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Assessment Report on the 2016 Relogging / Resampling Program

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

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

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1.0 Summary

Between late August and late October 2016, a resample and relogging program was conducted by Greenstone Gold Mines GP Inc. on historic Brookbank East drillholes that were originally drilled and logged in 1981 and 2009. The Brookbank East property (hereafter simply referred to as “the Property”) is located 15 kilometres northeast of the town of Beardmore, Ontario in the municipality of Greenstone.

A total of fifteen (15) drillholes were entirely remeasured and relogged and all missing sample gaps were filled in to ensure the holes were totally sampled from top to bottom. No additional drilling was completed on the historic holes. In total, 1656 metres of relogging was done and 1281 metres of resampling.

The effort was conducted to prepare for an exploration drill campaign that would be completed in Q3 and Q4 of 2016 in the Brookbank East area. The historic holes intersected the same Fe-Carbonate shear zone that was to be targeted in 2016, however, it was thought that historical diamond drill hole assays were not representative of the tenor of mineralization because the holes were poorly sampled, and the mineralized zone is extremely friable, which likely caused low core recovery.

2.0 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, which constitutes the Eastern region of the property (known as Brookbank East).

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 30°C to 5°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.

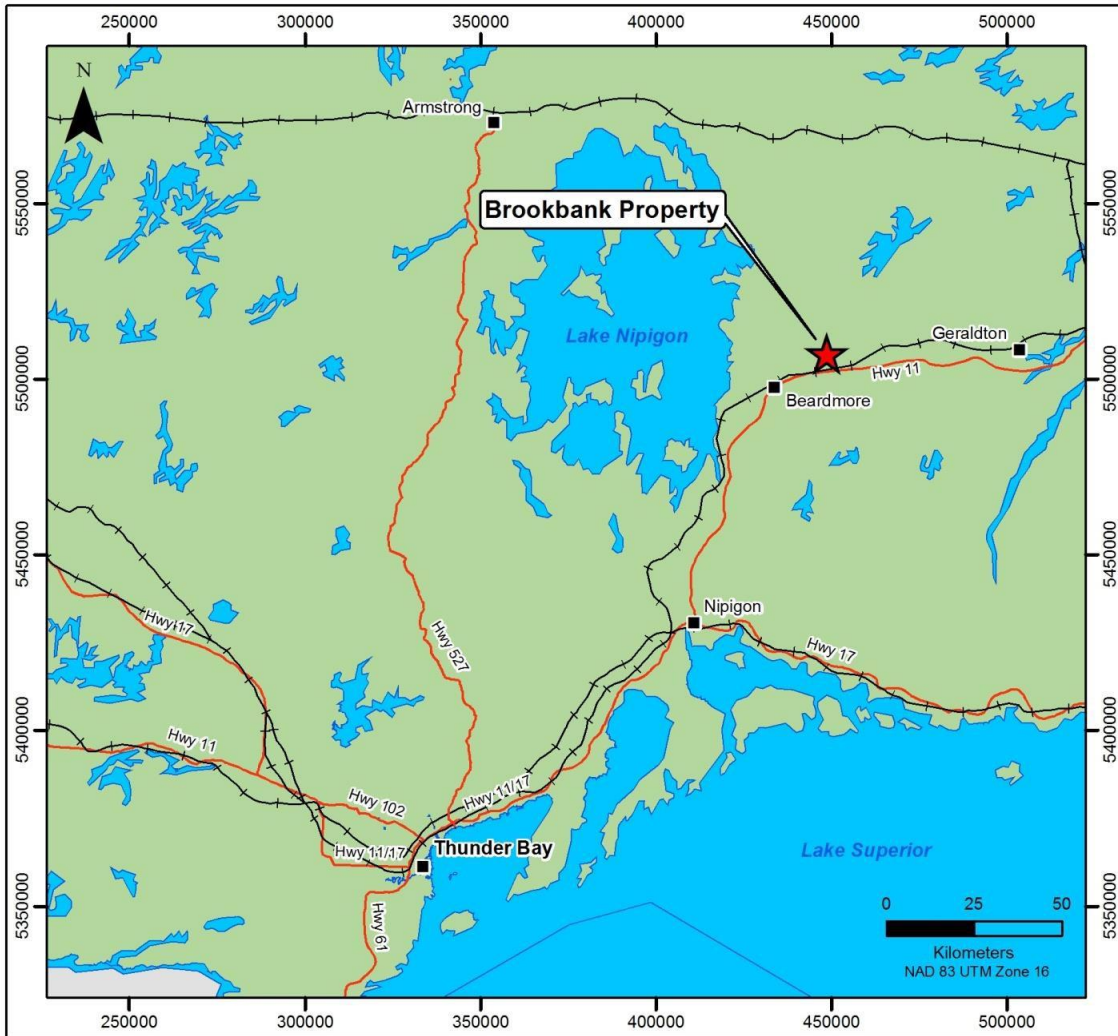


Figure 1 Property Location Map.

3.0 Land Tenure

The Brookbank property consists of 613 unpatented mining claims and 77 mining leases totaling to 690 mining claims. The Brookbank property covers 15,847.89 ha which includes the Brookbank and Brookbank East, 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.

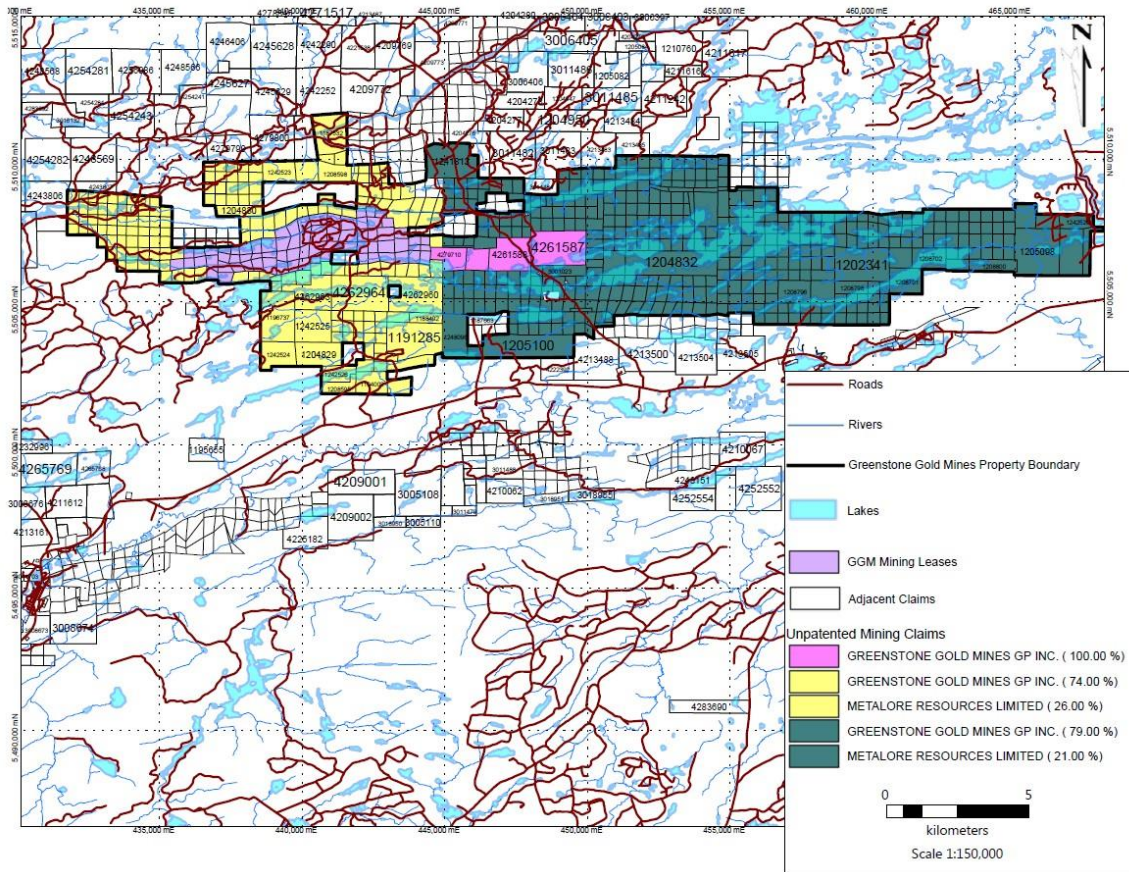


Figure 2 Land tenure of the Brookbank claim block, including joint venture agreements.

The work detailed in this report was conducted on 2 mining leased claims. The claims are 100% owned by Greenstone Gold Mines. See table 1 for claim information.

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

Township	Claim ID	Lease	Recording Date	Claim Due Date	Claim Type	Percent Option
Irwin	TB29029	109291	2012-Jun-01	2033-May-31	Lease	100% GGM
Irwin	TB29030	109291	2012-Jun-01	2033-May-31	Lease	100% GGM

4.0 Geological Setting

4.1 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).

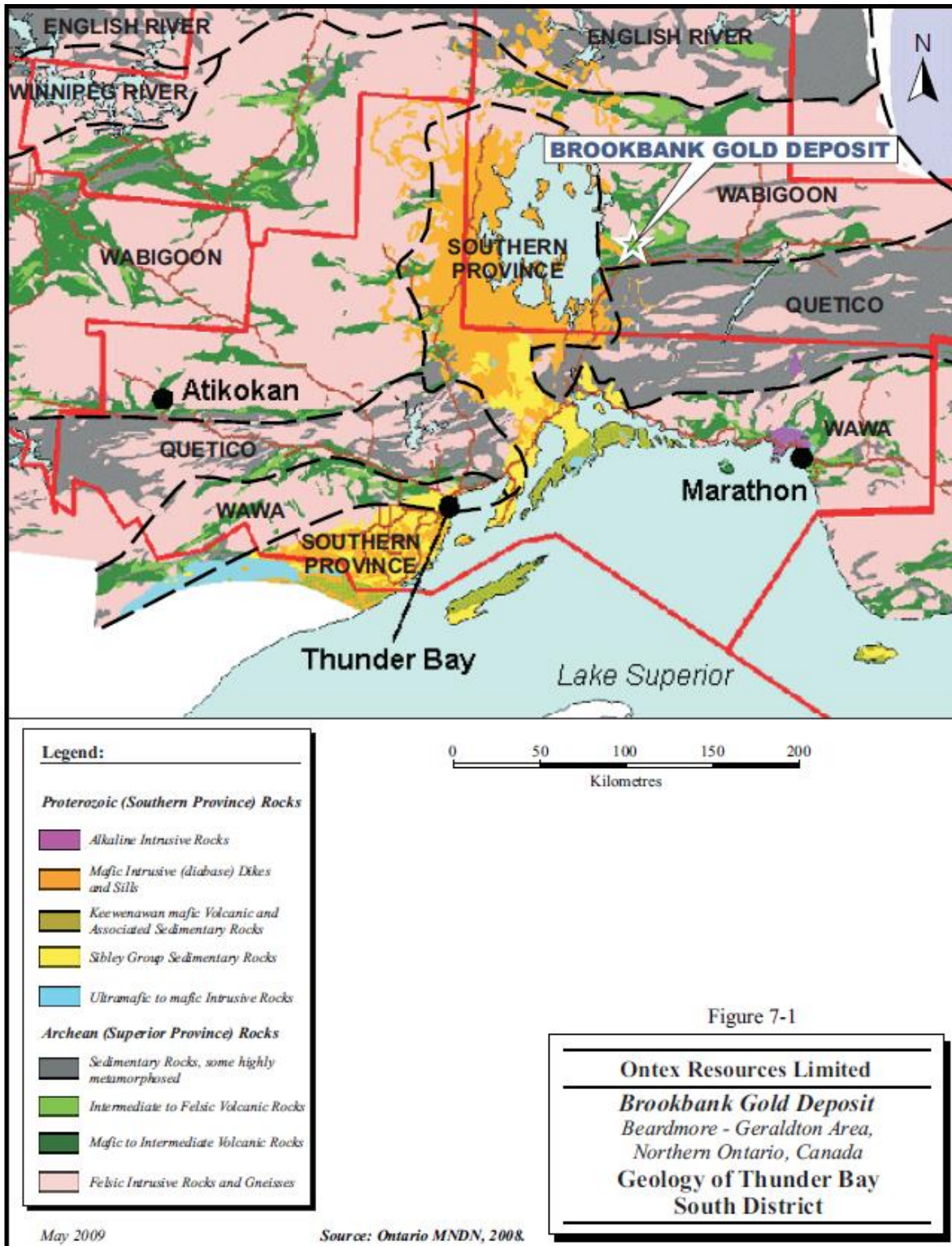


Figure 3 Regional Geology (from Blakely and Moreton, 2009).

4.2 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.

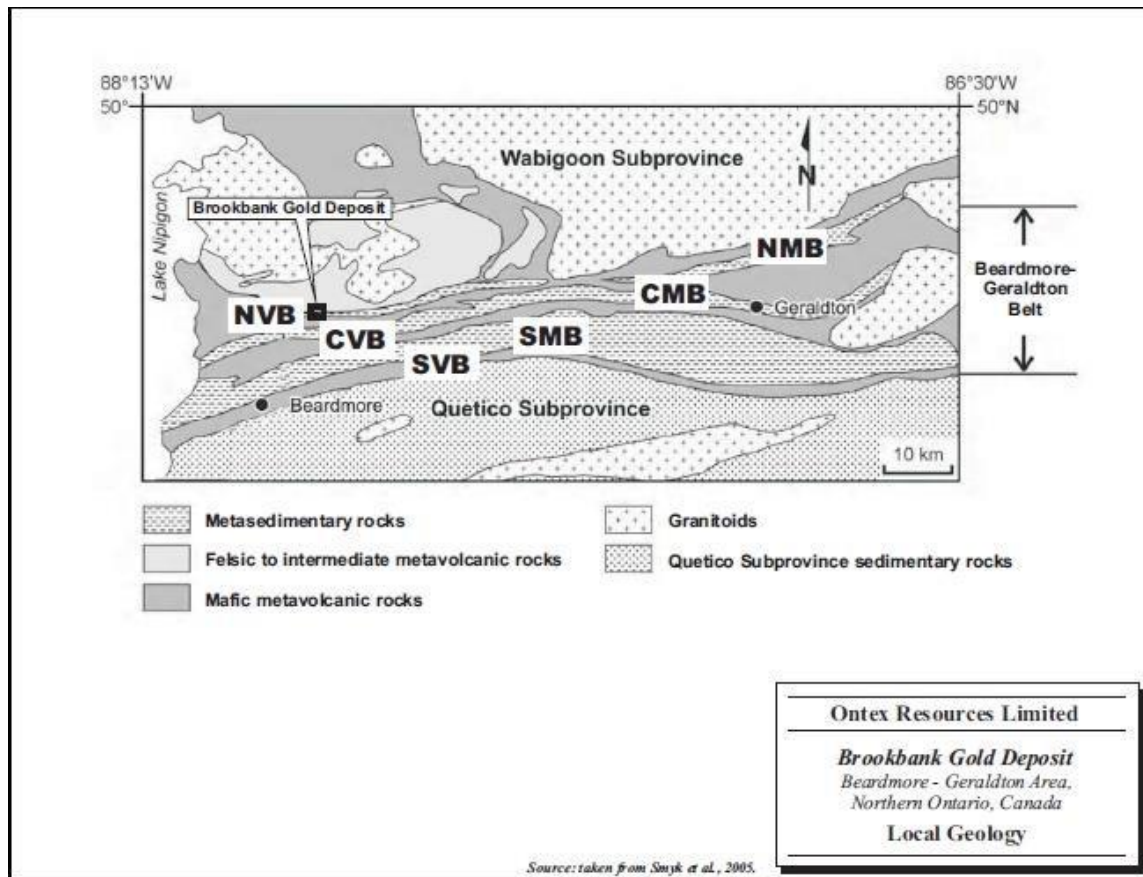


Figure 4 Local Geology (from Blakely and Moreton, 2009).

4.3 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 quartzporphyritic, 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 feldsparporphyritic 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.

4.4 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.

4.5 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.

4.6 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 kilometres along strike through Irwin Township and remains open in either direction.

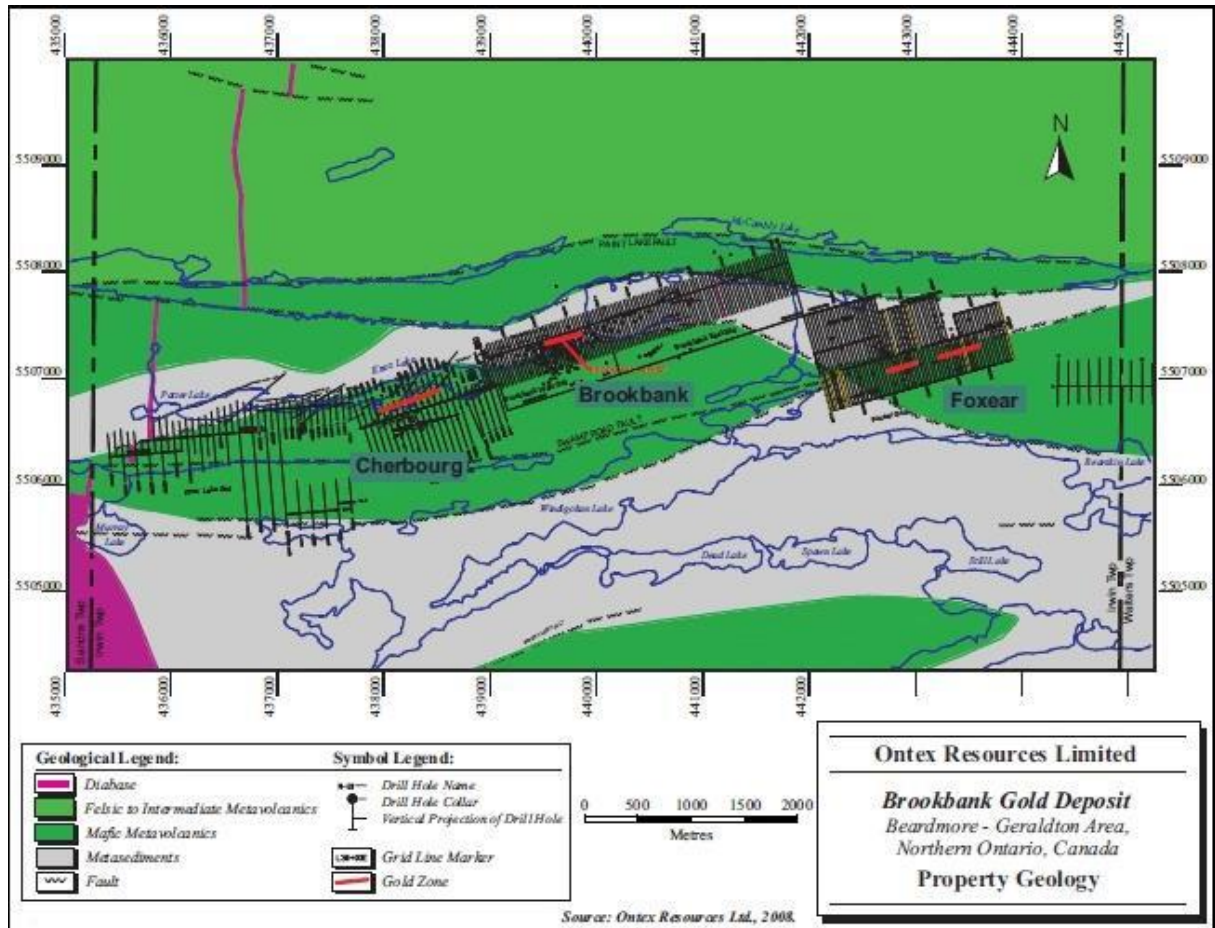


Figure 5 Property Geology (from Blakely and Moreton, 2009).

5.0 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 totalling 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 totalling 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 totalling 4,421 m, six holes on the Cherbourg Zone totalling 6,684 m, and 26 holes on the Foxear Zone totalling 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.

6.0 2016 Relogging and Resampling

6.1 The Program

The 2016 Brookbank East Relogging program revisited historic holes from 1981 and 2009 to prepare for a drill program that would be completed in Q3 and Q4 of 2016. In total, 15 drillholes were revisited, totaling 1656 metres of relogging and 1281 metres of resampling. The holes were entirely remeasured and relogged from top to bottom, and all missing sample gaps were filled in. No additional drilling was completed on the historic holes. The historic holes took place on a combined 2 leased mining claims outlined in Table 2 and Figure 7 (plan map). Their geographic location is also shown in Figure 6. Drill hole logs can be found in Appendix C, drill sections in Appendix D and assay certificates in Appendix E.

Table 2 Drill Hole Information.

Hole_ID	Campaign	Lease_ID	Easting	Northing	Elevation	Max_Depth	Dip	Azimuth
M-1	BB East	TB29030	440635	5507698	325	126.19	-45	162
M-10	BB East	TB29029	440949	5507603	330	108.51	-45	342
M-11	BB East	TB29029	440922	5507687	343	76.35	-45	162
M-2	BB East	TB29030	440655	5507631	329	61.57	-45	167
M-3	BB East	TB29030	440663	5507605	329	124.05	-45	162
M-4	BB East	TB29030	440766	5507590	335	124.05	-45	162
M-5	BB East	TB29029	440911	5507608	331	65.84	-45	180
M-6	BB East	TB29030	440823	5507601	330	129.7	-45	162
M-7	BB East	TB29030	440795	5507480	348	105.46	-45	342
M-8	BB East	TB29030	440736	5507466	342	83.52	-45	342
M-9	BB East	TB29029	440946	5507615	329	93.27	-45	162
B-09-29	BB East	TB29030	440732	5507576	336	52.8	-44.4	179.1
B-09-30	BB East	TB29030	440732	5507576	336	105.5	-64.8	180.8
B-09-31	BB East	TB29030	440735	5507576	336	129	-44.5	129.1
B-09-32	BB East	TB29030	440735	5507577	336	270	-61.7	126.6

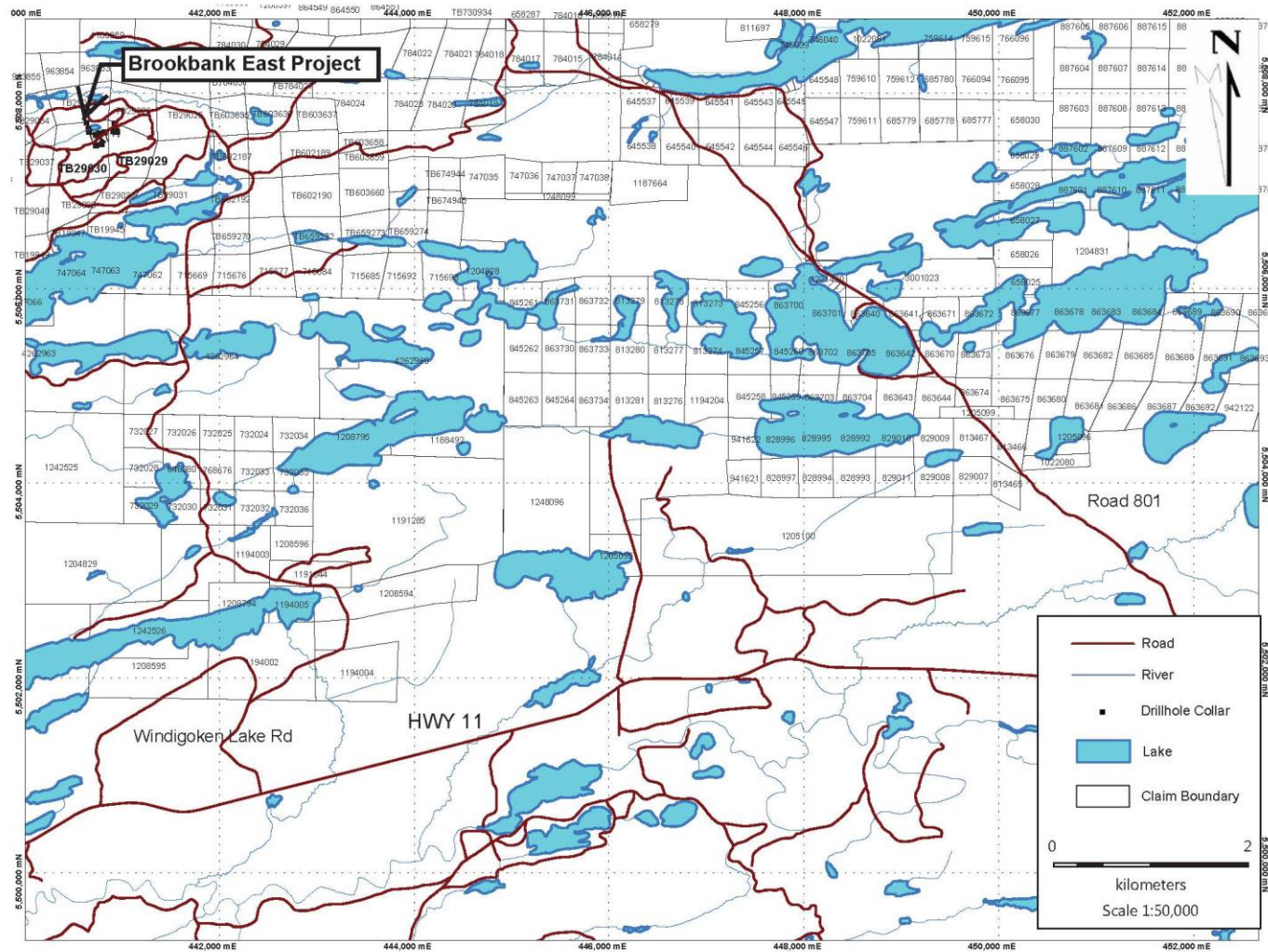


Figure 6 Geographic location of GGM's Brookbank East Property. The geographic location of the property is 441300 mE / 5507600 mN.

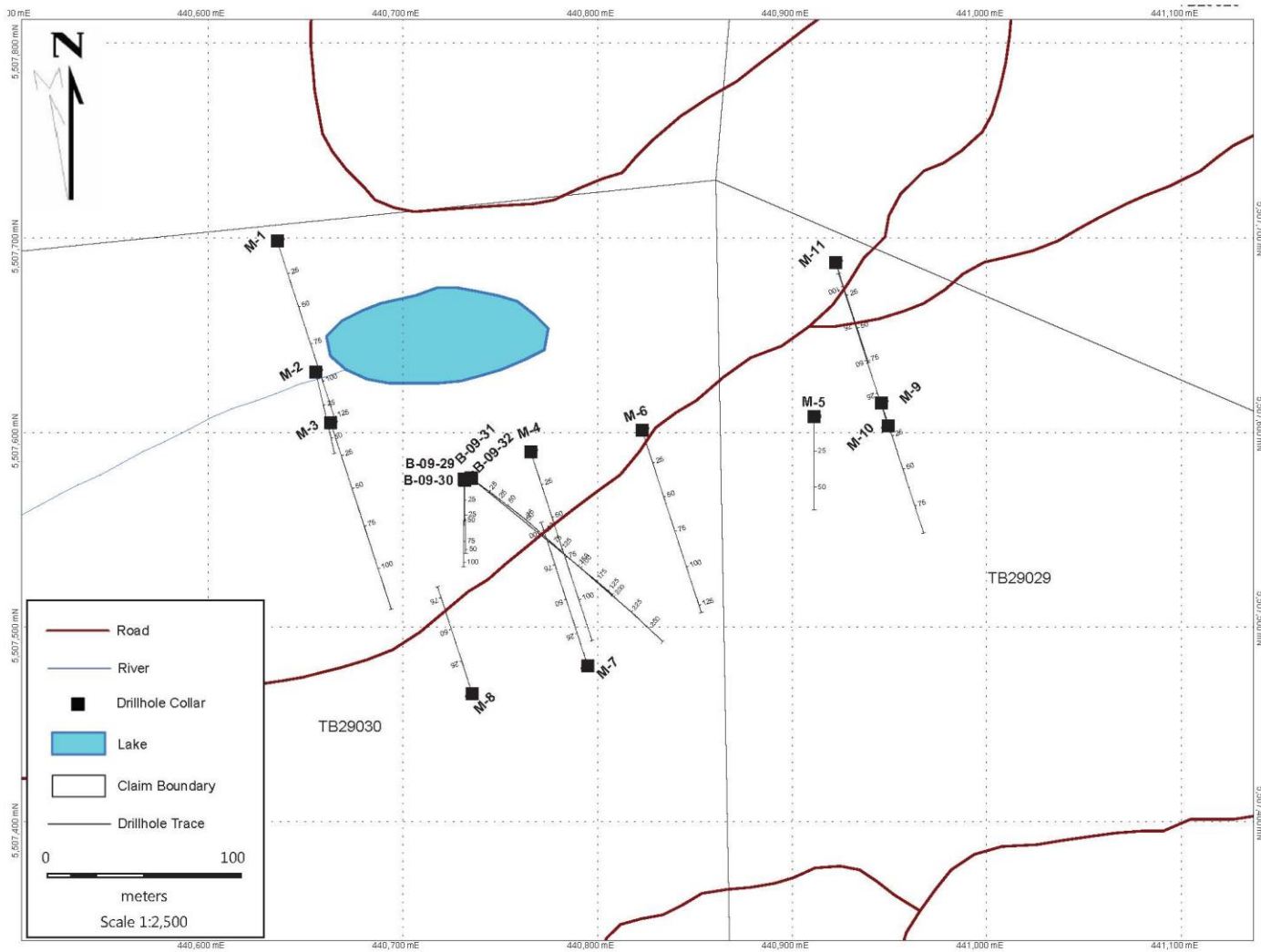


Figure 7 Brookbank East collars and traces. Claim numbers and boundaries shown.

6.1.1 Geoteching and Measuring

All the core was first remeasured by a geotechnician and all historic imperial units (i.e. feet) were changed to metric (i.e. metres). Original to and from sampling endpoints were preserved to ensure consistency with new data. The remeasuring of core proved to be a difficult task as the competency of the rock could be compared to poker chips and it was rare to see a portion of core greater than half of a metre.

6.1.2 Relogging

A student geologist relogged the entire hole from top to bottom using Datashed by Maxwell Geoservices. The program captured information on: lithology/rock type, alteration, structures, veining, mineralization and sampling. Previous logging descriptions were very vague (i.e. green rock) and inconsistent. As a result, all the lithologies were relogged and given a lithology denoted by texture and rock type. An example is pillowed mafic metavolcanics. See Appendix C for complete drill logs.

6.1.3 Resampling

985 intervals totaling 1280.92 metres were resampled by a student geologist. 985 samples were tested for Au by fire assay at Activation Laboratories Limited in Geraldton, Ontario. Samples that reached the upper Au limit were reassayed by fire assay gravimetrics.

979 of the 985 samples were sent to Activation Laboratories in Thunder Bay, Ontario and analyzed for trace elements. The methods performed were total digestion ICP-MS (all 979 samples) and aqua regia (for only 60 of the samples).

6.1.4 1981 Metalore Campaign

Metalore Resources Limited performed an exploration drill campaign on the Foxear Zone (part of the drilling constituted the Brookbank East shear zone) in late 1981. A total of 11 holes were drilled on Brookbank East by N. Morissette Diamond Drilling Limited based out of Haileybury, Ontario. All original assays were done by Swastika Laboratories Limited based out of Swastika, Ontario. All original logs were completed by G. Skrecky.

