0.1	< 1	2.5
208643	< 0.001	2.7	34.4	< 1	0.23	263	3.9	0.3	< 1	< 0.1	8	< 0.1	< 0.1	0.013	< 0.05	< 0.1	8	0.2	1.2	4	1.3
208644	0.020	120	10.8	< 1	1.32	1060	1.7	0.2	29	< 0.1	154	< 0.1	0.8	0.398	0.97	0.2	225	< 0.1	11.6	44	61.1
208646	0.027	124	5.5	< 1	1.55	1110	0.3	0.5	34	0.2	190	< 0.1	0.7	0.383	0.92	0.2	211	< 0.1	15.0	43	53.3
208647	0.032	111	3.7	2	1.88	1000	0.4	0.6	35	0.5	73	< 0.1	0.9	0.522	0.78	0.2	205	0.2	12.9	49	65.0
208648	< 0.001	25.0	1.5	< 1	0.14	123	0.3	0.8	4	< 0.1	3	< 0.1	< 0.1	0.062	0.13	< 0.1	85	< 0.1	0.9	4	4.5
208649	< 0.001	102	2.3	< 1	0.87	789	0.7	1.6	19	0.3	37	< 0.1	0.4	0.319	0.64	0.1	219	3.3	6.6	38	39.8
208650	0.005	140	3.2	< 1	1.31	1270	0.9	1.1	27	0.6	19	0.2	0.8	0.465	0.92	0.2	329	3.3	8.4	61	69.0
208651	< 0.001	19.1	2.4	< 1	0.31	495	0.7	0.5	8	< 0.1	23	< 0.1	0.1	0.090	0.07	< 0.1	24	1.8	2.9	13	10.0
208653	0.004	3.1	0.8	< 1	0.13	178	0.7	0.8	3	< 0.1	6	< 0.1	< 0.1	0.046	< 0.05	< 0.1	12	0.5	1.2	4	5.3

Results

Activation Laboratories Ltd.

Report: A16-09328

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
208654	< 0.001	11.8	1.0	< 1	0.18	482	0.9	0.6	9	< 0.1	15	< 0.1	0.3	0.090	< 0.05	< 0.1	19	0.9	2.9	12	8.8
208655	0.002	90.5	1.2	< 1	1.30	939	0.5	1.1	24	0.3	54	< 0.1	0.5	0.262	0.62	0.1	154	3.2	8.6	47	38.6
208656	0.023	120	2.3	2	1.54	1580	0.3	0.7	45	0.5	43	< 0.1	1.0	0.593	0.85	0.3	271	0.7	12.9	89	85.9
208657	0.026	119	8.9	< 1	2.68	1230	1.2	0.2	38	< 0.1	119	< 0.1	0.8	0.365	1.02	0.2	214	< 0.1	9.2	100	63.4
208658	0.026	79.9	2.8	< 1	2.44	1950	0.8	0.4	35	0.2	108	0.1	0.8	0.467	0.60	0.2	214	0.5	10.0	110	63.6
208659	0.032	73.2	3.0	< 1	2.52	1620	0.4	0.4	36	0.5	77	< 0.1	0.9	0.438	0.55	0.2	190	< 0.1	11.9	101	57.2
208661	0.030	71.8	2.8	< 1	1.96	1380	1.9	1.1	33	0.3	79	0.1	0.7	0.463	0.52	0.2	194	0.9	11.4	60	60.1
208662	0.021	53.1	2.2	< 1	1.37	1430	2.6	1.6	26	0.4	75	0.1	0.6	0.407	0.39	0.2	133	1.3	10.1	46	54.0
208663	0.030	113	2.7	< 1	2.31	1560	1.2	0.6	38	0.3	99	< 0.1	0.9	0.481	0.87	0.2	228	0.1	9.5	96	68.3
208664	0.026	60.3	1.8	2	1.72	1470	1.3	1.2	23	0.2	67	0.1	0.5	0.319	0.43	0.1	142	0.7	11.7	73	42.6
208665	0.018	58.9	1.6	< 1	1.13	1500	1.5	1.1	19	0.2	58	< 0.1	0.4	0.246	0.44	0.1	110	0.6	11.8	47	30.5
208666	0.034	35.9	4.5	< 1	2.94	1440	0.8	0.3	35	0.3	92	< 0.1	1.0	0.522	0.24	0.2	230	< 0.1	13.1	101	75.8
208667	0.042	116	5.5	1	2.69	1310	1.3	0.3	35	0.5	88	< 0.1	1.3	0.519	1.32	0.3	247	< 0.1	11.7	142	102
208668	0.048	32.9	11.4	< 1	0.91	788	0.4	0.8	10	0.7	264	< 0.1	7.8	0.241	0.28	2.3	61	< 0.1	10.6	45	119
208670	0.046	7.0	3.0	< 1	7.86	1150	0.3	4.5	31	0.3	1120	0.2	1.1	0.254	< 0.05	0.5	65	0.4	5.9	75	70.4
208671	0.035	50.0	15.6	< 1	0.37	703	0.6	0.9	17	0.6	104	< 0.1	7.6	0.221	0.73	2.1	80	< 0.1	11.3	40	81.5
208673	0.070	49.9	14.2	< 1	1.49	682	0.9	1.7	13	0.7	281	< 0.1	8.2	0.345	0.36	2.2	85	< 0.1	9.6	71	143
208674	0.049	108	2.5	< 1	2.04	1750	< 0.1	0.3	40	0.4	60	< 0.1	0.4	0.329	0.82	< 0.1	149	< 0.1	13.5	116	21.5
208675	0.032	28.9	46.8	6	0.69	143	8.3	3.5	11	8.4	11	0.3	0.6	0.260	0.58	0.6	85	1.2	2.0	230	146
208676	0.023	5.9	440	3	0.37	649	12.4	1.1	19	0.2	78	< 0.1	0.2	0.467	< 0.05	< 0.1	122	32.9	7.8	180	23.2
208677	0.010	11.7	7.2	2	0.92	1720	38.2	1.4	6	< 0.1	67	< 0.1	< 0.1	0.078	0.07	< 0.1	33	7.8	9.7	38	9.7
208678	0.090	99.4	10.8	4	0.95	1970	0.6	0.2	33	0.2	85	< 0.1	1.3	0.598	0.76	0.5	140	11.9	17.6	70	76.7
208680	0.025	29.6	7.1	3	0.64	1110	4.1	1.6	18	0.4	64	< 0.1	0.1	0.396	0.23	< 0.1	101	7.1	11.7	25	32.5
208681	0.023	38.4	4.0	2	0.80	876	2.5	2.4	12	0.3	36	< 0.1	0.5	0.209	0.24	0.1	68	20.5	5.7	33	39.0
208682	0.010	17.1	448	4	0.28	447	6.1	2.2	9	< 0.1	55	< 0.1	0.2	0.133	0.11	0.2	37	1.3	5.2	19	21.5
208683	0.003	5.0	959	3	0.04	237	3.5	1.1	3	< 0.1	75	< 0.1	< 0.1	0.044	< 0.05	< 0.1	12	0.4	2.1	5	8.5
208684	0.028	45.4	10.4	< 1	2.22	1650	4.0	1.5	33	0.4	105	0.1	0.8	0.459	0.32	0.2	186	2.6	10.3	52	63.0
208685	0.029	55.1	5.3	1	1.59	1330	2.3	1.2	36	0.4	88	< 0.1	0.9	0.470	0.42	0.3	245	< 0.1	12.3	56	73.1
208687	0.034	46.2	6.8	< 1	0.82	1130	1.2	4.1	26	0.5	80	0.2	0.6	0.531	0.43	4.6	228	3.6	8.3	44	71.4
208688	0.040	25.1	9.1	3	0.35	677	1.2	3.1	28	0.3	42	0.2	0.6	0.430	0.17	0.9	65	8.3	12.6	21	59.5
208689	0.033	43.7	4.2	< 1	1.99	1530	2.7	1.4	39	0.5	63	< 0.1	0.8	0.557	0.34	0.7	257	0.3	9.8	119	70.0
208690	0.029	33.4	7.0	< 1	2.48	1580	0.2	0.6	35	0.2	101	< 0.1	0.7	0.332	0.24	0.2	161	< 0.1	10.2	99	46.0
208691	0.031	26.4	8.5	< 1	2.27	1850	0.5	1.5	35	0.3	104	< 0.1	0.7	0.474	0.19	0.2	206	0.2	11.0	61	56.9
208692	0.030	34.9	5.0	< 1	1.50	1780	0.2	2.1	34	0.4	131	< 0.1	0.8	0.473	0.28	0.2	217	0.9	10.5	61	63.7
208693	0.033	20.8	4.3	< 1	1.94	1620	0.8	1.8	35	0.4	134	< 0.1	0.8	0.464	0.16	0.2	198	0.4	9.7	47	60.8
208694	0.030	17.4	6.3	< 1	2.52	1860	1.1	1.4	34	0.4	135	< 0.1	0.9	0.466	0.13	0.2	198	0.1	9.8	63	67.8
208696	0.024	28.9	7.2	< 1	1.36	2350	0.5	2.4	33	0.3	98	< 0.1	0.7	0.468	0.24	0.2	254	< 0.1	13.2	59	57.8
208697	0.028	17.0	7.2	< 1	2.22	1770	0.6	0.9	32	0.3	134	< 0.1	0.7	0.441	0.13	0.2	194	< 0.1	10.2	58	60.1
208698	0.010	58.0	12.6	2	0.16	82	175	3.5	6	0.1	8	< 0.1	0.4	0.124	0.46	< 0.1	41	19.3	2.3	21	15.9
208699	0.010	42.9	2000	< 1	0.86	849	15.5	3.0	10	0.1	49	< 0.1	0.3	0.124	0.34	< 0.1	60	1.8	4.6	49	17.6
208700	< 0.001	29.3	45.9	2	0.21	206	119	0.8	2	< 0.1	17	< 0.1	0.1	0.071	0.30	< 0.1	15	1.4	1.9	12	9.2
208701	0.013	32.7	46.8	2	1.68	1690	1.9	3.8	13	0.3	129	< 0.1	0.3	0.165	0.29	0.1	92	23.1	13.6	93	24.8
208702	0.016	65.6	21.2	3	0.43	871	739	9.1	14	0.3	106	< 0.1	0.1	0.191	0.60	0.1	88	13.3	7.6	55	29.5

Analyte Symbol	Au	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppb	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	5	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-1 Meas		1.95	36.8	458	> 2000	709	< 1	1330	1.03	3.1	15	8.4	12	1240	2.9	27.0	0.4	0.04	8.1	7.1	0.041	0.3	41.2
GXR-1 Cert		3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0
GXR-1 Meas		2.39	35.9	427	> 2000	723	< 1	1310	0.98	2.9	15	9.5	16	1300	3.0	27.5	0.4	0.04	7.1	8.4	0.046	0.6	48.8
GXR-1 Cert		3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas		5.95	3.6	101	1000	94	2	16.6	0.97	0.3	96	12.7	41	5930	2.5	2.81	1.2	2.96	58.1	10.2	0.513	9.4	35.8
GXR-4 Cert		7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0
GXR-4 Meas		6.27	3.3	91	1100	117	2	17.3	0.92	0.4	99	13.6	53	6010	2.6	2.80	1.2	3.35	48.9	11.4	0.500	8.8	38.6
GXR-4 Cert		7.20	4.0	98.0	470	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0
SDC-1 Meas		7.37		< 1		644	3		1.06		81	17.9	46	30.1	4.0	4.63	1.3	2.55	41.2	31.9	1.51	0.3	33.1
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.00	1.52	21.00	38.0
SDC-1 Meas		7.71		< 1		616	2		0.92		79	17.4	61	31.1	4.1	4.39	1.0	2.01	35.0	36.1	1.44	0.1	35.0
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.00	1.52	21.00	38.0
GXR-6 Meas		11.6	0.3	258	100	1350	1	0.2	0.20	< 0.1	23	12.5	58	66.0	3.7	5.05	2.6	0.86	8.8	36.9	0.105	0.7	21.9
GXR-6 Cert		17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
GXR-6 Meas		12.0	< 0.1	207	100	1430	< 1	0.2	0.18	0.1	24	12.4	61	65.4	3.9	4.84	2.1	1.41	7.9	39.4	0.101	1.0	23.9
GXR-6 Cert		17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
DNC-1a Meas						105							55.3	188	108				4.0	4.4		1.6	257
DNC-1a Cert						118							57	270	100				3.6	5.2		3	247
DNC-1a Meas						105							54.7	211	96.7				3.3	4.5		1.6	263
DNC-1a Cert						118							57	270	100				3.6	5.2		3	247
OREAS 45d (Fire Assay) Meas					< 100																		
OREAS 45d (Fire Assay) Cert					23																		
OREAS203 Meas	853																						
OREAS203 Cert	871.000																						
OREAS203 Meas	853																						
OREAS203 Cert	871.000																						
OREAS203 Meas	891																						
OREAS203 Cert	871.000																						
SBC-1 Meas				24		554	3	0.6		0.3	93	21.7	68	36.2	7.9		3.2		49.7	152		9.4	82.2
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163.0		15.3	82.8
SBC-1 Meas				22		570	3	0.6		0.4	98	21.8	106	34.7	8.8		3.5		42.7	168		15.0	85.0
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163.0		15.3	82.8
OREAS 45d (4-Acid) Meas		7.20		7		183	< 1	0.3	0.19		34	28.7	470	363	3.9	14.5	3.1	0.39	17.3	20.3	0.090	0.2	225
OREAS 45d (4-Acid) Cert		8.150		13.80		183.0	0.79	0.31	0.185		37.20	29.50	549.0	371.0	3.910	14.520	3.830	0.412	16.9	21.50	0.101	14.50	231.0
SdAR-M2 (U.S.G.S.) Meas						976	6	1.0		5.5	85	14.0	62	250	1.8		4.0		40.9	17.6		4.9	53.6
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8
SdAR-M2 (U.S.G.S.) Meas						971	6	1.0		5.4	89	13.3	50	240	1.9		3.6		38.2	19.0		4.1	50.5
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8