6.1.5 2009 Ontex Campaign

Ontex Resources Limited performed an exploration drill campaign in 2009 for Goldstone Resources that targeted the Brookbank East shear zone – volcanics a few hundred metres to the East of the main Brookbank Deposit. Results of the program were encouraging and warranted further drilling. The drilling was done by Bradley Bros. Limited (now Major Drilling) based out of Rouyn-Noranda, Quebec. The logging was done by Augusto Flores.

6.2 Work Dispersion Over Individual Claims

Drilling was performed on a total of 2 leased mining claims on the property, all of which are in the division of Thunder Bay. The following table outlines the surface projections and total metres on each of the mining leases. This table will be used as a reference for all expenditures that are presented as a cost per metre.

Table 3 Drillhole surface projection for reference at Brookbank East. Metres on each mining lease are shown.

Diamond Drill Holes Surface Projections, Brookbank East Property 2016																
Claim #	B-09-29	B-09-30	B-09-31	B-09-32	M-1	M-2	M-3	M-4	M-5	M-6	M-7	M-8	M-9	M-10	M-11	Total metres drilled/ claim (m)
TB29029									65.84				93.27	108.51	76.35	343.97
TB29030	52.8	105.5	129	270	126.19	61.57	124.05	124.05		129.7	105.46	83.52				1311.84
Total Metres Drilled (m)																1655.81

The following tables (Table 4 and Table 5) outline the manpower requirements for the program. Core was remeasured by a geotechnician. All core was relogged and resampled by a student geologist and then cut by a corecutter before sent to a laboratory for assay. The amounts are based on daily wages, equipment provided/used, and transportation. The total man power costs are calculated as a cost per metre. This is determined by dividing the total manpower costs by the total drilled metres. The total man power costs are then calculated per claim and hole using the reference table (see Table 5).

Student geologist - \$400/day

Geo-technician - \$300/day

Core cutter - \$300/day

Total man days: 75 days

Total metres relogged: 1655.16 m

Total man power cost: \$25,100

Man power cost / metre: $\frac{25100}{1655.16} = \$15.16 / \text{metre}$

Table 4 Manpower outline for 2016 Brookbank East resampling. Manpower is broken down by roles. Costs are listed at bottom.

Date	Student Geologist	Geotech	Core Cutters
24-Aug-16	1	1	
25-Aug-16	1	1	
26-Aug-16			1
27-Aug-16			1
28-Aug-16			
29-Aug-16			
30-Aug-16			
31-Aug-16			
01-Sep-16			
02-Sep-16			
03-Sep-16			
04-Sep-16			
05-Sep-16			
06-Sep-16			
07-Sep-16			
08-Sep-16			
09-Sep-16			
10-Sep-16			
11-Sep-16			
12-Sep-16			
13-Sep-16			
14-Sep-16			
15-Sep-16			
16-Sep-16			
17-Sep-16			
18-Sep-16			
19-Sep-16		1	
20-Sep-16	1	1	
21-Sep-16	1	1	
22-Sep-16	1	1	
23-Sep-16	1	1	1
24-Sep-16	1	1	1
25-Sep-16	1	1	1
26-Sep-16			1
27-Sep-16			1
28-Sep-16		1	
29-Sep-16	1	1	
30-Sep-16	1	1	
01-Oct-16	1	1	
02-Oct-16	1	1	
03-Oct-16	1	1	

04-Oct-16		1	
05-Oct-16	1	1	
06-Oct-16	1	1	
07-Oct-16	1	1	
08-Oct-16	1	1	
09-Oct-16	1	1	1
10-Oct-16	1	1	1
11-Oct-16	1	1	1
12-Oct-16	1	1	1
13-Oct-16			1
14-Oct-16		1	1
15-Oct-16	1	1	
16-Oct-16	1	1	
17-Oct-16	1	1	
18-Oct-16	1	1	
19-Oct-16		1	1
20-Oct-16	1	1	1
21-Oct-16			1
22-Oct-16			1
23-Oct-16			1
Total Days Worked	26	31	18
Daily Rate (\$)	400	300	300
Total (\$)	10400	9300	5400
Man Power Grand Total (\$)	25100		

Manpower Cost of \$15.16 / metre

Table 5 Manpower cost per hole and per claim. Total cost shown at bottom.

Hole_ID	Length	Man Power Cost per Hole	Claim	Man Power Cost per Claim
M-5	65.84	998.44	TB29029	5216.20
M-9	93.27	1414.41		
M-10	108.51	1645.52		
M-11	76.35	1157.82		
B-09-29	52.6	797.66	TB29030	19883.80
B-09-30	105.05	1593.05		
B-09-31	129	1956.25		
B-09-32	270	4094.47		
M-1	126.19	1913.63		
M-2	61.57	933.69		
M-3	124.05	1881.18		
M-4	124.05	1881.18		
M-6	129.7	1966.86		
M-7	105.46	1599.27		
M-8	83.52	1266.56		
Totals	1655.16			25100

The following tables outline the assay test and costing for each hole that was drilled. In table 6, “1A2-50” refers to a test for Au, while “1EX/MA200” and “1F2” refer to ICP-MS total digestion. Table 7 outlines the total assay costing per hole and claim. Grand totals for assay and man power costing are shown in Table 8.

Table 6 Assay costing per sample batch. Test “1A2-50” denotes Au. Test “1EX/MA200” and “1F2” denote ICP.

Hole_ID_1	Hole_ID_2	Hole_ID_3	Au_Batch_No	Voucher_No	Test 1	Test 2	Cost Before Tax
B-09-29	B-09-31		A16-08029	16-4312	1A2-50	1F2	1334
B-09-31			A16-08032	16-4299	1A2-50	1F2	1334
B-09-30	B-09-31	B-09-32	A16-08448	16-4978	1A2-50	1EX/MA200	1168
B-09-31			A16-08451	16-4980	1A2-50	1EX/MA200	817
B-09-30			A16-08452	16-4982	1A2-50	1EX/MA200	1154.5
B-09-31			A16-08659	16-4979	1A2-50	1EX/MA200	541
B-09-32			A16-08666	16-4986	1A2-50	1EX/MA200	1150.5
B-09-32			A16-08671	16-4984	1A2-50	1EX/MA200	376
B-09-30			A16-08786	16-4975	1A2-50	1EX/MA200	1158
B-09-32			A16-08788	16-4974	1A2-50	1EX/MA200	1150.5
B-09-32			A16-08789	16-4973	1A2-50	1EX/MA200	379.5
B-09-32	M-4		A16-08848	16-4977	1A2-50	1EX/MA200	1151
M-4			A16-08849	16-4908	1A2-50	1EX/MA200	1154.5
B-09-32	M-3		A16-08901	16-5381	1A2-50	1EX/MA200	1154.5
B-09-32	M-4		A16-08903	16-5380	1A2-50	1EX/MA200	1158
M-4			A16-08904	16-5287	1A2-50	1EX/MA200	1154.5
B-09-32			A16-08989	16-5128	1A2-50	1EX/MA200	1154.5
B-09-32			A16-08991	16-5757	1A2-50	1EX/MA200	276
M-10	M-3	M-5	A16-09028	16-5127	1A2-50	1EX/MA200	1154.5
M-3			A16-09029	16-5758	1A2-50	1EX/MA200	1085.5
M-10	M-3		A16-09102	16-5755	1A2-50	1EX/MA200	909.5
M-10	M-3		A16-09214	16-5783	1A2-50	1EX/MA200	1196.5
M-10	M-3		A16-09283	16-5784	1A2-50	1EX/MA200	1181.5

M-10	M-2	M-8	A16-09292	16-5785	1A2-50	1EX/MA20 0	1189
M-2	M-8		A16-09324	16-5782	1A2-50	1EX/MA20 0	1150.5
M-11	M-8		A16-09326	16-5382	1A2-50	1EX/MA20 0	890
M-11	M-8		A16-09389	16-5281	1A2-50	1EX/MA20 0	1147
M-11			A16-09391	16-5759	1A2-50	1EX/MA20 0	1154.5
M-11	M-7		A16-09455	16-5859	1A2-50	1EX/MA20 0	1154.5
M-7			A16-09458	16-5858	1A2-50	1EX/MA20 0	1189
M-7	M-9		A16-09459	16-5857	1A2-50	1EX/MA20 0	1192.5
M-9			A16-09462	16-5856	1A2-50	1EX/MA20 0	1189
M-1			A16-09592	16-5872	1A2-50	1EX/MA20 0	1154.5
M-1			A16-09643	16-5818	1A2-50	1EX/MA20 0	1147
M-1	M-6		A16-09652	16-5871	1A2-50	1EX/MA20 0	1154.5
M-6			A16-09656	16-5870	1A2-50	1EX/MA20 0	379.5
M-6			A16-10084	16-5786	1A2-50	1EX/MA20 0	1147
Total Cost (\$)							38532

Table 7 Assay cost per drill hole and claim, Brookbank 2016 resampling.

Claim	Hole_ID	Cost per Hole (\$)	Cost per Claim (\$)
TB29029	M-10	2746.25	7290.71
	M-11	2070.84	
	M-5	707.59	
	M-9	1766.016	
TB29030	B-09-29	1200.60	31241.29
	B-09-30	2390.36	
	B-09-31	3292.60	
	B-09-32	7149.20	
	M-1	2647.85	
	M-2	1026.21	
	M-3	3456.73	
	M-4	3040.53	
	M-6	2334.65	
	M-7	2574.15	
	M-8	2128.39	
	Total Assay Cost (\$)		

Table 8 Brookbank resampling 2016 total drill costing per claim number.

Cost Breakdown Per Claim			
Claim #	Man Power Cost (\$)	Assay Cost (\$)	Total (\$)
TB29029	5216.20	7290.71	12506.91
TB29030	19883.80	31241.29	51125.09
Total (\$)	25100	38532	63632

6.3 Conclusions and Recommendations

Between late August and late October 2016, 15 diamond drill holes at Brookbank East were entirely relogged and resampled from top to bottom. A field visit in late July of 2016 prompted exploration in Q3 of 2016. To prepare, historic drill holes in the Brookbank East area were relogged and sample gaps were filled in to ensure no mineralization or structures were missed. In total, 1656 metres of relogging and 1281 metres of resampling were completed. Several significant Au intersections were sampled historically (see table 9), however, many intervals were also missed as shown in table 10. The program rediscovered several thin Quartz – Fe-Carbonate – Pyrite extension veins in the hanging wall that contained up to 2.01 g/t Au (see table 10). This assisted in the drillhole planning that followed in Q3 of 2016, and increased confidence in historic data at Brookbank East.

Table 9 Historic significant Au intersections sampled 1981 and 2009, Brookbank East.

Hole_ID	Depth_From	Depth_To	SampleID	Au_ppm_Final	Comments
M-4	57.45	58.8	BB_501	1.35	Pillowed mafic volcanics with PY mineralized qz-crb veins
M-4	58.8	59.95	BB_502	1.15	Pillowed mafic volcanics with PY mineralized qz-crb veins
B-09-31	17.2	17.8	BB_461523	0.76	Discrete <1cm wide qz-calcite with PY veinlets in volcanics
B-09-31	85.7	86.6	BB_461532	0.85	Zone of intense qz-sericite-carbonate-pyrite +/- hematite alt'n. Silicified quartz veins.
B-09-31	87.15	88	BB_461534	0.63	Qtz-carb+py±hematite vein fr 87.15 - 87.50 m cutting mod'ly silicified volcanics
B-09-31	89.7	91	BB_461536	0.4	Qtz vein zone - dominantly cryptocrystalline texture with minor vugs; contains carbonates±albite+pyrite; fine euhedral pyrite;
B-09-32	73.7	75	177892	1.45	Weakly magnetic mafic volcanics
B-09-32	110.2	110.7	BB_461560	11.398	Highly silica-pyrite-

					hematite altered structure
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Table 10 Significant Au intersections sampled 2016, Brookbank East.

Hole_ID	Depth_From	Depth_To	SampleID	Au_ppm_Final	Comments
M-3	68.82	69.6	178349	0.447	Pillowed mafic volcanics with PY mineralized qz-crb veins
M-3	70.85	72	178351	0.542	Pillowed mafic volcanics with PY mineralized qz-crb veins
M-3	72	73.2	178353	1.38	Pillowed mafic volcanics with PY mineralized qz-crb veins
M-4	13.3	14.02	178128	0.992	Brecciated and silicified volcanics with PY mineralized fe-crb veins
M-4	41.8	42.4	178153	0.452	Brecciated and silicified volcanics with PY mineralized fe-crb veins
B-09-32	73.7	75	177892	1.45	Silicified mafic volcanic with PY mineralized fe-crb veins
B-09-32	100.9	102.17	177916	0.403	Contact with 20 cm fault zone. Silicified mafic volcanic with PY mineralized fe-crb veins
B-09-32	104.5	105.4	178044	2.01	Silicified mafic volcanic with PY mineralized fe-crb veins
B-09-31	71.5	73	177636	0.372	Pillowed mafic volcanics with PY mineralized qz-crb veins

7.0 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 Roscoe 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.

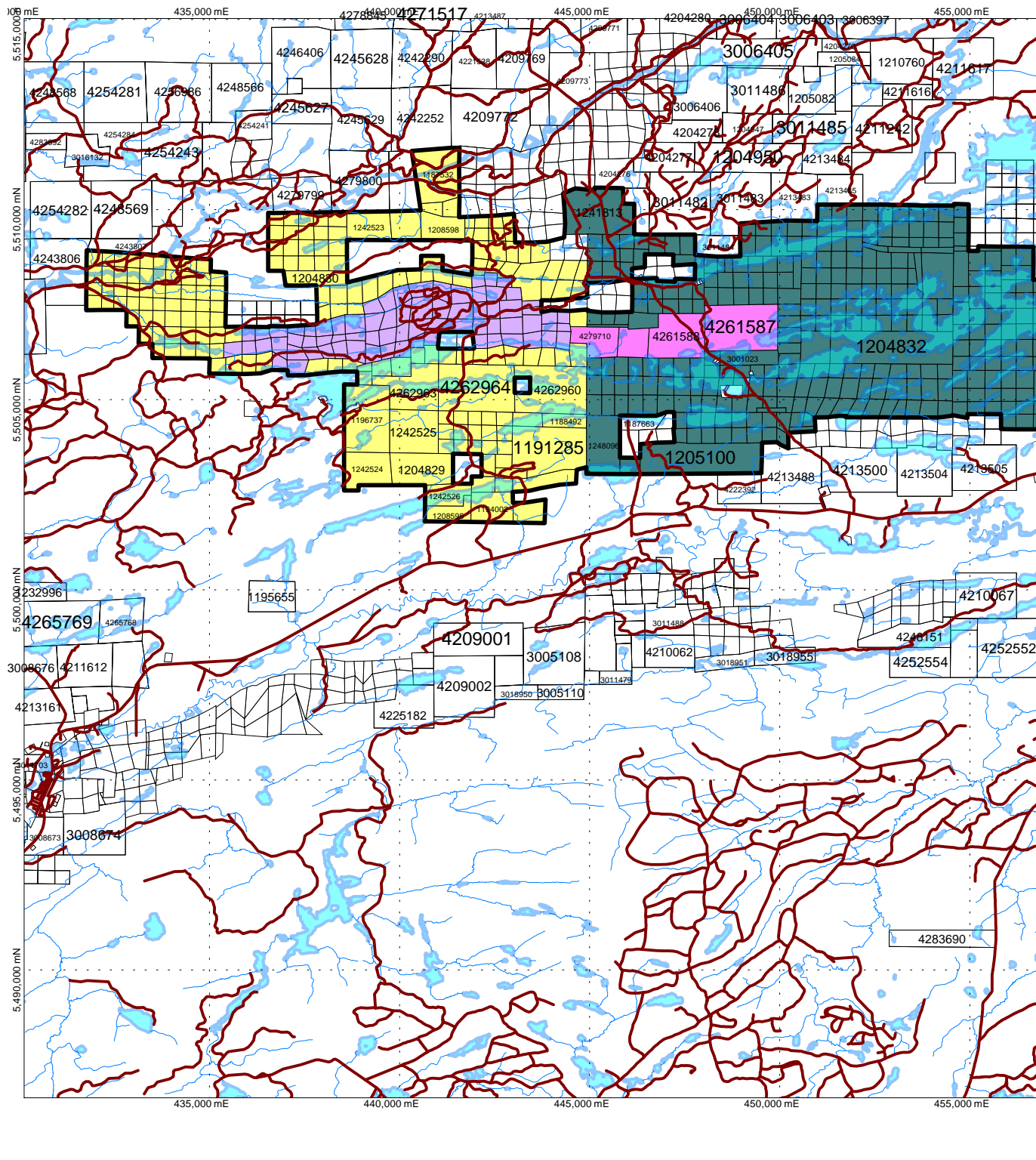
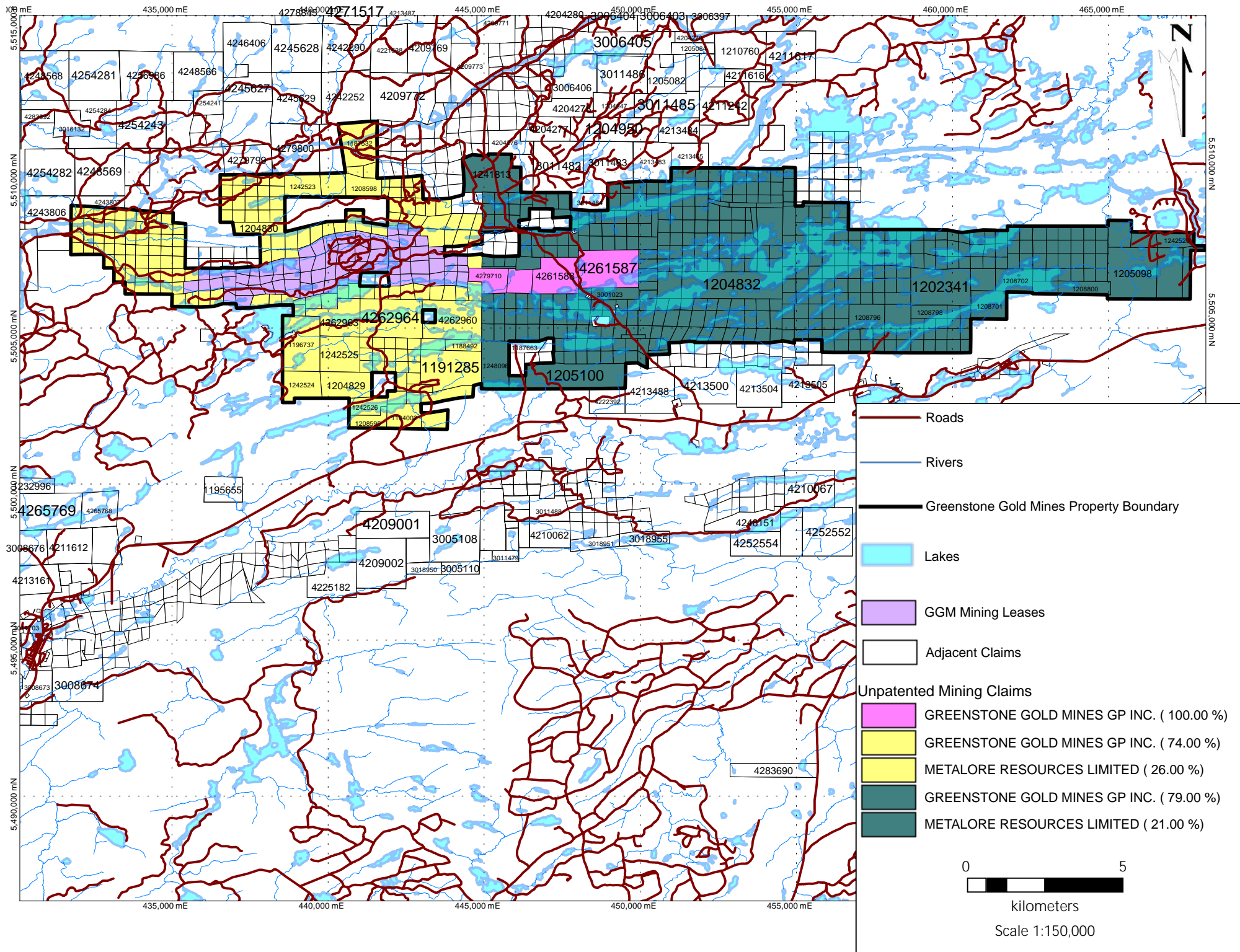
Skrecky, G. (1982) Summary report on the Brookbank Gold Property, Irwin Twp., Ontario. An unpublished report prepared for Metalore Resources Ltd.

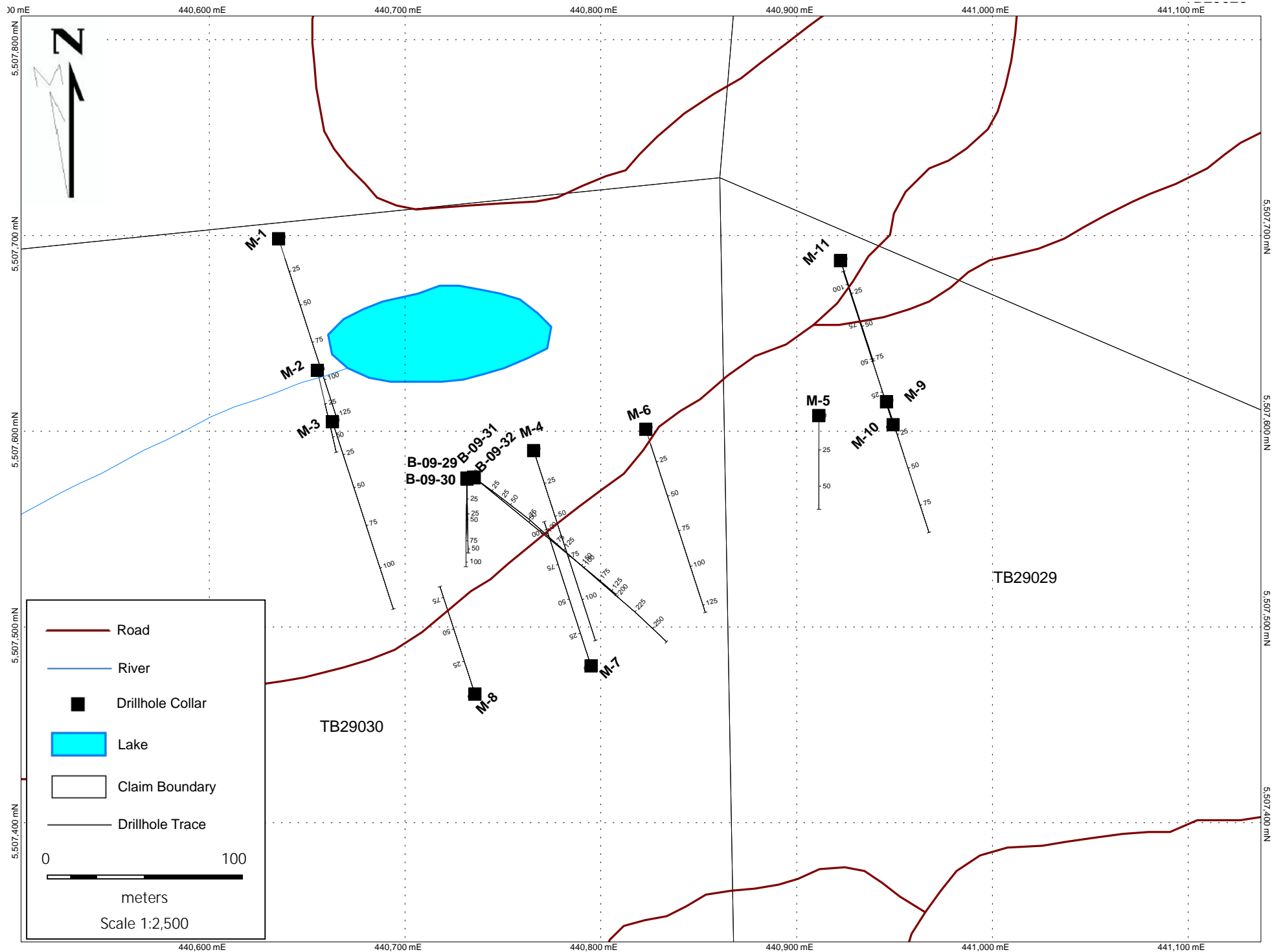
Smyk, M., Fralick, P. and Hart, T.R. (2005) Fieldtrip 1 - Geology and gold mineralization of the Beardmore-Geraldton greenstone belt *in* Proceedings of the 51st ILSG Annual Meeting, pp. 3-40.

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.





Drill Hole Log

Hole ID: B-09-29

DataSet: Jellicoe

Program: Exploration

Hole Status:	RELOGGED	Hole Length (m):	52.8	Logged By:	N/A
Hole Type:	Surface Drill Hole	Dip (°):	-44.4	Date Log Started:	N/A
Date Drill Started:	N/A	Azimuth:	179.1	Date Log Completed:	N/A
Date Drill Completed:	N/A	Survey Instrument	N/A		

Prospect:	Brookbank East	Company:	N/A
Grid ID:	UTM NAD 83 Zone 16N	Drill Contractor:	N/A
UTM East (m)	440,731.6	Survey Instrument:	GPS
UTM North (m)	5,507,575.6	Date Surveyed:	01/06/2009
Elevation (masl):	335.87	Surveyed By:	TBTE
Tenement ID:	TB29030	Tenement Type:	Lease
		Hole Diameter:	N/A
		Casing Size:	N/A
		Casing Depth (m)	N/A
		Core Storage:	N/A

Purpose: N/A

Comments: Relogged and resampled 2016 by M. Cote. Original source 1182 GEMS

Downhole Data Available

Max Survey Depth (m): 52.8

Max Sample Depth (m): 52.6

Depth Logged To (m) 52.6

Meters Sampled 63.35

Total Samples 66 **# Assay** 62 **# QAQC:** 4

Downhole Survey								
Depth	Dip	Azimuth (True)	Survey Instrument	Survey Method	Survey Company	Date Surveyed	Comments	Survey Accepted
0	-44.4	179.1	N/A	1182 GEMS			assume same as first test	N/A
50	-44.4	179.1	N/A	1182 GEMS			log header page	N/A
52.8	-44.4	179.1	N/A	1182 GEMS			repeat last test at EOH so GEMS will plot entire hole	N/A

Geology Summar							
<i>meters</i>							
From	To	Width	% Lith	Code	Rocktype	Texture	GrainSize
7.7	42	34.3		E1	Mafic Volcanic	Pillowed	
42	52.6	10.6		E1	Mafic Volcanic	Amygdular / Amygdaloidal	

DataSet: Jellicoe

Hole Length (m): 52.8

HoleID: B-09-29

Log Length (m): 52.6

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
7.7	42	34.3		E1	Mafic Volcanic	Pillowed		

Med green; FG; weak foliation with local high strain sections; pillowed metavolcanics with epidote; carbonate and potassic alteration associated with cm scale selvages and proximal veining. Patches of amygdules throughout interval (1-4mm in size; mafic and carbonate infill) ~5% veining (fracture filling qtz-crbb stockwork veins; epidote/potassic altered veins associated with pillow selvages; and pyrite mineralized qtz- Fe crbb veins with alteration halos) 2 sections 1-2m in length highly altered and mineralized brecciated qtz- Fe crbb veining sequences (@ ~9m and ~36m)

Alteration					
From	To	# Alteration	Intensity	Style	Comments
9.16	11	1: Silicified 2: Fe-Carbonate	Moderate (26-50%) Moderate (26-50%)	Localized Pervasive	Moderate silicification and carbonatization of brecciated qtz-iron crbb veining
14.74	33	1: Epidote 2: Fe-Carbonate 3: K-feldspar	Strong (51-75%) Moderate (26-50%) Strong (51-75%)	Patches Patches Spotted	Patchy/localized epidote; K-spar and carbonate alteration associated with veining proximal to pillow selvages
37.25	38.57	1: Silicified 2: Fe-Carbonate	Moderate (26-50%) Moderate (26-50%)	Localized Localized	Moderate silicification and carbonatization of brecciated qtz-iron crbb veining

Minerals						
From	To	# Mineral	GrainSize	Style	%	Comments
7.94	8.06	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crbb veins
		VG: No				
8	9.15	1: BB NC	-	-	-	A09-5360
		VG: No				
9.15	10.15	1: BB NC	-	-	-	A09-5360
		VG: No				
9.16	9.93	1: Pyrite	Fine grained	Scattered grains	2	Fine grained scattered pyrite associated with silicified/brecciated qtz- Fe crbb veining and alteration halos
		VG: No				
10.06	10.96	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crbb veins
		VG: No				
10.15	11	1: BB NC	-	-	-	A09-5360
		VG: No				

DataSet: Jellicoe

Hole Length (m): 52.8

HoleID: B-09-29

Log Length (m): 52.6

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
11	11.9	1: BB NC	-	-	-	A09-5360	VG: No	
11.23	14.57	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crb veins	VG: No	
11.9	13.4	1: BB NC	-	-	-	A09-5360	VG: No	
13.4	14.75	1: BB NC	-	-	-	A09-5360	VG: No	
15.04	18.49	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crb veins	VG: No	
19.78	22.94	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crb veins	VG: No	
23.26	24.64	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crb veins	VG: No	
25.17	25.32	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crb veins	VG: No	
26.27	26.5	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crb veins	VG: No	
28.39	28.73	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crb veins	VG: No	
29.25	29.62	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crb veins	VG: No	
30.41	32.18	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crb veins	VG: No	

DataSet: Jellicoe

Hole Length (m): 52.8

HoleID: B-09-29

Log Length (m): 52.6

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
33	34	1: BB NC	-	-	-	A09-5360		
		VG: No						
34	35	1: BB NC	-	-	-	"		
		VG: No						
35	35.9	1: BB NC	-	-	-	A09-5360		
		VG: No						
35.03	35.9	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crb veins		
		VG: No						
35.9	36.5	1: BB NC	-	-	-	A09-5360		
		VG: No						
35.9	37.28	1: Pyrite	Fine grained	Scattered grains	2	Fine grained scattered pyrite associated with silicified/brecciated qtz- Fe crb veining and alteration halos		
		VG: No						
36.5	37.2	1: BB NC	-	-	-	A09-5360		
		VG: No						
37.2	37.9	1: BB NC	-	-	-	A09-5360		
		VG: No						
37.28	37.88	1: Pyrite	Fine grained	Scattered grains	2	Fine grained scattered pyrite associated with silicified/brecciated qtz- Fe crb veining and alteration halos		
		VG: No						
37.9	38.4	1: BB NC	-	-	-	A09-5360		
		VG: No						
38.35	38.57	1: Pyrite	Fine grained	Scattered grains	2	Fine grained scattered pyrite associated with silicified/brecciated qtz- Fe crb veining and alteration halos		
		VG: No						
38.4	39.3	1: BB NC	-	-	-	A09-5360		
		VG: No						
38.87	39.92	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crb veins		
		VG: No						
39.3	40.7	1: BB NC	-	-	-	A09-5360		
		VG: No						

DataSet: Jellicoe

Hole Length (m): 52.8

HoleID: B-09-29

Log Length (m): 52.6

meters

From	To	Width	% Lith Code	Rocktype	Texture	GrainSize	Logged By
Structures							
From	To	Code	Structure Type	Comments			
9.16	11	FRA	Fracture	Fracturing/brecciation of silicified quartz-iron carb veins			
12.4	12.9	FOL	Foliation	Alignment/foliation of secondary mafic minerals/amygdules			
29.6	30.15	FOL	Foliation	Moderate foliation of mafic host			
37.25	40.5	BAN	Banding	Strong to very strong banded foliation in brecciated/silicified alteration halo of qtz-iron carb veining. Secondary shear fracturing shown by mm scale displacement of bands			
Veins							
From	To	# Vein Type	Style	% Core Angle °	Thickness (cm)	Comments	
9	12	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"		3 1.5		
12	15	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"		7 3.5	10cm lost from 13.16 to 13.26	
15	18	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"		6 3		
18	21	1: Quartz-Fe-Carbonate / K-Feldspar-epidote 2: Quartz-Fe-carbonate	Vein > 3" Stockwork Veins		11 7		
21	24	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"		3.7 3.5		
24	27	1: Quartz-Fe-Carbonate / K-Feldspar-epidote 2: Quartz-Fe-carbonate	Vein > 3" Stockwork Veins		7.8 5		
27	30	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"		5.7 4		
30	33	1: Quartz-Fe-Carbonate / K-Feldspar-epidote 2: Quartz-Fe-carbonate	Vein > 3" Stockwork Veins		11.4 7.7		
33	36	1: Quartz-Fe-Carbonate / K-Feldspar-epidote 2: Quartz-Fe-carbonate	Vein > 3" Stockwork Veins		16.6 5.8		

DataSet: Jellicoe

Hole Length (m): 52.8

HoleID: B-09-29

Log Length (m): 52.6

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Veins								
From	To	# Vein Type			Style	%	Core Angle °	Thickness (cm) Comments
36	39	1: Quartz-Fe-Carbonate / K-Feldspar-epidote			Vein > 3"			4.2 20cm lost from 38.01-38.21
		2: Quartz-Fe-carbonate			Stockwork Veins			1.3
39	42	1: Quartz-Fe-Carbonate / K-Feldspar-epidote			Vein > 3"			6.1
		2: Quartz-Fe-carbonate			Stockwork Veins			3.7
42	52.6	10.6		E1	Mafic Volcanic			Amygdular / Amygdaloidal

Med green; FG; weak foliation in similar litho as above but lacking pillow selvages. 5% veining (same as above) Local amydules as above (mafic and carbonate infill) Epidote and potassic alteration associated with some veining.