Analyte Symbol	Au	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppb	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	5	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 251(FA-Anaster) Meas	514																						
OREAS 251(FA-Anaster) Cert	504																						
OREAS 251(FA-Anaster) Meas	476																						
OREAS 251(FA-Anaster) Cert	504																						
OREAS 251(FA-Anaster) Meas	498																						
OREAS 251(FA-Anaster) Cert	504																						
208612 Orig	13																						
208612 Dup	6																						
208614 Orig		0.21	0.1	< 1	< 100	111	< 1	< 0.1	0.32	< 0.1	< 1	1.4	53	2.3	0.6	0.87	< 0.1	0.06	0.2	0.6	0.044	< 0.1	2.6
208614 Dup		0.22	< 0.1	< 1	< 100	111	< 1	< 0.1	0.32	< 0.1	< 1	1.5	50	1.5	0.6	0.93	< 0.1	0.06	0.2	0.6	0.044	< 0.1	2.9
208623 Orig	5																						
208623 Dup	< 5																						
208633 Orig	7	2.88	0.3	1	< 100	51	< 1	< 0.1	6.60	< 0.1	7	25.8	35	73.3	5.1	4.58	0.6	0.98	3.1	1.9	0.734	0.9	32.6
208633 Dup	< 5	2.67	0.2	2	200	49	< 1	< 0.1	6.40	< 0.1	7	25.5	34	74.3	4.9	4.46	0.5	0.96	3.1	1.8	0.729	0.9	32.7
208649 Orig	9																						
208649 Dup	8																						
208655 Split Orig PREP DUP	< 5	4.02	0.1	1	< 100	102	< 1	0.1	6.37	< 0.1	6	30.9	48	14.4	6.7	4.43	1.0	1.63	3.0	9.9	0.100	1.6	44.1
208655 Split PREP DUP	< 5	4.24	0.1	1	< 100	109	< 1	0.1	6.46	< 0.1	7	33.0	49	12.7	7.3	4.39	0.9	1.69	3.2	10.3	0.099	1.5	44.8
208655 Orig		3.82	0.1	2	< 100	103	< 1	0.1	6.32	< 0.1	6	30.8	48	13.1	6.6	4.41	1.1	1.63	2.9	9.8	0.100	1.8	43.5
208655 Dup		4.22	0.1	1	< 100	102	< 1	0.1	6.41	< 0.1	7	31.0	48	15.8	6.8	4.45	0.9	1.64	3.1	10.0	0.100	1.4	44.7
208661 Orig	13																						
208661 Dup	< 5																						
208673 Orig	< 5																						
208673 Dup	< 5																						
208685 Orig		5.78	1.0	< 1	< 100	322	< 1	0.3	4.53	0.1	13	41.8	65	121	6.8	7.49	1.8	0.86	6.1	5.9	4.29	1.4	48.0
208685 Dup		5.97	0.9	< 1	< 100	310	< 1	0.2	4.58	0.1	13	40.5	68	121	6.5	7.43	1.8	0.84	6.0	5.7	4.48	0.3	46.8
208689 Orig	< 5	6.48	0.3	< 1	< 100	98	< 1	0.7	3.18	0.1	13	50.3	80	141	5.8	7.80	1.8	0.67	6.1	11.7	4.28	2.4	62.3
208689 Dup	< 5	6.58	0.3	< 1	< 100	101	< 1	0.7	3.37	< 0.1	13	52.3	79	146	5.7	8.18	1.8	0.69	6.1	12.1	4.36	2.3	65.6
208700 Orig	48																						
208700 Dup	49																						
Method Blank	< 5																						
Method Blank	10																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.01	0.2	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	0.3	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.002	< 0.1	0.1
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		< 0.01	0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-1 Meas	0.066	2.3	747	< 1	0.21	934	20.4	18.6	2	27.2	312	< 0.1	2.4	0.033	0.36	30.0	85	125	27.9	811	19.9
GXR-1 Cert	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0
GXR-1 Meas	0.073	2.8	746	< 1	0.22	971	21.2	25.2	2	30.7	339	< 0.1	2.4	0.032	0.37	30.1	102	131	31.2	830	21.6
GXR-1 Cert	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0
DH-1a Meas													838			2210					
DH-1a Cert													910			2629					
DH-1a Meas													811			2090					
DH-1a Cert													910			2629					
GXR-4 Meas	0.136	98.8	45.4	2	1.75	138	318	4.5	7	6.7	193	0.6	17.2	0.308	2.98	5.1	81	35.0	11.7	70	46.1
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186
GXR-4 Meas	0.145	126	48.9	2	1.57	150	334	4.2	7	7.6	208	0.5	17.7	0.292	3.12	5.2	90	34.4	12.5	68	43.3
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186
SDC-1 Meas	0.060	90.9	23.8		1.03	854		< 0.1	17	< 0.1	168	< 0.1	14.8	0.173	0.60	9.8	45	< 0.1		106	52.4
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00
SDC-1 Meas	0.064	98.4	23.2		0.95	796		< 0.1	14	0.4	178	< 0.1	11.1	0.246	0.59	2.5	56	< 0.1		99	40.5
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00
GXR-6 Meas	0.030	29.9	89.1	< 1	0.49	966	1.4	0.5	24	0.9	40	< 0.1	3.5		1.90	1.1	149	< 0.1	8.0	126	100
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110
GXR-6 Meas	0.032	47.7	93.3	< 1	0.49	939	0.6	0.7	22	0.8	38	< 0.1	3.7		1.96	1.1	122	< 0.1	9.2	121	75.5
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110
DNC-1a Meas		2.9	5.5					0.4	34		143			0.329			140		15.1	67	45.3
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
DNC-1a Meas		3.2	5.8					0.1	31		148			0.319			156		15.7	67	47.3
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
OREAS 45d (Fire Assay) Meas																					
OREAS 45d (Fire Assay) Cert																					
OREAS203 Meas																					
OREAS203 Cert																					
OREAS203 Meas																					
OREAS203 Cert																					
OREAS203 Meas																					
OREAS203 Cert																					
SBC-1 Meas		105	33.5				2.8	1.0	21	3.0	169	0.5	14.1	0.530	0.86	5.2	205	1.0	27.3	187	125
SBC-1 Cert		147	35.0				2.40	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186.0	134.0
SBC-1 Meas		125	34.9				2.1	1.0	19	3.6	181	0.8	15.0	0.535	0.88	5.2	229	1.5	29.7	193	134
SBC-1 Cert		147	35.0				2.40	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186.0	134.0
OREAS 45d (4-Acid) Meas	0.035	31.8	20.4	< 1	0.22	480	0.9	< 0.1	48	< 0.1	29	< 0.1	13.3	0.321	0.23	2.8	136	0.4	9.8	44	133
OREAS 45d (4-Acid) Cert	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
SdAR-M2 (U.S.G.S.) Meas		89.4	791				14.2		4		137	0.1	11.7			2.2	28	< 0.1	22.2	806	138
SdAR-M2 (U.S.G.S.) Cert		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259
SdAR-M2 (U.S.G.S.) Meas		102	762				11.8		4		140	< 0.1	12.5			2.2	26	0.1	23.5	751	125
SdAR-M2 (U.S.G.S.) Cert		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS																					
251(FA-Anaster)																					
Meas																					
OREAS																					
251(FA-Anaster) Cert																					
OREAS																					
251(FA-Anaster)																					
Meas																					
OREAS																					
251(FA-Anaster) Cert																					
208612 Orig																					
208612 Dup																					
208614 Orig	< 0.001	3.4	0.2	< 1	0.08	125	0.8	0.4	< 1	< 0.1	5	< 0.1	< 0.1	0.009	< 0.05	< 0.1	9	< 0.1	0.4	< 1	0.7
208614 Dup	0.001	3.4	0.1	< 1	0.08	143	0.7	0.4	< 1	< 0.1	5	< 0.1	< 0.1	0.009	< 0.05	< 0.1	9	< 0.1	0.4	< 1	0.6
208623 Orig																					
208623 Dup																					
208633 Orig	0.047	53.0	1.3	< 1	1.36	1340	0.7	1.0	15	0.2	69	< 0.1	0.3	0.183	0.38	0.1	81	1.0	6.2	39	22.9
208633 Dup	0.045	52.8	1.2	< 1	1.29	1300	0.7	1.0	15	< 0.1	65	< 0.1	0.3	0.178	0.36	0.1	80	0.8	6.2	39	22.9
208649 Orig																					
208649 Dup																					
208655 Split Orig	0.002	90.5	1.2	< 1	1.30	939	0.5	1.1	24	0.3	54	< 0.1	0.5	0.262	0.62	0.1	154	3.2	8.6	47	38.6
PREP DUP																					
208655 Split PREP	0.002	98.8	1.2	< 1	1.34	902	0.4	1.1	24	0.3	51	< 0.1	0.4	0.269	0.65	0.1	158	3.0	8.9	48	37.1
DUP																					
208655 Orig	0.002	86.3	1.3	< 1	1.29	947	0.7	1.1	23	0.3	54	0.1	0.5	0.260	0.61	0.1	153	3.5	8.5	46	41.5
208655 Dup	0.002	94.8	1.1	< 1	1.31	930	0.4	1.1	25	0.3	55	< 0.1	0.4	0.264	0.63	0.1	155	3.0	8.7	48	35.6
208661 Orig																					
208661 Dup																					
208673 Orig																					
208673 Dup																					
208685 Orig	0.029	55.0	5.4	1	1.56	1350	2.4	1.4	36	0.4	91	< 0.1	0.9	0.480	0.42	0.3	246	0.3	12.5	57	72.9
208685 Dup	0.029	55.1	5.2	1	1.62	1320	2.1	0.9	35	0.4	86	< 0.1	0.9	0.460	0.41	0.3	244	< 0.1	12.2	55	73.2
208689 Orig	0.033	43.8	4.1	< 1	1.98	1480	3.0	1.7	37	0.5	62	< 0.1	0.8	0.546	0.34	1.3	253	0.5	9.5	116	71.2
208689 Dup	0.033	43.6	4.3	< 1	2.00	1580	2.5	1.1	40	0.5	64	< 0.1	0.8	0.568	0.34	0.2	260	0.1	10.0	122	68.9
208700 Orig																					
208700 Dup																					
Method Blank																					
Method Blank																					
Method Blank																					
Method Blank																					
Method Blank																					
Method Blank	0.002	< 0.1	< 0.1	< 1	< 0.01	7	< 0.1	< 0.1	< 1	0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.2
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	10	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.6
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	4	0.2	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.5



Date Submitted: 30-Sep-16
Invoice No.: A16-10083
Invoice Date: 10-Nov-16
Your Reference: Geraldton

Greenstone Gold Mines GP Inc.
135 Hardrock Road
Geraldton ON P0T 1M0
Canada

ATTN: Tom Salmi(res)

CERTIFICATE OF ANALYSIS

31 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-10083**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

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

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with a large, stylized 'E' and 'S'.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 30-Sep-16
Invoice No.: A16-10083
Invoice Date: 10-Nov-16
Your Reference: Geraldton

Greenstone Gold Mines GP Inc.
135 Hardrock Road
Geraldton ON P0T 1M0
Canada

ATTN: Tom Salmi(res)

CERTIFICATE OF ANALYSIS

31 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-50-Geraldton Au - Fire Assay AA

REPORT **A16-10083**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

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



CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé".

Emmanuel Esemé , Ph.D.
Quality Control

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

Results

Activation Laboratories Ltd.

Report: A16-10083

Analyte Symbol	Au	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppb	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	5	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
276001	1260	0.15	59.2	3	1300	35	< 1	67.5	0.25	1.5	< 1	7.3	47	1210	0.6	2.30	< 0.1	0.13	0.1	0.3	0.036	0.1	5.2
276002	43	3.97	4.4	3	< 100	26	< 1	1.0	1.11	< 0.1	23	26.6	17	32.5	0.8	8.15	3.2	0.54	7.5	2.0	2.91	7.3	9.4
276003	< 5	5.23	0.9	3	100	318	< 1	0.2	2.36	< 0.1	33	42.0	9	136	2.1	10.3	1.4	0.46	13.4	10.1	1.72	0.2	12.1
276004	< 5	4.11	< 0.1	< 1	400	20	< 1	0.1	4.11	< 0.1	8	33.8	39	107	1.8	6.64	1.1	0.25	2.7	10.3	2.16	0.3	20.3
276005	115	5.65	0.3	< 1	< 100	53	< 1	0.1	4.13	< 0.1	9	30.5	25	152	2.2	8.00	1.4	0.69	3.4	2.1	4.22	0.6	31.6
276006	64	3.18	0.4	6	< 100	56	< 1	0.4	3.65	< 0.1	6	34.2	27	19.2	1.9	6.58	0.6	0.50	2.1	2.3	2.03	1.8	23.4
276007	8	4.24	0.6	7	< 100	13	< 1	1.0	5.57	5.4	10	62.2	100	664	0.3	14.4	1.2	0.05	4.0	7.4	0.257	3.3	63.5
276008	< 5	5.65	0.3	5	< 100	104	< 1	0.7	7.79	0.2	17	45.0	30	101	0.4	8.33	1.6	0.47	7.2	2.0	1.53	0.5	36.4
276009	< 5	6.91	0.6	2	< 100	127	< 1	0.3	4.36	< 0.1	27	12.9	41	25.5	2.6	3.93	2.4	0.69	12.4	5.6	3.26	8.4	15.7
276010	10	5.01	0.4	1	< 100	43	< 1	0.2	1.07	< 0.1	9	7.9	29	14.9	0.3	2.89	1.0	0.08	3.4	0.9	4.04	3.8	7.6
276011	< 5	4.94	0.4	< 1	< 100	111	< 1	0.8	3.66	0.2	27	39.9	17	111	1.3	11.1	2.7	1.01	10.9	5.2	2.62	0.4	13.7
276012	< 5	5.48	0.3	1	< 100	212	< 1	0.2	1.97	< 0.1	30	46.7	10	231	0.9	15.4	3.5	0.37	12.1	14.1	2.00	0.6	18.0
276013	118	4.06	1.3	7	200	40	< 1	2.3	2.50	< 0.1	24	46.7	7	46.7	0.7	10.2	3.3	0.31	7.9	1.0	3.66	7.5	16.1
276014	154	3.76	0.7	10	200	78	< 1	0.8	4.90	0.1	21	37.4	47	43.0	1.4	8.37	2.6	0.36	8.4	2.8	2.77	6.2	22.8
276015	38	2.43	0.4	8	< 100	48	< 1	0.8	1.41	< 0.1	3	21.5	51	12.5	1.1	2.98	0.2	0.23	1.4	1.2	1.82	0.8	25.7
276016	< 5	6.68	0.6	3	< 100	78	< 1	0.3	4.19	< 0.1	15	46.0	89	257	2.4	7.97	1.8	0.37	5.8	18.3	1.94	3.0	55.2
276017	< 5	6.64	0.4	< 1	< 100	60	< 1	< 0.1	4.81	< 0.1	9	37.7	60	123	4.2	7.69	1.0	0.89	3.3	15.8	1.80	0.2	35.7
276018	< 5	6.42	0.3	2	< 100	111	< 1	0.3	4.56	< 0.1	14	53.7	23	13.7	10.7	6.93	2.3	1.50	5.9	12.2	3.28	1.7	39.5
276019	238	4.00	0.6	2	200	45	< 1	0.5	4.86	< 0.1	7	27.2	21	19.9	1.1	4.47	0.9	0.21	2.9	4.5	2.71	2.1	27.0
276020	3540	0.73	2.1	5	> 2000	22	< 1	1.8	1.27	1.1	2	18.1	43	8.7	0.7	4.53	0.2	0.30	0.8	2.8	0.314	0.6	9.6
276021	5	5.69	0.6	2	< 100	27	< 1	1.1	11.9	0.1	17	72.6	17	29.2	0.5	9.47	1.4	0.16	7.7	4.5	0.176	2.7	36.9
276022	< 5	4.68	0.3	< 1	< 100	149	< 1	< 0.1	2.67	< 0.1	28	37.3	8	194	1.1	8.47	2.2	0.37	11.4	19.6	1.43	0.5	13.0
276023	26	3.04	0.2	3	100	85	< 1	< 0.1	6.44	0.2	3	10.9	115	11.6	0.8	4.54	0.4	0.13	0.9	0.8	2.39	1.0	41.7
276024	< 5	4.29	0.1	< 1	< 100	283	< 1	< 0.1	7.57	0.2	4	20.6	217	50.8	6.1	5.45	0.7	1.68	1.4	2.1	0.871	1.7	57.1
276025	> 5000	4.97	7.0	67	> 2000	32	< 1	2.4	1.22	12.8	31	9.2	27	1060	1.3	6.32	1.1	1.13	15.3	11.7	1.10	6.4	47.8
276026	3030	1.95	3.1	6	> 2000	232	< 1	1.5	0.26	< 0.1	9	20.0	29	22.5	12.1	4.82	0.6	0.62	1.8	16.7	0.023	1.3	15.7
276027	9	1.89	0.8	110	< 100	23	< 1	< 0.1	20.6	0.1	7	16.2	40	68.9	0.4	3.52	0.7	0.03	2.7	8.7	0.731	1.8	24.4
276028	335	2.38	1.4	100	400	132	< 1	0.8	2.24	0.3	5	71.7	44	61.3	1.8	3.39	0.5	0.92	1.7	2.2	0.088	1.1	22.4
276029	496	2.70	1.1	3	500	70	< 1	0.6	1.63	< 0.1	5	24.7	42	20.1	1.7	3.44	0.6	1.13	2.2	10.0	0.898	1.5	24.1
276030	58	4.66	0.7	< 1	100	126	< 1	0.3	3.25	0.1	28	31.6	10	48.2	2.2	7.65	2.5	0.38	11.3	0.8	3.30	0.6	10.4
276031	148	3.16	1.8	2	200	52	< 1	1.1	4.09	< 0.1	15	30.6	18	171	2.1	6.70	2.0	0.47	6.4	4.4	2.34	4.6	10.1

Results

Activation Laboratories Ltd.

Report: A16-10083

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au	
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.02	
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FA- GRA
276001	< 0.001	8.5	> 5000	2	0.02	143	6.9	1.1	< 1	< 0.1	36	< 0.1	< 0.1	0.010	0.09	< 0.1	< 4	1.5	0.4	< 1	2.7		
276002	0.038	29.6	54.0	5	1.16	539	132	0.6	31	0.7	60	0.4	1.9	0.655	0.21	0.6	199	2.3	24.2	83	173		
276003	0.055	34.3	19.6	< 1	1.78	1650	1.0	< 0.1	33	< 0.1	89	< 0.1	2.5	0.186	0.22	0.6	139	0.3	41.1	131	68.3		
276004	0.025	25.5	5.7	< 1	1.51	1110	0.3	0.7	25	< 0.1	92	< 0.1	0.4	0.364	0.10	< 0.1	166	0.4	12.1	43	59.3		
276005	0.029	47.9	8.3	2	1.10	1010	0.3	0.3	33	< 0.1	93	< 0.1	0.5	0.364	0.24	0.1	116	0.9	13.1	51	73.3		
276006	0.014	37.9	5.4	4	0.89	839	7.5	1.4	16	< 0.1	66	< 0.1	0.2	0.225	0.17	0.1	87	5.4	10.2	33	37.6		
276007	0.018	2.7	146	6	1.61	1510	9.3	2.1	26	5.4	223	0.1	0.7	0.363	< 0.05	0.2	165	1.2	14.3	238	60.8		
276008	0.024	18.1	10.4	< 1	1.89	1780	3.3	0.4	29	< 0.1	393	< 0.1	1.2	0.333	0.09	0.3	238	0.4	21.7	81	80.6		
276009	0.081	43.7	6.4	1	0.82	609	0.8	1.3	9	0.3	208	0.4	1.5	0.328	0.18	0.4	75	1.8	9.9	61	148		
276010	0.030	3.3	2.4	2	0.09	172	1.9	0.4	3	< 0.1	48	0.2	0.7	0.136	< 0.05	0.2	28	2.5	4.4	8	65.0		
276011	0.048	48.1	15.9	2	1.43	1250	1.0	< 0.1	31	1.0	110	< 0.1	1.9	0.354	0.34	0.5	245	0.4	33.6	129	155		
276012	0.050	19.6	5.9	< 1	2.04	1770	1.1	< 0.1	37	0.3	78	< 0.1	2.4	0.533	0.12	0.6	289	0.4	40.3	260	208		
276013	0.035	16.6	19.8	9	0.96	932	1.6	4.5	23	0.4	76	0.4	1.6	0.683	0.08	0.4	109	18.5	21.5	46	181		
276014	0.039	27.4	10.6	6	1.57	1220	0.6	3.8	23	0.5	118	0.3	1.6	0.535	0.12	0.5	146	25.7	14.6	67	134		
276015	0.018	18.0	8.8	2	0.44	467	1.5	0.8	6	< 0.1	28	< 0.1	0.1	0.107	0.06	0.1	40	5.2	3.4	22	11.3		
276016	0.028	19.1	2.6	< 1	3.43	1510	3.2	2.5	34	< 0.1	104	0.2	1.0	0.423	0.12	0.3	218	1.2	21.4	103	92.6		
276017	0.024	67.2	2.0	< 1	2.96	1300	0.3	< 0.1	39	< 0.1	169	< 0.1	0.4	0.218	0.39	< 0.1	159	0.3	19.8	86	51.0		
276018	0.030	136	2.6	2	0.98	884	0.3	0.5	26	< 0.1	36	< 0.1	1.3	0.467	0.72	0.3	169	1.8	13.8	66	133		
276019	0.012	15.8	3.8	3	0.76	618	15.5	2.0	15	< 0.1	50	< 0.1	0.5	0.222	< 0.05	0.2	61	17.8	7.8	31	49.0		
276020	0.002	15.5	55.5	4	0.18	533	150	4.1	3	< 0.1	11	< 0.1	0.2	0.052	0.08	< 0.1	11	7.1	2.8	17	13.2		
276021	0.029	7.5	11.5	1	1.09	1970	6.3	0.9	26	< 0.1	334	< 0.1	1.1	0.342	< 0.05	0.3	239	1.0	22.4	50	66.6		
276022	0.046	21.1	3.1	< 1	1.83	1590	0.6	< 0.1	32	< 0.1	37	< 0.1	2.1	0.340	0.10	0.5	176	0.3	32.6	176	120		
276023	0.002	8.4	5.1	< 1	2.21	1440	2.2	1.5	19	< 0.1	155	< 0.1	0.1	0.148	< 0.05	< 0.1	70	7.1	8.1	94	18.8		
276024	0.003	100	6.0	< 1	2.25	1580	0.7	1.2	28	< 0.1	144	< 0.1	0.2	0.240	0.60	< 0.1	168	10.7	12.0	95	37.3		
276025	0.039	35.8	194	4	1.66	563	78.4	9.3	10	9.2	182	0.2	2.2	0.159	1.30	1.3	68	12.5	10.7	1880	52.8	5.57	
276026	0.008	44.4	19.1	< 1	0.84	620	61.5	1.6	10	< 0.1	13	< 0.1	0.5	0.127	0.18	0.2	52	11.6	4.3	21	34.0		
276027	0.016	2.0	2.1	< 1	0.41	2510	1.4	0.7	11	< 0.1	70	< 0.1	0.3	0.265	< 0.05	< 0.1	104	0.5	18.5	48	42.2		
276028	0.008	42.2	21.8	2	0.24	563	609	7.7	8	< 0.1	22	< 0.1	0.1	0.174	0.67	< 0.1	141	19.4	6.1	11	22.3		
276029	0.009	48.3	7.2	2	0.94	664	59.3	2.3	11	< 0.1	34	< 0.1	0.4	0.157	0.37	0.2	54	16.1	4.6	36	34.7		
276030	0.042	25.3	6.3	3	0.88	1460	3.1	1.1	24	0.3	71	< 0.1	1.6	0.418	0.12	0.4	185	2.3	16.5	49	135		
276031	0.031	31.5	262	4	0.75	1540	7.2	1.3	18	0.2	83	0.2	1.2	0.384	0.16	0.4	140	31.5	17.5	40	105		