Minerals							
From	To	# Mineral	GrainSize	Style	%	Comments	
43.75	43.79	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crb veins	
		VG: No					
47.23	47.67	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crb veins	
		VG: No					
48.17	48.26	1: Pyrite	Fine grained	Scattered grains	0.5	Fine grained scattered pyrite associated with alteration halo of qtz- Fe crb veins	
		VG: No					

Veins								
From	To	# Vein Type			Style	%	Core Angle °	Thickness (cm) Comments
42	45	1: Quartz-Fe-Carbonate / K-Feldspar-epidote			Vein > 3"			7
		2: Quartz-Fe-carbonate			Stockwork Veins			3.4
45	48	1: Quartz-Fe-Carbonate / K-Feldspar-epidote			Vein > 3"			3.9 15cm taken for hand sample from 46.35 to 46.5
		2: Quartz-Fe-carbonate			Stockwork Veins			1.6
48	51	1: Quartz-Fe-Carbonate / K-Feldspar-epidote			Vein > 3"			10.3
		2: Quartz-Fe-carbonate			Stockwork Veins			4.8

Downhole Samples
and Assay Results



DataSet: Jellicoe

Hole Length (m): 52.8

Primary Assay Samples: 62 93.94 %

HoleID: B-09-29

Max Samp Depth (m): 52.6

Field Duplicate Samples: 1 1.52 %

Standard/Blank Samples: 3 4.55 %

Total meters Sampled: 63.35

Total Samples: 66

<i>meters</i>			SampleID	Type	Original SampleID	StandardID	Batch #	Au (g/t)	Comments
From	To	Width							
7.7	8	0.3	177551	CORE			A16-08029	0.006	
14.75	15.74	0.99	177552	CORE			A16-08029	0.016	
		0	177553	STD		CDN_GS_5K	A16-08029	3.41	
15.74	16.94	1.2	177554	CORE			A16-08029	0.021	
16.94	18.07	1.13	177555	CORE			A16-08029	0.008	
18.07	18.57	0.5	177556	CORE			A16-08029	0.008	
18.57	19.75	1.18	177557	CORE			A16-08029	0.006	
19.75	21.26	1.51	177558	CORE			A16-08029	0.006	
21.26	22.3	1.04	177559	CORE			A16-08029	0.01	
22.3	23.75	1.45	177560	CORE			A16-08029	0.005	
23.75	24.43	0.68	177561	CORE			A16-08029	<0.005	
		0	177562	Blank		Blank	A16-08029	<0.005	
24.43	25.4	0.97	177563	CORE			A16-08029	0.06	
25.4	26.5	1.1	177564	CORE			A16-08029	0.016	
26.5	28	1.5	177565	CORE			A16-08029	0.013	
28	29	1	177566	CORE			A16-08029	0.009	
29	30.5	1.5	177567	CORE			A16-08029	0.006	
30.5	31.6	1.1	177568	CORE			A16-08029	<0.005	
31.6	32.2	0.6	177569	CORE			A16-08029	<0.005	
		0	177570	STD		CDN_GS_7B	A16-08029	5.93	
32.2	33	0.8	177571	CORE			A16-08029	0.012	
40.7	42	1.3	177572	CORE			A16-08029	0.008	
42	43.5	1.5	177573	CORE			A16-08029	0.014	
43.5	45	1.5	177574	CORE			A16-08029	0.01	
45	46.35	1.35	177575	CORE			A16-08029	0.008	
46.5	48	1.5	177576	CORE			A16-08029	0.037	
48	49.5	1.5	177577	CORE			A16-08029	0.007	Quarter
		0	177578	DUP	177577		A16-08029	0.006	
49.5	51	1.5	177579	CORE			A16-08029	0.006	

51	51.8	0.8	177580	CORE	A16-08029	0.007	
51.8	52.6	0.8	177581	CORE	A16-08029	0.01	
8	9.15	1.15	BB_444465	CORE	1182_GEM	0	A09-5360
8	9.15	1.15	BB_444465	CORE	1182_GEM	0	A09-5360
9.15	10.15	1	BB_444466	CORE	1182_GEM	0.06	A09-5360
9.15	10.15	1	BB_444466	CORE	1182_GEM	0.06	A09-5360
10.15	11	0.85	BB_444467	CORE	1182_GEM	0.085	A09-5360
10.15	11	0.85	BB_444467	CORE	1182_GEM	0.085	A09-5360
10.15	11	0.85	BB_444467	CORE	1182_GEM	0.085	A09-5360
11	11.9	0.9	BB_444468	CORE	1182_GEM	0	A09-5360
11	11.9	0.9	BB_444468	CORE	1182_GEM	0	A09-5360
11.9	13.4	1.5	BB_444469	CORE	1182_GEM	0	A09-5360
11.9	13.4	1.5	BB_444469	CORE	1182_GEM	0	A09-5360
13.4	14.75	1.35	BB_444470	CORE	1182_GEM	0	A09-5360
13.4	14.75	1.35	BB_444470	CORE	1182_GEM	0	A09-5360
33	34	1	BB_444471	CORE	1182_GEM	0	A09-5360
33	34	1	BB_444471	CORE	1182_GEM	0	A09-5360
34	35	1	BB_444472	CORE	1182_GEM	0.007	"
34	35	1	BB_444472	CORE	1182_GEM	0.007	"
34	35	1	BB_444472	CORE	1182_GEM	0.007	"
34	35	1	BB_444472	CORE	1182_GEM	0.007	"
35	35.9	0.9	BB_444473	CORE	1182_GEM	0	A09-5360
35	35.9	0.9	BB_444473	CORE	1182_GEM	0	A09-5360
35.9	36.5	0.6	BB_444474	CORE	1182_GEM	0	A09-5360
35.9	36.5	0.6	BB_444474	CORE	1182_GEM	0	A09-5360
35.9	36.5	0.6	BB_444474	CORE	1182_GEM	0	A09-5360
36.5	37.2	0.7	BB_444475	CORE	1182_GEM	0.2	A09-5360
36.5	37.2	0.7	BB_444475	CORE	1182_GEM	0.2	A09-5360
37.2	37.9	0.7	BB_444476	CORE	1182_GEM	2.585	A09-5360
37.2	37.9	0.7	BB_444476	CORE	1182_GEM	2.585	A09-5360
37.2	37.9	0.7	BB_444476	CORE	1182_GEM	2.585	A09-5360
37.9	38.4	0.5	BB_444477	CORE	1182_GEM	0	A09-5360
37.9	38.4	0.5	BB_444477	CORE	1182_GEM	0	A09-5360
38.4	39.3	0.9	BB_444479	CORE	1182_GEM	0.12	A09-5360
38.4	39.3	0.9	BB_444479	CORE	1182_GEM	0.12	A09-5360
39.3	40.7	1.4	BB_444480	CORE	1182_GEM	0	A09-5360

39.3 40.7 1.4 BB_444480 CORE 1182_GEM 0 A09-5360
Au Assay result colour coding Au >1 g/t Au <1 and >0.5 g/t Au <0.5 and >0.1 g/t

Drill Hole Log

Hole ID: B-09-30

DataSet: Jellicoe

Program: Exploration

Hole Status:	RELOGGED	Hole Length (m):	105.5	Logged By:	N/A
Hole Type:	Surface Drill Hole	Dip (°):	-64.8	Date Log Started:	N/A
Date Drill Started:	N/A	Azimuth:	180.8	Date Log Completed:	N/A
Date Drill Completed:	N/A	Survey Instrument	N/A		

Prospect:	Brookbank East	Company:	N/A
Grid ID:	UTM NAD 83 Zone 16N	Drill Contractor:	N/A
UTM East (m)	440,731.6	Survey Instrument:	GPS
UTM North (m)	5,507,576.0	Date Surveyed:	01/06/2009
Elevation (masl):	335.88	Surveyed By:	TBTE
Tenement ID:	TB29030	Tenement Type:	Lease
		Hole Diameter:	N/A
		Casing Size:	N/A
		Casing Depth (m)	N/A
		Core Storage:	N/A

Purpose: N/A

Comments: Relogged and resampled 2016 by M. Cote. Original source 1182 GEMS

Downhole Data Available

Max Survey Depth (m): 105.5

Max Sample Depth (m): 105.05

Depth Logged To (m) 105.05

Meters Sampled 142.96

Total Samples 152 **# Assay** 144 **# QAQC:** 8

Downhole Survey								
Depth	Dip	Azimuth (True)	Survey Instrument	Survey Method	Survey Company	Date Surveyed	Comments	Survey Accepted
0	-64.8	180.8	N/A	1182 GEMS			assume same as first test	N/A
50	-64.8	180.8	N/A	1182 GEMS			log header page	N/A
100	-64.2	180.2	N/A	1182 GEMS			log header page	N/A
105.5	-64.2	180.2	N/A	1182 GEMS			repeat last test at EOH so GEMS will plot entire hole	N/A

Geology Summar							
<i>meters</i>							
From	To	Width	% Lith	Code	Rocktype	Texture	GrainSize
0.3	43.25	42.95		E1	Mafic Volcanic	Pillowed	
43.25	46.37	3.12		E1	Mafic Volcanic	Massive	
46.37	67.15	20.78		E1	Mafic Volcanic	Pillowed	
67.15	76.2	9.05		E1	Mafic Volcanic		
76.2	89.47	13.27		E1	Mafic Volcanic		
89.47	105.05	15.58		E1	Mafic Volcanic	Pillowed	

DataSet: Jellicoe

Hole Length (m): 105.5

HoleID: B-09-30

Log Length (m): 105.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
0.3	43.25	42.95		E1	Mafic Volcanic	Pillowed		

Med green;FG;weak-moderate mag; weak-mod fol with minor local high strain areas; Pillowed metavolcanics with well defined selvages; local amygdules with carbonate and mafic infill; Pervasive weak-mod chl and crb alteration with local/patchy epidote and potassic alteration associated with selvages; 5% qtz- fe crb veins mineralized with 1-2% pyrite (hematite and sericite alt'd halos and minor brecciatin and silicification associated with veining) 7-8% non mineralized veins (alteration derived epidote-kspar veins and qtz-crb fracture filling veins)

Alteration						
From	To	# Alteration	Intesity	Style	Comments	
5.9	42.56	1: Epidote	Strong (51-75%)	Patches	Patchy moderate to strong epidote and k-spar alteration related to pillow selvages with local hematite and sericite halo's associated with moderately silicified and brecciated qtz-fe crb veins.	
		2: K-feldspar	Moderate (26-50%)	Patches		
		3: Hematite	Moderate (26-50%)	Localized		
		4: Sericite	Moderate (26-50%)	Localized		
5.9	42.56	1: Epidote	Strong (51-75%)	Patches	Patchy moderate to strong epidote and k-spar alteration related to pillow selvages with local hematite and sericite halo's associated with moderately silicified and brecciated qtz-fe crb veins.	
		2: K-feldspar	Moderate (26-50%)	Patches		
		3: Hematite	Moderate (26-50%)	Localized		
		4: Sericite	Moderate (26-50%)	Localized		

Minerals						
From	To	# Mineral	GrainSize	Style	%	Comments
4.12	4.6	1: Pyrite	Fine grained	Scattered grains	0.1	
		VG: No				
4.12	4.6	1: Pyrite	Fine grained	Scattered grains	0.1	
		VG: No				
7.5	7.63	1: Pyrite	Fine grained	Scattered grains	0.5	
		VG: No				
7.5	7.63	1: Pyrite	Fine grained	Scattered grains	0.5	
		VG: No				
10.6	11.6	1: BB NC	-	-	-	A09-5360
		VG: No				
10.6	11.6	1: BB NC	-	-	-	A09-5360
		VG: No				
11.6	12.6	1: BB NC	-	-	-	A09-5360
		VG: No				
11.6	12.6	1: BB NC	-	-	-	A09-5360
		VG: No				
11.66	16.22	1: Pyrite	Fine grained	Scattered grains	1	
		VG: No				

DataSet: Jellicoe

Hole Length (m): 105.5

HoleID: B-09-30

Log Length (m): 105.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	#	Mineral	GrainSize	Style	%	Comments	
11.66	16.22	1:	Pyrite	Fine grained	Scattered grains	1		
			VG: No					
12.6	13.6	1:	BB NC	-	-	-	A09-5360	
			VG: No					
12.6	13.6	1:	BB NC	-	-	-	A09-5360	
			VG: No					
15	15.3	1:	BB NC	-	-	-	A09-5360	
			VG: No					
15	15.3	1:	BB NC	-	-	-	A09-5360	
			VG: No					
17.16	19.14	1:	Pyrite	Fine grained	Scattered grains	1		
			VG: No					
17.16	19.14	1:	Pyrite	Fine grained	Scattered grains	1		
			VG: No					
21.36	31.27	1:	Pyrite	Fine grained	Scattered grains	1		
			VG: No					
21.36	31.27	1:	Pyrite	Fine grained	Scattered grains	1		
			VG: No					
25.9	26.65	1:	BB NC	-	-	-	A09-5360	
			VG: No					
25.9	26.65	1:	BB NC	-	-	-	A09-5360	
			VG: No					
27.6	28	1:	BB NC	-	-	-	A09-5360	
			VG: No					
27.6	28	1:	BB NC	-	-	-	A09-5360	
			VG: No					
30.1	30.6	1:	BB NC	-	-	-	A09-5360	
			VG: No					
30.1	30.6	1:	BB NC	-	-	-	A09-5360	
			VG: No					
35.23	43.2	1:	Pyrite	Fine grained	Scattered grains	2		
			VG: No					

DataSet: Jellicoe

Hole Length (m): 105.5

HoleID: B-09-30

Log Length (m): 105.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
35.23	43.2	1: Pyrite	Fine grained	Scattered grains	2			
VG: No								
36.5	36.8	1: BB NC	-	-	-	A09-5360		
VG: No								
36.5	36.8	1: BB NC	-	-	-	A09-5360		
VG: No								
36.8	37.1	1: BB NC	-	-	-	A09-5360		
VG: No								
36.8	37.1	1: BB NC	-	-	-	A09-5360		
VG: No								
39	39.65	1: BB NC	-	-	-	A09-5360		
VG: No								
39	39.65	1: BB NC	-	-	-	A09-5360		
VG: No								
39.65	40.1	1: BB NC	-	-	-	A09-5360		
VG: No								
39.65	40.1	1: BB NC	-	-	-	A09-5360		
VG: No								
40.1	41.1	1: BB NC	-	-	-	A09-5360		
VG: No								
40.1	41.1	1: BB NC	-	-	-	A09-5360		
VG: No								
41.1	41.8	1: BB NC	-	-	-	A09-5360		
VG: No								
41.1	41.8	1: BB NC	-	-	-	A09-5360		
VG: No								
41.8	42.2	1: BB NC	-	-	-	A09-5360		
VG: No								
41.8	42.2	1: BB NC	-	-	-	A09-5360		
VG: No								

DataSet: Jellicoe

Hole Length (m): 105.5

HoleID: B-09-30

Log Length (m): 105.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By	
Minerals									
From	To	# Mineral	GrainSize	Style	%	Comments			
42.2	42.8	1: BB NC	-	-	-	A09-5360	VG: No		
42.2	42.8	1: BB NC	-	-	-	A09-5360	VG: No		
Structures									
From	To	Code	Structure Type	Comments					
7.6	10	FOL	Foliation	Local moderate to strong foliation in metavolcanics defined by alignment of amygdules					
7.6	10	FOL	Foliation	Local moderate to strong foliation in metavolcanics defined by alignment of amygdules					
Veins									
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments		
3	6	1: Quartz-Fe-carbonate	Stockwork Veins			5.1			
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.4			
6	9	1: Quartz-Fe-carbonate	Stockwork Veins			2.6			
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.6			
9	12	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			8.5			
		2: Quartz-Fe-carbonate	Stockwork Veins			3.5			
12	15	1: Quartz-Fe-carbonate	Stockwork Veins			4.5			
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			4.1			
15	18	1: Quartz-Fe-carbonate	Stockwork Veins			4.8			
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.2			
18	21	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			7.1			
		2: Quartz-Fe-carbonate	Stockwork Veins			3.8			
21	24	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			10.1			
		2: Quartz-Fe-carbonate	Stockwork Veins			3.7			

DataSet: Jellicoe

Hole Length (m): 105.5

HoleID: B-09-30

Log Length (m): 105.05

meters

From	To	Width	% Lith Code	Rocktype	Texture	GrainSize	Logged By
Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
24	27	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			2.7 3.8	
27	30	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			6.3 2.6	
30	33	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			2.9 1.5	
33	36	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			3.1 1.8	
36	39	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			2.4 2.6	
39	42	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			2.7 2.9	
3	6	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			5.1 1.4	
6	9	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			2.6 3.6	
9	12	1: Quartz-Fe-Carbonate / K-Feldspar-epidote 2: Quartz-Fe-carbonate	Vein > 3" Stockwork Veins			8.5 3.5	
12	15	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			4.5 4.1	
15	18	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			4.8 3.2	
18	21	1: Quartz-Fe-Carbonate / K-Feldspar-epidote 2: Quartz-Fe-carbonate	Vein > 3" Stockwork Veins			7.1 3.8	

DataSet: Jellicoe

Hole Length (m): 105.5

HoleID: B-09-30

Log Length (m): 105.05

meters

From	To	Width	% Lith Code	Rocktype	Texture	GrainSize	Logged By
Veins							
From	To	# Vein Type		Style	% Core Angle °	Thickness (cm)	Comments
21	24	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		10.1	
		2: Quartz-Fe-carbonate		Stockwork Veins		3.7	
24	27	1: Quartz-Fe-carbonate		Stockwork Veins		2.7	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		3.8	
27	30	1: Quartz-Fe-carbonate		Stockwork Veins		6.3	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		2.6	
30	33	1: Quartz-Fe-carbonate		Stockwork Veins		2.9	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		1.5	
33	36	1: Quartz-Fe-carbonate		Stockwork Veins		3.1	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		1.8	
36	39	1: Quartz-Fe-carbonate		Stockwork Veins		2.4	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		2.6	
39	42	1: Quartz-Fe-carbonate		Stockwork Veins		2.7	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		2.9	

43.25 46.37 3.12 E1 Mafic Volcanic Massive

Med green; MG; weak foliation defined by alignment of mafic components; non magnetic; weak-mod chl and crb alt'd massive flow metavolcanic. 5% non mineralized alteration derived epidote-kspars veins. Gabbroic in appearance (previously logged as gabbro)

46.37 67.15 20.78 E1 Mafic Volcanic Pillowed

Med-dark green; FG; moderate foliation with areas of high strain (strong banded foliation); minor local carb filled amygdules; local moderate mag; pervasive mod chl & crb alt'd groundmass with local epidote-potassic alteration associated with moderately preserved cm scale selvages in pillowed metavolcanics. 2-3% qtz-fe crb veins mineralized with up to 2% pyrite (moderately silicified where brecciated and hematite-sericite halos) up to 10% alteration derived epidote-kspars veining (barren) and 5% fracture filling stockwork style qtz-crb veins

Alteration

From	To	# Alteration	Intensity	Style	Comments
50.05	66.18	1: Epidote	Strong (51-75%)	Patches	Patchy moderate to strong epidote and k-spar alteration associated with pillow selvages
		2: K-feldspar	Moderate (26-50%)	-	

DataSet: Jellicoe

Hole Length (m): 105.5

HoleID: B-09-30

Log Length (m): 105.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Alteration								
From	To	#	Alteration	Intesity	Style	Comments		
50.05	66.18	1:	Epidote	Strong (51-75%)	Patches	Patchy moderate to strong epidote and k-spar alteration associated with pillow selvages		
		2:	K-feldspar	Moderate (26-50%)	-			
Minerals								
From	To	#	Mineral	GrainSize	Style	%	Comments	
46.8	47.1	1:	BB NC	-	-	-	A09-5360	
			VG: No					
46.8	47.1	1:	BB NC	-	-	-	A09-5360	
			VG: No					
46.8	50.8	1:	Pyrite	Fine grained	Scattered grains	2		
			VG: No					
46.8	50.8	1:	Pyrite	Fine grained	Scattered grains	2		
			VG: No					
50.4	50.7	1:	BB NC	-	-	-	"	
			VG: No					
50.4	50.7	1:	BB NC	-	-	-	"	
			VG: No					
52.18	53.2	1:	Pyrite	Fine grained	Scattered grains	1		
			VG: No					
52.18	53.2	1:	Pyrite	Fine grained	Scattered grains	1		
			VG: No					
Structures								
From	To	Code	Structure Type	Comments				
58.3	62.4	BAN	Banding	Local very strong banded foliation				
58.3	62.4	BAN	Banding	Local very strong banded foliation				
Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
48	51	1:	Quartz-Fe-carbonate	Stockwork Veins			2.6	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.4	

DataSet: Jellicoe

Hole Length (m): 105.5

HoleID: B-09-30

Log Length (m): 105.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By	
Veins									
From	To	#	Vein Type		Style	%	Core Angle °	Thickness (cm)	Comments
51	54	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			6.1	
		2:	Quartz-Fe-carbonate		Stockwork Veins			1.9	
54	57	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			6.5	
		2:	Quartz-Fe-carbonate		Stockwork Veins			2.2	
57	60	1:	Quartz-Fe-carbonate		Stockwork Veins			2.8	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			2.3	
60	63	1:	Quartz-Fe-carbonate		Stockwork Veins			2.2	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			3.1	
63	66	1:	Quartz-Fe-carbonate		Stockwork Veins			3.6	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			2.7	
48	51	1:	Quartz-Fe-carbonate		Stockwork Veins			2.6	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			3.4	
51	54	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			6.1	
		2:	Quartz-Fe-carbonate		Stockwork Veins			1.9	
54	57	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			6.5	
		2:	Quartz-Fe-carbonate		Stockwork Veins			2.2	
57	60	1:	Quartz-Fe-carbonate		Stockwork Veins			2.8	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			2.3	
60	63	1:	Quartz-Fe-carbonate		Stockwork Veins			2.2	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			3.1	
63	66	1:	Quartz-Fe-carbonate		Stockwork Veins			3.6	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			2.7	

67.15 76.2 9.05 E1 Mafic Volcanic

Dark green with pinkish hue; FG; weak-moderate foliation; local moderate mag; mod chl& crb alt'd with local weak hematite

DataSet: Jellicoe

Hole Length (m): 105.5

HoleID: B-09-30

Log Length (m): 105.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
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alteration associated with some qtz-crb veining. ~5% qtz-fe crb veins that are mineralized and sometimes vuggy with up to 1% pyrite and hematite stringers with hematite and sericite alteration halos. ~5% stockwork style qtz-fe crb vein sequence that are not mineralized.

Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
73.3	74.4	1: BB NC	-	-	-	A09-5360		
		VG: No						
73.3	74.4	1: BB NC	-	-	-	A09-5360		
		VG: No						
74.4	75.4	1: BB NC	-	-	-	A09-5360		
		VG: No						
74.4	75.4	1: BB NC	-	-	-	A09-5360		
		VG: No						

Veins								
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments	
69	72	1: Quartz-Fe-Carbonate	Stockwork Veins			6.8	Non mineralized qtz-fe crb	
72	75	1: Quartz-Fe-Carbonate	Stockwork Veins			4.5		
69	72	1: Quartz-Fe-Carbonate	Stockwork Veins			6.8	Non mineralized qtz-fe crb	
72	75	1: Quartz-Fe-Carbonate	Stockwork Veins			4.5		

76.2 89.47 13.27 E1 Mafic Volcanic

Shear zone. Med green fading to grey-beige and other colours as alteration becomes more intense. Very strong mylonitic foliation throughout interval with brecciated sections associated with increased veining. Moderate chl& crb alteration with variable silicification and hematite-sericite alteration in areas of increased veining. up to 2% pyrite also associated with veining. hematite veinlets throughout showing crosscutting relationship to veining and shear sense.

Alteration					
From	To	# Alteration	Intensity	Style	Comments
77	89.47	1: Silicified	Moderate (26-50%)	Pervasive	Shear zone. Moderately silicified with concentration towards increased veining. Hematite and sericite alteration halos throughout brecciated/sheared veining sequence also concentrated towards increased veining.
		2: Hematite	Moderate (26-50%)	Localized	
		3: Sericite	Moderate (26-50%)	Localized	

DataSet: Jellicoe

Hole Length (m): 105.5

HoleID: B-09-30

Log Length (m): 105.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Alteration								
From	To	# Alteration	Intensity	Style	Comments			
77	89.47	1: Silicified 2: Hematite 3: Sericite	Moderate (26-50%) Moderate (26-50%) Moderate (26-50%)	Pervasive Localized Localized	Shear zone. Moderately silicified with concentration towards increased veining. Hematite and sericite alteration halos throughout brecciated/sheared veining sequence also concentrated towards increased veining.			
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
76.4	77.4	1: BB NC VG: No	-	-	-	A09-5360		
76.4	77.4	1: BB NC VG: No	-	-	-	A09-5360		
77.4	78.4	1: BB NC VG: No	-	-	-	"		
77.4	78.4	1: BB NC VG: No	-	-	-	"		
78.4	79.1	1: BB NC VG: No	-	-	-	A09-5360		
78.4	79.1	1: BB NC VG: No	-	-	-	A09-5360		
79.1	80.4	1: BB NC VG: No	-	-	-	A09-5360		
79.1	80.4	1: BB NC VG: No	-	-	-	A09-5360		
80.4	81.8	1: BB NC VG: No	-	-	-	A09-5360		
80.4	81.8	1: BB NC VG: No	-	-	-	A09-5360		
81.8	83.2	1: BB NC VG: No	-	-	-	A09-5360		
81.8	83.2	1: BB NC VG: No	-	-	-	A09-5360		
83.2	84.6	1: BB NC VG: No	-	-	-	A09-5360		

DataSet: Jellicoe

Hole Length (m): 105.5

HoleID: B-09-30

Log Length (m): 105.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
83.2	84.6	1: BB NC	-	-	-	A09-5360	VG: No	
84.6	85.6	1: BB NC	-	-	-	"	VG: No	
84.6	85.6	1: BB NC	-	-	-	"	VG: No	
85.6	86.2	1: BB NC	-	-	-	A09-5360	VG: No	
85.6	86.2	1: BB NC	-	-	-	A09-5360	VG: No	
86.2	87	1: BB NC	-	-	-	A09-5360	VG: No	
86.2	87	1: BB NC	-	-	-	A09-5360	VG: No	
87	87.6	1: BB NC	-	-	-	A09-5360	VG: No	
87	87.6	1: BB NC	-	-	-	A09-5360	VG: No	
87.6	88.6	1: BB NC	-	-	-	A09-5360	VG: No	
87.6	88.6	1: BB NC	-	-	-	A09-5360	VG: No	
88.6	89.4	1: BB NC	-	-	-	A09-5360	VG: No	
88.6	89.4	1: BB NC	-	-	-	A09-5360	VG: No	
Structures								
From	To	Code	Structure Type	Comments				
76.2	89.47	SHD	Shear / mylonitic foliation	Very strong mylonitic foliation in shear zone				
76.2	89.47	SHD	Shear / mylonitic foliation	Very strong mylonitic foliation in shear zone				
89.47	105.05	15.58	E1	Mafic Volcanic	Pillowed			

DataSet: Jellicoe

Hole Length (m): 105.5

HoleID: B-09-30

Log Length (m): 105.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
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Med-dark green;FG; weak foliation; weak-moderately magnetic; moderate chl and crb alteration throughout with local weak sericite and hematite alteration associated with some qtz- fe crb veining in metavolcanics (weak evidence of pillows). Local amygdules towards end of hole with carbonate infill. ~5% qtz- fe crb veins that are vuggy and mineralized with up to 1% pyrite and hematite veinlets/stringers. 5% stockwork style qtz- fe crb veins that are not mineralized. Minor brecciated textures associated with some mineralized veins.