Analyte Symbol	Au	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni	
Unit Symbol	ppb	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	
Lower Limit	5	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1	
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	
GXR-1 Meas		2.14	34.4	454	> 2000	747	< 1	1280	0.83	2.9	16	7.8	20	1170	2.9	25.4	0.5	0.04	7.7	7.7	0.045	0.8	38.5	
GXR-1 Cert		3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0	
GXR-1 Meas		2.01	35.1	502	> 2000	646	< 1	1440	0.82	2.5	16	7.4	24	1200	2.7	23.4	0.6	0.05	7.9	5.7	0.040	0.6	42.3	
GXR-1 Cert		3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0	
DH-1a Meas																								
DH-1a Cert																								
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas		7.23	4.2	112	500	124	2	18.2	1.03	0.5	108	14.6	54	6680	2.7	3.25	1.1	4.10	56.3	11.9	0.605	13.9	40.7	
GXR-4 Cert		7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0	
GXR-4 Meas		6.35	3.5	116	600	107	2	19.4	1.01	0.4	119	13.6	47	6640	2.6	3.01	1.3	3.30	61.4	7.1	0.443	11.0	42.3	
GXR-4 Cert		7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0	
SDC-1 Meas		8.21		< 1		651	2		1.01		84	17.8	57	33.1	4.0	4.78	1.0	2.48	37.2	36.1	1.65	0.4	33.0	
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.00	1.52	21.00	38.0	
SDC-1 Meas		8.17		< 1		593	2		1.08		94	18.0	56	33.6	4.0	4.83	1.2	2.62	40.8	22.1	1.25	< 0.1	35.8	
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.00	1.52	21.00	38.0	
GXR-6 Meas		> 20.0	0.4	231	< 100	1290	1	0.2	0.18	< 0.1	34	14.4	53	92.1	4.5	5.98	1.4	1.97	11.5	37.2	0.116	0.2	25.8	
GXR-6 Cert		17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0	
GXR-6 Meas			0.1	254	100	1120	< 1	0.2	0.18	< 0.1	34	13.2	50	73.3	4.0	5.51	2.1	2.05	12.0	21.0	0.077	0.9	25.2	
GXR-6 Cert			1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0	
DNC-1a Meas						109							56.5	201	108					3.7	4.6		2.5	254
DNC-1a Cert						118							57	270	100					3.6	5.2		3	247
DNC-1a Meas						97							55.8	289	105					4.0	3.2		1.5	276
DNC-1a Cert						118							57	270	100					3.6	5.2		3	247
OxP 91 Meas																								
OxP 91 Cert																								
OREAS 45d (Fire Assay) Meas					< 100																			
OREAS 45d (Fire Assay) Cert					23																			
OREAS203 Meas	850																							
OREAS203 Cert	871.000																							
SBC-1 Meas				28		632	3	0.7		0.4	104	23.2	91	40.9	8.6		3.1		48.8	172		19.2	86.0	
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163.0		15.3	82.8	
SBC-1 Meas				28		744	2	0.7		0.4	115	21.5	80	33.9	8.3		3.2		52.5	109		9.6	90.7	
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163.0		15.3	82.8	
OREAS 45d (4-Acid) Meas		8.02		6		180	< 1	0.3	0.20		40	29.6	504	383	3.7	14.0	1.6	0.46	18.0	13.2	0.076	< 0.1	239	
OREAS 45d (4-Acid) Cert		8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0	
OxK110 Meas																								

Analyte Symbol	Au	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppb	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	5	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OxK110 Cert																							
SdAR-M2 (U.S.G.S.) Meas						1050	6	1.0		5.5	99	13.9	47	274	1.9		3.3		45.1	19.4		6.7	51.4
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8
SdAR-M2 (U.S.G.S.) Meas						911	4	1.1		4.6	101	12.2	42	248	1.7		1.2		45.6	10.3		3.3	53.0
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8
OREAS 251 (FA-Anaster) Meas	482																						
OREAS 251 (FA-Anaster) Cert	504																						
276004 Orig		4.11	< 0.1	< 1	400	20	< 1	0.1	4.14	< 0.1	8	33.3	39	106	1.8	6.59	1.0	0.25	2.8	10.3	2.10	0.3	20.3
276004 Dup		4.10	< 0.1	< 1	400	20	< 1	0.1	4.08	< 0.1	7	34.2	39	107	1.8	6.70	1.1	0.25	2.7	10.3	2.22	0.4	20.3
276010 Orig	10																						
276010 Dup	9																						
276014 Orig		3.68	0.7	11	200	78	< 1	0.8	4.82	0.1	21	36.9	48	41.5	1.4	8.31	2.5	0.35	8.4	2.7	2.73	6.1	22.2
276014 Dup		3.84	0.6	10	100	78	< 1	0.8	4.98	0.1	21	37.9	45	44.6	1.4	8.43	2.6	0.37	8.4	2.9	2.81	6.3	23.4
276016 Orig		6.71	0.4	3	< 100	75	< 1	0.3	4.02	< 0.1	14	44.6	87	243	2.3	7.71	1.7	0.36	5.5	17.6	1.79	2.9	54.7
276016 Dup		6.65	0.8	4	< 100	81	< 1	0.3	4.36	0.1	15	47.3	91	272	2.5	8.22	1.8	0.38	6.2	19.1	2.08	3.0	55.8
276020 Orig	3510																						
276020 Dup	3560																						
276030 Orig	57																						
276030 Dup	58																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank		< 0.01	0.2	< 1	< 100	2	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	0.5	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au	
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.02	
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FA- GRA
GXR-1 Meas	0.059	3.4	729	< 1	0.21	928	18.5	33.4	1	32.3	334	< 0.1	2.8	0.025	0.38	31.3	83	125	35.0	728	31.4		
GXR-1 Cert	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0		
GXR-1 Meas	0.071	3.0	801	< 1	0.22	840	18.7	23.2	1	28.7	325	< 0.1	2.7	0.028	0.32	33.8	84	137	33.1	780	26.4		
GXR-1 Cert	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0		
DH-1a Meas													815			2030							
DH-1a Cert													910			2629							
DH-1a Meas													905			2470							
DH-1a Cert													910			2629							
GXR-4 Meas	0.156	163	51.4	2	1.94	159	307	6.9	9	7.7	220	0.6	19.8	0.290	3.26	5.5	94	34.3	15.8	70	59.5		
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186		
GXR-4 Meas	0.160	129	52.9	2	1.76	174	330	4.9	8	7.8	218	0.6	20.2	0.306	3.26	6.0	91	36.4	14.9	78	49.7		
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186		
SDC-1 Meas	0.061	122	25.0		1.05	883		< 0.1	16	< 0.1	170	< 0.1	14.5	0.188	0.61	2.6	51	< 0.1		127	57.7		
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00		
SDC-1 Meas	0.070	114	25.8		1.03	897		< 0.1	16	0.5	179	< 0.1	12.0	0.234	0.57	3.4	59	< 0.1		108	51.0		
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00		
GXR-6 Meas	0.035	86.4	106	< 1	0.67	1130	0.4	0.4	30	< 0.1	38	< 0.1	4.9		2.22	1.4	101	< 0.1	14.3	136	81.6		
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110		
GXR-6 Meas	0.038	73.9	104	< 1	0.60	1050	0.5	0.5	25	0.6	34	< 0.1	4.8		2.18	1.5	133	0.2	12.4	131	82.9		
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110		
DNC-1a Meas		4.1	5.9					0.4	32		148			0.282			143		18.8	66	61.8		
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0		
DNC-1a Meas		3.7	7.0					0.3	32		146			0.312			158		17.8	69	45.0		
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0		
OxP 91 Meas																						14.8	
OxP 91 Cert																						14.82	
OREAS 45d (Fire Assay) Meas																							
OREAS 45d (Fire Assay) Cert																							
OREAS203 Meas																							
OREAS203 Cert																							
SBC-1 Meas		156	37.5				2.5	1.6	22	3.5	183	0.7	16.7	0.513	0.91	8.1	230	1.6	36.3	200	183		
SBC-1 Cert		147	35.0				2.40	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186.0	134.0		
SBC-1 Meas		144	38.7				2.2	1.0	21	3.7	182	0.6	16.1	0.525	0.88	6.1	241	1.2	35.1	203	136		
SBC-1 Cert		147	35.0				2.40	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186.0	134.0		
OREAS 45d (4-Acid) Meas	0.041	42.8	23.4	< 1	0.25	470	0.1	< 0.1	49	0.6	30	< 0.1	14.7	0.146	0.19	2.9	91	< 0.1	12.4	45	69.8		
OREAS 45d (4-Acid) Cert	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141		
OxK110 Meas																						3.57	
OxK110 Cert																						3.602	

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au	
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.02	
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FA- GRA
SdAR-M2 (U.S.G.S.) Meas		158	754				12.3		4		155	< 0.1	14.5			2.4	28	0.2	30.1	779	178		
SdAR-M2 (U.S.G.S.) Cert		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259		
SdAR-M2 (U.S.G.S.) Meas		119	807				12.0		4		143	< 0.1	13.9			2.5	26	< 0.1	27.0	768	73.1		
SdAR-M2 (U.S.G.S.) Cert		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259		
OREAS 251(FA-Anaster) Meas																							
OREAS 251(FA-Anaster) Cert																							
276004 Orig	0.024	25.5	5.6	< 1	1.51	1100	0.3	0.8	25	< 0.1	91	< 0.1	0.4	0.352	0.10	< 0.1	162	0.4	12.2	43	57.9		
276004 Dup	0.025	25.5	5.9	< 1	1.51	1130	0.3	0.6	25	< 0.1	92	< 0.1	0.4	0.377	0.09	< 0.1	169	0.3	12.0	43	60.6		
276010 Orig																							
276010 Dup																							
276014 Orig	0.038	27.0	10.3	6	1.55	1210	0.5	3.8	23	0.4	118	0.3	1.5	0.528	0.12	0.5	144	25.3	14.5	72	134		
276014 Dup	0.040	27.8	10.9	6	1.60	1230	0.7	3.8	23	0.5	118	0.3	1.6	0.541	0.13	0.4	148	26.0	14.7	63	133		
276016 Orig	0.027	18.1	2.6	< 1	3.18	1480	3.0	2.7	32	< 0.1	100	0.2	1.0	0.402	0.11	0.2	210	1.4	20.5	97	92.0		
276016 Dup	0.029	20.1	2.6	< 1	3.69	1550	3.3	2.2	36	< 0.1	108	0.1	1.1	0.444	0.14	0.3	227	1.0	22.3	110	93.2		
276020 Orig																							
276020 Dup																							
276030 Orig																							
276030 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							< 0.02
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	15	0.8	0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	0.001	< 0.05	2.3	< 4	< 0.1	< 0.1	< 1	0.2		



Date Submitted: 05-Oct-16
Invoice No.: A16-10276
Invoice Date: 14-Nov-16
Your Reference: Geraldton

Greenstone Gold Mines GP Inc.
135 Hardrock Road
Geraldton ON P0T 1M0
Canada

ATTN: Tom Salmi(res)

CERTIFICATE OF ANALYSIS

57 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-50-Geraldton Au - Fire Assay AA

REPORT **A16-10276**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

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



CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is written in a cursive style with a horizontal line underneath.

Emmanuel Esemé , Ph.D.
Quality Control

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: 05-Oct-16
Invoice No.: A16-10276
Invoice Date: 14-Nov-16
Your Reference: Geraldton

Greenstone Gold Mines GP Inc.
135 Hardrock Road
Geraldton ON P0T 1M0
Canada

ATTN: Tom Salmi(res)

CERTIFICATE OF ANALYSIS

57 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-10276**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

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

CERTIFIED BY:



Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A16-10276

Analyte Symbol	Au	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppb	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	5	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
276032	7	3.81	0.2	9	< 100	228	< 1	< 0.1	10.6	< 0.1	11	26.6	51	70.6	4.0	5.97	1.1	1.20	4.1	7.8	0.077	1.6	32.5
276033	362	1.51	1.2	33	1100	17	< 1	2.1	0.49	< 0.1	1	34.5	42	68.2	0.3	7.55	0.4	0.07	0.3	2.7	0.883	0.6	21.2
276034	17	1.93	0.5	2	< 100	48	< 1	0.2	2.36	< 0.1	8	19.9	37	160	0.5	3.38	1.1	0.20	3.5	4.9	0.817	2.0	8.4
276035	5	4.87	0.2	< 1	< 100	80	< 1	0.1	4.32	0.1	21	26.1	16	233	0.7	7.07	2.7	0.35	8.7	5.2	2.68	0.7	10.4
276036	1470	4.76	9.0	6	1800	50	< 1	4.3	4.62	8.4	8	32.4	81	1570	1.8	7.18	1.6	1.04	2.5	10.8	1.13	1.7	61.3
276037	11	6.97	1.4	6	< 100	27	< 1	0.3	4.54	< 0.1	9	48.1	93	65.8	2.5	9.06	1.6	0.13	2.8	35.0	2.44	0.2	78.1
276038	6	5.31	0.4	2	< 100	36	< 1	< 0.1	3.38	< 0.1	9	35.0	99	108	0.4	7.36	0.8	0.05	4.4	20.3	1.85	< 0.1	64.0
276039	5	6.97	0.5	7	< 100	101	< 1	0.5	2.36	< 0.1	79	14.0	39	83.6	2.3	3.65	7.5	1.79	39.8	6.5	1.50	13.8	31.1
276040	< 5	4.89	0.4	10	< 100	337	< 1	0.2	1.21	< 0.1	70	4.9	12	38.7	2.2	1.23	7.6	1.43	27.9	5.2	0.322	13.0	4.2
276041	< 5	5.28	0.3	4	< 100	287	< 1	< 0.1	0.93	0.2	72	1.3	8	17.8	2.0	0.76	1.1	1.31	33.6	2.0	0.733	4.6	2.9
276042	69	4.57	0.8	4	< 100	41	< 1	1.0	3.65	< 0.1	8	43.3	43	160	0.7	6.31	1.3	0.15	2.7	12.0	2.58	1.9	38.9
276043	13	2.42	0.4	10	< 100	214	< 1	0.2	16.0	0.1	11	27.2	28	793	0.1	7.50	1.1	0.01	3.9	23.8	0.009	1.5	32.4
276044	< 5	5.08	0.2	4	< 100	444	< 1	0.1	3.76	< 0.1	30	52.4	651	22.9	0.8	7.00	2.0	0.06	11.5	48.0	0.013	0.5	618
276045	< 5	8.49	0.2	5	< 100	375	< 1	0.2	2.95	0.2	77	47.1	104	305	3.8	4.99	2.9	1.86	34.3	15.2	2.96	0.4	85.6
276046	< 5	7.22	0.2	< 1	< 100	80	< 1	1.1	7.14	0.1	19	42.4	51	64.2	1.0	9.11	2.1	0.58	8.1	9.6	0.601	0.7	44.4
276047	1060	0.07	56.5	2	1300	49	< 1	50.7	0.30	0.4	< 1	4.5	57	9310	0.3	1.87	< 0.1	0.02	< 0.1	0.8	0.013	< 0.1	5.4
276048	154	2.74	5.0	2	200	97	< 1	2.7	0.09	< 0.1	7	14.5	84	21.6	1.2	2.85	0.8	0.38	2.9	3.4	1.65	1.2	25.1
276049	201	2.00	4.9	1	400	155	< 1	4.4	0.19	< 0.1	3	11.9	71	9.9	1.2	2.84	0.7	0.58	1.4	1.8	1.10	1.1	14.3
276050	< 5	< 0.01	1.0	< 1	< 100	42	< 1	< 0.1	21.3	< 0.1	< 1	0.3	9	1.7	0.4	0.07	< 0.1	0.02	0.4	12.5	0.025	0.1	3.4
276051	229	2.51	7.0	2	300	74	< 1	6.7	0.18	0.1	4	14.2	80	9.3	1.3	3.19	0.8	0.73	1.6	2.1	1.39	1.3	16.9
276052	119	0.42	4.1	21	100	34	< 1	3.0	0.31	< 0.1	2	8.5	76	14.9	0.9	2.86	0.1	0.56	1.0	0.6	0.036	0.4	7.4
276053	< 5	6.30	1.2	5	< 100	130	< 1	0.2	3.11	< 0.1	34	41.6	16	130	1.2	10.1	2.1	0.52	14.2	16.3	1.49	< 0.1	15.5
276054	1560	0.40	74.0	2	1800	20	< 1	48.5	3.01	4.6	2	11.7	65	89.1	0.5	2.79	< 0.1	0.21	0.5	1.2	0.160	0.2	5.5
276055	180	3.73	5.3	1	700	133	< 1	2.3	0.26	< 0.1	6	26.3	66	45.2	0.6	6.18	1.0	0.33	2.7	5.8	2.28	1.6	25.5
276056	438	5.60	2.7	8	600	29	< 1	4.8	4.53	0.2	10	67.5	52	21.4	2.4	8.06	1.7	1.69	4.2	6.8	2.55	2.7	50.8
276057	130	3.58	3.2	8	200	24	< 1	2.6	2.92	0.1	16	55.9	19	25.5	1.3	9.03	2.3	0.53	4.9	5.7	2.38	3.0	16.1
276058	10	4.37	1.3	11	< 100	137	< 1	0.6	6.97	0.5	11	41.6	50	204	14.7	7.74	1.3	2.62	4.2	6.8	0.037	1.5	44.7
276059	9	2.68	3.4	4	< 100	69	< 1	0.7	8.59	0.5	11	43.6	31	69.4	8.6	7.81	0.7	1.38	4.6	4.6	0.044	0.8	43.3
276060	1370	4.96	3.4	3	1800	96	< 1	1.0	5.47	< 0.1	10	30.4	57	98.4	3.6	5.23	1.5	0.74	4.3	20.7	2.58	2.2	51.3
276061	23	1.54	1.9	4	< 100	60	< 1	1.6	4.62	0.3	5	18.8	30	126	3.9	3.99	0.4	0.61	2.2	3.8	0.022	0.7	23.4
276062	390	1.02	4.1	3	500	28	< 1	3.2	1.43	< 0.1	1	24.6	31	87.4	2.6	3.90	0.2	0.49	0.4	1.3	0.049	0.4	16.5
276063	60	1.11	1.4	2	< 100	105	< 1	1.8	1.61	< 0.1	5	14.5	33	10.9	2.0	2.58	0.2	0.39	2.0	8.0	0.050	0.4	18.2
276064	132	3.24	3.1	6	200	90	< 1	4.0	6.11	0.3	5	28.1	45	84.4	10.5	5.37	1.0	1.25	2.1	4.2	0.048	1.3	34.3
276065	307	1.87	11.9	3	400	38	< 1	4.7	0.15	0.2	3	20.1	54	46.2	0.5	3.50	0.5	0.25	1.3	1.9	1.03	1.0	18.2
276066	9	0.27	1.8	1	< 100	10	< 1	0.3	0.03	< 0.1	1	4.3	39	7.3	1.0	1.85	< 0.1	0.08	0.2	1.1	0.062	0.1	4.7
276067	83	1.17	1.0	9	100	49	< 1	0.2	9.69	0.2	3	23.9	31	13.1	0.6	4.31	0.2	0.02	1.2	8.0	0.070	0.1	26.0
276068	< 5	6.81	0.5	5	< 100	95	< 1	0.4	7.56	< 0.1	17	46.3	69	95.6	0.7	8.30	2.3	0.69	6.7	3.7	2.09	3.8	66.4
276069	12	4.95	1.6	14	< 100	11	< 1	0.7	1.61	0.2	38	31.2	64	269	0.3	10.8	5.0	0.04	15.5	17.5	0.581	9.3	45.2
276070	22	6.13	0.7	< 1	< 100	84	< 1	0.4	2.01	0.3	31	47.3	13	64.9	13.3	9.50	3.5	0.93	9.8	13.2	4.88	2.0	18.3
276071	< 5	7.40	0.3	5	< 100	119	< 1	0.1	5.30	0.1	18	44.5	37	86.4	1.1	8.17	1.4	0.63	7.5	15.2	2.50	0.2	77.0
276072	41	6.09	3.2	4	800	27	< 1	4.4	1.22	0.3	28	46.3	10	267	1.7	10.2	4.1	1.40	11.2	11.6	3.56	6.2	16.8
276073	143	0.83	3.2	5	200	64	< 1	5.7	0.05	< 0.1	6	6.2	29	321	0.4	4.65	0.7	0.45	2.2	1.1	0.351	1.3	4.0

Analyte Symbol	Au	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppb	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	5	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
276074	1150	6.04	2.8	3	1400	51	< 1	2.2	1.37	0.1	26	32.8	8	78.1	1.2	8.19	3.8	1.30	10.1	17.0	3.35	4.3	15.0
276075	4890	5.27	7.9	75	> 2000	34	< 1	2.5	1.28	13.5	34	9.2	35	1060	1.1	6.46	1.3	1.54	16.8	11.2	1.12	5.3	58.0
276076	1590	0.09	46.0	5	1700	8	< 1	13.2	0.02	0.3	< 1	3.2	49	266	0.2	3.24	< 0.1	0.05	0.4	0.8	0.024	0.2	3.2
276077	451	0.47	12.8	4	500	28	< 1	9.9	0.57	0.4	6	23.1	62	255	0.5	4.57	0.7	0.59	1.8	1.0	0.106	1.1	6.1
276078	118	2.92	2.8	2	100	55	< 1	1.4	1.01	0.1	17	27.2	27	26.9	0.9	6.08	2.2	1.16	6.1	3.8	1.72	3.3	9.7
276079	776	1.36	3.0	8	900	41	< 1	2.8	0.15	< 0.1	6	10.8	28	19.4	0.6	3.06	0.9	0.56	2.2	1.1	0.621	1.5	5.7
276080	105	2.93	2.4	2	200	29	< 1	1.8	0.65	0.1	14	28.7	23	33.2	0.6	6.43	2.1	1.00	5.9	0.9	1.83	3.7	9.7
276081	5	5.37	0.8	1	< 100	260	< 1	0.1	5.06	0.1	31	38.6	16	10.9	2.0	7.68	3.0	0.89	13.3	13.4	1.65	0.6	16.0
276082	14	6.10	0.3	2	< 100	75	< 1	0.5	0.86	0.1	20	46.9	24	101	1.6	8.60	3.2	1.04	6.9	5.4	3.07	4.7	40.8
276083	76	5.82	0.5	3	100	43	< 1	0.3	4.18	< 0.1	27	44.2	8	39.4	0.4	9.22	4.4	0.58	12.4	6.1	4.11	6.6	17.4
276084	108	3.04	1.2	3	100	43	< 1	0.4	0.92	< 0.1	15	31.9	22	23.2	0.4	7.52	2.0	1.23	6.6	1.8	1.61	2.9	11.7
276085	217	4.19	1.8	8	300	31	< 1	1.2	2.15	0.1	18	34.6	18	21.0	0.5	9.82	2.7	0.74	6.9	3.9	2.35	4.8	13.0
276086	486	1.65	2.8	4	600	27	< 1	0.6	1.33	< 0.1	5	26.0	21	28.7	0.4	7.75	0.9	0.74	1.7	4.9	0.769	1.4	16.0
276087	40	6.15	1.8	3	1500	35	< 1	0.9	2.41	< 0.1	12	38.5	36	25.7	1.3	8.04	1.7	1.74	3.9	23.1	3.10	2.8	32.2
276088	1160	5.29	7.5	5	1500	24	< 1	0.7	1.95	0.2	17	46.4	29	59.5	0.9	8.95	2.8	1.59	5.7	5.7	2.53	4.5	40.2

Results

Activation Laboratories Ltd.