Minerals							
From	To	# Mineral	GrainSize	Style	%	Comments	
90.5	91.9	1: BB NC	-	-	-	A09-5360	
		VG: No					
90.5	91.9	1: BB NC	-	-	-	A09-5360	
		VG: No					
91.9	93	1: BB NC	-	-	-	A09-5360	
		VG: No					
91.9	93	1: BB NC	-	-	-	A09-5360	
		VG: No					
91.9	105.05	1: Pyrite	Fine grained	Scattered grains	0.5		
		2: Hematite	Fine grained	Stringers	1		
91.9	105.05	1: Pyrite	Fine grained	Scattered grains	0.5		
		2: Hematite	Fine grained	Stringers	1		

Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
93	96	1: Quartz-Fe-carbonate	Stockwork Veins			10	fracture filled qtz-crb veins
96	99	1: Quartz-Fe-carbonate	Stockwork Veins			10	
99	102	1: Quartz-Fe-carbonate	Stockwork Veins			10	
102	105	1: Quartz-Fe-carbonate	Stockwork Veins			10	
93	96	1: Quartz-Fe-carbonate	Stockwork Veins			10	fracture filled qtz-crb veins
96	99	1: Quartz-Fe-carbonate	Stockwork Veins			10	
99	102	1: Quartz-Fe-carbonate	Stockwork Veins			10	
102	105	1: Quartz-Fe-carbonate	Stockwork Veins			10	

**Downhole Samples
and Assay Results**



DataSet: Jellicoe

Hole Length (m): 105.5

Primary Assay Samples: 144 94.74 %

HoleID: B-09-30

Max Samp Depth (m): 105.05

Field Duplicate Samples: 2 1.32 %

Standard/Blank Samples: 6 3.95 %

Total meters Sampled: 142.96

Total Samples: 152

<i>meters</i>			SampleID	Type	Original SampleID	StandardID	Batch #	Au (g/t)	Comments
From	To	Width							
0.3	1.5	1.2	177665	CORE			A16-08452	<0.005	
1.5	3	1.5	177666	CORE			A16-08452	<0.005	
3	4.5	1.5	177667	CORE			A16-08452	0.008	
4.5	6	1.5	177668	CORE			A16-08452	<0.005	
6	7.5	1.5	177669	CORE			A16-08452	0.006	
7.5	8.5	1	177670	CORE			A16-08452	0.007	
8.5	9.3	0.8	177671	CORE			A16-08452	0.011	
		0	177672	STD		CDN_GS_P4B	A16-08452	0.362	
9.3	10.6	1.3	177673	CORE			A16-08452	<0.005	
13.6	14.81	1.21	177674	CORE			A16-08452	<0.005	
15.3	16.22	0.92	177675	CORE			A16-08452	<0.005	
16.22	17.16	0.94	177676	CORE			A16-08452	<0.005	
17.16	18	0.84	177677	CORE			A16-08452	0.007	
18	19.2	1.2	177678	CORE			A16-08452	0.006	
19.2	20.3	1.1	177679	CORE			A16-08452	<0.005	
20.3	21.3	1	177680	CORE			A16-08452	<0.005	Quarter
		0	177681	DUP	177680		A16-08452	<0.005	
21.3	22.5	1.2	177682	CORE			A16-08452	0.009	
22.5	23.5	1	177683	CORE			A16-08452	<0.005	
23.5	24.55	1.05	177684	CORE			A16-08452	0.012	
24.55	25.85	1.3	177685	CORE			A16-08452	<0.005	
26.65	27.6	0.95	177686	CORE			A16-08452	<0.005	
28	29.1	1.1	177687	CORE			A16-08452	<0.005	
29.1	30.1	1	177688	CORE			A16-08452	0.015	
30.6	32	1.4	177689	CORE			A16-08452	0.048	
		0	177690	STD		CDN_GS_5K	A16-08452	3.06	
32	33.5	1.5	177691	CORE			A16-08452	<0.005	
33.5	35	1.5	177692	CORE			A16-08452	<0.005	
35	36.5	1.5	177693	CORE			A16-08452	0.006	

37.1	38	0.9	177694	CORE		A16-08452	0.013	
38	39	1	177695	CORE		A16-08452	<0.005	
42.8	43.25	0.45	177696	CORE		A16-08452	<0.005	
43.25	44.8	1.55	177697	CORE		A16-08452	<0.005	
		0	177698	Blank	Blank	A16-08452	<0.005	
44.8	46.37	1.57	177699	CORE		A16-08448	0.007	
46.37	46.8	0.43	177700	CORE		A16-08448	0.006	
47.1	48.3	1.2	177801	CORE		A16-08786	0.011	
48.3	49.4	1.1	177802	CORE		A16-08786	0.006	
49.4	50.4	1	177803	CORE		A16-08786	<0.005	
50.7	52.18	1.48	177804	CORE		A16-08786	0.006	
52.18	53.2	1.02	177805	CORE		A16-08786	0.005	
53.2	54.7	1.5	177806	CORE		A16-08786	<0.005	
54.7	56	1.3	177807	CORE		A16-08786	0.008	
		0	177808	STD	CDN_GS_P4B	A16-08786	0.396	
56	57.5	1.5	177809	CORE		A16-08786	0.007	
57.5	59	1.5	177810	CORE		A16-08786	0.024	
59	60.5	1.5	177811	CORE		A16-08786	0.008	
60.5	62	1.5	177812	CORE		A16-08786	<0.005	
62	63.5	1.5	177813	CORE		A16-08786	<0.005	
63.5	65	1.5	177814	CORE		A16-08786	0.005	
65	66.5	1.5	177815	CORE		A16-08786	<0.005	
66.5	67.7	1.2	177816	CORE		A16-08786	0.032	Quarter
		0	177817	DUP	177816	A16-08786	0.049	
67.7	68.95	1.25	177818	CORE		A16-08786	<0.005	
68.95	70.15	1.2	177819	CORE		A16-08786	0.012	
70.15	71.65	1.5	177820	CORE		A16-08786	0.013	
71.65	72.4	0.75	177821	CORE		A16-08786	0.014	
72.4	73.3	0.9	177822	CORE		A16-08786	0.013	
93	94.5	1.5	177823	CORE		A16-08786	<0.005	
94.5	96	1.5	177824	CORE		A16-08786	<0.005	
96	97.5	1.5	177825	CORE		A16-08786	0.005	
		0	177826	STD	CDN_GS_5K	A16-08786	3.65	
97.5	99	1.5	177827	CORE		A16-08786	0.007	
99	100.2	1.2	177828	CORE		A16-08786	0.041	
100.2	101.6	1.4	177829	CORE		A16-08786	0.02	

101.6	102.1	0.5	177830	CORE		A16-08786	0.008	
102.1	103.1	1	177831	CORE		A16-08786	0.011	
103.1	104.3	1.2	177832	CORE		A16-08786	<0.005	
104.3	105.05	0.75	177833	CORE		A16-08786	0.006	
		0	177834	Blank	Blank	A16-08786	<0.005	
10.6	11.6	1	BB_444481	CORE		1182_GEM	0	A09-5360
10.6	11.6	1	BB_444481	CORE		1182_GEM	0	A09-5360
11.6	12.6	1	BB_444482	CORE		1182_GEM	0.25	A09-5360
11.6	12.6	1	BB_444482	CORE		1182_GEM	0.25	A09-5360
11.6	12.6	1	BB_444482	CORE		1182_GEM	0.25	A09-5360
12.6	13.6	1	BB_444483	CORE		1182_GEM	0	A09-5360
12.6	13.6	1	BB_444483	CORE		1182_GEM	0	A09-5360
15	15.3	0.3	BB_444484	CORE		1182_GEM	0	A09-5360
15	15.3	0.3	BB_444484	CORE		1182_GEM	0	A09-5360
15	15.3	0.3	BB_444484	CORE		1182_GEM	0	A09-5360
25.9	26.65	0.75	BB_444485	CORE		1182_GEM	0	A09-5360
25.9	26.65	0.75	BB_444485	CORE		1182_GEM	0	A09-5360
27.6	28	0.4	BB_444486	CORE		1182_GEM	0.1	A09-5360
27.6	28	0.4	BB_444486	CORE		1182_GEM	0.1	A09-5360
30.1	30.6	0.5	BB_444487	CORE		1182_GEM	0	A09-5360
30.1	30.6	0.5	BB_444487	CORE		1182_GEM	0	A09-5360
36.5	36.8	0.3	BB_444488	CORE		1182_GEM	0.28	A09-5360
36.5	36.8	0.3	BB_444488	CORE		1182_GEM	0.28	A09-5360
36.8	37.1	0.3	BB_444489	CORE		1182_GEM	0.12	A09-5360
36.8	37.1	0.3	BB_444489	CORE		1182_GEM	0.12	A09-5360
39	39.65	0.65	BB_444490	CORE		1182_GEM	0	A09-5360
39	39.65	0.65	BB_444490	CORE		1182_GEM	0	A09-5360
39.65	40.1	0.45	BB_444491	CORE		1182_GEM	0.87	A09-5360
39.65	40.1	0.45	BB_444491	CORE		1182_GEM	0.87	A09-5360
40.1	41.1	1	BB_444492	CORE		1182_GEM	3.565	A09-5360
40.1	41.1	1	BB_444492	CORE		1182_GEM	3.565	A09-5360
40.1	41.1	1	BB_444492	CORE		1182_GEM	3.565	A09-5360
41.1	41.8	0.7	BB_444493	CORE		1182_GEM	0.34	A09-5360
41.1	41.8	0.7	BB_444493	CORE		1182_GEM	0.34	A09-5360
41.8	42.2	0.4	BB_444494	CORE		1182_GEM	0.16	A09-5360
41.8	42.2	0.4	BB_444494	CORE		1182_GEM	0.16	A09-5360

41.8	42.2	0.4	BB_444494	CORE	1182_GEM	0.16	A09-5360
42.2	42.8	0.6	BB_444495	CORE	1182_GEM	0	A09-5360
42.2	42.8	0.6	BB_444495	CORE	1182_GEM	0	A09-5360
46.8	47.1	0.3	BB_444496	CORE	1182_GEM	0.44	A09-5360
46.8	47.1	0.3	BB_444496	CORE	1182_GEM	0.44	A09-5360
50.4	50.7	0.3	BB_444497	CORE	1182_GEM	0.52	"
50.4	50.7	0.3	BB_444497	CORE	1182_GEM	0.52	"
73.3	74.4	1.1	BB_444498	CORE	1182_GEM	0	A09-5360
73.3	74.4	1.1	BB_444498	CORE	1182_GEM	0	A09-5360
74.4	75.4	1	BB_444499	CORE	1182_GEM	0	A09-5360
74.4	75.4	1	BB_444499	CORE	1182_GEM	0	A09-5360
75.4	76.4	1	BB_461501	CORE	1182_GEM	0	A09-5360
75.4	76.4	1	BB_461501	CORE	1182_GEM	0	A09-5360
76.4	77.4	1	BB_461502	CORE	1182_GEM	0.035	A09-5360
76.4	77.4	1	BB_461502	CORE	1182_GEM	0.035	A09-5360
76.4	77.4	1	BB_461502	CORE	1182_GEM	0.035	A09-5360
77.4	78.4	1	BB_461503	CORE	1182_GEM	0.005	
77.4	78.4	1	BB_461503	CORE	1182_GEM	0.005	
77.4	78.4	1	BB_461503	CORE	1182_GEM	0.005	
78.4	79.1	0.7	BB_461504	CORE	1182_GEM	0	A09-5360
78.4	79.1	0.7	BB_461504	CORE	1182_GEM	0	A09-5360
79.1	80.4	1.3	BB_461505	CORE	1182_GEM	0	A09-5360
79.1	80.4	1.3	BB_461505	CORE	1182_GEM	0	A09-5360
80.4	81.8	1.4	BB_461506	CORE	1182_GEM	0	A09-5360
80.4	81.8	1.4	BB_461506	CORE	1182_GEM	0	A09-5360
81.8	83.2	1.4	BB_461507	CORE	1182_GEM	0	A09-5360
81.8	83.2	1.4	BB_461507	CORE	1182_GEM	0	A09-5360
83.2	84.6	1.4	BB_461508	CORE	1182_GEM	0.1	A09-5360
83.2	84.6	1.4	BB_461508	CORE	1182_GEM	0.1	A09-5360
84.6	85.6	1	BB_461509	CORE	1182_GEM	0.26	
84.6	85.6	1	BB_461509	CORE	1182_GEM	0.26	
84.6	85.6	1	BB_461509	CORE	1182_GEM	0.26	
84.6	85.6	1	BB_461509	CORE	1182_GEM	0.26	
85.6	86.2	0.6	BB_461511	CORE	1182_GEM	0.26	A09-5360
85.6	86.2	0.6	BB_461511	CORE	1182_GEM	0.26	A09-5360
86.2	87	0.8	BB_461512	CORE	1182_GEM	0.84	A09-5360

86.2	87	0.8	BB_461512	CORE	1182_GEM	0.84	A09-5360
87	87.6	0.6	BB_461513	CORE	1182_GEM	0.14	A09-5360
87	87.6	0.6	BB_461513	CORE	1182_GEM	0.14	A09-5360
87.6	88.6	1	BB_461514	CORE	1182_GEM	0.165	A09-5360
87.6	88.6	1	BB_461514	CORE	1182_GEM	0.165	A09-5360
87.6	88.6	1	BB_461514	CORE	1182_GEM	0.165	A09-5360
88.6	89.4	0.8	BB_461515	CORE	1182_GEM	0.18	A09-5360
88.6	89.4	0.8	BB_461515	CORE	1182_GEM	0.18	A09-5360
89.4	90.5	1.1	BB_461516	CORE	1182_GEM	0	A09-5360
89.4	90.5	1.1	BB_461516	CORE	1182_GEM	0	A09-5360
90.5	91.9	1.4	BB_461517	CORE	1182_GEM	0	A09-5360
90.5	91.9	1.4	BB_461517	CORE	1182_GEM	0	A09-5360
91.9	93	1.1	BB_461519	CORE	1182_GEM	0	A09-5360
91.9	93	1.1	BB_461519	CORE	1182_GEM	0	A09-5360
91.9	93	1.1	BB_461519	CORE	1182_GEM	0	A09-5360

Au Assay result colour coding Au >1 g/t Au <1 and >0.5 g/t Au <0.5 and >0.1 g/t

Drill Hole Log

Hole ID: B-09-31

DataSet: Jellicoe

Program: Exploration

Hole Status:	RELOGGED	Hole Length (m):	129	Logged By:	N/A
Hole Type:	Surface Drill Hole	Dip (°):	-44.5	Date Log Started:	N/A
Date Drill Started:	N/A	Azimuth:	129.1	Date Log Completed:	N/A
Date Drill Completed:	N/A	Survey Instrument	N/A		

Prospect:	Brookbank East	Company:	N/A
Grid ID:	UTM NAD 83 Zone 16N	Drill Contractor:	N/A
UTM East (m)	440,735.3	Survey Instrument:	GPS
UTM North (m)	5,507,576.3	Date Surveyed:	01/06/2009
Elevation (masl):	335.86	Surveyed By:	TBTE
Tenement ID:	TB29030	Tenement Type:	Lease
		Hole Diameter:	N/A
		Casing Size:	N/A
		Casing Depth (m)	N/A
		Core Storage:	N/A

Purpose: N/A

Comments: Relogged and resampled 2016 by M. Cote. Original source 1182 GEMS

Downhole Data Available

Max Survey Depth (m): 129

Max Sample Depth (m): 129

Depth Logged To (m) 129

Meters Sampled 167.48

Total Samples 158 **# Assay** 148 **# QAQC:** 10

Downhole Survey								
Depth	Dip	Azimuth (True)	Survey Instrument	Survey Method	Survey Company	Date Surveyed	Comments	Survey Accepted
0	-44.5	129.1	N/A	1182 GEMS			assume same as first test	N/A
12	-44.5	129.1	N/A	1182 GEMS			log header page	N/A
50	-43.3	129.3	N/A	1182 GEMS			log header page	N/A
100	-42.7	129.6	N/A	1182 GEMS			log header page	N/A
129	-42.5	130.2	N/A	1182 GEMS			log header page	N/A

Geology Summar							
<i>meters</i>							
From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize
3.65	56.5	52.85		E1	Mafic Volcanic	Pillowed	
56.5	62.76	6.26		E1	Mafic Volcanic	Massive	
62.76	85.35	22.59		E1	Mafic Volcanic	Pillowed	
85.35	91.85	6.5		E1	Mafic Volcanic		
91.85	100.45	8.6		E1	Mafic Volcanic		
100.45	108.52	8.07		E1	Mafic Volcanic		

Geology Summar*meters*

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize
108.72	129	20.28		E1	Mafic Volcanic	Pillowed	

DataSet: Jellicoe

Hole Length (m): 129

HoleID: B-09-31

Log Length (m): 129

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
3.65	56.5	52.85		E1	Mafic Volcanic	Pillowed		

Med green;FG;weak to moderate mag; weak foliation with local high strain areas; pillowed metavolcanics (well defined selvages) Local amygdules with carbonate and mafic infill. Epidote and potassic alteration associated with selvages and proximal veining. Up to 10% veining (fracturing filling qtz-crb stockwork style veins; epidote-kspars veins associated with selvages; and qtz- Fe crb veins with pyrite and local hematite mineralization associated with alteration halos) 2 highly mineralized areas @ ~14m and 54.5m (up to 3 or 4% pyrite and patchy hematite; well brecciated in areas with hematite; sericite and carbonate alteration halos)

Alteration						
From	To	# Alteration	Intensity	Style	Comments	
14.18	20.09	1: Silicified 2: Hematite 3: Sericite	Moderate (26-50%) Moderate (26-50%) Moderate (26-50%)	Localized Localized Localized	Silicified area showing preference to increased veining with moderate hematite and sericite halos in semi-brecciated mineralized veining sequence	
21.08	53.91	1: Epidote 2: K-feldspar	Strong (51-75%) Moderate (26-50%)	Patches Patches	Moderate to strong patchy epidote and k-spar alteration associated with pillow selvages	

Minerals						
From	To	# Mineral	GrainSize	Style	%	Comments
6.22	6.33	1: Pyrite	Fine grained	Scattered grains	1	
		VG: No				
14	15	1: BB NC	-	-	-	A09-5360
		VG: No				
14.05	20.81	1: Pyrite	Fine grained	Scattered grains	-	
		VG: No				
15	16	1: BB NC	-	-	-	A09-5360
		VG: No				
16	17.2	1: BB NC	-	-	-	A09-5360
		VG: No				
17.2	17.8	1: BB NC	-	-	-	A09-5360
		VG: No				
17.8	18.4	1: BB NC	-	-	-	A09-5360
		VG: No				
18.4	18.8	1: BB NC	-	-	-	A09-5360
		VG: No				
18.8	19.8	1: BB NC	-	-	-	A09-5360
		VG: No				

DataSet: Jellicoe

Hole Length (m): 129

HoleID: B-09-31

Log Length (m): 129

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
19.8	20.1	1: BB NC	-	-	-	A09-5360	VG: No	
21.02	28.03	1: Pyrite	Fine grained	Scattered grains	0.5		VG: No	
30.27	30.51	1: Pyrite	Fine grained	Scattered grains	0.5		VG: No	
34.64	38.15	1: Pyrite	Fine grained	Scattered grains	1		VG: No	
		2: Hematite	Fine grained	Stringers	0.5			
38.51	49.09	1: Pyrite	Fine grained	Scattered grains	0.5		VG: No	
53.52	55.82	1: Pyrite	Fine grained	Scattered grains	0.5		VG: No	
54.5	55	1: BB NC	-	-	-	A09-5360	VG: No	
Structures								
From	To	Code	Structure Type	Comments				
47	56.3	FOL	Foliation	Local moderate to strong foliation in mafic volcanic				
Veins								
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments	
6	9	1: Quartz-Fe-carbonate	Stockwork Veins			3.6		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.8		
9	12	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			4.9		
		2: Quartz-Fe-carbonate	Stockwork Veins			3.8		
12	15	1: Quartz-Fe-carbonate	Stockwork Veins			5.2		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.9		
15	18	1: Quartz-Fe-carbonate	Stockwork Veins			1.2		
18	21	1: Quartz-Fe-carbonate	Stockwork Veins			4.7		

DataSet: Jellicoe

Hole Length (m): 129

HoleID: B-09-31

Log Length (m): 129

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By	
Veins									
From	To	#	Vein Type		Style	%	Core Angle °	Thickness (cm)	Comments
21	24	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			7.3	
		2:	Quartz-Fe-carbonate		Stockwork Veins			6.3	
24	27	1:	Quartz-Fe-carbonate		Stockwork Veins			3.4	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			2.2	
27	30	1:	Quartz-Fe-carbonate		Stockwork Veins			5.1	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			4.1	
30	33	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			6.2	
		2:	Quartz-Fe-carbonate		Stockwork Veins			3.8	
33	36	1:	Quartz-Fe-carbonate		Stockwork Veins			4	
		2:	Quartz-Fe-carbonate		Stockwork Veins			3.6	
36	39	1:	Quartz-Fe-carbonate		Stockwork Veins			4.5	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			3.8	
39	42	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			10.3	
		2:	Quartz-Fe-carbonate		Stockwork Veins			4.2	
42	45	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			11.6	
		2:	Quartz-Fe-carbonate		Stockwork Veins			5.1	
45	48	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			13.4	
		2:	Quartz-Fe-carbonate		Stockwork Veins			4.6	
48	51	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			6.1	
		2:	Quartz-Fe-carbonate		Stockwork Veins			4.3	
51	54	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			10.2	
		2:	Quartz-Fe-carbonate		Stockwork Veins			2.8	

56.5 62.76 6.26 E1 Mafic Volcanic Massive

Med green;F-MG; non mag; local weak foliation in a massive flow metavolcanic unit. Similar alteration patterns as above with prominent epidote and k-spar related veining (3-4%). Up to 3 or 4% veining (qtz-crb stockwork style; no significant mineralization)

DataSet: Jellicoe

Hole Length (m): 129

HoleID: B-09-31

Log Length (m): 129

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
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Unit is gabbroic in appearance and defines the massive flow (previously logged as gabbro)

Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
57	60	1:	Quartz-Fe-carbonate	Stockwork Veins			5.8	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			4.2	

62.76 85.35 22.59 E1 Mafic Volcanic Pillowed

Med-dark green;FG;weak to moderate foliation; weak to moderate mag; pervasive mod chl alteration and local epidote- k-spar alteration associated with poorly defined selvages in pillowed mafic metavolcanics. ~ 10% Qtz- Fe Crb veining (vuggy; 2-3% fine grained pyrite associated with veining and sericite/hematite alteration halos) 2-3% non mineralized veins (Qtz-Crb stockwork style and alteration derived epidote-k-spar veining)

Minerals							
From	To	#	Mineral	GrainSize	Style	%	Comments
65.79	65.93	1:	Pyrite	Fine grained	Stringers	2	
							VG: No
65.95	71.98	1:	Pyrite	Fine grained	Scattered grains	0.5	
							VG: No
71.98	72.83	1:	Pyrite	Fine grained	Scattered grains	4	
							VG: No
73.23	75.78	1:	Pyrite	Fine grained	Scattered grains	0.5	
		2:	Hematite	Fine grained	Stringers	0.5	
							VG: No
76	77	1:	BB NC	-	-	-	A09-5360
							VG: No
76	78.07	1:	Pyrite	Fine grained	Scattered grains	-	
							VG: No
77	78.1	1:	BB NC	-	-	-	A09-5360
							VG: No

Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
63	66	1:	Quartz-Fe-carbonate	Stockwork Veins			7.2	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			5.3	

DataSet: Jellicoe

Hole Length (m): 129

HoleID: B-09-31

Log Length (m): 129

meters

From	To	Width	% Lith Code	Rocktype	Texture	GrainSize	Logged By
Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
66	69	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			6.4 1.8	
69	72	1: Quartz-Fe-carbonate	Stockwork Veins			5.8	
72	75	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			7.2 3.2	
75	78	1: Quartz-Fe-carbonate	Stockwork Veins			2.6	
78	81	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			4.7 1.8	
81	84	1: Quartz-Fe-carbonate	Stockwork Veins			3.6	

85.35 91.85 6.5 E1 Mafic Volcanic

Med-dark grey-green with pink hue host surrounding ~75% silicified and locally brecciated qtz- fe crb veining sequence. Local moderate mag. Margins of interval are well deformed displaying a brecciated texture above and a strong mylonitic foliation below the mass of qtz-crb veining. Sericite-hematite-crb alteration halos and veins are well mineralized with 3-4% pyrite

Minerals							
From	To	# Mineral	GrainSize	Style	%	Comments	
85.5	91.38	1: Pyrite VG: No	Fine grained	Scattered grains	5		
85.7	86.6	1: BB NC VG: No	-	-	-	A09-5360	
86.6	87.15	1: BB NC VG: No	-	-	-	A09-5360	
87.15	88	1: BB NC VG: No	-	-	-	A09-5360	
88	89.7	1: BB NC VG: No	-	-	-	"	
89.7	91	1: BB NC VG: No	-	-	-	A09-5360	

DataSet: Jellicoe

Hole Length (m): 129

HoleID: B-09-31

Log Length (m): 129

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
91	91.5	1: BB NC	-	-	-	A09-5360		
VG: No								

91.85 100.45 8.6 E1 Mafic Volcanic

Shear zone. Med green; FG; very strong foliation displaying local mylonitic textures; Moderate pervasive chlorite and carbonate alteration with variable silicification and local sericite and hematite alteration halos associated with 0.5% pyrite mineralized qtz crb veining (2-3% mineralized veins) 5% stockwork- fracture filling style qtz-crb veining throughout interval (barren). Entire interval was previously sampled.

Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
92.3	93.7	1: BB NC	-	-	-	A09-5360		
VG: No								
93.7	95.1	1: BB NC	-	-	-	A09-5360		
VG: No								
95.1	96.5	1: BB NC	-	-	-	A09-5360		
VG: No								
96.5	98	1: BB NC	-	-	-	A09-5360		
VG: No								
98	99.4	1: BB NC	-	-	-	A09-5360		
VG: No								

Veins								
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments	
93	96	1: Quartz-Fe-carbonate	Stockwork Veins			9.6		
96	99	1: Quartz-Fe-carbonate	Stockwork Veins			8.8		

100.45 108.52 8.07 E1 Mafic Volcanic

Brittle ductile transition. Variety of colours based on alteration. Mylonitic style texture gradually fades to brecciated and becomes more intense with depth. Entire interval is subject to variable silicification with preference towards areas of increased qtz-crb veining. Veining accounts for ~15-20% of interval and displays distinct sericite-hematite alteration halos with minor hematite stringers cutting through many veins. Entire interval is mineralized with 1-2% pyrite and local hematite with concentration in areas with increased veining.

Minerals								

DataSet: Jellicoe

Hole Length (m): 129

HoleID: B-09-31

Log Length (m): 129

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
100.8	101.5	1: BB NC	-					
		VG: No						
101.5	102.3	1: BB NC	-					
		VG: No						
102.3	103.8	1: BB NC	-					
		VG: No						
103.8	104.2	1: BB NC	-					
		VG: No						
103.88	105.89	1: Pyrite		Fine grained	Scattered grains			
		VG: No						
104.2	105.6	1: BB NC	-					
		VG: No						
105.6	106.2	1: BB NC	-					
		VG: No						
106.2	107.4	1: BB NC	-					
		VG: No						

Veins

From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
102	105	1: Quartz-Fe-carbonate	Stockwork Veins			3.8	
105	108	1: Quartz-Fe-carbonate	Stockwork Veins			2.7	

108.72 **129** 20.28 **E1** **Mafic Volcanic** Pillowed

Med-dark green with pinkish hue; Weak to moderately magnetic; weak foliation and fracturing throughout; pervasive mod chlorite and crb alteration with local mod hematite and sericite alteration proximal to qtz- fe crb veining and epidote alteration associated with well preserved pillow selvages in mafic metavolcanic. Local amygdules with carbonate infill towards end of hole. Two ~25cm lengths of fault breccia with sericite and hematite alteration preferential to angular clasts; hematite stringers throughout breccia matrix with trace euhedral pyrite. ~5% qtz- fe crb veining (local vuggy textures; mineralized with 0.5% pyrite and hematite showing concentration in sericite-hematite halos) Non mineralized fracture filling qtz-crb veins account for 2-3% of interval and exhibit cross-cutting relationships with most structures.

Alteration

From	To	# Alteration	Intesity	Style	Comments
108.72	121	1: Hematite	Moderate (26-50%)	Localized	Pervasive chlorite alteration throughout host with local hematite and sericite alt'd halos associated with some veins as well as clastic material within brecciated sections
		2: Sericite	Moderate (26-50%)	Localized	
		3: Chlorite	Moderate (26-50%)	Pervasive	

DataSet: Jellicoe

Hole Length (m): 129

HoleID: B-09-31

Log Length (m): 129

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Alteration								
From	To	# Alteration	Intesity	Style	Comments			
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
112.52	120.54	1: Pyrite	Fine grained	Scattered grains	1		VG: No	
120.54	121.03	1: Pyrite	Fine grained	Scattered grains	2		VG: No	
121.03	127.59	1: Pyrite	Fine grained	Scattered grains	0.5		VG: No	
		2: Hematite	Fine grained	Stringers	0.5			
Veins								
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments	
111	114	1: Quartz-Fe-carbonate	Stockwork Veins			7.8		
114	117	1: Quartz-Fe-carbonate	Stockwork Veins			5.6		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			4.1		
117	120	1: Quartz-Fe-carbonate	Stockwork Veins			6.8		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.3		
120	123	1: Quartz-Fe-carbonate	Stockwork Veins			5.8		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.8		
123	126	1: Quartz-Fe-carbonate	Stockwork Veins			6.7		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.1		
126	129	1: Quartz-Fe-carbonate	Stockwork Veins			7.6		

Downhole Samples
and Assay Results



DataSet: Jellicoe

Hole Length (m): 129

Primary Assay Samples: 148 93.67 %

HoleID: B-09-31

Max Samp Depth (m): 129

Field Duplicate Samples: 2 1.27 %

Standard/Blank Samples: 8 5.06 %

Total meters Sampled: 167.48

Total Samples: 158

<i>meters</i>			SampleID	Type	Original SampleID	StandardID	Batch #	Au (g/t)	Comments
From	To	Width							
3.65	5	1.35	177582	CORE			A16-08029	<0.005	
5	6.15	1.15	177583	CORE			A16-08029	<0.005	
6.15	6.7	0.55	177584	CORE			A16-08029	0.035	
6.7	8	1.3	177585	CORE			A16-08032	0.007	
8	9.5	1.5	177586	CORE			A16-08032	0.005	
		0	177587	STD		CDN_GS_5K	A16-08032	3.72	
9.5	11	1.5	177588	CORE			A16-08032	0.005	
11	12.5	1.5	177589	CORE			A16-08032	<0.005	
12.5	14	1.5	177590	CORE			A16-08032	0.006	
20.1	21	0.9	177591	CORE			A16-08032	0.007	
21	22	1	177592	CORE			A16-08032	0.014	
22	23.5	1.5	177593	CORE			A16-08032	0.007	
23.5	25	1.5	177594	CORE			A16-08032	0.007	
25	26	1	177595	CORE			A16-08032	0.005	
		0	177596	Blank		Blank	A16-08032	<0.005	
26	27.3	1.3	177597	CORE			A16-08032	0.007	
27.3	28.5	1.2	177598	CORE			A16-08032	0.007	
28.5	30	1.5	177599	CORE			A16-08032	<0.005	
30	31.5	1.5	177600	CORE			A16-08032	0.005	
31.5	33	1.5	177601	CORE			A16-08032	0.006	
33	34.5	1.5	177602	CORE			A16-08032	<0.005	
34.5	35.8	1.3	177603	CORE			A16-08032	<0.005	
		0	177604	STD		CDN_GS_7B	A16-08032	6.37	
35.8	37.15	1.35	177605	CORE			A16-08032	<0.005	
37.15	38.2	1.05	177606	CORE			A16-08032	<0.005	
38.2	39.3	1.1	177607	CORE			A16-08032	0.006	
39.3	40.5	1.2	177608	CORE			A16-08032	<0.005	
40.5	42	1.5	177609	CORE			A16-08032	0.006	
42	43.5	1.5	177610	CORE			A16-08032	<0.005	

43.5	45	1.5	177611	CORE		A16-08032	<0.005	
45	46.3	1.3	177612	CORE		A16-08032	<0.005	Quarter
		0	177613	DUP	177612	A16-08032	<0.005	
46.3	47.7	1.4	177614	CORE		A16-08032	<0.005	
47.7	49.2	1.5	177615	CORE		A16-08032	0.006	
49.2	50	0.8	177616	CORE		A16-08032	0.005	
50	51	1	177617	CORE		A16-08032	0.005	
51.12	52	0.88	177618	CORE		A16-08032	<0.005	
52	53.5	1.5	177619	CORE		A16-08659	<0.005	
53.5	54.5	1	177620	CORE		A16-08659	<0.005	
55	56.5	1.5	177621	CORE		A16-08659	0.016	
		0	177622	STD	CDN_GS_5K	A16-08659	3.51	
56.5	58	1.5	177623	CORE		A16-08659	0.014	
58	59.5	1.5	177624	CORE		A16-08659	0.008	
59.5	61	1.5	177625	CORE		A16-08659	0.006	
61	62	1	177626	CORE		A16-08659	0.005	
62	62.76	0.76	177627	CORE		A16-08448	0.007	
62.76	64.2	1.44	177628	CORE		A16-08448	0.009	
64.2	65.7	1.5	177629	CORE		A16-08448	0.009	
		0	177630	Blank	Blank	A16-08448	<0.005	
65.7	66.25	0.55	177631	CORE		A16-08448	0.03	
66.25	67.6	1.35	177632	CORE		A16-08448	0.007	
67.6	69	1.4	177633	CORE		A16-08448	0.009	
69	70.1	1.1	177634	CORE		A16-08448	0.138	
70.1	71.5	1.4	177635	CORE		A16-08448	0.015	
71.5	73	1.5	177636	CORE		A16-08448	0.372	
73	74.5	1.5	177637	CORE		A16-08448	0.016	
		0	177638	STD	CDN_GS_7B	A16-08448	6.29	
74.5	76	1.5	177639	CORE		A16-08448	0.01	
78.1	79.2	1.1	177640	CORE		A16-08448	0.021	
79.2	80.3	1.1	177641	CORE		A16-08451	0.007	
80.3	81.7	1.4	177642	CORE		A16-08451	<0.005	
81.7	83.2	1.5	177643	CORE		A16-08451	<0.005	
83.2	84.7	1.5	177644	CORE		A16-08451	<0.005	
108.7	110	1.3	177645	CORE		A16-08451	0.008	
110	111.5	1.5	177646	CORE		A16-08451	<0.005	Quarter

		0	177647	DUP	177646	A16-08451	<0.005	
111.5	112.8	1.3	177648	CORE		A16-08451	<0.005	
112.8	114	1.2	177649	CORE		A16-08451	<0.005	
114	115	1	177650	CORE		A16-08451	<0.005	
115	116.2	1.2	177651	CORE		A16-08451	<0.005	
116.2	117.5	1.3	177652	CORE		A16-08451	<0.005	
117.5	118.6	1.1	177653	CORE		A16-08451	<0.005	
118.6	119.7	1.1	177654	CORE		A16-08451	<0.005	
119.7	120.5	0.8	177655	CORE		A16-08451	<0.005	
		0	177656	STD	CDN_GS_5K	A16-08451	3.54	
120.5	121.6	1.1	177657	CORE		A16-08451	<0.005	
121.6	123	1.4	177658	CORE		A16-08451	<0.005	
123	124.1	1.1	177659	CORE		A16-08451	<0.005	
124.1	125.4	1.3	177660	CORE		A16-08451	<0.005	
125.4	126.9	1.5	177661	CORE		A16-08451	<0.005	
126.9	128	1.1	177662	CORE		A16-08451	<0.005	
128	129	1	177663	CORE		A16-08451	0.01	
		0	177664	Blank	Blank	A16-08451	<0.005	
14	15	1	BB_461520	CORE		1182_GEM	0	A09-5360
14	15	1	BB_461520	CORE		1182_GEM	0	A09-5360
15	16	1	BB_461521	CORE		1182_GEM	0.16	A09-5360
15	16	1	BB_461521	CORE		1182_GEM	0.16	A09-5360
15	16	1	BB_461521	CORE		1182_GEM	0.16	A09-5360
16	17.2	1.2	BB_461522	CORE		1182_GEM	0.22	A09-5360
16	17.2	1.2	BB_461522	CORE		1182_GEM	0.22	A09-5360
17.2	17.8	0.6	BB_461523	CORE		1182_GEM	0.76	A09-5360
17.2	17.8	0.6	BB_461523	CORE		1182_GEM	0.76	A09-5360
17.8	18.4	0.6	BB_461524	CORE		1182_GEM	0	A09-5360
17.8	18.4	0.6	BB_461524	CORE		1182_GEM	0	A09-5360
17.8	18.4	0.6	BB_461524	CORE		1182_GEM	0	A09-5360
18.4	18.8	0.4	BB_461525	CORE		1182_GEM	0.28	A09-5360
18.4	18.8	0.4	BB_461525	CORE		1182_GEM	0.28	A09-5360
18.8	19.8	1	BB_461526	CORE		1182_GEM	0	A09-5360
18.8	19.8	1	BB_461526	CORE		1182_GEM	0	A09-5360
19.8	20.1	0.3	BB_461527	CORE		1182_GEM	0.34	A09-5360
19.8	20.1	0.3	BB_461527	CORE		1182_GEM	0.34	A09-5360

54.5	55	0.5	BB_461528	CORE	1182_GEM	0.18	A09-5360
54.5	55	0.5	BB_461528	CORE	1182_GEM	0.18	A09-5360
76	77	1	BB_461529	CORE	1182_GEM	0.225	A09-5360
76	77	1	BB_461529	CORE	1182_GEM	0.225	A09-5360
76	77	1	BB_461529	CORE	1182_GEM	0.225	A09-5360
77	78.1	1.1	BB_461530	CORE	1182_GEM	0.24	A09-5360
77	78.1	1.1	BB_461530	CORE	1182_GEM	0.24	A09-5360
84.7	85.7	1	BB_461531	CORE	1182_GEM	0	A09-5360
84.7	85.7	1	BB_461531	CORE	1182_GEM	0	A09-5360
85.7	86.6	0.9	BB_461532	CORE	1182_GEM	0.85	A09-5360
85.7	86.6	0.9	BB_461532	CORE	1182_GEM	0.85	A09-5360
85.7	86.6	0.9	BB_461532	CORE	1182_GEM	0.85	A09-5360
86.6	87.15	0.55	BB_461533	CORE	1182_GEM	0	A09-5360
86.6	87.15	0.55	BB_461533	CORE	1182_GEM	0	A09-5360
87.15	88	0.85	BB_461534	CORE	1182_GEM	0.63	A09-5360
87.15	88	0.85	BB_461534	CORE	1182_GEM	0.63	A09-5360
87.15	88	0.85	BB_461534	CORE	1182_GEM	0.63	A09-5360
88	89.7	1.7	BB_461535	CORE	1182_GEM	0.135	
88	89.7	1.7	BB_461535	CORE	1182_GEM	0.135	
88	89.7	1.7	BB_461535	CORE	1182_GEM	0.135	
89.7	91	1.3	BB_461536	CORE	1182_GEM	0.4	A09-5360
89.7	91	1.3	BB_461536	CORE	1182_GEM	0.4	A09-5360
91	91.5	0.5	BB_461537	CORE	1182_GEM	0.12	A09-5360
91	91.5	0.5	BB_461537	CORE	1182_GEM	0.12	A09-5360
91.5	92.3	0.8	BB_461538	CORE	1182_GEM	0	A09-5360
91.5	92.3	0.8	BB_461538	CORE	1182_GEM	0	A09-5360
92.3	93.7	1.4	BB_461540	CORE	1182_GEM	0	A09-5360
92.3	93.7	1.4	BB_461540	CORE	1182_GEM	0	A09-5360
93.7	95.1	1.4	BB_461541	CORE	1182_GEM	0	A09-5360
93.7	95.1	1.4	BB_461541	CORE	1182_GEM	0	A09-5360
95.1	96.5	1.4	BB_461542	CORE	1182_GEM	0	A09-5360
95.1	96.5	1.4	BB_461542	CORE	1182_GEM	0	A09-5360
96.5	98	1.5	BB_461543	CORE	1182_GEM	0	A09-5360
96.5	98	1.5	BB_461543	CORE	1182_GEM	0	A09-5360
98	99.4	1.4	BB_461544	CORE	1182_GEM	0	A09-5360
98	99.4	1.4	BB_461544	CORE	1182_GEM	0	A09-5360

98	99.4	1.4	BB_461544	CORE	1182_GEM	0	A09-5360
99.4	100.8	1.4	BB_461545	CORE	1182_GEM	0	A09-5360
99.4	100.8	1.4	BB_461545	CORE	1182_GEM	0	A09-5360
100.8	101.5	0.7	BB_461546	CORE	1182_GEM	0	A09-5360
100.8	101.5	0.7	BB_461546	CORE	1182_GEM	0	A09-5360
101.5	102.3	0.8	BB_461547	CORE	1182_GEM	0.035	A09-5360
101.5	102.3	0.8	BB_461547	CORE	1182_GEM	0.035	A09-5360
101.5	102.3	0.8	BB_461547	CORE	1182_GEM	0.035	A09-5360
102.3	103.8	1.5	BB_461549	CORE	1182_GEM	0	A09-5360
102.3	103.8	1.5	BB_461549	CORE	1182_GEM	0	A09-5360
103.8	104.2	0.4	BB_461550	CORE	1182_GEM	0	A09-5360
103.8	104.2	0.4	BB_461550	CORE	1182_GEM	0	A09-5360
104.2	105.6	1.4	BB_461551	CORE	1182_GEM	0.28	A09-5360
104.2	105.6	1.4	BB_461551	CORE	1182_GEM	0.28	A09-5360
105.6	106.2	0.6	BB_461552	CORE	1182_GEM	0.18	A09-5360
105.6	106.2	0.6	BB_461552	CORE	1182_GEM	0.18	A09-5360
106.2	107.4	1.2	BB_461553	CORE	1182_GEM	0	A09-5360
106.2	107.4	1.2	BB_461553	CORE	1182_GEM	0	A09-5360
107.4	108.7	1.3	BB_461554	CORE	1182_GEM	0	A09-5360
107.4	108.7	1.3	BB_461554	CORE	1182_GEM	0	A09-5360
107.4	108.7	1.3	BB_461554	CORE	1182_GEM	0	A09-5360

Au Assay result colour coding Au >1 g/t Au <1 and >0.5 g/t Au <0.5 and >0.1 g/t

Drill Hole Log

Hole ID: B-09-32

DataSet: Jellicoe

Program: Exploration

Hole Status:	RELOGGED	Hole Length (m):	270	Logged By:	N/A
Hole Type:	Surface Drill Hole	Dip (°):	-61.7	Date Log Started:	N/A
Date Drill Started:	N/A	Azimuth:	126.6	Date Log Completed:	N/A
Date Drill Completed:	N/A	Survey Instrument	N/A		

Prospect:	Brookbank East			Company:	N/A
Grid ID:	UTM NAD 83 Zone 16N			Drill Contractor:	N/A
UTM East (m)	440,734.9	Survey Instrument:	Trimble RTK	Hole Diameter:	N/A
UTM North (m)	5,507,576.6	Date Surveyed:	01/07/2016	Casing Size:	N/A
Elevation (masl):	335.796	Surveyed By:	S. Ouellet	Casing Depth (m)	N/A
Tenement ID:	TB29030	Tenement Type:	Lease	Core Storage:	N/A

Purpose: N/A

Comments: Relogged and resampled 2016 by M. Cote. Original source 1182 GEMS

Downhole Data Available

Max Survey Depth (m): 270

Max Sample Depth (m): 270

Depth Logged To (m) 270

Meters Sampled 287.65

Total Samples 244 # Assay 220 # QAQC: 24

Downhole Survey								
Depth	Dip	Azimuth (True)	Survey Instrument	Survey Method	Survey Company	Date Surveyed	Comments	Survey Accepted
0	-61.7	126.6	N/A	1182 GEMS			assume same as first test	N/A
12	-61.7	126.6	N/A	1182 GEMS			log header page	N/A
50	-61.7	127.6	N/A	1182 GEMS			log header page	N/A
100	-61.6	131.8	N/A	1182 GEMS			log header page	N/A
150	-61.1	131.1	N/A	1182 GEMS			log header page	N/A
200	-61.2	130.7	N/A	1182 GEMS			log header page	N/A
250	-60.5	133.2	N/A	1182 GEMS			log header page	N/A
270	-60.5	134.9	N/A	1182 GEMS			log header page	N/A

Geology Summar							
<i>meters</i>							
From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize
3	37.15	34.15		E1	Mafic Volcanic	Pillowed	
37.15	52.35	15.2		E1	Mafic Volcanic	Pillowed	
52.35	60.45	8.1		E1	Mafic Volcanic	Pillowed	

Geology Summar*meters*

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize
60.45	81.57	21.12		E1	Mafic Volcanic	Amygdular / Amygdaloidal	
81.57	96.74	15.17		E1	Mafic Volcanic	Pillowed	
96.74	115	18.26		E1	Mafic Volcanic		
115	127.4	12.4		E1	Mafic Volcanic		
127.4	137.28	9.88		E1	Mafic Volcanic	Pillowed	
137.28	237	99.72		E1	Mafic Volcanic	Pillowed	
237	245.19	8.19		E1	Mafic Volcanic	Pillowed	
245.19	255.03	9.84		E1	Mafic Volcanic	Pillowed	
255.03	270	14.97		I1A	Gabbro	Massive	

DataSet: Jellicoe

Hole Length (m): 270

HoleID: B-09-32

Log Length (m): 270

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
3	37.15	34.15		E1	Mafic Volcanic	Pillowed		

Med green;FG;weak fol; weak-mod magnetic throughout; local clusters of carbonate and mafic infilled amygdules; mod chl&crb alteration with local epidote-potassic alteration associated with moderately preserved selvages in pillowed metavolcanics. Increased pyrite mineralization from ~13 to 37m displaying moderately silicified; hematite and sericite alt'd; brecciated qtz- fe crb veins (up to 2% pyrite). Mineralized veins account for ~ 10% of interval. 2-3% alteration derived epidote-k-spar veins& 2-3% thin fracture filling veins.

Alteration						
From	To	# Alteration	Intensity	Style	Comments	
14.6	33.82	1: Silicified	Moderate (26-50%)	Localized	Zone of increased veining and mineralization. Brecciated Qtz- fe crb veins that are moderately silicified with hematite and sericite alteration halos	
		2: Hematite	Moderate (26-50%)	Localized		
		3: Sericite	Moderate (26-50%)	Localized		

Minerals						
From	To	# Mineral	GrainSize	Style	%	Comments
6.7	6.8	1: Pyrite	Fine grained	Scattered grains	0.5	
		VG: No				
13.4	37.15	1: Pyrite	Fine grained	Scattered grains	1	
		VG: No				

Structures					
From	To	Code	Structure Type	Comments	
15.73	18.48	FOL	Foliation	Weak-moderate foliation in metavolcanic	

Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
3	6	1: Quartz-Fe-carbonate	Stockwork Veins			4.7	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.6	
6	9	1: Quartz-Fe-carbonate	Stockwork Veins			4.9	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.4	
9	12	1: Quartz-Fe-carbonate	Stockwork Veins			5.3	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.3	

DataSet: Jellicoe

Hole Length (m): 270

HoleID: B-09-32

Log Length (m): 270

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By	
Veins									
From	To	#	Vein Type		Style	%	Core Angle °	Thickness (cm)	Comments
12	15	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			5.8	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Stockwork Veins			4	
15	18	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			8.4	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Stockwork Veins			4.7	
18	21	1:	Quartz-Fe-carbonate		Stockwork Veins			3.9	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			2.8	
21	24	1:	Quartz-Fe-carbonate		Stockwork Veins			3.6	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			3.8	
24	27	1:	Quartz-Fe-carbonate		Stockwork Veins			3.9	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			3.1	
27	30	1:	Quartz-Fe-carbonate		Stockwork Veins			4.2	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			5.2	
30	33	1:	Quartz-Fe-carbonate		Stockwork Veins			3.2	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"	55		0.8	
33	36	1:	Quartz-Fe-carbonate		Stockwork Veins			2.4	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			5.5	

37.15 52.35 15.2 E1 Mafic Volcanic Pillowed

Med green;MG;generally massive with local weak-mod foliation; pervasive mod chl& crb alt'd; non magnetic; local epidote& potassic alt'd segments occurring as vein structures possibly related to remaining selvages in very weakly pillowed to massive flow metavolcanics. 1-2% mineralized qtz-fe crb veins with up to 0.5% pyrite weak hematite alt'd halos. 2-3% epidote-k-spar veins and 1-2% fracture filling qtz-crb veins. gabbroic in appearance (previously logged as gabbro)

Minerals								
From	To	#	Mineral	GrainSize	Style	%	Comments	
37.43	47.17	1:	Pyrite	Fine grained	Scattered grains	0.3		
			VG: No					

DataSet: Jellicoe

Hole Length (m): 270

HoleID: B-09-32

Log Length (m): 270

meters

From	To	Width	% Lith Code	Rocktype	Texture	GrainSize	Logged By
Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
39	42	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.6	
		2: Quartz-Fe-carbonate	Stockwork Veins			1.4	
42	45	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			4.9	
		2: Quartz-Fe-carbonate	Stockwork Veins			0.8	
45	48	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			4.6	
		2: Quartz-Fe-carbonate	Stockwork Veins			1.1	
48	51	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			6.8	
		2: Quartz-Fe-carbonate	Stockwork Veins			0.9	

52.35 60.45 8.1 E1 Mafic Volcanic Pillowed

Med green;FG;weak fol; local weak-mod magnetic sections; minor amygdules with carbonate and mafic infill; mod chl&crb alt'd with local epidote&k-spar related to moderately preserved selvages in pillowed metavolcanics. ~7-8% mineralized qtz- fe crb veins with up to 2-3% pyrite and minor hematite veinlets. moderate hematite-sericite halos and local vuggy textures. mineralized veins are slightly brecciated and silicified. ~5% alteration derived epidote-kspar veining and minor fracture filling qtz-crb veinlets.

Minerals							
From	To	# Mineral	GrainSize	Style	%	Comments	
54.35	54.7	1: BB NC	-	-	-	A09-5360	
		VG: No					
54.7	55.7	1: BB NC	-	-	-	A09-5360	
		VG: No					
55.7	56.8	1: BB NC	-	-	-	A09-5360	
		VG: No					
56.8	58.1	1: BB NC	-	-	-	A09-5360	
		VG: No					

Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
54	57	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			10.3	
		2: Quartz-Fe-carbonate	Stockwork Veins			1.5	

DataSet: Jellicoe

Hole Length (m): 270

HoleID: B-09-32

Log Length (m): 270

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By	
Veins									
From	To	#	Vein Type		Style	%	Core Angle °	Thickness (cm)	Comments
57	60	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			2.7	
		2:	Quartz-Fe-carbonate		Stockwork Veins			2.7	
60.45	81.57	21.12		E1	Mafic Volcanic	Amygdular / Amygdaloidal			

Med-light green;F-MG; generally massive with local weak foliation; mafic and carbonate infilled amygdules throughout; local weak magnetic; mod chl&crb alt'd massive flow metavolcanic. Local coarse grained pyrite in groundmass and well mineralized section with 2% pyrite in silicified qtz vein sequence@ ~74m(2-3% of interval). Hematite and sericite halos associated with mineralized veins. Minor epidote-kspars veining and 1-2% fracture filled qtz-crb veinlets. gabbroic in appearance (previously logged as gabbro)

Minerals							
From	To	#	Mineral	GrainSize	Style	%	Comments
73.8	75.04	1:	Pyrite	Fine grained	Scattered grains	1	
			VG: No				

Veins									
From	To	#	Vein Type		Style	%	Core Angle °	Thickness (cm)	Comments
63	66	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"	35		3.4	
		2:	Quartz-Fe-carbonate		Stockwork Veins			1.2	
66	69	1:	Quartz-Fe-carbonate		Stockwork Veins			1	
69	72	1:	Quartz-Fe-carbonate		Stockwork Veins			1.9	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			1.1	
72	75	1:	Quartz-Fe-carbonate		Stockwork Veins			1.7	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			0.5	
75	78	1:	Quartz-Fe-carbonate		Stockwork Veins			2.7	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			1.2	
78	81	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			2.6	
		2:	Quartz-Fe-carbonate		Stockwork Veins			2.8	

81.57 **96.74** 15.17 **E1** **Mafic Volcanic** Pillowed

Med-dark green:local weak-mod foliation: weak-mod magnetic: local carbonate and mafic infilled amygdules: mod chl& crb alt'd

DataSet: Jellicoe

Hole Length (m): 270

HoleID: B-09-32

Log Length (m): 270

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
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with local weak-mod epidote associated with moderately brecciated texture (showing intensity towards upper contact). Defined by ripped up pillows/selvages in metavolcanics. 5 well mineralized qtz-fe crb veins with up to 1% F-MG pyrite. weak hematite and silica alt'n associated with mineralized veins. 2% epidote-kspar veins & 2-3% fracture filling qtz-crb veinlets.

Alteration					
From	To	# Alteration	Intensity	Style	Comments
81.57	93.86	1: Epidote	Moderate (26-50%)	Pervasive	Moderate epidote alteration throughout brecciated section along with pervasive chl& crb alteration\
		2: Chlorite	Moderate (26-50%)	Pervasive	
		3: Fe-Carbonate	Moderate (26-50%)	Pervasive	

Minerals						
From	To	# Mineral	GrainSize	Style	%	Comments
89.7	90	1: Pyrite	Fine grained	Scattered grains	1	VG: No
94.27	95.75	1: Pyrite	Medium grained	Scattered grains	0.3	VG: No

Structures				
From	To	Code	Structure Type	Comments
81.57	93.86	FRA	Fracture	Moderately Brecciated metavolcanics

Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
84	87	1: Quartz-Fe-carbonate	Stockwork Veins			1.8	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.5	
87	90	1: Quartz-Fe-carbonate	Stockwork Veins			1.6	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.7	
90	93	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.1	
		2: Quartz-Fe-carbonate	Stockwork Veins			2.7	
93	96	1: Quartz-Fe-carbonate	Stockwork Veins			3.7	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.4	

96.74 115 18.26 E1 Mafic Volcanic

Fault zone; marked by 20 cm healed fault @ 98.7m. Med grey-green with local pink hue mafic metavolcanic; FG;weak fol; Local clusters of mafic and carbonate infilled amygdules; local weak-mod magnetic; mod chl&crb alt with local silicification and hematite

DataSet: Jellicoe

Hole Length (m): 270

HoleID: B-09-32

Log Length (m): 270

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
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alteration associated with pyrite mineralized and vuggy qtz- fe crb veins. 7-8% qtz-fe crb veins with up to 3% pyrite and 0.5% hematite. hematite and silica alteration associated with veins. 2-3% fracture filling qtz-fe crb veinlets that are not mineralized.

Minerals							
From	To	# Mineral	GrainSize	Style	%	Comments	
96.89	113.16	1: Pyrite	Medium grained	Scattered grains	2	Mineralized vuggy veins	
		VG: No	2: Hematite	Fine grained	0.5		
110.3	110.8	1: BB NC	-	-	-	A09-5360	
		VG: No					

Structures					
From	To	Code	Structure Type	Comments	
98.5	98.8	FLT	Fault	Healed fault with mineralized veining	

Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
99	102	1: Quartz-Fe-Carbonate	Stockwork Veins			2.2	
102	105	1: Quartz-Fe-Carbonate	Stockwork Veins			3.2	
105	108	1: Quartz-Fe-Carbonate	Stockwork Veins			3.7	
108	111	1: Quartz-Fe-Carbonate	Stockwork Veins			1.6	
111	114	1: Quartz-Fe-Carbonate	Stockwork Veins			2.8	

115 127.4 12.4 E1 Mafic Volcanic

Breccia; Med green with local orange-beige mafic metavolcanic host; non magnetic; mod chl& crb alt'd and weakly silicified throughout; 35% clastic material (angular qtz-crb vein fragments and host rock fragments up to 2cm in size; litho clasts are subject to moderate sericite and hematite alteration). Fracture filling qtz-crb and fe-crb veins throughout with more intense hem-sericite alteration associated with veins. Trace pyrite along vein margins with 0.5% hematite veinlets in qtz-crb veins and cutting breccia matrix.

Alteration					
From	To	# Alteration	Intesity	Style	Comments
115.2	127.4	1: Sericite	Strong (51-75%)	Patches	Moderate to strong sericite and moderate hematite alteration preferential to clastic material and qtz-fe crb vein margins in brecciated interval
		2: Hematite	Moderate (26-50%)	Patches	

Minerals							
From	To	# Mineral	GrainSize	Style	%	Comments	

DataSet: Jellicoe

Hole Length (m): 270

HoleID: B-09-32

Log Length (m): 270

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
115.35	127.3	1: Pyrite	Medium grained	Scattered grains	0.5	Brecciated veins with up to .5% pyrite and hematite veinlets		
		2: Hematite	Fine grained	Veinlet	0.5			
		3: Chalcopyrite	Fine grained	Blebs	0.1			
118.2	119.3	1: BB NC	-	-	-	A09-5360		
		VG: No						
119.3	120.6	1: BB NC	-	-	-	"		
		VG: No						
120.6	122	1: BB NC	-	-	-	A09-5360		
		VG: No						
122	123.4	1: BB NC	-	-	-	A09-5360		
		VG: No						
123.4	124.9	1: BB NC	-	-	-	A09-5360		
		VG: No						
124.9	126.3	1: BB NC	-	-	-	A09-5360		
		VG: No						

Structures					
From	To	Code	Structure Type	Comments	
117.2	126.1	FLT2	Fault - breccia	Brecciated interval of host rock	

Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
117	120	1: Quartz-Fe-Carbonate	Stockwork Veins			2.1	
120	123	1: Quartz-Fe-carbonate	Stockwork Veins			1	
123	126	1: Quartz-Fe-carbonate	Stockwork Veins			1	

127.4 137.28 9.88 E1 Mafic Volcanic Pillowed

Med to dark grey-green; FG; weak fol; local weak magnetic; mod chl&crb alt'd with local weak overprinting silicification and hematite alteration associated with some qtz-fe crb veins; local mafic and carbonate infilled amygdules and weakly preserved selvages in pillowed metavolcanics. 5% mineralized qtz- fe crb veins with up to 1% pyrite and local vuggy textures. 2-3% unmineralized fracture filling qtz-crb veining

Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments

DataSet: Jellicoe

Hole Length (m): 270

HoleID: B-09-32

Log Length (m): 270

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
129	132	1: Quartz-Fe-Carbonate			Stockwork Veins		3.8	
132	135	1: Quartz-Fe-carbonate			Stockwork Veins		2.3	

137.28 237 99.72 E1 Mafic Volcanic Pillowed

Med green with local light green and pink; FG; weak foliation; weak-moderate magnetic; Local mafic and carbonate infilled amygdules; pervasive mod chl& crb alteration with local mod-strong epidote and potassic alteration associated with moderately preserved selvages in pillowed metavolcanics. Alteration becomes more frequent and intense with depth. 2-3% mineralized and vuggy qtz- fe crb veins with up to 2% pyrite and minor local hematite. 2-3% fracture filling barren qtz-crb veins and 2% alteration derived epidote-kspar veins.

Alteration						
From	To	#	Alteration	Intensity	Style	Comments
178.83	212.78	1:	Epidote	Strong (51-75%)	Patches	Increased frequency of moderate to strong epidote and potassic alteration associated with preserved pillow selvages in metavolcanics
		2:	K-feldspar	Strong (51-75%)	Patches	

Minerals							
From	To	#	Mineral	GrainSize	Style	%	Comments
147.33	149.8	1:	Pyrite	Medium grained	Scattered grains	0.3	
			VG: No				
152.88	192.83	1:	Pyrite	Fine grained	Scattered grains	0.3	Sequence of mineralized vuggy veins. Trace pyrite and hematite
			VG: No				
201.15	225.8	1:	Pyrite	Medium grained	Scattered grains	0.3	
			VG: No				
		2:	Hematite	Fine grained	Veinlet	0.1	
226.4	226.9	1:	BB NC	-	-	-	A09-5360
			VG: No				
226.4	231.21	1:	Pyrite	Fine grained	Scattered grains	0.3	
			VG: No				

Structures				
From	To	Code	Structure Type	Comments
180.88	183.63	FOL	Foliation	Local moderate foliation in metavolcanics

Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
138	141	1:	Quartz-Fe-carbonate	Stockwork Veins			1.7	
		2:	Quartz-Fe-Carbonate / K-	Vein > 3"			2.3	

DataSet: Jellicoe

Hole Length (m): 270

HoleID: B-09-32

Log Length (m): 270

meters

From	To	Width	% Lith Code	Rocktype	Texture	GrainSize	Logged By	
Veins								
From	To	# Vein Type	Style	% Core Angle °	Thickness (cm)	Comments		
		Feldspar-epidote						
141	144	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		3.6			
		2: Quartz-Fe-carbonate	Stockwork Veins		1.7			
144	147	1: Quartz-Fe-carbonate	Stockwork Veins		2.2			
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		0.5			
147	150	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		1.9			
		2: Quartz-Fe-carbonate	Stockwork Veins		1.1			
150	153	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		2.8			
		2: Quartz-Fe-carbonate	Stockwork Veins		1.7			
153	156	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		2.1			
		2: Quartz-Fe-carbonate	Stockwork Veins		1.4			
156	159	1: Quartz-Fe-carbonate	Stockwork Veins		1.3			
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		2.1			
159	162	1: Quartz-Fe-carbonate	Stockwork Veins		1.6			
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		1.2			
162	165	1: Quartz-Fe-carbonate	Stockwork Veins		2.2			
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		1			
165	168	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		4.9			
		2: Quartz-Fe-carbonate	Stockwork Veins		1.1			
168	171	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		2.2			
		2: Quartz-Fe-carbonate	Stockwork Veins		0.8			
171	174	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		3.7			
		2: Quartz-Fe-carbonate	Stockwork Veins		1.1			

DataSet: Jellicoe

Hole Length (m): 270

HoleID: B-09-32

Log Length (m): 270

meters

From	To	Width	% Lith Code	Rocktype	Texture	GrainSize	Logged By
Veins							
From	To	# Vein Type		Style	% Core Angle °	Thickness (cm)	Comments
174	177	1: Quartz-Fe-Carbonate / K-Feldspar-epidote 2: Quartz-Fe-carbonate		Vein > 3" Stockwork Veins		1.4 1	
177	180	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		3.1	
180	183	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		1.3	
183	186	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		2.4	
186	189	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		1.8	
189	192	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		3.2	
192	195	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		1.8	
195	198	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		2.6	
198	201	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		1.7	
201	204	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		0.9	
204	207	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		1.5	
207	210	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		1.4	
210	213	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		1.8	
213	216	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		1.3	
216	219	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		2.4	
219	222	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		1.1	

DataSet: Jellicoe

Hole Length (m): 270

HoleID: B-09-32

Log Length (m): 270

meters

From	To	Width	% Lith Code	Rocktype	Texture	GrainSize	Logged By	
Veins								
From	To	# Vein Type		Style	%	Core Angle °	Thickness (cm)	Comments
222	225	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			0.9	
225	228	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			2.1	
228	231	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			0.6	
231	234	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			3.6	
234	237	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			3.8	

237 245.19 8.19 E1 Mafic Volcanic Pillowed

Med green; FG; weak foliation; local weak magnetic; mod chl& crb alteration throughout with local hematite alteration associated with qtz-fe crb veining in weakly pillowed metavolcanics. 2-3% qtz-fe crb veins with up to 1% pyrite and local hematite veinlets; displaying local vuggy and brecciated textures. 2% fracture filling qtz-crb veins throughout.