Report: A16-10276

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
276032	0.020	60.7	2.9	< 1	2.28	2830	1.4	3.5	21	0.7	127	< 0.1	0.7	0.272	0.50	0.1	136	0.7	14.6	44	40.2	
276033	0.010	4.0	9.4	5	0.13	284	146	0.7	5	0.7	37	< 0.1	< 0.1	0.080	0.06	< 0.1	27	6.6	5.7	8	16.0	
276034	0.023	9.8	1.5	< 1	0.42	900	4.1	2.4	11	0.7	37	< 0.1	0.6	0.275	0.07	0.1	63	4.6	6.2	28	39.1	
276035	0.044	16.7	3.4	< 1	1.03	1960	2.5	1.7	23	1.2	89	< 0.1	1.4	0.531	0.10	0.4	118	0.5	14.6	47	105	
276036	0.035	40.0	586	3	1.00	1320	2.0	0.6	25	0.9	70	< 0.1	0.3	0.682	0.22	< 0.1	174	16.9	11.1	479	58.3	
276037	0.046	5.0	6.6	< 1	1.91	1640	0.3	0.1	31	0.8	66	< 0.1	0.4	0.444	0.06	< 0.1	186	0.5	21.7	129	46.6	
276038	0.036	1.9	7.0	< 1	1.37	1580	0.3	< 0.1	30	0.5	50	< 0.1	0.3	0.460	< 0.05	< 0.1	176	0.1	23.9	96	23.7	
276039	0.010	68.6	7.9	2	1.15	687	1.4	2.4	6	2.5	51	0.9	11.0	0.155	0.56	2.4	14	0.5	27.0	41	275	
276040	0.012	53.6	5.4	< 1	0.33	302	0.6	1.5	4	2.7	23	1.1	7.7	0.154	0.53	1.8	5	0.6	25.5	16	296	
276041	0.002	48.9	4.0	< 1	0.14	250	0.7	0.9	3	2.2	17	< 0.1	9.2	0.108	0.46	2.1	< 4	0.2	25.1	11	58.5	
276042	0.015	7.6	16.6	5	0.98	679	22.2	1.4	20	0.9	61	0.1	0.6	0.275	0.08	0.2	47	5.6	9.9	49	49.1	
276043	0.021	0.6	3.1	1	0.69	2230	1.4	2.3	14	1.3	133	< 0.1	0.6	0.227	< 0.05	0.1	93	2.6	17.7	73	41.0	
276044	0.105	3.4	2.8	< 1	7.18	1310	0.4	0.5	21	0.4	116	< 0.1	2.0	0.333	< 0.05	0.5	102	0.2	10.8	93	80.6	
276045	0.096	69.2	4.2	< 1	2.13	745	0.6	1.0	11	1.7	110	< 0.1	5.3	0.271	0.41	0.9	81	1.1	10.1	61	118	
276046	0.034	25.4	9.2	2	2.84	1380	0.4	0.2	37	0.7	497	< 0.1	1.4	0.406	0.18	0.3	239	0.2	19.8	78	71.9	
276047	< 0.001	1.5	4510	2	0.02	110	6.1	0.8	< 1	0.4	209	< 0.1	< 0.1	0.003	0.06	< 0.1	< 4	0.4	0.3	1	0.3	
276048	0.010	25.5	117	2	0.41	176	38.8	1.3	15	0.8	16	< 0.1	0.4	0.192	0.14	0.4	43	24.0	8.2	28	31.2	
276049	0.009	33.4	242	1	0.22	162	21.1	0.6	10	0.6	18	< 0.1	0.3	0.164	0.20	0.1	39	9.8	4.4	16	26.0	
276050	0.004	0.9	1.7	< 1	13.3	372	0.5	0.2	< 1	0.3	146	< 0.1	< 0.1	0.002	0.05	0.2	4	0.5	0.3	14	1.5	
276051	0.011	39.7	378	2	0.28	168	24.9	0.7	12	0.6	19	< 0.1	0.4	0.193	0.26	0.2	46	12.8	5.4	21	32.3	
276052	0.002	29.2	305	3	0.07	126	39.7	0.8	< 1	0.5	12	< 0.1	< 0.1	0.036	0.18	0.2	7	3.4	2.2	4	5.5	
276053	0.065	26.6	8.5	< 1	2.15	1730	0.7	< 0.1	40	0.8	210	< 0.1	2.1	0.245	0.17	0.5	177	0.3	38.0	141	80.1	
276054	0.003	10.5	> 5000	3	0.10	606	20.4	1.4	1	0.4	121	< 0.1	< 0.1	0.021	0.11	< 0.1	6	2.0	2.0	7	2.9	
276055	0.017	17.0	147	2	0.95	639	48.1	0.9	17	0.8	40	0.1	0.6	0.255	0.11	0.1	86	3.6	8.0	43	37.4	
276056	0.024	79.8	120	6	1.56	1190	3.7	6.8	31	0.8	193	0.2	0.6	0.373	0.60	0.4	140	50.1	14.5	55	67.5	
276057	0.043	31.2	56.2	5	0.73	1390	98.8	7.8	19	1.0	93	0.2	0.7	0.383	0.18	0.3	108	58.6	17.0	45	95.7	
276058	0.020	172	17.2	2	2.14	1510	5.7	3.5	26	0.7	87	< 0.1	0.6	0.248	1.26	0.2	162	8.3	11.1	112	49.5	
276059	0.018	100	26.1	1	2.49	1880	2.2	5.2	14	0.6	97	< 0.1	0.3	0.143	0.69	0.2	163	4.3	11.1	129	26.3	
276060	0.030	48.6	21.3	2	1.52	1240	5.1	6.9	25	0.8	107	0.1	0.7	0.338	0.28	0.2	126	60.1	11.0	60	54.7	
276061	0.007	43.7	8.4	< 1	1.26	1120	66.1	4.6	8	0.6	54	< 0.1	0.2	0.102	0.25	< 0.1	63	7.7	5.8	106	19.7	
276062	0.008	33.4	18.0	3	0.21	397	227	4.3	4	0.5	121	< 0.1	< 0.1	0.061	0.23	0.5	19	11.2	2.5	28	8.9	
276063	0.009	28.0	4.7	< 1	0.22	392	49.2	1.8	5	0.5	18	< 0.1	0.1	0.059	0.19	< 0.1	32	7.8	4.2	14	9.2	
276064	0.014	87.3	10.9	< 1	2.13	1440	176	7.2	17	0.6	45	< 0.1	0.5	0.219	0.81	1.4	143	19.2	7.5	104	38.9	
276065	0.005	10.7	119	2	0.23	219	9.5	0.6	7	0.6	10	< 0.1	0.3	0.124	0.07	0.3	38	2.6	3.5	13	22.5	
276066	0.001	7.1	2.1	< 1	0.08	171	14.0	1.2	< 1	0.5	8	< 0.1	< 0.1	0.014	< 0.05	< 0.1	19	1.6	0.4	4	2.1	
276067	0.010	1.8	5.8	1	1.22	1230	3.8	1.9	12	0.5	80	< 0.1	< 0.1	0.053	< 0.05	< 0.1	65	7.0	6.2	35	6.5	
276068	0.040	30.6	5.4	< 1	3.47	1790	4.7	1.3	41	1.0	195	0.3	1.1	0.517	0.19	0.3	224	1.3	23.0	98	83.7	
276069	0.022	1.1	12.0	2	2.87	950	2.2	0.8	10	5.8	129	0.8	6.2	0.200	< 0.05	1.3	54	0.9	21.9	254	200	
276070	0.061	57.9	26.4	4	1.05	850	1.8	0.4	37	1.6	123	< 0.1	2.2	0.699	0.70	0.6	204	0.8	34.7	88	134	
276071	0.031	24.9	2.9	< 1	3.74	1360	0.7	0.2	37	0.4	175	< 0.1	1.1	0.274	0.13	0.2	155	0.2	20.1	83	52.6	
276072	0.042	65.2	30.5	8	0.90	568	25.4	4.2	27	1.7	37	0.4	1.8	0.706	0.33	0.7	142	86.4	31.8	59	160	
276073	0.010	17.1	33.4	1	0.05	140	27.2	1.4	2	0.7	11	< 0.1	0.5	0.107	0.10	0.2	21	15.6	3.6	5	28.3	

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	
276074	0.039	51.9	39.5	4	1.22	876	13.6	3.5	28	1.4	63	0.3	1.9	0.544	0.32	0.7	242	44.5	21.7	54	149	
276075	0.045	40.2	191	4	1.65	568	84.3	6.7	11	9.3	192	0.3	2.2	0.185	1.32	1.2	69	14.5	12.1	1740	49.9	
276076	0.002	1.9	> 5000	2	< 0.01	133	19.2	0.8	< 1	0.6	4	< 0.1	< 0.1	0.007	< 0.05	< 0.1	< 4	1.1	0.4	4	2.2	
276077	0.009	22.6	162	4	0.12	203	276	1.4	3	0.7	18	< 0.1	0.3	0.124	0.15	0.2	12	7.2	7.2	14	27.8	
276078	0.034	46.4	44.2	5	0.33	334	15.6	2.6	14	1.2	32	0.2	1.1	0.359	0.27	0.4	40	19.6	20.5	29	90.7	
276079	0.012	22.7	50.6	1	0.08	283	182	5.0	5	0.7	6	< 0.1	0.4	0.188	0.14	0.1	32	7.8	5.5	11	35.4	
276080	0.023	35.2	33.3	5	0.11	183	84.1	3.5	10	1.4	14	0.2	0.9	0.382	0.21	0.4	29	23.5	18.3	15	87.5	
276081	0.065	42.9	3.1	< 1	1.56	1470	1.8	0.6	27	1.4	75	< 0.1	1.9	0.496	0.23	0.5	132	1.5	18.1	61	113	
276082	0.049	52.5	6.3	3	0.65	1010	4.3	3.0	29	1.4	46	0.2	1.6	0.559	0.25	0.5	226	8.5	17.8	64	121	
276083	0.076	15.0	6.3	7	0.40	970	14.2	1.8	21	1.7	78	0.5	2.1	0.739	0.09	0.6	104	28.8	24.0	33	178	
276084	0.036	31.4	5.7	6	0.15	435	22.6	1.3	9	1.5	21	0.2	1.0	0.336	0.21	0.3	29	8.9	12.3	14	79.3	
276085	0.049	18.9	22.8	8	0.76	576	263	0.9	18	1.5	45	0.3	1.4	0.533	0.13	0.5	98	18.4	22.6	46	109	
276086	0.019	22.6	33.6	6	0.32	338	18.0	0.9	4	0.8	28	< 0.1	0.4	0.137	0.13	0.2	19	12.6	7.1	13	36.6	
276087	0.072	58.7	28.0	6	1.48	800	42.3	1.0	16	0.8	69	0.2	0.9	0.332	0.42	0.8	67	24.8	16.6	57	71.5	
276088	0.046	52.8	615	7	1.24	953	76.8	1.5	25	1.2	61	0.3	1.2	0.467	0.37	0.5	55	35.4	23.5	55	120	

Analyte Symbol	Au	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppb	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	5	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-1 Meas		4.56	35.9	402	> 2000	1050	< 1	1120	0.89	2.6	17	6.8	13	970	2.7	21.7	0.2	0.06	8.0	10.2	0.063	0.6	38.5
GXR-1 Cert		3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas		6.28	3.9	106	600	84	2	19.9	0.96	0.4	109	11.7	46	5350	2.4	2.80	1.3	2.41	57.3	10.6	0.494	10.1	39.9
GXR-4 Cert		7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0
SDC-1 Meas		8.50		< 1		625	3		1.03		95	16.6	55	36.2	3.9	4.80	1.2	1.65	42.9	33.3	1.57	0.6	37.1
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.00	1.52	21.00	38.0
GXR-6 Meas		14.7	0.7	270	< 100	1210	1	0.2	0.18	0.1	39	13.3	59	80.7	3.9	5.60	2.5	1.72	13.3	37.1	0.114	1.4	27.1
GXR-6 Cert		17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
DNC-1a Meas						106						54.1	163	114					4.3	4.6		2.3	295
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
OREAS203 Meas	879																						
OREAS203 Cert	871.000																						
OREAS203 Meas	842																						
OREAS203 Cert	871.000																						
SBC-1 Meas				26		588	3	0.7		0.4	109	21.4	78	37.2	7.8		3.2		51.5	156		10.0	93.6
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163.0		15.3	82.8
OREAS 45d (4-Acid) Meas		8.27		5		180	< 1	0.4	0.16		40	26.1	439	368	3.6	13.4	2.2	0.46	17.7	20.4	0.096	0.5	236
OREAS 45d (4-Acid) Cert		8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0
SdAR-M2 (U.S.G.S.) Meas						925	7	1.1		5.8	100	12.7	46	265	1.7		2.3		45.8	17.3		6.4	52.2
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8
276032 Orig		3.74	0.3	11	< 100	223	< 1	< 0.1	10.3	< 0.1	10	27.0	52	66.1	3.9	5.87	1.1	1.21	4.1	7.4	0.075	1.6	32.1
276032 Dup		3.88	0.2	8	< 100	233	< 1	< 0.1	10.8	0.1	11	26.1	49	75.1	4.0	6.08	1.1	1.20	4.2	8.1	0.080	1.6	32.8
276041 Orig	< 5																						
276041 Dup	< 5																						
276051 Orig	228																						
276051 Dup	229																						
276061 Orig	24																						
276061 Dup	21																						
276070 Orig		6.32	0.8	< 1	< 100	81	< 1	0.4	2.01	0.3	29	45.9	17	64.4	13.1	9.29	3.6	0.92	9.2	13.2	4.78	2.2	18.1
276070 Dup		5.95	0.6	1	< 100	86	< 1	0.4	2.00	0.2	32	48.7	9	65.4	13.5	9.71	3.4	0.94	10.4	13.2	4.97	1.9	18.5
276072 Orig		5.98	2.8	4	700	26	< 1	4.4	1.23	0.3	28	46.4	7	265	1.7	10.2	4.0	1.41	11.2	11.6	3.49	6.1	16.8
276072 Dup		6.20	3.6	4	900	28	< 1	4.4	1.21	0.3	28	46.2	12	270	1.7	10.2	4.1	1.39	11.3	11.6	3.63	6.3	16.7
276076 Orig	1540																						
276076 Dup	1630																						
276081 Split Orig	5	5.37	0.8	1	< 100	260	< 1	0.1	5.06	0.1	31	38.6	16	10.9	2.0	7.68	3.0	0.89	13.3	13.4	1.65	0.6	16.0