Minerals							
From	To	# Mineral	GrainSize	Style	%	Comments	
240	241.1	1: BB NC	-	-	-	A09-5360	
		VG: No					
241.1	242.5	1: BB NC	-	-	-	A09-5360	
		VG: No					
242.5	243.9	1: BB NC	-	-	-	A09-5360	
		VG: No					

Veins								
From	To	# Vein Type		Style	%	Core Angle °	Thickness (cm)	Comments
237	240	1: Quartz-Fe-carbonate		Stockwork Veins			2.6	
240	243	1: Quartz-Fe-Carbonate		Stockwork Veins			2.2	

245.19 255.03 9.84 E1 Mafic Volcanic Pillowed

Med green; FG; weak fol; local weak-moderate magnetic; mod chl& crb alteration with local mod epidote and weak potassic alteration associated with moderately preserved selvages in pillowed metavolcanics. 1% qtz-crb veins with trace pyrite and chalcopyrite. 2-3% fracture filling qtz-crb veins and local minor epidote-kspars veins.

DataSet: Jellicoe

Hole Length (m): 270

HoleID: B-09-32

Log Length (m): 270

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
251.6	251.8	1: Pyrite	Fine grained	Scattered grains	0.1	Trace pyrite and chalcopyrite in qtz-crb vein		
		VG: No	2: Chalcopyrite	Fine grained	0.1			

From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
246	249	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.1	
249	252	1: Quartz-Fe-carbonate	Stockwork Veins			2.8	
252	255	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.7	
		2: Quartz-Fe-carbonate	Stockwork Veins			0.9	

255.03 **270** 14.97 **I1A** **Gabbro** Massive

Med-light green; MG; generally massive; non magnetic; mod chl& crb alteration with local mod epidote-potassic alteration associated with rare moderately preserved selvages in pillowed metavolcanic. 1% qtz-crb veins with trace pyrite. 1% fracture filling qtz-crb veinlets and 2% epidote-kspar veins.

From	To	Code	Structure Type	Comments
255.03	270	FOL	Foliation	Pervasive weak foliaton in massive flow/ gabbro

From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
258	261	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			0.7	
		2: Quartz-Fe-carbonate	Stockwork Veins			0.5	
261	264	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.9	
		2: Quartz-Fe-carbonate	Stockwork Veins			0.7	
264	267	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1	
		2: Quartz-Fe-carbonate	Stockwork Veins			1.1	
267	270	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.5	
		2: Quartz-Fe-carbonate	Stockwork Veins			1.2	

Downhole Samples
and Assay Results



DataSet: Jellicoe

Hole Length (m): 270

Primary Assay Samples: 220 90.16 %

HoleID: B-09-32

Max Samp Depth (m): 270

Field Duplicate Samples: 6 2.46 %

Standard/Blank Samples: 18 7.38 %

Total meters Sampled: 287.65

Total Samples: 244

<i>meters</i>			SampleID	Type	Original SampleID	StandardID	Batch #	Au (g/t)	Comments
From	To	Width							
3	4.5	1.5	177835	CORE			A16-08666	0.05	
4.5	6	1.5	177836	CORE			A16-08666	<0.005	
6	7.5	1.5	177837	CORE			A16-08666	0.006	
7.5	9	1.5	177838	CORE			A16-08666	<0.005	
9	10.5	1.5	177839	CORE			A16-08666	<0.005	
10.5	12	1.5	177840	CORE			A16-08666	<0.005	
12	13.4	1.4	177841	CORE			A16-08666	<0.005	
		0	177842	STD		CDN_GS_P4B	A16-08666	0.44	
13.4	14.6	1.2	177843	CORE			A16-08666	<0.005	
14.6	15.8	1.2	177844	CORE			A16-08666	0.007	
15.8	17.3	1.5	177845	CORE			A16-08448	<0.005	
17.3	18.8	1.5	177846	CORE			A16-08448	0.005	
18.8	20	1.2	177847	CORE			A16-08448	0.01	
20	21.3	1.3	177848	CORE			A16-08448	0.009	
21.3	22	0.7	177849	CORE			A16-08448	0.108	Quarter
		0	177850	DUP	177849		A16-08448	0.075	
22	23	1	177851	CORE			A16-08448	0.053	
23	24.28	1.28	177852	CORE			A16-08448	0.011	
24.28	25.3	1.02	177853	CORE			A16-08448	0.005	
25.3	26.3	1	177854	CORE			A16-08448	<0.005	
26.3	27.3	1	177855	CORE			A16-08448	0.009	
27.3	28.6	1.3	177856	CORE			A16-08666	<0.005	
28.6	29.8	1.2	177857	CORE			A16-08666	0.01	
29.8	31.1	1.3	177858	CORE			A16-08666	0.008	
31.1	32.6	1.5	177859	CORE			A16-08666	0.022	
		0	177860	STD		CDN_GS_5K	A16-08666	3.67	
32.6	33.82	1.22	177861	CORE			A16-08666	0.011	
33.82	35.3	1.48	177862	CORE			A16-08666	0.033	
35.3	36.2	0.9	177863	CORE			A16-08666	0.011	

36.2	37.15	0.95	177864	CORE		A16-08666	0.009	
37.15	38.5	1.35	177865	CORE		A16-08666	<0.005	
38.5	40	1.5	177866	CORE		A16-08666	<0.005	
40	41.5	1.5	177867	CORE		A16-08666	<0.005	
		0	177868	Blank	Blank	A16-08666	<0.005	
41.5	43	1.5	177869	CORE		A16-08666	<0.005	
43	44.5	1.5	177870	CORE		A16-08666	0.006	
44.5	46	1.5	177871	CORE		A16-08666	0.006	
46	47.5	1.5	177872	CORE		A16-08666	<0.005	
47.5	49	1.5	177873	CORE		A16-08666	0.005	
49	50.5	1.5	177874	CORE		A16-08666	<0.005	
50.5	51.4	0.9	177875	CORE		A16-08666	<0.005	
		0	177876	STD	CDN_GS_P4B	A16-08666	0.504	
51.4	52.35	0.95	177877	CORE		A16-08666	<0.005	
52.35	53.4	1.05	177878	CORE		A16-08666	<0.005	
53.4	54.35	0.95	177879	CORE		A16-08666	<0.005	
58.1	59.5	1.4	177880	CORE		A16-08671	0.006	
59.5	60.45	0.95	177881	CORE		A16-08671	0.008	
60.45	62	1.55	177882	CORE		A16-08671	0.007	
62	63.5	1.5	177883	CORE		A16-08671	0.007	
63.5	65	1.5	177884	CORE		A16-08671	0.014	Quarter
		0	177885	DUP	177884	A16-08671	0.01	
65	66.5	1.5	177886	CORE		A16-08671	0.007	
66.5	68	1.5	177887	CORE		A16-08671	0.006	
68	69.5	1.5	177888	CORE		A16-08671	0.008	
69.5	71	1.5	177889	CORE		A16-08671	0.006	
71	72.5	1.5	177890	CORE		A16-08671	0.006	
72.5	73.7	1.2	177891	CORE		A16-08788	0.008	
73.7	75	1.3	177892	CORE		A16-08788	1.45	
75	76.5	1.5	177893	CORE		A16-08788	0.005	
		0	177894	STD	CDN_GS_5K	A16-08788	3.44	
76.5	78	1.5	177895	CORE		A16-08788	0.005	
78	79.5	1.5	177896	CORE		A16-08788	0.006	
79.5	80.5	1	177897	CORE		A16-08788	<0.005	
80.5	81.57	1.07	177898	CORE		A16-08788	<0.005	
81.57	83	1.43	177899	CORE		A16-08788	0.006	

83	84.5	1.5	177900	CORE		A16-08788	<0.005	
84.5	86	1.5	177901	CORE		A16-08788	<0.005	
		0	177902	Blank	Blank	A16-08788	<0.005	
86	87.5	1.5	177903	CORE		A16-08788	<0.005	
87.5	89	1.5	177904	CORE		A16-08788	<0.005	
89	90.15	1.15	177905	CORE		A16-08788	0.006	
90.15	91.5	1.35	177906	CORE		A16-08788	<0.005	
91.5	93	1.5	177907	CORE		A16-08788	<0.005	
93	94.5	1.5	177908	CORE		A16-08788	<0.005	
94.5	95.8	1.3	177909	CORE		A16-08788	<0.005	
		0	177910	STD	CDN_GS_P4B	A16-08788	0.365	
95.8	96.74	0.94	177911	CORE		A16-08788	<0.005	
96.74	97.85	1.11	177912	CORE		A16-08788	0.005	
97.85	99	1.15	177913	CORE		A16-08448	0.006	
99	100	1	177914	CORE		A16-08448	0.174	
100	100.9	0.9	177915	CORE		A16-08448	0.039	
100.9	102.17	1.27	177916	CORE		A16-08448	0.403	
102.17	103	0.83	177917	CORE		A16-08448	0.102	
103	104.5	1.5	177918	CORE		A16-08448	0.009	Quarter
		0	177919	DUP	177918	A16-08448	0.007	
105.4	106.9	1.5	177920	CORE		A16-08788	0.079	
106.9	108.1	1.2	177921	CORE		A16-08788	0.009	
108.1	109.33	1.23	177922	CORE		A16-08788	0.01	
113.7	115	1.3	177923	CORE		A16-08788	<0.005	
115	116.1	1.1	177924	CORE		A16-08788	0.005	
116.1	117.2	1.1	177925	CORE		A16-08788	<0.005	
117.2	118.2	1	177926	CORE		A16-08788	0.006	
126.3	127.4	1.1	177927	CORE		A16-08788	<0.005	
		0	177928	STD	CDN_GS_5K	A16-08788	3.54	
127.4	128.75	1.35	177929	CORE		A16-08788	<0.005	
128.75	130.2	1.45	177930	CORE		A16-08788	<0.005	
130.2	131.5	1.3	177931	CORE		A16-08788	<0.005	
131.5	133	1.5	177932	CORE		A16-08789	0.005	
133	134.4	1.4	177933	CORE		A16-08789	<0.005	
134.4	135.9	1.5	177934	CORE		A16-08789	<0.005	
135.9	137.28	1.38	177935	CORE		A16-08789	<0.005	

		0	177936	Blank	Blank	A16-08789	<0.005	
137.28	138.5	1.22	177937	CORE		A16-08789	<0.005	
138.5	139.8	1.3	177938	CORE		A16-08848	<0.005	
139.8	141.3	1.5	177939	CORE		A16-08848	<0.005	
141.3	142.6	1.3	177940	CORE		A16-08848	<0.005	
142.6	144	1.4	177941	CORE		A16-08848	<0.005	
144	145.5	1.5	177942	CORE		A16-08848	<0.005	
145.5	147	1.5	177943	CORE		A16-08848	<0.005	
		0	177944	STD	CDN_GS_P4B	A16-08848	0.377	
147	148.5	1.5	177945	CORE		A16-08848	0.005	
148.5	149.8	1.3	177946	CORE		A16-08848	0.007	
149.8	151	1.2	177947	CORE		A16-08848	<0.005	
151	152.5	1.5	177948	CORE		A16-08848	<0.005	
152.5	154	1.5	177949	CORE		A16-08848	0.006	
154	155.5	1.5	177950	CORE		A16-08848	<0.005	
155.5	157	1.5	177951	CORE		A16-08848	<0.005	
157	158.3	1.3	177952	CORE		A16-08848	<0.005	
158.3	159.6	1.3	177953	CORE		A16-08848	<0.005	
159.6	161	1.4	177954	CORE		A16-08848	<0.005	Quarter
		0	177955	DUP	177954	A16-08848	<0.005	
161	162.25	1.25	177956	CORE		A16-08848	<0.005	
162.25	163.4	1.15	177957	CORE		A16-08848	<0.005	
163.4	164.65	1.25	177958	CORE		A16-08848	<0.005	
164.65	166.15	1.5	177959	CORE		A16-08848	<0.005	
166.15	167.5	1.35	177960	CORE		A16-08848	<0.005	
167.5	169	1.5	177961	CORE		A16-08848	0.008	
		0	177962	STD	CDN_GS_5K	A16-08848	3.48	
169	170.5	1.5	177963	CORE		A16-08903	<0.005	
170.5	171.5	1	177964	CORE		A16-08903	<0.005	
171.5	172.65	1.15	177965	CORE		A16-08903	<0.005	
172.65	174	1.35	177966	CORE		A16-08903	<0.005	
174	175.35	1.35	177967	CORE		A16-08903	<0.005	
175.35	176.6	1.25	177968	CORE		A16-08903	<0.005	
176.6	178	1.4	177969	CORE		A16-08903	<0.005	
		0	177970	Blank	Blank	A16-08903	<0.005	
178	179.5	1.5	177971	CORE		A16-08903	<0.005	

179.5	181	1.5	177972	CORE		A16-08903	<0.005	
181	182.5	1.5	177973	CORE		A16-08903	<0.005	
182.5	184	1.5	177974	CORE		A16-08903	<0.005	
184	185.5	1.5	177975	CORE		A16-08903	<0.005	
185.5	187	1.5	177976	CORE		A16-08903	<0.005	
187	188.5	1.5	177977	CORE		A16-08903	<0.005	
		0	177978	STD	CDN_GS_P4B	A16-08903	0.453	
188.5	190	1.5	177979	CORE		A16-08903	<0.005	
190	191.5	1.5	177980	CORE		A16-08903	<0.005	
191.5	193	1.5	177981	CORE		A16-08903	<0.005	
193	194.5	1.5	177982	CORE		A16-08903	<0.005	
194.5	196	1.5	177983	CORE		A16-08903	<0.005	
196	197.5	1.5	177984	CORE		A16-08901	0.005	
197.5	199	1.5	177985	CORE		A16-08901	0.007	
199	200.5	1.5	177986	CORE		A16-08901	<0.005	Quarter
		0	177987	DUP	177986	A16-08901	0.006	
200.5	202	1.5	177988	CORE		A16-08901	0.005	
202	203.5	1.5	177989	CORE		A16-08901	<0.005	
203.5	205	1.5	177990	CORE		A16-08901	<0.005	
205	206.5	1.5	177991	CORE		A16-08901	<0.005	
206.5	208	1.5	177992	CORE		A16-08901	<0.005	
208	209.5	1.5	177993	CORE		A16-08901	<0.005	
209.5	211	1.5	177994	CORE		A16-08901	<0.005	
211	212.3	1.3	177995	CORE		A16-08901	<0.005	
		0	177996	STD	CDN_GS_5K	A16-08901	4.03	
212.3	213.5	1.2	177997	CORE		A16-08901	<0.005	
213.5	215	1.5	177998	CORE		A16-08989	<0.005	
215	216.5	1.5	177999	CORE		A16-08989	<0.005	
216.5	218	1.5	178000	CORE		A16-08989	<0.005	
218	219.4	1.4	178001	CORE		A16-08989	<0.005	
219.4	220.6	1.2	178002	CORE		A16-08989	<0.005	
220.6	222	1.4	178003	CORE		A16-08989	<0.005	
		0	178004	Blank	Blank	A16-08989	<0.005	
222	223.5	1.5	178005	CORE		A16-08989	<0.005	
223.5	224.6	1.1	178006	CORE		A16-08989	<0.005	
224.6	225.9	1.3	178007	CORE		A16-08989	<0.005	

229.9	231.4	1.5	178008	CORE		A16-08989	<0.005	
231.4	232.8	1.4	178009	CORE		A16-08989	<0.005	
232.8	234.3	1.5	178010	CORE		A16-08989	<0.005	
234.3	235.6	1.3	178011	CORE		A16-08989	<0.005	
		0	178012	STD	CDN_GS_P4B	A16-08989	0.396	
235.6	237	1.4	178013	CORE		A16-08989	<0.005	
237	238.5	1.5	178014	CORE		A16-08989	<0.005	
246.8	248.3	1.5	178015	CORE		A16-08989	<0.005	
248.3	249.7	1.4	178016	CORE		A16-08989	<0.005	
249.7	251	1.3	178017	CORE		A16-08989	<0.005	
251	252.5	1.5	178018	CORE		A16-08989	<0.005	
252.5	254	1.5	178019	CORE		A16-08989	<0.005	Quarter
		0	178020	DUP	178019	A16-08989	<0.005	
254	255.03	1.03	178021	CORE		A16-08989	<0.005	
255.03	256.5	1.47	178022	CORE		A16-08989	<0.005	
256.5	258	1.5	178023	CORE		A16-08989	<0.005	
258	259.5	1.5	178024	CORE		A16-08989	<0.005	
259.5	261.04	1.54	178025	CORE		A16-08989	<0.005	
261.04	262.5	1.46	178026	CORE		A16-08989	<0.005	
262.5	264	1.5	178027	CORE		A16-08989	<0.005	
264	265.5	1.5	178028	CORE		A16-08989	<0.005	
		0	178029	STD	CDN_GS_5K	A16-08989	3.25	
265.5	267	1.5	178030	CORE		A16-08989	<0.005	
267	268.5	1.5	178031	CORE		A16-08989	<0.005	
268.5	270	1.5	178032	CORE		A16-08991	0.008	
109.53	110.2	0.67	178033	CORE		A16-08789	0.011	
110.7	111.3	0.6	178034	CORE		A16-08789	0.006	
111.3	112.5	1.2	178035	CORE		A16-08789	0.009	
112.5	113.7	1.2	178036	CORE		A16-08789	0.005	
226.1	226.4	0.3	178037	CORE		A16-08991	0.005	
		0	178038	Blank	Blank	A16-08991	<0.005	
226.9	228.4	1.5	178039	CORE		A16-08991	0.005	
228.4	229.9	1.5	178040	CORE		A16-08991	<0.005	
238.5	240	1.5	178041	CORE		A16-08991	0.005	
243.9	245.4	1.5	178042	CORE		A16-08991	0.006	
245.4	246.8	1.4	178043	CORE		A16-08991	<0.005	

104.5	105.4	0.9	178044	CORE	A16-08789	2.01	
54.35	54.7	0.35	BB_461555	CORE	1182_GEM	2.25	A09-5360
54.35	54.7	0.35	BB_461555	CORE	1182_GEM	2.25	A09-5360
54.7	55.7	1	BB_461556	CORE	1182_GEM	0	A09-5360
54.7	55.7	1	BB_461556	CORE	1182_GEM	0	A09-5360
55.7	56.8	1.1	BB_461557	CORE	1182_GEM	0.005	A09-5360
55.7	56.8	1.1	BB_461557	CORE	1182_GEM	0.005	A09-5360
55.7	56.8	1.1	BB_461557	CORE	1182_GEM	0.005	A09-5360
56.8	58.1	1.3	BB_461558	CORE	1182_GEM	0	A09-5360
56.8	58.1	1.3	BB_461558	CORE	1182_GEM	0	A09-5360
110.2	110.7	0.5	BB_461560	CORE	1182_GEM	11.398	A09-5360
110.2	110.7	0.5	BB_461560	CORE	1182_GEM	11.398	A09-5360
110.2	110.7	0.5	BB_461560	CORE	1182_GEM	11.398	A09-5360
118.2	119.3	1.1	BB_461561	CORE	1182_GEM	0	A09-5360
118.2	119.3	1.1	BB_461561	CORE	1182_GEM	0	A09-5360
119.3	120.6	1.3	BB_461562	CORE	1182_GEM	0.005	"
119.3	120.6	1.3	BB_461562	CORE	1182_GEM	0.005	"
119.3	120.6	1.3	BB_461562	CORE	1182_GEM	0.005	"
120.6	122	1.4	BB_461563	CORE	1182_GEM	0	A09-5360
120.6	122	1.4	BB_461563	CORE	1182_GEM	0	A09-5360
122	123.4	1.4	BB_461564	CORE	1182_GEM	0	A09-5360
122	123.4	1.4	BB_461564	CORE	1182_GEM	0	A09-5360
122	123.4	1.4	BB_461564	CORE	1182_GEM	0	A09-5360
123.4	124.9	1.5	BB_461565	CORE	1182_GEM	0	A09-5360
123.4	124.9	1.5	BB_461565	CORE	1182_GEM	0	A09-5360
124.9	126.3	1.4	BB_461566	CORE	1182_GEM	0	A09-5360
124.9	126.3	1.4	BB_461566	CORE	1182_GEM	0	A09-5360
226.4	226.9	0.5	BB_461567	CORE	1182_GEM	0	A09-5360
226.4	226.9	0.5	BB_461567	CORE	1182_GEM	0	A09-5360
240	241.1	1.1	BB_461568	CORE	1182_GEM	0	A09-5360
240	241.1	1.1	BB_461568	CORE	1182_GEM	0	A09-5360
241.1	242.5	1.4	BB_461569	CORE	1182_GEM	0	A09-5360
241.1	242.5	1.4	BB_461569	CORE	1182_GEM	0	A09-5360
242.5	243.9	1.4	BB_461570	CORE	1182_GEM	0	A09-5360
242.5	243.9	1.4	BB_461570	CORE	1182_GEM	0	A09-5360

Au Assay result colour coding Au >1 g/t Au <1 and >0.5 g/t Au <0.5 and >0.1 g/t

Drill Hole Log

Hole ID: M-1

DataSet: Jellicoe

Program: Exploration

Hole Status:	RELOGGED	Hole Length (m):	126.19	Logged By:	N/A
Hole Type:	Surface Drill Hole	Dip (°):	-45	Date Log Started:	N/A
Date Drill Started:	N/A	Azimuth:	162	Date Log Completed:	N/A
Date Drill Completed:	N/A	Survey Instrument	N/A		

Prospect:	Brookbank East	Company:	N/A
Grid ID:	UTM NAD 83 Zone 16N	Drill Contractor:	N/A
UTM East (m)	440,635.4	Survey Instrument:	GPS
UTM North (m)	5,507,698.4	Date Surveyed:	N/A
Elevation (masl):	325	Surveyed By:	JD. Barnes
Tenement ID:	TB29030	Tenement Type:	Lease
		Casing Size:	N/A
		Casing Depth (m)	N/A
		Core Storage:	N/A

Purpose: N/A

Comments: Relogged and resampled 2016 by M. Cote. Original source 1182 GEMS

Downhole Data Available

Max Survey Depth (m): 126.19

Max Sample Depth (m): 126.19

Depth Logged To (m) 126.19

Meters Sampled 117.76

Total Samples 106 **# Assay** 97 **# QAQC:** 9

Downhole Survey								
Depth	Dip	Azimuth (True)	Survey Instrument	Survey Method	Survey Company	Date Surveyed	Comments	Survey Accepted
0	-45	162	N/A	1182 GEMS			DMBW	N/A
91.44	-37	162	N/A	1182 GEMS			DMBW	N/A
126.19	-41	162	N/A	1182 GEMS			DMBW	N/A

Geology Summar							
<i>meters</i>							
From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize
15.24	49.8	34.56		S2	Siltstone	Bedded	
49.8	64.52	14.72		E1	Mafic Volcanic		
64.52	75.75	11.23		S1A	Argillite		
75.75	87.5	11.75		M3	Schist		
87.5	93.27	5.77		FLT	Fault Zone		
93.27	99	5.73		S2	Siltstone		
99	111	12		M3	Schist		
111	126.19	15.19		S4	Conglomerate		

DataSet: Jellicoe

Hole Length (m): 126.19

HoleID: M-1

Log Length (m): 126.19

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
15.24	49.8	34.56		S2	Siltstone	Bedded		

Med grey with local lighter grey beds; non magnetic; fine to very fine grained; weak-moderate foliation and local strong grain size beds; weak-moderate chlorite alteration with concentration in fine grained graphitic beds in fine sandstone to siltstone. 2-3% qtz-crbb veins; occasional trace pyrite but generally barren.

Alteration

From	To	# Alteration	Intensity	Style	Comments
15.24	49.8	1: Chlorite	Moderate (26-50%)	Banding	Bands/beds of moderately chloritic and graphitic argillite/siltstone
		2: Graphite	Moderate (26-50%)	Banding	

Structures

From	To	Code	Structure Type	Comments
39	49	BED	Bedding (S0)	Strong thin grain size bedding in siltstone/graphitic argillite

Veins

From	To	# Vein Type	Style	% Core Angle °	Thickness (cm)	Comments
18	21	1: Quartz-Fe-carbonate	Vein > 3"		3.2	
21	24	1: Quartz-Fe-carbonate	Vein > 3"		9.7	
24	27	1: Quartz-Fe-carbonate	Vein > 3"		6.1	
27	30	1: Quartz-Fe-carbonate	Vein > 3"		5.6	
30	33	1: Quartz-Fe-carbonate	Vein > 3"		5.3	
33	36	1: Quartz-Fe-carbonate	Vein > 3"		5.4	
36	39	1: Quartz-Fe-carbonate	Vein > 3"		4.4	
39	42	1: Quartz-Fe-carbonate	Vein > 3"		3.2	
42	45	1: Quartz-Fe-carbonate	Vein > 3"		1.8	
45	48	1: Quartz-Fe-carbonate	Vein > 3"		3.9	

49.8 64.52 14.72 E1 Mafic Volcanic

Altered metavolcanics (possible gabbro) Med-light green-beige fading to light beige with depth; FG; moderate-strong foliation; non magnetic; pervasive weak-mod chlorite and variable sericite alteration and minor fuchsite throughout. Sericite becomes more dominant with depth (beige colour). Interval is well fractured and has up to 10% qtz-crbb veining. Trace disseminated pyrite found throughout

Alteration

From	To	# Alteration	Intensity	Style	Comments

DataSet: Jellicoe

Hole Length (m): 126.19

HoleID: M-1

Log Length (m): 126.19

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Alteration								
From	To	# Alteration		Intensity	Style	Comments		
49.8	64.52	1: Sericite		Strong (51-75%)	Pervasive	Variable sericite alteration throughout getting stronger with depth. Weak-moderate chlorite alteration with minor patchy fuchsite throughout.		
		2: Chlorite		Moderate (26-50%)	Pervasive			
		3: Fuchsite		Weak (1-25%)	Patches			
Minerals								
From	To	# Mineral		GrainSize	Style	%	Comments	
56.69	58.37	1: BB NC		-	-	-	DMBW	
		VG: No						
59.74	61.26	1: BB NC		-	-	-	DMBW	
		VG: No						
Structures								
From	To	Code	Structure Type		Comments			
50	64	FOL	Foliation		Moderate to strong foliation throughout altered metavolcanics			
Veins								
From	To	# Vein Type		Style	%	Core Angle °	Thickness (cm)	Comments
51	54	1: Quartz-Fe-carbonate		Stockwork Veins			9.6	
54	57	1: Quartz-Fe-carbonate		Stockwork Veins			20	
57	60	1: Quartz-Fe-carbonate		Stockwork Veins			14	
60	63	1: Quartz-Fe-carbonate		Stockwork Veins			8.5	

64.52 75.75 11.23 S1A Argillite

Alteration								
From	To	# Alteration		Intensity	Style	Comments		
64.52	75.75	1: Graphite		Very strong (76-99%)	Pervasive	Very graphitic section with local sulphide replacement of fe oxides		
Minerals								
From	To	# Mineral		GrainSize	Style	%	Comments	
65.53	67.06	1: BB NC		-	-	-	DMBW	
		VG: No						

DataSet: Jellicoe

Hole Length (m): 126.19

HoleID: M-1

Log Length (m): 126.19

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
70.5	70.87	1: BB NC	-	-	-	DMBW		
VG: No								
71.75	72.45	1: BB NC	-	-	-	DMBW		
VG: No								
74.31	74.89	1: BB NC	-	-	-	DMBW		
VG: No								

75.75 87.5 11.75 M3 Schist

Med-dark brown-orange based on heavy oxidation over time; previously logged as light green-beige. Brecciated and silicified interval; moderate foliation; non magnetic; moderate sericite alteration. Estimate of 2-3% qtz-crb veining with up to 1% pyrite.

Alteration						
From	To	# Alteration	Intesity	Style	Comments	
75.75	87.5	1: Sericite 2: Silicified	Moderate (26-50%) Weak (1-25%)	Pervasive Pervasive	Moderate sericite alteration with weak silicifcation in weakly brecciated interval	

Minerals						
From	To	# Mineral	GrainSize	Style	%	Comments
79.1	80.62	1: BB NC	-	-	-	DMBW
VG: No						
84.12	85.65	1: BB NC	-	-	-	DMBW
VG: No						

87.5 93.27 5.77 FLT Fault Zone

Fault gouge/ rubbly material. Refer to litho description above and below.

Minerals						
From	To	# Mineral	GrainSize	Style	%	Comments
87.78	89.31	1: BB NC	-	-	-	DMBW
VG: No						
91.74	93.27	1: BB NC	-	-	-	DMBW
VG: No						

93.27 99 5.73 S2 Siltstone

DataSet: Jellicoe

Hole Length (m): 126.19

HoleID: M-1

Log Length (m): 126.19

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
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Med grey with local light beige section towards lower contact; Fine to very fine grained; non magnetic; strong foliation/ mm scale bedding throughout with local tight folds; moderate chlorite alteration throughout with 50% graphitic beds and local sericite alteration towards LC in siltstone to argillite. 2-3% qtz-crb veins.

Alteration						
From	To	#	Alteration	Intensity	Style	Comments
93.27	99	1:	Chlorite	Moderate (26-50%)	Banding	Banded chlorite and graphite alteration (together) with local sericite alteration towards lower contact
		2:	Graphite	Moderate (26-50%)	Banding	
		3:	Sericite	Moderate (26-50%)	Localized	

Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
96	99	1:	Quartz-Fe-carbonate	Vein > 3"			2.3	

99 111 12 M3 Schist

Sericite-chlorite schist(looks to be sediment derived; possible conglomerate) light beige to orange in sections; FG; strong foliation; local tight folds; non magnetic; pervasive strong sericite and chlorite alteration; 1-2% qtz-crb veins. Trace pyrite.

Alteration						
From	To	#	Alteration	Intensity	Style	Comments
99	111	1:	Sericite	Strong (51-75%)	Pervasive	Pervasive moderate to strong sericite and chlorite alteration
		2:	Chlorite	Strong (51-75%)	Pervasive	

Minerals							
From	To	#	Mineral	GrainSize	Style	%	Comments
100.89	102.41	1:	BB NC	-	-	-	DMBW
			VG: No				
106.07	107.5	1:	BB NC	-	-	-	DMBW
			VG: No				

Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
99	102	1:	Quartz-Fe-carbonate	Vein > 3"			2.6	
102	105	1:	Quartz-Fe-carbonate	Vein > 3"			1.9	
105	108	1:	Quartz-Fe-carbonate	Vein > 3"			2.9	
108	111	1:	Quartz-Fe-carbonate	Vein > 3"			3.6	

DataSet: Jellicoe

Hole Length (m): 126.19

HoleID: M-1

Log Length (m): 126.19

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
111	126.19	15.19		S4	Conglomerate			

Med green-grey with local beige sections; Fine grained; non magnetic; moderate chlorite and local weak sericite alteration; moderate foliation and local grain size bedding in matrix of polymineralic matrix supported conglomerate with about 30% round to semi rounded; 0.5-3cm clasts. 2-3% qtz-crb veins. Local trace pyrite associated with some veins.

Alteration						
From	To	#	Alteration	Intensity	Style	Comments
111	126.19	1:	Chlorite	Moderate (26-50%)	Pervasive	Pervasive weak-moderate chlorite alteration (variable) and local weak sericite alteration in conglomerate
		2:	Sericite	Weak (1-25%)	Localized	

Minerals							
From	To	#	Mineral	GrainSize	Style	%	Comments
114.57	114.91	1:	BB NC	-	-	-	DMBW
VG: No							

Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
111	114	1:	Quartz-Fe-carbonate	Vein > 3"			3.3	
114	117	1:	Quartz-Fe-carbonate	Vein > 3"			4.1	
117	120	1:	Quartz-Fe-carbonate	Vein > 3"			2.5	
120	123	1:	Quartz-Fe-carbonate	Vein > 3"			1.6	
123	126	1:	Quartz-Fe-carbonate	Stockwork Veins			3.6	

Downhole Samples
and Assay Results



DataSet: Jellicoe

Hole Length (m): 126.19

Primary Assay Samples: 97 91.51 %

HoleID: M-1

Max Samp Depth (m): 126.19

Field Duplicate Samples: 2 1.89 %

Standard/Blank Samples: 7 6.6 %

Total meters Sampled: 117.76

Total Samples: 106

<i>meters</i>			SampleID	Type	Original SampleID	StandardID	Batch #	Au (g/t)	Comments
From	To	Width							
15.24	16.55	1.31	178620	CORE			A16-09592	<0.005	
16.7	18	1.3	178621	CORE			A16-09592	<0.005	
18	19.5	1.5	178622	CORE			A16-09592	<0.005	
19.5	21	1.5	178623	CORE			A16-09592	0.005	
		0	178624	STD		CDN_GS_P4B	A16-09592	0.419	
21	22.5	1.5	178625	CORE			A16-09592	<0.005	
22.5	24	1.5	178626	CORE			A16-09592	<0.005	
24	25.5	1.5	178627	CORE			A16-09592	<0.005	
25.5	27	1.5	178628	CORE			A16-09592	<0.005	
27	28.5	1.5	178629	CORE			A16-09592	<0.005	
28.5	30	1.5	178630	CORE			A16-09592	<0.005	
30	31.5	1.5	178631	CORE			A16-09592	<0.005	
31.5	32.5	1	178632	CORE			A16-09592	<0.005	
32.5	34	1.5	178633	CORE			A16-09592	<0.005	Quarter
		0	178634	DUP	178633		A16-09592	<0.005	
34	35	1	178635	CORE			A16-09592	<0.005	
35	36	1	178636	CORE			A16-09592	<0.005	
36	37	1	178637	CORE			A16-09592	<0.005	
37.2	38.5	1.3	178638	CORE			A16-09592	<0.005	
38.5	39.62	1.12	178639	CORE			A16-09592	<0.005	
39.62	40.6	0.98	178640	CORE			A16-09592	<0.005	
40.9	42.22	1.32	178641	CORE			A16-09592	<0.005	
		0	178642	STD		CDN_GS_5K	A16-09592	3.63	
42.65	44.1	1.45	178643	CORE			A16-09592	<0.005	
44.1	45.5	1.4	178644	CORE			A16-09592	<0.005	
45.5	47	1.5	178645	CORE			A16-09592	0.015	
47	48.25	1.25	178646	CORE			A16-09592	0.013	
48.55	49.8	1.25	178647	CORE			A16-09592	<0.005	
49.8	50.14	0.34	178648	CORE			A16-09592	<0.005	

50.44	52	1.56	178649	CORE		A16-09592	<0.005	
		0	178650	Blank	Blank	A16-09592	<0.005	
52	53.2	1.2	178651	CORE		A16-09592	<0.005	
53.2	54.5	1.3	178652	CORE		A16-09592	<0.005	
54.5	55.6	1.1	178653	CORE		A16-09592	<0.005	
55.6	56.69	1.09	178654	CORE		A16-09643	0.005	
58.37	59.74	1.37	178655	CORE		A16-09643	0.037	
61.26	62.5	1.24	178656	CORE		A16-09643	<0.005	
62.5	64.01	1.51	178657	CORE		A16-09643	<0.005	
		0	178658	STD	CDN_GS_P4B	A16-09643	0.434	
70.87	71.75	0.88	178659	CORE		A16-09643	0.013	
72.45	73.5	1.05	178660	CORE		A16-09643	0.017	
73.5	74.31	0.81	178661	CORE		A16-09643	0.013	
75.75	77	1.25	178662	CORE		A16-09643	<0.005	
77	78.09	1.09	178663	CORE		A16-09643	<0.005	
78.09	79.1	1.01	178664	CORE		A16-09643	<0.005	
80.62	82	1.38	178665	CORE		A16-09643	<0.005	
82	83.2	1.2	178666	CORE		A16-09643	<0.005	Quarter
		0	178667	DUP	178666	A16-09643	0.005	
83.2	84.12	0.92	178668	CORE		A16-09643	<0.005	
85.65	86.7	1.05	178669	CORE		A16-09643	<0.005	
86.7	87.5	0.8	178670	CORE		A16-09643	<0.005	
93.27	93.7	0.43	178671	CORE		A16-09643	0.006	
94.4	95.7	1.3	178672	CORE		A16-09643	<0.005	
95.7	97	1.3	178673	CORE		A16-09643	0.006	
97	98	1	178674	CORE		A16-09643	<0.005	
98	99	1	178675	CORE		A16-09643	0.007	
		0	178676	STD	CDN_GS_5K	A16-09643	3.68	
99	100	1	178677	CORE		A16-09643	0.01	
100	100.89	0.89	178678	CORE		A16-09643	0.007	
102.41	103.8	1.39	178679	CORE		A16-09643	0.011	
103.8	105	1.2	178680	CORE		A16-09643	<0.005	
105	106.07	1.07	178681	CORE		A16-09643	0.02	
107.5	109	1.5	178682	CORE		A16-09643	0.005	
109.4	111	1.6	178683	CORE		A16-09643	0.03	
		0	178684	STD	CDN_GS_P4B	A16-09643	0.428	entered incorectly as a blank

111	112.5	1.5	178685	CORE		A16-09643	0.035	
112.5	113.7	1.2	178686	CORE		A16-09643	0.009	
113.7	114.57	0.87	178687	CORE		A16-09643	0.034	
114.91	116.2	1.29	178688	CORE		A16-09652	0.009	
116.2	117.6	1.4	178689	CORE		A16-09652	0.006	
117.8	118.9	1.1	178690	CORE		A16-09652	0.007	
118.9	119.7	0.8	178691	CORE		A16-09652	0.168	
		0	178692	STD	CDN_GS_P4B	A16-09652	0.389	
120.2	121.5	1.3	178693	CORE		A16-09652	0.011	
121.5	123	1.5	178694	CORE		A16-09652	0.015	
123	124.2	1.2	178695	CORE		A16-09652	0.104	
124.2	125.2	1	178696	CORE		A16-09652	0.218	
125.2	126.19	0.99	178697	CORE		A16-09652	0.01	
56.69	58.37	1.68	BB_8431	CORE		1182_GEM	0.069	DMBW
56.69	58.37	1.68	BB_8431	CORE		1182_GEM	0.069	DMBW
59.74	61.26	1.52	BB_8432	CORE		1182_GEM	0	DMBW
59.74	61.26	1.52	BB_8432	CORE		1182_GEM	0	DMBW
64.01	65.53	1.52	BB_8433	CORE		1182_GEM	0	DMBW
64.01	65.53	1.52	BB_8433	CORE		1182_GEM	0	DMBW
65.53	67.06	1.53	BB_8434	CORE		1182_GEM	0	DMBW
65.53	67.06	1.53	BB_8434	CORE		1182_GEM	0	DMBW
70.5	70.87	0.37	BB_8435	CORE		1182_GEM	0	DMBW
70.5	70.87	0.37	BB_8435	CORE		1182_GEM	0	DMBW
71.75	72.45	0.7	BB_8436	CORE		1182_GEM	0	DMBW
71.75	72.45	0.7	BB_8436	CORE		1182_GEM	0	DMBW
74.31	74.89	0.58	BB_8437	CORE		1182_GEM	0.274	DMBW
74.31	74.89	0.58	BB_8437	CORE		1182_GEM	0.274	DMBW
79.1	80.62	1.52	BB_8438	CORE		1182_GEM	0	DMBW
79.1	80.62	1.52	BB_8438	CORE		1182_GEM	0	DMBW
84.12	85.65	1.53	BB_8439	CORE		1182_GEM	0	DMBW
84.12	85.65	1.53	BB_8439	CORE		1182_GEM	0	DMBW
87.78	89.31	1.53	BB_8440	CORE		1182_GEM	0.069	DMBW
87.78	89.31	1.53	BB_8440	CORE		1182_GEM	0.069	DMBW
91.74	93.27	1.53	BB_8441	CORE		1182_GEM	0.069	DMBW
91.74	93.27	1.53	BB_8441	CORE		1182_GEM	0.069	DMBW
100.89	102.41	1.52	BB_8442	CORE		1182_GEM	0	DMBW

100.89	102.41	1.52	BB_8442	CORE	1182_GEM	0	DMBW
106.07	107.5	1.43	BB_8443	CORE	1182_GEM	0	DMBW
106.07	107.5	1.43	BB_8443	CORE	1182_GEM	0	DMBW
114.57	114.91	0.34	BB_8444	CORE	1182_GEM	0	DMBW
114.57	114.91	0.34	BB_8444	CORE	1182_GEM	0	DMBW

Au Assay result colour coding Au >1 g/t Au <1 and >0.5 g/t Au <0.5 and >0.1 g/t

Drill Hole Log

Hole ID: M-2

DataSet: Jellicoe

Program: Exploration

Hole Status:	RELOGGED	Hole Length (m):	61.57	Logged By:	N/A
Hole Type:	Surface Drill Hole	Dip (°):	-45	Date Log Started:	N/A
Date Drill Started:	N/A	Azimuth:	167	Date Log Completed:	N/A
Date Drill Completed:	N/A	Survey Instrument	N/A		

Prospect:	Brookbank East	Company:	N/A
Grid ID:	UTM NAD 83 Zone 16N	Drill Contractor:	N/A
UTM East (m)	440,655.2	Survey Instrument:	N/A
UTM North (m)	5,507,631.1	Date Surveyed:	N/A
Elevation (masl):	329	Surveyed By:	N/A
Tenement ID:	TB29030	Tenement Type:	Lease
		Casing Size:	N/A
		Casing Depth (m)	N/A
		Core Storage:	N/A

Purpose: N/A

Comments: Relogged and resampled 2016 by M. Cote. Original source 1182 GEMS

Downhole Data Available

Max Survey Depth (m): 35.05

Max Sample Depth (m): 61.56

Depth Logged To (m) 61.56

Meters Sampled 37.18

Total Samples 30 **# Assay** 26 **# QAQC:** 4

Downhole Survey								
Depth	Dip	Azimuth (True)	Survey Instrument	Survey Method	Survey Company	Date Surveyed	Comments	Survey Accepted
0	-45	167	N/A	1182 GEMS			DMBW	N/A
35.05	-46	167	N/A	1182 GEMS			DMBW	N/A

Geology Summar							
<i>meters</i>							
From	To	Width	% Lith	Code	Rocktype	Texture	GrainSize
24.38	61.56	37.18		E1	Mafic Volcanic	Pillowed	

DataSet: Jellicoe

Hole Length (m): 61.57

HoleID: M-2

Log Length (m): 61.56

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
24.38	61.56	37.18		E1	Mafic Volcanic	Pillowed		

Med-dark green;F-Mg;weak foliation; local weak-moderate magnetic; minor local carb and mafic infilled amygdules; pervasive mod chlorite altered with local sections of weak-moderate magnetite alteration and patchy epidote associated with pillowed metavolcanics. Appears to be a sequence of different pulses; some 1-2m sections appear to be massive (gabbroic in appearance). 1-2% qtz- fe crb veins with up to 0.5% pyrite.(~40-43m slightly brecciated and silicified; lacking sericite and hematite alteration as seen in other BB East holes)2-3% thin fracture filling qtz-crb veins and minor epidote veins (lacking the k-feldspar seen in other BB East holes) related to selvages. Rare clusters of pyrite in groundmass towards end of hole

Alteration					
From	To	# Alteration	Intensity	Style	Comments
24.38	40	1: Chlorite 2: Epidote	Moderate (26-50%) Moderate (26-50%)	Pervasive Patches	Pervasive moderate chlorite alteration with patchy epidote throughout associated to selvages
40	43	1: Magnetite	Moderate (26-50%)	-	Local magnetite alteration in lightly mineralized interval
43	61.56	1: Chlorite 2: Epidote	Moderate (26-50%) Moderate (26-50%)	Pervasive Patches	Pervasive moderate chlorite alteration with patchy epidote throughout associated to selvages

Minerals						
From	To	# Mineral	GrainSize	Style	%	Comments
31.64	31.74	1: Pyrite	Fine grained	Scattered grains	1	
		VG: No				
40.38	42.88	1: Pyrite	Fine grained	Scattered grains	0.5	
		VG: No				
51.47	51.9	1: Pyrite	Fine grained	Stringers	0.3	
		VG: No				
52.4	52.47	1: Pyrite	Fine grained	Scattered grains	0.5	
		VG: No				
55.18	55.26	1: Pyrite	Fine grained	Blebs	0.5	
		VG: No				
56.38	56.54	1: Pyrite	Fine grained	Scattered grains	0.1	
		VG: No				
		2: Hematite	Fine grained	Veinlet	1	
57.62	57.68	1: Pyrite	Fine grained	Scattered grains	0.3	
		VG: No				
59.23	59.35	1: Pyrite	Fine grained	Scattered grains	0.3	
		VG: No				

DataSet: Jellicoe

Hole Length (m): 61.57

HoleID: M-2

Log Length (m): 61.56

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Structures								
From	To	Code	Structure Type		Comments			
24.38	30.4	FOL	Foliation		Weak foliation defined by alignment of more mafic components in metavolcanics			
44	49.5	BAN	Banding		Local ~10-15cm sections of strong banded foliation in metavolcanics			
Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
27	30	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			5.9	
			2: Quartz-Fe-carbonate	Stockwork Veins			2.2	
30	33	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			6.1	
			2: Quartz-Fe-carbonate	Stockwork Veins			1.2	
33	36	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			4.9	
			2: Quartz-Fe-carbonate	Stockwork Veins			0.8	
36	39	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			4.3	
			2: Quartz-Fe-carbonate	Stockwork Veins			1.6	
39	42	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.8	
			2: Quartz-Fe-carbonate	Stockwork Veins			3.5	
42	45	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			5.9	
			2: Quartz-Fe-carbonate	Stockwork Veins			3	
45	48	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			4.7	
			2: Quartz-Fe-carbonate	Stockwork Veins			2.4	
48	51	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.9	
			2: Quartz-Fe-carbonate	Stockwork Veins			4.1	
51	54	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			6.2	
			2: Quartz-Fe-carbonate	Stockwork Veins			0.9	

DataSet: Jellicoe

Hole Length (m): 61.57

HoleID: M-2

Log Length (m): 61.56

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Veins								
From	To	#	Vein Type		Style	%	Core Angle °	Thickness (cm)
54	57	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			5.1
		2:	Quartz-Fe-carbonate		Stockwork Veins			1.6
57	60	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			6.1
		2:	Quartz-Fe-carbonate		Stockwork Veins			1.9

Downhole Samples
and Assay Results



DataSet: Jellicoe

Hole Length (m): 61.57

Primary Assay Samples: 26 86.67 %

HoleID: M-2

Max Samp Depth (m): 61.56

Field Duplicate Samples: 1 3.33 %

Standard/Blank Samples: 3 10 %

Total meters Sampled: 37.18

Total Samples: 30

<i>meters</i>			SampleID	Type	Original SampleID	StandardID	Batch #	Au (g/t)	Comments
From	To	Width							
24.38	25.8	1.42	178529	CORE			A16-09292	<0.005	Quarter
		0	178530	DUP	178529		A16-09292	<0.005	
25.8	27.6	1.8	178531	CORE			A16-09292	<0.005	
27.6	29	1.4	178532	CORE			A16-09292	0.005	
29	30.5	1.5	178533	CORE			A16-09292	<0.005	
30.5	32	1.5	178534	CORE			A16-09324	0.009	
32	33.5	1.5	178535	CORE			A16-09324	0.008	
33.5	35	1.5	178536	CORE			A16-09324	0.007	
35	36.5	1.5	178537	CORE			A16-09324	0.008	
36.5	38	1.5	178538	CORE			A16-09324	0.005	
		0	178539	STD		CDN_GS_5K	A16-09324	3.96	
38	39.5	1.5	178540	CORE			A16-09324	0.009	
39.5	40.7	1.2	178541	CORE			A16-09324	0.007	
40.7	42	1.3	178542	CORE			A16-09324	0.009	
42	43	1	178543	CORE			A16-09324	0.007	
43	44.5	1.5	178544	CORE			A16-09324	0.006	
44.5	46	1.5	178545	CORE			A16-09324	0.008	
46	47.5	1.5	178546	CORE			A16-09324	0.011	
47.5	49	1.5	178547	CORE			A16-09324	0.011	
		0	178548	Blank		Blank	A16-09324	<0.005	
49	50.5	1.5	178549	CORE			A16-09324	0.074	
50.5	52	1.5	178550	CORE			A16-09324	0.016	
52	53.5	1.5	178551	CORE			A16-09324	0.007	
53.5	55	1.5	178552	CORE			A16-09324	0.014	
55	56.5	1.5	178553	CORE			A16-09324	0.011	
56.5	58	1.5	178554	CORE			A16-09324	0.015	
58	59.5	1.5	178555	CORE			A16-09324	0.01	
		0	178556	STD		CDN_GS_P4B	A16-09324	0.428	
59.5	60.55	1.05	178557	CORE			A16-09324	0.013	

60.55 61.56 1.01 178558 CORE A16-09324 0.011

Au Assay result colour coding Au >1 g/t Au <1 and >0.5 g/t Au <0.5 and >0.1 g/t

Drill Hole Log

Hole ID: M-3

DataSet: Jellicoe

Program: Exploration

Hole Status:	RELOGGED	Hole Length (m):	124.05	Logged By:	N/A
Hole Type:	Surface Drill Hole	Dip (°):	-45	Date Log Started:	N/A
Date Drill Started:	N/A	Azimuth:	162	Date Log Completed:	N/A
Date Drill Completed:	N/A	Survey Instrument	N/A		

Prospect:	Brookbank East	Company:	N/A
Grid ID:	UTM NAD 83 Zone 16N	Drill Contractor:	N/A
UTM East (m)	440,662.9	Survey Instrument:	N/A
UTM North (m)	5,507,604.8	Date Surveyed:	N/A
Elevation (masl):	329	Surveyed By:	N/A
Tenement ID:	TB29030	Tenement Type:	Lease
		Casing Size:	N/A
		Casing Depth (m)	N/A
		Core Storage:	N/A

Purpose: N/A

Comments: Relogged and resampled 2016 by M. Cote. Original source 1182 GEMS

Downhole Data Available

Max Survey Depth (m): 123.75

Max Sample Depth (m): 124.05

Depth Logged To (m) 124.05

Meters Sampled 125.38

Total Samples 107 **# Assay** 95 **# QAQC:** 12

Downhole Survey								
Depth	Dip	Azimuth (True)	Survey Instrument	Survey Method	Survey Company	Date Surveyed	Comments	Survey Accepted
0	-45	162	N/A	1182 GEMS			DMBW	N/A
123.75	-24	162	N/A	1182 GEMS			DMBW	N/A

Geology Summar							
<i>meters</i>							
From	To	Width	% Lith	Code	Rocktype	Texture	GrainSize
1.83	21.39	19.56		E1	Mafic Volcanic	Pillowed	
21.39	26.2	4.81		E1	Mafic Volcanic	Amygdular / Amygdaloidal	
26.2	26.78	0.58		E1	Mafic Volcanic	Banded	
26.78	54.6	27.82		E1	Mafic Volcanic	Pillowed	
54.6	88.23	33.63		E1	Mafic Volcanic	Pillowed	
88.23	105.36	17.13		E1	Mafic Volcanic	Pillowed	
105.36	124.05	18.69		E1	Mafic Volcanic	Pillowed	

DataSet: Jellicoe

Hole Length (m): 124.05

HoleID: M-3

Log Length (m): 124.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
1.83	21.39	19.56		E1	Mafic Volcanic	Pillowed		

Med green;FG;weak foliation; very weakly magnetic groundmass; pervasive moderate chlorite and local mod carb alt'd with patchy epidote-kspars alteration related to prevered selvages in pillowed metavolcanics. 1% highly magnetic bands of magnetite with sulphide replaced (pyrite) margins. 1-2% Qtz-Fe-Crb veins with up to 0.5% pyrite and minor hematite-sericite alt'd halos (some appear completely rusty). 2% fracture filling Qtz-Crb veins and alteration derived epidote-kspars veins.

Minerals						
From	To	# Mineral	GrainSize	Style	%	Comments
2	2.75	1: Pyrite	Fine grained	Scattered grains	1	
		VG: No				
7.04	20.21	1: Pyrite	Fine grained	Scattered grains	0.5	
		VG: No				

Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
3	6	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			5.3	
		2: Quartz-Fe-carbonate	Stockwork Veins			1.4	
6	9	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.8	
		2: Quartz-Fe-carbonate	Stockwork Veins			1.7	
9	12	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.4	
		2: Quartz-Fe-carbonate	Stockwork Veins			1.1	
12	15	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.9	
		2: Quartz-Fe-carbonate	Stockwork Veins			1.3	
15	18	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.2	
		2: Quartz-Fe-carbonate	Stockwork Veins			2.6	
18	21	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.4	
		2: Quartz-Fe-carbonate	Stockwork Veins			1.6	

21.39	26.2	4.81	E1	Mafic Volcanic	Amygdular / Amygdaloidal
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Med green;FG;generally massive to very weak foliation; mod chlorite alt'd groundmass with local thin epidote veinlets; non magnetic; mafic and minor carb infilled amygdules throughout; very little to no evidence of selvages in amygdaloidal massive flow metavolcanics. 2-3% thin Qtz-Crb (minor Fe content) up to 0.5% pyrite; some appear rusty. 2% thin fracture filling Qtz-Crb veins and

DataSet: Jellicoe

Hole Length (m): 124.05

HoleID: M-3

Log Length (m): 124.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
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thin epidote veinlets.

26.2 26.78 0.58 E1 Mafic Volcanic Banded

Intense silicification. Interval begins green and incorporates many colours as a result of compositionally banded/alterd host. Fine grained. Local weak magnetic; begins with moderate chlorite alteration; and banding (resembles mm scale bedding) begins where hematite and sericite alteration becomes more dominant. All is overprinted with a strong silicification. 7-8% silicified qtz- fe crb veins lined with up to 0.5% stringers and scattered pyrite. 2-3% fracture filling qtz-crb veins.

Alteration						
From	To	#	Alteration	Intensity	Style	Comments
26.2	26.78	1:	Silicified	Very strong (76-99%)	Pervasive	Compositional banded interval with distinct bands of hematite and sericite alt'd host all overprinted by strong silica alteration
		2:	Hematite	Moderate (26-50%)	Banding	
		3:	Sericite	Moderate (26-50%)	Banding	

Minerals							
From	To	#	Mineral	GrainSize	Style	%	Comments
26.2	26.78	1:	Pyrite	Fine grained	Scattered grains	1	
			VG: No				

Structures						
From	To	Code	Structure Type	Comments		
26.2	26.78	BAN	Banding	Strong compositionally banded metavolcanic based on alternating dominant alteration		

26.78 54.6 27.82 E1 Mafic Volcanic Pillowed

Med green grey with local dark grey-black; FG; weak foliation; moderate chlorite and local weak epidote and strong magnetite alteration associated with prevered selvages in pillowed metavolcanics. Magnetite altered bands are common and sometimes silicified with 0.5% sulphide replaced margins with fine to medium grained euhedral to subhedral pyrite. 2 previously sampled intervals (41.85-42.79 and 53.4-54.19) of increased qtz- fe crb veins that are brecciated; weakly silicified; mineralized with up to 2% pyrite and thin crosscutting hematite veinlets; with hematite-sericite alteration halos. 2% mineralized qtz-fe crb veins not part of brecciated sections that carry up to 0.5% pyrite and exhibit weak hematite-sericite halos and some minor silicification. 2-3% fracture filling qtz-crb veins and minor epidote-kspars veins.

Alteration						
From	To	#	Alteration	Intensity	Style	Comments
29.5	50	1:	Magnetite	Strong (51-75%)	Patches	Patchy magnetite alteration that seems to be associated with pillow selvages based on alternating orientation of bands. Minor hematite alteration in sections with more qtz-fe crb veins.
		2:	Hematite	Weak (1-25%)	Patches	

Minerals						
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DataSet: Jellicoe

Hole Length (m): 124.05

HoleID: M-3

Log Length (m): 124.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
From	To	# Mineral		GrainSize	Style	%	Comments	
28.8	29.71	1: Pyrite		Fine grained	Scattered grains	0.5		
		VG: No						
31.07	39.8	1: Pyrite		Medium grained	Scattered grains	0.5		
		VG: No						
41.41	44.17	1: Pyrite		Fine grained	Scattered grains	2		
		2: Hematite		Fine grained	Veinlet	0.3		
		VG: No						
41.85	42.79	1: BB NC		-	-	-	DMBW	
		VG: No						
49.67	51.02	1: Pyrite		Fine grained	Scattered grains	0.5		
		VG: No						
51.93	54.33	1: Pyrite		Fine grained	Scattered grains	0.5		
		VG: No						
53.4	54.19	1: BB NC		-	-	-	DMBW	
		VG: No						

Veins

From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
27	30	1: Quartz-Fe-carbonate	Stockwork Veins			4.2	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.1	
30	33	1: Quartz-Fe-carbonate	Stockwork Veins			1.5	
33	36	1: Quartz-Fe-carbonate	Stockwork Veins			1.6	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			0.8	
36	39	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.5	
		2: Quartz-Fe-carbonate	Stockwork Veins			1.1	
39	42	1: Quartz-Fe-carbonate	Stockwork Veins			1.8	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.3	
45	48	1: Quartz-Fe-carbonate	Stockwork Veins			3.6	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.2	

54.6 88.23 33.63 E1 Mafic Volcanic Pillowed

Med green with local med grey; FG;weak foliation; local moderate magnetic where sparse magnetite alteration dominates a

DataSet: Jellicoe

Hole Length (m): 124.05

HoleID: M-3

Log Length (m): 124.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
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generally chloritic groundmass; local carb and mafic infilled amygdules; moderate patchy epidote and minor kspar alteration associated with preserved selvages in pillowed metavolcanics. Distinct section of magnetite alteration that is subject to minor silicification and well veined with ~5% qtz- fe crb veins that show local vuggy textures; slightly brecciated; and mineralized with up to 1% pyrite. 2-3% qtz-fe crb veins not part of magnetite altered section that are mineralized with up to 0.5% pyrite and have minor hematite-sericite halos. 3-4% fracture filling qtz-crb veins and epidote-kspar veins

Alteration

From	To	# Alteration	Intensity	Style	Comments
68.8	72	1: Magnetite 2: Hematite 3: Sericite	Weak (1-25%) Weak (1-25%) Weak (1-25%)	Localized Localized Localized	Local weak magnetite; hematite; and sericite alteration associated with vuggy qtz- fe crb veins.
83	88.2	1: Epidote 2: K-feldspar	Strong (51-75%) Moderate (26-50%)	Patches Patches	Strong epidote and minor k-spar alteration associated to pillow selvages.

Minerals

From	To	# Mineral	GrainSize	Style	%	Comments
58.67	59.15	1: Pyrite	Fine grained	Scattered grains	0.5	VG: No
61.27	61.38	1: Pyrite	Fine grained	Scattered grains	0.3	VG: No
62.83	63.12	1: Pyrite	Fine grained	Scattered grains	0.3	VG: No
64.67	64.77	1: Pyrite	Fine grained	Scattered grains	0.3	VG: No
68.84	69.54	1: Pyrite 2: Hematite	Fine grained Fine grained	Scattered grains Veinlet	1 0.5	VG: No
70.87	73.09	1: Pyrite 2: Hematite	Fine grained Fine grained	Scattered grains Veinlet	1 0.5	VG: No
74.26	75.06	1: Pyrite	Fine grained	Scattered grains	0.3	VG: No
78.84	80.47	1: Pyrite	Fine grained	Scattered grains	0.3	VG: No
82.56	82.69	1: Pyrite	Fine grained	Scattered grains	0.3	VG: No
84.14	86.7	1: Pyrite	Fine grained	Scattered grains	0.5	VG: No

DataSet: Jellicoe

Hole Length (m): 124.05

HoleID: M-3

Log Length (m): 124.05

meters

From	To	Width	% Lith Code	Rocktype	Texture	GrainSize	Logged By
Structures							
From	To	Code	Structure Type	Comments			
77.75	77.89	FOL	Foliation	Local mod-strong foliation defined by alignment of amygdules.			
Veins							
From	To	# Vein Type	Style	% Core Angle °	Thickness (cm)	Comments	
57	60	1: Quartz-Fe-carbonate	Stockwork Veins		3.5		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		2.4		
60	63	1: Quartz-Fe-carbonate	Stockwork Veins		3.2		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		1.6		
63	66	1: Quartz-Fe-carbonate	Stockwork Veins		2.7		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		1.9		
66	69	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		5.8		
		2: Quartz-Fe-carbonate	Stockwork Veins		2.1		
69	72	1: Quartz-Fe-carbonate	Stockwork Veins		3.1		
72	75	1: Quartz-Fe-carbonate	Stockwork Veins		4.9		
75	78	1: Quartz-Fe-carbonate	Stockwork Veins		3.7		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		1.6		
78	81	1: Quartz-Fe-carbonate	Stockwork Veins		5.1		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		1.4		
81	84	1: Quartz-Fe-carbonate	Stockwork Veins		3.1		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		1.6		
84	87	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"		3.8		
		2: Quartz-Fe-carbonate	Stockwork Veins		2.9		

88.23 105.36 17.13 E1 Mafic Volcanic Pillowed

Med grey-green;FG;weak foliation; weak-moderate magnetic; minor carb filled amygdules; mod chlorite and very weak magnetite alteration (based on colour and magnetism) throughout very weakly pillowed metavolcanics.3-4% qtz- fe crb veins that are mineralized with up to 1% pyrite; exhibiting local vuggy textures and minor silicification; along with moderate hematite-sericite

DataSet: Jellicoe

Hole Length (m): 124.05

HoleID: M-3

Log Length (m): 124.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
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alteration halos in areas where veining becomes weakly brecciated.2-3% fracture filling qtz-crb veins.