Analyte Symbol	Au	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppb	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	5	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
PREP DUP																							
276081 Split	5	5.28	0.5	< 1	< 100	303	< 1	0.1	5.08	0.1	31	39.7	6	10.4	1.9	7.68	2.8	0.85	13.4	13.8	1.67	0.4	16.9
PREP DUP																							
276085 Orig	206																						
276085 Dup	228																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		0.01	0.2	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	6	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.001	< 0.1	< 0.1

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-1 Meas	0.060	3.6	587	< 1	0.30	789	16.1	16.2	1	24.4	275	< 0.1	2.6	0.033	0.37	27.7	75	128	27.7	573	12.2	
GXR-1 Cert	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0	
DH-1a Meas													759			1930						
DH-1a Cert													910			2629						
GXR-4 Meas	0.139	113	53.8	2	1.60	161	287	4.9	8	7.6	201	0.7	19.9	0.302	3.15	5.7	81	37.3	14.6	65	45.5	
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186	
SDC-1 Meas	0.060	83.2	24.7		0.97	866		< 0.1	16	0.6	179	< 0.1	14.3	0.193	0.63	2.7	47	0.2		101	46.9	
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00	
GXR-6 Meas	0.037	75.5	98.8	< 1	0.64	1040	1.7	0.9	29	0.9	41	< 0.1	5.4		2.19	1.4	137	0.5	14.0	127	99.7	
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110	
DNC-1a Meas		4.6	6.6					0.8	33		155			0.317			140		18.7	65	50.4	
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0	
OREAS203 Meas																						
OREAS203 Cert																						
OREAS203 Meas																						
OREAS203 Cert																						
SBC-1 Meas		112	35.5				2.4	1.0	21	3.7	174	0.6	16.0	0.460	0.89	5.4	201	1.3	33.6	179	130	
SBC-1 Cert		147	35.0				2.40	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186.0	134.0	
OREAS 45d (4-Acid) Meas	0.035	47.9	22.0	< 1	0.24	460	0.9	< 0.1	53	0.7	31	< 0.1	15.2	0.177	0.26	2.8	84	0.7	12.4	39	94.7	
OREAS 45d (4-Acid) Cert	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141	
SdAR-M2 (U.S.G.S.) Meas		79.0	653				13.0		4		146	0.3	13.7			2.3	26	0.5	26.9	678	108	
SdAR-M2 (U.S.G.S.) Cert		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259	
276032 Orig	0.020	59.7	2.8	< 1	2.21	2790	1.2	2.5	20	0.6	122	< 0.1	0.7	0.264	0.47	0.1	132	0.7	14.1	43	37.6	
276032 Dup	0.021	61.8	2.9	< 1	2.35	2880	1.6	4.5	22	0.8	133	< 0.1	0.6	0.280	0.53	0.2	139	0.7	15.1	44	42.8	
276041 Orig																						
276041 Dup																						
276051 Orig																						
276051 Dup																						
276061 Orig																						
276061 Dup																						
276070 Orig	0.060	50.0	26.4	4	1.06	839	1.7	0.3	37	1.6	122	< 0.1	2.2	0.720	0.70	0.6	218	0.7	34.3	87	139	
276070 Dup	0.061	65.7	26.5	4	1.05	860	1.9	0.5	37	1.5	124	< 0.1	2.3	0.678	0.71	0.7	190	0.9	35.2	89	129	
276072 Orig	0.041	65.3	30.3	8	0.90	566	25.0	4.2	27	1.6	37	0.4	1.8	0.703	0.32	0.7	140	85.6	31.5	59	161	
276072 Dup	0.043	65.1	30.6	8	0.89	569	25.8	4.2	27	1.8	36	0.4	1.9	0.710	0.33	0.7	143	87.2	32.1	59	160	
276076 Orig																						
276076 Dup																						
276081 Split Orig PREP DUP	0.065	42.9	3.1	< 1	1.56	1470	1.8	0.6	27	1.4	75	< 0.1	1.9	0.496	0.23	0.5	132	1.5	18.1	61	113	
276081 Split PREP DUP	0.064	42.0	3.0	< 1	1.58	1420	1.0	1.0	27	1.3	74	< 0.1	2.0	0.417	0.25	0.5	119	0.9	18.7	63	104	

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	
276085 Orig																						
276085 Dup																						
Method Blank																						
Method Blank																						
Method Blank																						
Method Blank																						
Method Blank	< 0.001	< 0.1	0.1	< 1	< 0.01	7	0.2	0.1	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	< 0.1	



Date Submitted: 07-Oct-16
Invoice No.: A16-10457
Invoice Date: 07-Nov-16
Your Reference: Geraldton

Greenstone Gold Mines GP Inc.
135 Hardrock Road
Geraldton ON P0T 1M0
Canada

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

33 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-50-Geraldton Au - Fire Assay AA

REPORT **A16-10457**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

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



CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé".

Emmanuel Esemé , Ph.D.
Quality Control

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: 07-Oct-16
Invoice No.: A16-10457
Invoice Date: 07-Nov-16
Your Reference: Geraldton

Greenstone Gold Mines GP Inc.
135 Hardrock Road
Geraldton ON P0T 1M0
Canada

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

33 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-10457**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

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

CERTIFIED BY:



Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A16-10457

Analyte Symbol	Au	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppb	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	5	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
276089	7	4.67	< 0.1	24	< 100	502	< 1	< 0.1	0.35	< 0.1	50	1.2	25	13.0	1.9	1.14	4.5	2.22	21.4	1.3	0.046	7.8	2.2
276090	< 5	6.81	< 0.1	10	< 100	122	< 1	0.2	4.00	< 0.1	31	49.7	18	152	1.3	12.5	3.2	0.63	12.5	8.4	2.44	0.3	18.4
276091	5	6.38	< 0.1	15	< 100	112	< 1	0.3	4.67	0.2	32	45.6	8	142	1.5	10.4	3.7	0.32	13.8	17.2	0.944	4.9	15.7
276092	< 5	7.35	< 0.1	11	< 100	38	< 1	< 0.1	5.76	< 0.1	11	46.8	24	156	1.6	10.4	1.7	0.37	3.9	16.5	1.97	1.7	33.6
276093	9	4.82	< 0.1	11	< 100	86	< 1	< 0.1	7.08	< 0.1	55	7.7	29	5.6	2.6	2.23	1.5	1.24	24.9	9.0	1.37	2.5	7.1
276094	64	6.13	0.1	59	< 100	198	< 1	< 0.1	3.19	< 0.1	10	41.2	82	78.4	3.3	9.98	1.9	1.66	3.2	12.1	0.100	2.6	65.5
276095	234	3.34	2.2	10	200	41	< 1	1.7	4.07	0.1	12	39.9	75	18.4	1.5	6.42	0.9	0.75	4.6	4.9	1.64	1.3	30.7
276096	11	6.88	0.2	12	< 100	101	< 1	< 0.1	5.62	0.3	13	50.2	96	127	1.1	10.3	2.1	0.23	4.3	23.2	1.15	3.7	71.9
276097	7	6.79	< 0.1	11	< 100	236	< 1	0.3	7.60	< 0.1	23	51.0	30	107	1.1	12.0	3.3	0.78	9.0	18.2	1.61	6.5	41.4
276098	< 5	7.13	< 0.1	9	< 100	158	< 1	0.1	4.18	< 0.1	23	43.8	21	53.3	1.0	10.3	2.7	0.66	8.6	7.2	3.23	0.9	39.4
276099	< 5	6.99	< 0.1	8	< 100	132	< 1	0.1	5.02	< 0.1	24	40.8	26	85.1	1.1	8.91	1.0	0.85	9.6	4.1	3.28	< 0.1	37.9
276100	< 5	8.16	< 0.1	9	< 100	8	< 1	0.2	0.16	< 0.1	2	< 0.2	6	0.3	0.7	0.12	0.2	3.73	1.0	26.0	8.88	< 0.1	0.4
276101	6	6.70	< 0.1	9	< 100	164	< 1	0.2	4.75	< 0.1	31	55.2	10	20.1	1.6	11.1	2.5	1.05	12.3	19.9	1.65	0.2	17.3
276102	15	5.88	< 0.1	12	< 100	4	< 1	< 0.1	10.8	0.2	5	19.9	63	166	0.2	4.78	0.5	0.01	1.6	6.6	0.015	0.9	41.8
276103	< 5	7.52	< 0.1	11	< 100	125	< 1	0.2	4.48	< 0.1	6	75.8	74	67.8	3.9	9.47	1.0	1.10	2.3	30.4	1.47	1.5	154
276104	< 5	9.76	< 0.1	75	< 100	725	2	0.4	0.11	< 0.1	61	18.0	95	60.0	6.1	4.95	3.7	2.28	29.1	25.3	0.490	2.5	72.3
276105	5	7.88	< 0.1	19	< 100	543	1	0.2	0.98	< 0.1	62	13.9	96	40.3	2.6	3.15	4.0	1.27	30.3	13.8	3.43	3.9	50.3
276106	5	6.57	< 0.1	16	< 100	386	1	0.2	1.72	< 0.1	40	13.4	111	20.0	3.2	3.49	0.5	1.59	18.3	15.4	1.72	3.7	56.5
276107	7	6.49	< 0.1	32	< 100	428	1	0.2	2.00	< 0.1	49	13.4	104	32.5	4.0	2.67	2.9	1.71	24.2	20.6	1.27	3.8	29.1
276108	18	5.26	< 0.1	107	< 100	410	1	0.3	0.42	< 0.1	21	15.0	164	25.7	2.4	2.26	3.5	1.20	9.3	9.5	2.81	6.6	43.7
276109	< 5	8.13	< 0.1	55	< 100	189	< 1	0.1	2.01	< 0.1	38	41.6	227	148	1.9	4.54	2.9	0.59	17.4	33.4	3.10	0.5	133
276110	< 5	7.11	< 0.1	17	< 100	237	1	0.1	4.58	< 0.1	33	17.3	168	55.5	1.3	3.36	2.2	0.61	16.0	5.8	4.52	2.1	124
276111	< 5	5.37	< 0.1	8	< 100	237	< 1	< 0.1	6.44	< 0.1	20	32.0	34	4.6	3.4	8.52	2.4	1.32	8.5	14.9	0.702	< 0.1	11.5
276112	< 5	5.09	< 0.1	8	< 100	138	< 1	< 0.1	8.29	0.1	8	29.3	29	9.6	2.8	6.10	1.0	1.09	3.3	3.2	1.90	0.5	37.2
276113	102	2.48	0.1	10	< 100	14	< 1	0.3	0.48	< 0.1	10	14.6	49	11.8	0.2	3.42	1.3	0.04	4.4	0.6	1.96	1.9	4.6
276114	< 5	6.72	< 0.1	10	< 100	363	< 1	< 0.1	2.96	< 0.1	30	41.9	9	71.0	1.6	9.53	2.2	0.46	11.9	11.6	2.28	< 0.1	16.6
276115	< 5	4.45	< 0.1	10	< 100	90	< 1	< 0.1	13.6	< 0.1	3	27.7	151	62.0	2.9	4.41	0.6	1.09	1.2	23.2	0.132	0.8	67.7
276116	< 5	6.94	< 0.1	8	< 100	101	< 1	< 0.1	5.76	< 0.1	17	45.0	23	59.1	1.6	8.32	1.7	0.90	6.8	4.7	2.71	< 0.1	37.8
276117	< 5	6.81	< 0.1	9	< 100	59	< 1	0.2	6.50	< 0.1	18	43.0	60	74.3	0.6	8.34	1.9	0.31	7.4	7.7	2.24	0.3	39.0
276118	< 5	6.53	0.2	10	< 100	132	< 1	0.5	4.20	< 0.1	14	47.1	22	39.6	1.7	8.48	2.0	0.70	5.7	12.1	2.70	3.1	39.8
276119	149	5.31	31.5	46	100	202	< 1	0.2	1.92	1.1	27	45.6	19	302	4.4	3.94	2.5	1.97	11.4	13.2	0.210	4.8	36.7
276120	10	4.78	0.4	8	< 100	37	< 1	< 0.1	4.15	0.1	20	23.2	26	58.1	1.0	8.00	2.0	0.24	8.1	1.7	3.47	0.4	9.2
276121	< 5	7.18	< 0.1	9	< 100	108	< 1	0.3	7.38	< 0.1	15	36.2	79	35.1	1.4	7.12	1.2	0.68	5.9	3.3	2.84	0.3	55.0

Results

Activation Laboratories Ltd.

Report: A16-10457

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
276089	0.007	70.7	11.4	< 1	0.17	99	2.4	1.0	3	2.2	6	0.3	8.1	0.083	0.55	1.9	5	2.4	18.2	28	164	
276090	0.061	21.7	5.9	< 1	2.06	1920	0.4	< 0.1	35	0.3	138	< 0.1	2.2	0.524	0.17	0.6	285	0.2	34.8	167	130	
276091	0.062	9.8	9.3	< 1	2.06	1990	0.9	0.7	33	1.5	253	0.2	2.2	0.891	0.18	0.6	340	0.6	32.1	280	135	
276092	0.034	17.5	4.9	< 1	3.03	1850	0.3	< 0.1	39	0.4	124	< 0.1	0.4	0.749	0.11	0.1	304	0.3	21.4	116	59.8	
276093	0.042	43.9	1.2	< 1	0.44	747	2.4	0.5	3	0.7	29	0.2	0.9	0.168	0.31	0.2	37	2.5	11.9	19	58.4	
276094	0.042	50.8	2.9	< 1	1.24	1220	0.7	1.0	27	1.2	23	0.1	0.4	0.689	0.50	0.1	289	26.3	10.3	115	70.2	
276095	0.019	31.4	49.1	4	1.14	968	85.3	2.1	15	0.8	153	< 0.1	0.4	0.187	0.26	0.2	58	19.0	11.8	43	33.4	
276096	0.046	4.8	2.9	< 1	3.57	1710	0.6	1.4	31	1.6	201	0.2	0.4	0.934	< 0.05	< 0.1	352	0.9	28.8	183	68.1	
276097	0.056	18.9	9.7	1	2.99	1730	4.1	1.8	28	1.7	414	0.4	1.5	0.777	0.33	0.6	270	2.1	27.1	143	121	
276098	0.052	23.8	4.0	< 1	2.88	1540	1.5	< 0.1	31	1.3	107	< 0.1	1.8	0.592	0.18	0.5	211	0.2	26.4	116	95.6	
276099	0.043	30.3	4.0	< 1	2.77	1580	0.1	< 0.1	30	0.3	107	< 0.1	1.8	0.196	0.28	0.4	139	< 0.1	26.1	129	32.4	
276100	0.002	47.8	4.2	< 1	0.01	23	< 0.1	0.2	< 1	0.5	13	< 0.1	0.2	< 0.001	0.69	< 0.1	< 4	< 0.1	1.2	2	11.2	
276101	0.063	42.6	2.9	< 1	2.79	2130	< 0.1	< 0.1	29	1.1	50	< 0.1	2.4	0.432	0.34	0.5	145	< 0.1	33.6	176	91.0	
276102	0.014	0.6	6.4	< 1	1.16	2530	0.3	2.4	23	0.7	146	< 0.1	0.2	0.270	< 0.05	< 0.1	153	0.3	8.7	49	14.7	
276103	0.020	52.1	2.2	1	5.81	1440	0.5	0.7	29	0.6	79	< 0.1	0.2	0.405	0.44	< 0.1	190	0.4	12.3	89	35.7	
276104	0.045	94.2	12.1	< 1	1.08	256	2.1	0.7	17	1.7	54	< 0.1	10.8	0.397	1.38	3.0	125	0.5	13.8	67	143	
276105	0.046	43.6	8.4	< 1	0.95	498	1.1	1.7	9	1.3	231	0.2	11.9	0.298	0.34	3.5	62	1.0	11.1	50	165	
276106	0.043	55.6	6.6	< 1	1.06	675	1.6	1.4	9	1.4	212	< 0.1	10.4	0.256	0.41	3.3	61	1.3	15.8	46	44.7	
276107	0.040	60.2	5.9	< 1	0.97	567	1.3	2.9	8	1.1	207	0.1	8.5	0.246	0.50	2.4	58	4.6	9.1	31	125	
276108	0.037	33.6	7.4	< 1	0.36	486	0.6	3.5	6	1.2	75	0.5	3.2	0.277	0.43	1.4	60	10.3	7.4	15	150	
276109	0.048	17.5	2.7	< 1	1.72	766	0.6	0.4	17	0.7	149	< 0.1	5.6	0.366	0.17	1.7	125	0.3	10.3	49	116	
276110	0.044	18.3	3.4	< 1	1.83	1210	2.0	2.5	11	0.8	256	< 0.1	4.5	0.256	0.16	1.2	73	0.2	10.6	33	86.4	
276111	0.037	57.9	2.7	< 1	1.55	2120	< 0.1	0.5	22	0.2	45	< 0.1	1.5	0.285	0.44	0.4	144	< 0.1	15.5	72	95.0	
276112	0.028	43.6	1.9	< 1	1.23	2340	0.3	1.5	21	0.4	55	< 0.1	0.6	0.258	0.35	0.2	120	0.2	10.6	39	41.2	
276113	0.025	1.2	2.9	1	0.02	170	36.6	2.2	4	0.7	20	0.1	0.7	0.245	< 0.05	0.2	26	16.3	8.4	10	48.2	
276114	0.066	9.5	3.8	< 1	1.58	1580	< 0.1	< 0.1	30	0.1	132	< 0.1	2.3	0.168	0.07	0.6	128	< 0.1	32.2	132	87.2	
276115	0.011	48.9	0.7	< 1	2.68	1160	< 0.1	0.3	17	0.4	65	< 0.1	0.1	0.219	0.30	< 0.1	108	0.4	7.9	49	19.7	
276116	0.031	30.5	4.9	< 1	2.62	1650	< 0.1	< 0.1	32	0.3	146	< 0.1	1.3	0.294	0.25	0.4	173	< 0.1	19.6	89	65.8	
276117	0.035	10.2	4.3	< 1	3.14	1420	0.1	< 0.1	29	0.8	150	< 0.1	1.4	0.423	0.06	0.3	197	< 0.1	20.5	85	70.2	
276118	0.033	24.9	69.7	< 1	3.03	1180	1.0	0.4	28	1.0	88	0.2	1.1	0.524	0.22	0.3	207	1.3	16.8	98	72.9	
276119	0.046	61.6	104	< 1	0.73	836	2290	15.2	6	1.2	21	0.3	1.8	0.185	1.69	0.5	100	10.2	8.6	146	102	
276120	0.053	9.6	5.7	< 1	1.00	1300	5.4	1.0	20	1.0	78	< 0.1	1.3	0.428	0.07	0.3	196	0.9	10.8	63	75.1	
276121	0.024	25.9	7.8	< 1	2.11	1430	2.6	0.2	33	0.4	311	< 0.1	1.0	0.268	0.21	0.3	144	0.1	18.5	75	41.5	

Analyte Symbol	Au	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppb	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	5	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-1 Meas		1.85	33.3	347	> 2000	622	< 1	1240	0.76	2.6	15	7.4	65	1060	2.7	22.9	0.5	0.04	6.9	7.0	0.040	0.6	62.3
GXR-1 Cert		3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas		6.39	3.5	91	200	100	2	16.8	0.92	0.4	109	12.3	49	5800	2.6	2.91	1.2	2.36	53.6	10.6	0.501	8.2	38.0
GXR-4 Cert		7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0
SDC-1 Meas		8.58		6		592	3		0.97		85	16.6	45	29.7	4.0	4.65	1.0	1.92	36.2	35.7	1.55	0.1	34.2
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.00	1.52	21.00	38.0
GXR-6 Meas		10.7	< 0.1	245	100	1030	1	0.2	0.15	0.1	30	12.5	68	94.4	4.1	5.12	2.7	1.14	9.8	34.0	0.094	0.6	22.8
GXR-6 Cert		17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
DNC-1a Meas						102						52.6	187	93.5					3.5	4.6		1.5	249
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
OREAS 45d (Fire Assay) Meas					< 100																		
OREAS 45d (Fire Assay) Cert					23																		
OREAS203 Meas	828																						
OREAS203 Cert	871.000																						
SBC-1 Meas				26		635	3	0.6		0.4	105	20.7	89	30.1	8.1		3.1		45.7	160		9.7	81.1
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163.0		15.3	82.8
SdAR-M2 (U.S.G.S.) Meas						874	6	1.0		5.5	94	11.3	41	227	1.7		2.0		40.5	17.3		3.5	45.8
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8
276089 Orig		4.69	< 0.1	24	< 100	498	< 1	< 0.1	0.34	< 0.1	48	1.2	23	12.6	1.9	1.13	4.4	2.15	20.7	1.3	0.045	7.5	2.3
276089 Dup		4.66	< 0.1	23	< 100	506	< 1	< 0.1	0.36	0.2	51	1.2	26	13.3	2.0	1.15	4.5	2.28	22.0	1.3	0.047	8.1	2.2
276098 Orig	< 5																						
276098 Dup	< 5																						
276108 Orig	18																						
276108 Dup	18																						
276118 Orig	< 5	6.39	0.2	10	< 100	131	< 1	0.5	4.20	< 0.1	14	47.0	23	38.8	1.6	8.43	2.0	0.68	5.5	12.2	2.69	3.3	40.6
276118 Dup	< 5	6.67	0.2	9	< 100	132	< 1	0.5	4.19	< 0.1	15	47.2	21	40.3	1.7	8.54	2.0	0.72	5.9	12.1	2.70	2.8	39.1
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.01	< 0.1	7	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	2.0	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.001	< 0.1	0.2

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	
GXR-1 Meas	0.053	2.3	749	< 1	0.18	840	17.2	16.7	1	25.2	261	< 0.1	2.6	0.025	0.38	31.7	68	126	26.7	704	20.2	
GXR-1 Cert	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0	
DH-1a Meas													918		2430							
DH-1a Cert													910		2629							
GXR-4 Meas	0.120	94.3	49.8	2	1.51	150	305	4.7	7	6.9	187	0.4	20.2	0.287	3.20	5.8	76	34.3	12.9	71	39.2	
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186	
SDC-1 Meas	0.053	81.3	25.2		0.94	833		< 0.1	13	0.3	152	< 0.1	12.3	0.198	0.62	2.8	46	< 0.1		100	39.7	
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00	
GXR-6 Meas	0.033	42.2	103	< 1	0.45	979	0.8	0.3	21	0.8	29	< 0.1	4.5		2.25	1.2	148	0.2	10.1	126	99.4	
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110	
DNC-1a Meas		2.9	6.2					0.4	28		130			0.294			129		15.6	62	39.3	
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0	
OREAS 45d (Fire Assay) Meas																						
OREAS 45d (Fire Assay) Cert																						
OREAS203 Meas																						
OREAS203 Cert																						
SBC-1 Meas		93.4	37.3				2.1	1.0	18	2.4	155	0.6	16.2	0.448	0.92	5.9	189	1.4	29.6	189	124	
SBC-1 Cert		147	35.0				2.40	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186.0	134.0	
SdAR-M2 (U.S.G.S.) Meas		83.7	776				12.1		3		124	< 0.1	13.9			2.5	21	0.2	23.1	738	90.8	
SdAR-M2 (U.S.G.S.) Cert		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259	
276089 Orig	0.007	70.1	11.3	< 1	0.17	95	2.4	1.0	3	2.2	6	0.2	8.0	0.081	0.54	1.9	4	2.3	18.0	27	162	
276089 Dup	0.007	71.3	11.4	< 1	0.17	103	2.4	1.1	3	2.2	6	0.3	8.2	0.085	0.56	1.9	5	2.6	18.4	29	167	
276098 Orig																						
276098 Dup																						
276108 Orig																						
276108 Dup																						
276118 Orig	0.033	21.4	69.2	< 1	3.04	1180	1.1	0.4	28	1.1	89	0.2	1.0	0.528	0.22	0.3	208	1.5	16.3	97	72.3	
276118 Dup	0.033	28.3	70.3	< 1	3.02	1170	1.0	0.3	29	1.0	88	0.1	1.2	0.520	0.22	0.3	207	1.2	17.3	99	73.4	
Method Blank																						
Method Blank																						
Method Blank	0.002	< 0.1	< 0.1	< 1	< 0.01	11	0.1	< 0.1	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.2	