Minerals							
From	To	# Mineral	GrainSize	Style	%	Comments	
88.25	89.65	1: Pyrite	Fine grained	Scattered grains	0.5	VG: No	
90.75	92.76	1: Pyrite	Fine grained	Scattered grains	1	VG: No	
94.86	95.4	1: Pyrite	Fine grained	Scattered grains	1	VG: No	
96.45	99	1: Pyrite	Fine grained	Scattered grains	0.3	VG: No	
100.25	102.41	1: BB NC	-	-	-	DMBW	
						VG: No	

Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
90	93	1: Quartz-Fe-Carbonate	Stockwork Veins			3.3	
93	96	1: Quartz-Fe-Carbonate	Stockwork Veins			4.1	
96	99	1: Quartz-Fe-carbonate	Stockwork Veins			1.7	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			0.6	

105.36 124.05 18.69 E1 Mafic Volcanic Pillowed

Med green;FG; weak foliation; weak-mod magnetic that fades with depth; regular carb and mafic infilled amygdules; pervasive moderate chlorite and patchy epidote-kspars alteration associated with moderately preserved selvages in pillowed metavolcanics. 2-3% qtz- fe crb veins that are mineralized with maximum 0.5% euhedral fine to med grained pyrite and minor hematite blebs/veinlets. veins are locally vuggy and oxidized. 2% thin fracture filled qtz- fe crb veins and alteration derived epidote-kspars

Alteration						
From	To	# Alteration	Intensity	Style	Comments	
120.2	123.5	1: Epidote	Strong (51-75%)	Patches	Most intense epidote with minor kspars alteration of M-3 hole. Insignificant? But distinct	
		2: K-feldspar	Moderate (26-50%)	Patches		

Minerals						
From	To	# Mineral	GrainSize	Style	%	Comments
107.3	108.78	1: Pyrite	Fine grained	Scattered grains	0.5	

DataSet: Jellicoe

Hole Length (m): 124.05

HoleID: M-3

Log Length (m): 124.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral		GrainSize	Style	%	Comments	
110.93	111.48	1: Pyrite		Fine grained	Scattered grains	0.5		
113.71	114.16	1: Pyrite		Fine grained	Scattered grains	0.5		
119.86	120	1: Pyrite		Fine grained	Scattered grains	0.5		
		2: Hematite		Fine grained	Blebs	0.5		
Veins								
From	To	# Vein Type		Style	%	Core Angle °	Thickness (cm)	Comments
108	111	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			2.8	
		2: Quartz-Fe-carbonate		Stockwork Veins			0.4	
111	114	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			2.3	
		2: Quartz-Fe-carbonate		Stockwork Veins			0.5	
114	117	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			4.1	
		2: Quartz-Fe-carbonate		Stockwork Veins			1.7	
117	120	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			3.4	
		2: Quartz-Fe-carbonate		Stockwork Veins			1.1	
120	123	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"			6.1	
		2: Quartz-Fe-carbonate		Stockwork Veins			2.2	

Downhole Samples
and Assay Results



DataSet: Jellicoe

Hole Length (m): 124.05

Primary Assay Samples: 95 88.79 %

HoleID: M-3

Max Samp Depth (m): 124.05

Field Duplicate Samples: 3 2.8 %

Standard/Blank Samples: 9 8.41 %

Total meters Sampled: 125.38

Total Samples: 107

<i>meters</i>			SampleID	Type	Original SampleID	StandardID	Batch #	Au (g/t)	Comments
From	To	Width							
1.83	3	1.17	178295	CORE			A16-08901	<0.005	
3	4.39	1.39	178296	CORE			A16-08901	0.006	
4.87	6	1.13	178297	CORE			A16-08901	0.014	
6	7.5	1.5	178298	CORE			A16-08901	0.007	
7.5	9	1.5	178299	CORE			A16-08901	0.007	
9	10.5	1.5	178300	CORE			A16-08901	0.008	
		0	178301	STD	CDN_GS_5K		A16-08901	3.68	
10.5	12	1.5	178302	CORE			A16-08901	0.009	
12	13.5	1.5	178303	CORE			A16-08901	0.005	
13.5	15	1.5	178304	CORE			A16-08901	<0.005	
15	16.5	1.5	178305	CORE			A16-08901	0.009	
16.5	18	1.5	178306	CORE			A16-08901	<0.005	
18	19.2	1.2	178307	CORE			A16-08901	0.012	
19.2	20.25	1.05	178308	CORE			A16-08901	<0.005	
20.25	21.39	1.14	178309	CORE			A16-08901	<0.005	
		0	178310	Blank	Blank		A16-08901	<0.005	
21.39	23	1.61	178311	CORE			A16-08901	<0.005	
23	24.6	1.6	178312	CORE			A16-08901	<0.005	
24.6	26.2	1.6	178313	CORE			A16-08901	<0.005	
26.2	26.78	0.58	178314	CORE			A16-08901	0.016	
26.78	28	1.22	178315	CORE			A16-09028	<0.005	
28	29.5	1.5	178316	CORE			A16-09028	<0.005	
29.5	31	1.5	178317	CORE			A16-09028	<0.005	
		0	178318	STD	CDN_GS_5K		A16-09029	3.47	entered incorrectly as a CDN_GS_P4B
31	32.5	1.5	178319	CORE			A16-09029	<0.005	
32.5	34	1.5	178320	CORE			A16-09029	0.009	
34	35.1	1.1	178321	CORE			A16-09029	<0.005	
35.35	36.5	1.15	178322	CORE			A16-09029	<0.005	
36.5	38	1.5	178323	CORE			A16-09029	<0.005	

38	39.5	1.5	178324	CORE		A16-09029	<0.005	
39.5	40.6	1.1	178325	CORE		A16-09029	0.01	
40.6	41.85	1.25	178326	CORE		A16-09029	<0.005	Quarter
		0	178327	DUP	178326	A16-09029	<0.005	
42.79	44	1.21	178328	CORE		A16-09029	<0.005	
44	45.5	1.5	178329	CORE		A16-09029	<0.005	
45.5	47	1.5	178330	CORE		A16-09029	<0.005	
47	48.5	1.5	178331	CORE		A16-09029	<0.005	
48.5	50	1.5	178332	CORE		A16-09029	<0.005	
50	51.5	1.5	178333	CORE		A16-09029	0.006	
51.5	52.6	1.1	178334	CORE		A16-09029	0.039	
52.6	53.4	0.8	178335	CORE		A16-09029	0.09	
		0	178336	STD	CDN_GS_5K	A16-09029	3.55	
54.19	54.6	0.41	178337	CORE		A16-09029	<0.005	
54.6	56	1.4	178338	CORE		A16-09029	<0.005	
56	57.5	1.5	178339	CORE		A16-09029	0.025	
57.5	59	1.5	178340	CORE		A16-09029	0.012	
59	60.5	1.5	178341	CORE		A16-09029	<0.005	
60.5	62	1.5	178342	CORE		A16-09029	0.013	
62	63.5	1.5	178343	CORE		A16-09029	0.12	
		0	178344	Blank	Blank	A16-09029	<0.005	
63.5	65	1.5	178345	CORE		A16-09029	<0.005	
65	66.5	1.5	178346	CORE		A16-09029	<0.005	
66.5	67.8	1.3	178347	CORE		A16-09029	<0.005	
67.8	68.82	1.02	178348	CORE		A16-09029	<0.005	
68.82	69.6	0.78	178349	CORE		A16-09029	0.447	
69.6	70.85	1.25	178350	CORE		A16-09102	<0.005	
70.85	72	1.15	178351	CORE		A16-09102	0.542	
		0	178352	STD	CDN_GS_P4B	A16-09102	0.365	
72	73.2	1.2	178353	CORE		A16-09102	1.38	
73.2	74.5	1.3	178354	CORE		A16-09102	<0.005	
74.5	76	1.5	178355	CORE		A16-09102	<0.005	
76	77.5	1.5	178356	CORE		A16-09102	0.017	
77.5	79	1.5	178357	CORE		A16-09102	0.122	
79	80.5	1.5	178358	CORE		A16-09102	<0.005	
80.5	82	1.5	178359	CORE		A16-09102	0.18	Quarter

		0	178360	DUP	178359	A16-09102	0.23	
82	83.5	1.5	178361	CORE		A16-09214	0.006	
83.5	85	1.5	178362	CORE		A16-09214	<0.005	
85	86	1	178363	CORE		A16-09214	<0.005	
86	86.8	0.8	178364	CORE		A16-09214	0.008	
86.8	88.23	1.43	178365	CORE		A16-09214	<0.005	
88.23	89.5	1.27	178366	CORE		A16-09283	0.014	
89.5	91	1.5	178367	CORE		A16-09283	0.007	
91	92.1	1.1	178368	CORE		A16-09283	0.01	
		0	178369	STD	CDN_GS_5K	A16-09283	3.8	
92.1	93.5	1.4	178370	CORE		A16-09283	0.011	
93.5	95	1.5	178371	CORE		A16-09283	<0.005	
95	96	1	178372	CORE		A16-09283	0.009	
96	97	1	178373	CORE		A16-09283	0.029	
97	98	1	178374	CORE		A16-09283	0.008	
98	99	1	178375	CORE		A16-09283	0.009	
99	100.25	1.25	178376	CORE		A16-09283	0.008	
102.41	103.9	1.49	178377	CORE		A16-09283	0.007	
		0	178378	Blank	Blank	A16-09283	0.005	
103.9	105.36	1.46	178379	CORE		A16-09283	0.005	
105.36	106.6	1.24	178380	CORE		A16-09283	<0.005	
106.6	108	1.4	178381	CORE		A16-09283	<0.005	
108	109.5	1.5	178382	CORE		A16-09283	0.005	
109.5	110.9	1.4	178383	CORE		A16-09283	0.005	
110.9	112.2	1.3	178384	CORE		A16-09283	<0.005	
112.2	113.5	1.3	178385	CORE		A16-09283	<0.005	
		0	178386	STD	CDN_GS_P4B	A16-09283	0.432	
113.5	115	1.5	178387	CORE		A16-09283	<0.005	
115	116.5	1.5	178388	CORE		A16-09283	<0.005	
116.5	117.8	1.3	178389	CORE		A16-09283	<0.005	
117.8	119	1.2	178390	CORE		A16-09283	0.008	
119	120.5	1.5	178391	CORE		A16-09283	0.015	
120.5	122	1.5	178392	CORE		A16-09283	0.006	
122	123	1	178393	CORE		A16-09283	<0.005	
123	124.05	1.05	178394	CORE		A16-09283	0.012	Quarter
		0	178395	DUP	178394	A16-09283	0.008	

41.85	42.79	0.94	BB_527	CORE	1182_GEM	0.343	DMBW
41.85	42.79	0.94	BB_527	CORE	1182_GEM	0.343	DMBW
53.4	54.19	0.79	BB_528	CORE	1182_GEM	0.171	DMBW
53.4	54.19	0.79	BB_528	CORE	1182_GEM	0.171	DMBW
100.25	102.41	2.16	BB_529	CORE	1182_GEM	0	DMBW
100.25	102.41	2.16	BB_529	CORE	1182_GEM	0	DMBW

Au Assay result colour coding Au >1 g/t Au <1 and >0.5 g/t Au <0.5 and >0.1 g/t

Drill Hole Log

Hole ID: M-4

DataSet: Jellicoe

Program: Exploration

Hole Status:	RELOGGED	Hole Length (m):	124.05	Logged By:	N/A
Hole Type:	Surface Drill Hole	Dip (°):	-45	Date Log Started:	N/A
Date Drill Started:	N/A	Azimuth:	162	Date Log Completed:	N/A
Date Drill Completed:	N/A	Survey Instrument	N/A		

Prospect:	Brookbank East	Company:	N/A
Grid ID:	UTM NAD 83 Zone 16N	Drill Contractor:	N/A
UTM East (m)	440,765.7	Survey Instrument:	Trimble RTK
UTM North (m)	5,507,590.1	Date Surveyed:	01/08/2016
Elevation (masl):	334.69	Surveyed By:	S. Ouellet
Tenement ID:	TB29030	Tenement Type:	Lease
		Hole Diameter:	N/A
		Casing Size:	N/A
		Casing Depth (m)	N/A
		Core Storage:	N/A

Purpose: N/A

Comments: Relogged and resampled 2016 by M. Cote. Original source 1182 GEMS

Downhole Data Available

Max Survey Depth (m): 109.73

Max Sample Depth (m): 124.05

Depth Logged To (m) 124.05

Meters Sampled 137.8

Total Samples 120 **# Assay** 109 **# QAQC:** 11

Downhole Survey								
Depth	Dip	Azimuth (True)	Survey Instrument	Survey Method	Survey Company	Date Surveyed	Comments	Survey Accepted
0	-45	162	N/A	1182 GEMS			DMBW	N/A
109.73	-24	162	N/A	1182 GEMS			DMBW	N/A

Geology Summar							
<i>meters</i>							
From	To	Width	% Lith	Code	Rocktype	Texture	GrainSize
4.47	28.36	23.89	E1		Mafic Volcanic	Pillowed	
28.36	34.8	6.44	E1		Mafic Volcanic	Massive	
34.8	50.2	15.4	E1		Mafic Volcanic	Pillowed	
50.2	62.15	11.95	E1		Mafic Volcanic	Pillowed	
62.15	81.57	19.42	E1		Mafic Volcanic	Pillowed	
81.57	97	15.43	E1		Mafic Volcanic	Pillowed	
97	116.19	19.19	E1		Mafic Volcanic	Pillowed	
116.19	119.45	3.26	E1		Mafic Volcanic	Pillowed	
119.45	124.05	4.6	E1		Mafic Volcanic	Pillowed	

DataSet: Jellicoe

Hole Length (m): 124.05

HoleID: M-4

Log Length (m): 124.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
4.47	28.36	23.89		E1	Mafic Volcanic	Pillowed		

Med green;FG;weak foliation; local weak magnetic; pervasive chlorite and local weak carb alt'd groundmass with local epidote-kspar alteration associated with moderately preserved selvages in pillowed metavolcanics. Local carb and mafic filled amygdules. Two ~10cm brecciated&silicified sections; 1% pyrite. @13-14m. 2% qtz- fe crb with up to 0.5% pyrite; sericite-hematite alteration halos) 2-3% barren fracture filling qtz-crb veins and 2% alteration derived epidote-kspar veins.

Minerals							
From	To	# Mineral	GrainSize	Style	%	Comments	
6.9	8.12	1: Pyrite	Fine grained	Scattered grains	0.5		
		VG: No					
13.11	14.28	1: Pyrite	Fine grained	Scattered grains	0.5		
		VG: No					
17.57	19.2	1: Pyrite	Fine grained	Scattered grains	0.5		
		VG: No					
25.2	28.03	1: Pyrite	Fine grained	Scattered grains	0.5		
		VG: No					

Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
6	9	1: Quartz-Fe-carbonate	Stockwork Veins			3.5	
9	12	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			5.2	
		2: Quartz-Fe-carbonate	Stockwork Veins			2.9	
12	15	1: Quartz-Fe-carbonate	Stockwork Veins			5.3	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.1	
15	18	1: Quartz-Fe-carbonate	Stockwork Veins			3.6	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			0.8	
18	21	1: Quartz-Fe-carbonate	Stockwork Veins			4.1	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.1	
21	24	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.5	
		2: Quartz-Fe-carbonate	Stockwork Veins			2.1	

DataSet: Jellicoe

Hole Length (m): 124.05

HoleID: M-4

Log Length (m): 124.05

meters

From	To	Width	% Lith Code	Rocktype	Texture	GrainSize	Logged By
Veins							
From	To	# Vein Type		Style	% Core Angle °	Thickness (cm)	Comments
24	27	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		6.1	
		2: Quartz-Fe-carbonate		Stockwork Veins		2.2	

28.36 34.8 6.44 E1 Mafic Volcanic Massive

Med green;F-MG; weak foliation defined by alignment of more mafic components; non magnetic; moderate pervasive chlorite alteration with local epidote- kspar veinlets in groundmass of massive flow metavolcanics. 1% qtz-crb veins mineralized with trace amounts pyrite and 1% barren fracture filling qtz-crb veins.

From	To	# Vein Type		Style	% Core Angle °	Thickness (cm)	Comments
30	33	1: Quartz-Fe-carbonate		Stockwork Veins		2.3	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		0.3	

34.8 50.2 15.4 E1 Mafic Volcanic Pillowed

Med green;FG;weak foliation; local weak magnetic; mod chlorite and local weak carb alt'df groundmass with epidote and kspar alteration related to preserved selvages in pillowed metavolcanics. Two well mineralized areas @41.8m(12cm silicified qtz-crb veins w/ 2-3% pyrite stringers; vuggy margins)& @47.5m (14cm silicified; ser& hem altered; brecciated qtz- fe crb vein with 1-2% pyrite) minor qtz-fe crb veins with trace pyrite. 2-3% fracture filling qtz-crb veins and epidote-kspar veins associated with selvages.

From	To	# Mineral	GrainSize	Style	%	Comments
38.78	38.95	1: Pyrite	Fine grained	Scattered grains	0.3	
		VG: No				
41.9	42.13	1: Pyrite	Fine grained	Stringers	1	
		VG: No				
46.2	47.68	1: Pyrite	Fine grained	Scattered grains	0.5	
		VG: No				

From	To	Code	Structure Type	Comments
35	46	FOL	Foliation	Weak-moderate foliation defined by alignment of mafic and carb filled amygdules in metavolcanics

From	To	# Vein Type		Style	% Core Angle °	Thickness (cm)	Comments
Veins							

DataSet: Jellicoe

Hole Length (m): 124.05

HoleID: M-4

Log Length (m): 124.05

meters

From	To	Width	% Lith Code	Rocktype	Texture	GrainSize	Logged By
From	To	# Vein Type		Style	% Core Angle °	Thickness (cm)	Comments
36	39	1: Quartz-Fe-carbonate		Stockwork Veins		2.5	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		1.7	
39	42	1: Quartz-Fe-carbonate		Stockwork Veins		1.8	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		2.3	
42	45	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		8.4	
		2: Quartz-Fe-carbonate		Stockwork Veins		2.1	
45	48	1: Quartz-Fe-Carbonate / K-Feldspar-epidote		Vein > 3"		4.3	
		2: Quartz-Fe-carbonate		Stockwork Veins		1.8	

50.2 62.15 11.95 E1 Mafic Volcanic Pillowed

Med green;FG;generally massive to weak foliation; moderate magnetic throughout. Pervasive moderate chlorite alteration with local epidote and kspar alteration related to very sparse and weakly preserved selvages in pillowed to massive flow metavolcanics. 2-3% thin qtz-fe crb veins mineralized with up to 0.5% pyrite; hematite-sericite alteration halos) 2-3% fracture filling qtz-crb veins.

Alteration

From	To	# Alteration	Intesity	Style	Comments
57	60	1: Hematite	Moderate (26-50%)	Patches	Aerea of increased qtz- fe crb veining with hematite and sericite alteration halos and moderate silicification throughout.
		2: Sericite	Moderate (26-50%)	Patches	
		3: Silicified	Moderate (26-50%)	Pervasive	
58.8	59.95	1: BB Alteration	-	-	

Minerals

From	To	# Mineral	GrainSize	Style	%	Comments
51.81	57.06	1: Pyrite	Fine grained	Scattered grains	0.5	
		VG: No				
		2: Chalcopyrite	Fine grained	Blebs	0.3	
57.45	58.8	1: BB NC	-	-	-	DMBW
		VG: No				
58.8	59.95	1: BB NC	-	-	-	DMBW
		VG: No				

Veins

From	To	# Vein Type	Style	% Core Angle °	Thickness (cm)	Comments
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DataSet: Jellicoe

Hole Length (m): 124.05

HoleID: M-4

Log Length (m): 124.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
51	54	1: Quartz-Fe-Carbonate / K-Feldspar-epidote			Vein > 3"		1.4	
		2: Quartz-Fe-carbonate			Stockwork Veins		0.9	
54	57	1: Quartz-Fe-carbonate			Stockwork Veins		2.7	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote			Vein > 3"		1.8	

62.15 81.57 19.42 E1 Mafic Volcanic Pillowed

Med green w/ local dark grey green;FG;weak foliation; variable magnetics; stronger where darker in colour;local carb and mafic infilled amygdules; moderate chlorite altered with local epidote and kspar related to preserved selvages in pillowed metavolcanics. 2-3% qtz-fe crb veins that are generally vuggy and mineralized with up to 1% pyrite. hematite-sericite alteration associated with veins. 3-4% epidote-kspar veins and fracture filling qtz-crb veins.

Minerals

From	To	# Mineral	GrainSize	Style	%	Comments
64.4	72.91	1: Pyrite	Fine grained	Scattered grains	0.3	
		VG: No				
73.97	81.27	1: Pyrite	Fine grained	Scattered grains	0.5	
		VG: No				

Veins

From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
63	66	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			13.6	
		2: Quartz-Fe-carbonate	Stockwork Veins			1.4	
66	69	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			5.8	
		2: Quartz-Fe-carbonate	Stockwork Veins			2.2	
69	72	1: Quartz-Fe-carbonate	Stockwork Veins			2.1	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.3	
72	75	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.2	
		2: Quartz-Fe-carbonate	Stockwork Veins			1.2	
75	78	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.6	
		2: Quartz-Fe-carbonate	Stockwork Veins			1.1	

DataSet: Jellicoe

Hole Length (m): 124.05

HoleID: M-4

Log Length (m): 124.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Veins								
From	To	# Vein Type			Style	%	Core Angle °	Thickness (cm) Comments
78	81	1: Quartz-Fe-Carbonate / K-Feldspar-epidote			Vein > 3"			2.5
		2: Quartz-Fe-carbonate			Stockwork Veins			1.7

81.57 97 15.43 E1 Mafic Volcanic Pillowed

Med-dark grey-green;FG;weak foliation; moderate magnetic; moderate pervasive chlorite and local mod carb alt'd groundmass with local weak epidote alteration associated to weakly preserved selvages in pillowed metavolcanics. 10% qtz- fe crb veins that are generally vuggy and mineralized with up to 2% pyrite; hematite-sericite alteration associated. 2-3% thin fracture filling qtz-crb veins.

Minerals						
From	To	# Mineral	GrainSize	Style	%	Comments
81.63	96.81	1: Pyrite	Fine grained	Scattered grains	1	
		VG: No				
89.61	90.53	1: BB NC	-	-	-	DMBW
		VG: No				

Veins								
From	To	# Vein Type			Style	%	Core Angle °	Thickness (cm) Comments
84	87	1: Quartz-Fe-Carbonate / K-Feldspar-epidote			Vein > 3"			3.1
		2: Quartz-Fe-carbonate			Stockwork Veins			1.3
87	90	1: Quartz-Fe-carbonate			Stockwork Veins			1.1
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote			Vein > 3"			0.9
90	93	1: Quartz-Fe-carbonate			Stockwork Veins			1.8
93	96	1: Quartz-Fe-carbonate			Stockwork Veins			1.6

97 116.19 19.19 E1 Mafic Volcanic

Shear zone. med-light beige grading to grey with beige-orange; Strongly foliated; mod-strong sericite-chlorite alt'd schistose host that grades into a more brecciated material with depth. Where brecciation occurs; veining increases and hematite-sericite alteration becomes dominant (related to qtz-fe crb veining) Veining increases around 106m where 10% qtz-crb and fe-crb veining is present and mineralized with up to 2% pyrite. Hematite veinlets throughout veined section; seen in veins and crosscutting foliated groundmass. 2-3% fracture filling qtz-crb veins.

Alteration					
From	To	# Alteration	Intesity	Style	Comments

DataSet: Jellicoe

Hole Length (m): 124.05

HoleID: M-4

Log Length (m): 124.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Alteration								
From	To	#	Alteration	Intensity	Style	Comments		
99	105	1:	Sericite	Strong (51-75%)	Pervasive	Pervasive sericite and chlorite altered shear zone with local silicification where brecciated		
		2:	Chlorite	Moderate (26-50%)	Pervasive			
		3:	Silicified	Moderate (26-50%)	Localized			
105.61	116.19	1:	BB Alteration	-	-			
106	116	1:	Hematite	Moderate (26-50%)	Localized	Sericite and hematite alteration associated with heavily veined and brecciated interval. Variable silicification throughout		
		2:	Sericite	Moderate (26-50%)	Localized			
		3:	Silicified	Moderate (26-50%)	Localized			
Minerals								
From	To	#	Mineral	GrainSize	Style	%	Comments	
98.39	100.28	1:	BB NC	-	-	-	DMBW	
			VG: No					
98.4	116.19	1:	Pyrite	Fine grained	Scattered grains	2		
			VG: No					
100.28	101.8	1:	BB NC	-	-	-	DMBW	
			VG: No					
101.8	103.17	1:	BB NC	-	-	-	DMBW	
			VG: No					
103.17	104.7	1:	BB NC	-	-	-	DMBW	
			VG: No					
104.7	105.61	1:	BB NC	-	-	-	DMBW	
			VG: No					
105.61	107.5	1:	BB NC	-	-	-	DMBW	
			VG: No					
107.5	108.91	1:	BB NC	-	-	-	DMBW	
			VG: No					
108.91	110.31	1:	BB NC	-	-	-	DMBW	
			VG: No					
110.31	111.68	1:	BB NC	-	-	-	DMBW	
			VG: No					

DataSet: Jellicoe

Hole Length (m): 124.05

HoleID: M-4

Log Length (m): 124.05

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
111.68	113.17	1: BB NC	-	-	-	DMBW	VG: No	
113.17	114.67	1: BB NC	-	-	-	DMBW	VG: No	
114.67	116.19	1: BB NC	-	-	-	DMBW	VG: No	

116.19 119.45 3.26 E1 Mafic Volcanic

Lower boundary of shear; chlorite and carb altered and strongly foliated; med green in colour with speckled texture from presence of platy white mineral aligned with foliation; local weak magnetic; sheared metavolcanic. 7-8% qtz-crb and fe-crb veining throughout with no significant sulphide mineralization.

119.45 124.05 4.6 E1 Mafic Volcanic Pillowed

Med green;FG;weak foliation; weak magnetic; pervasive mod chlorite and local carb altered with minor epidote occurring where selvages are moderately preserved in pillowed metavolcanics. 2-3% qtz- fe crb veins that show local vuggy and brecciated textures; sericite-hematite alteration halos and mineralized with up to 1% FG pyrite. 1-2% thin fracture filling qtz-crb veins.

Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
120.8	121.8	1: Pyrite	Fine grained	Scattered grains	0.5		VG: No	

Veins								
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments	
120	123	1: Quartz-Fe-Carbonate	Stockwork Veins			3.3		

Downhole Samples
and Assay Results



DataSet: Jellicoe

Hole Length (m): 124.05

Primary Assay Samples: 109 90.83 %

HoleID: M-4

Max Samp Depth (m): 124.05

Field Duplicate Samples: 3 2.5 %

Standard/Blank Samples: 8 6.67 %

Total meters Sampled: 137.8

Total Samples: 120

<i>meters</i>			SampleID	Type	Original SampleID	StandardID	Batch #	Au (g/t)	Comments
From	To	Width							
4.47	6	1.53	178121	CORE			A16-08848	0.078	
6	7.5	1.5	178122	CORE			A16-08848	0.02	Quarter
		0	178123	DUP	178122		A16-08848	0.019	
7.5	9	1.5	178124	CORE			A16-08848	<0.005	
9	10.5	1.5	178125	CORE			A16-08848	<0.005	
10.5	12	1.5	178126	CORE			A16-08848	<0.005	
12	13.3	1.3	178127	CORE			A16-08848	<0.005	
13.3	14.02	0.72	178128	CORE			A16-08848	0.992	
14.02	15.5	1.48	178129	CORE			A16-08848	<0.005	
15.5	17	1.5	178130	CORE			A16-08849	<0.005	
17	18	1	178131	CORE			A16-08849	0.279	
		0	178132	STD		CDN_GS_5K	A16-08849	3.74	
18	19.5	1.5	178133	CORE			A16-08849	0.18	
19.5	21	1.5	178134	CORE			A16-08849	<0.005	
21	22.5	1.5	178135	CORE			A16-08849	<0.005	
22.5	24	1.5	178136	CORE			A16-08849	<0.005	
24	25.5	1.5	178137	CORE			A16-08849	<0.005	
25.5	26.65	1.15	178138	CORE			A16-08849	<0.005	
26.65	27.4	0.75	178139	CORE			A16-08849	<0.005	
		0	178140	Blank		Blank	A16-08849	<0.005	
27.4	28.36	0.96	178141	CORE			A16-08849	0.153	
28.36	29.4	1.04	178142	CORE			A16-08849	<0.005	
29.4	30.45	1.05	178143	CORE			A16-08849	<0.005	
30.75	32	1.25	178144	CORE			A16-08849	<0.005	
32	33.03	1.03	178145	CORE			A16-08849	<0.005	
33.5	34.8	1.3	178146	CORE			A16-08849	0.019	
34.97	36.22	1.25	178147	CORE			A16-08849	<0.005	
		0	178148	STD		CDN_GS_P4B	A16-08849	0.363	
36.5	38	1.5	178149	CORE			A16-08849	<0.005	

38	39.4	1.4	178150	CORE		A16-08849	<0.005
39.5	40.75	1.25	178151	CORE		A16-08849	<0.005
40.75	41.8	1.05	178152	CORE		A16-08849	<0.005
41.8	42.4	0.6	178153	CORE		A16-08849	0.452
42.4	43.7	1.3	178154	CORE		A16-08849	<0.005
43.7	45	1.3	178155	CORE		A16-08849	<0.005
45	46.5	1.5	178156	CORE		A16-08849	<0.005 Quarter
		0	178157	DUP	178156	A16-08849	<0.005
46.5	47.35	0.85	178158	CORE		A16-08849	<0.005
47.35	48	0.65	178159	CORE		A16-08849	<0.005
48	49	1	178160	CORE		A16-08849	<0.005
49	50.2	1.2	178161	CORE		A16-08849	0.009
50.2	51.5	1.3	178162	CORE		A16-08849	<0.005
51.5	52.5	1	178163	CORE		A16-08849	<0.005
52.5	53.52	1.02	178164	CORE		A16-08904	<0.005
53.52	54.8	1.28	178165	CORE		A16-08904	<0.005
		0	178166	STD	CDN_GS_5K	A16-08904	3.38
54.8	55.7	0.9	178167	CORE		A16-08904	<0.005
55.7	56.6	0.9	178168	CORE		A16-08904	0.005
56.6	57.45	0.85	178169	CORE		A16-08904	<0.005
59.95	61	1.05	178170	CORE		A16-08904	0.027
61	62.15	1.15	178171	CORE		A16-08904	<0.005
62.15	63.5	1.35	178172	CORE		A16-08904	0.008
63.5	65	1.5	178173	CORE		A16-08904	<0.005
		0	178174	Blank	Blank	A16-08904	<0.005
65	66.5	1.5	178175	CORE		A16-08904	0.005
66.5	67.6	1.1	178176	CORE		A16-08904	<0.005
67.6	68.88	1.28	178177	CORE		A16-08904	<0.005
68.88	70.3	1.42	178178	CORE		A16-08904	<0.005
70.3	71.8	1.5	178179	CORE		A16-08904	<0.005
71.8	73.2	1.4	178180	CORE		A16-08904	<0.005
73.2	74.7	1.5	178181	CORE		A16-08904	<0.005
		0	178182	STD	CDN_GS_P4B	A16-08904	0.32
74.7	76.2	1.5	178183	CORE		A16-08904	<0.005
76.2	77.2	1	178184	CORE		A16-08904	<0.005
77.2	78.3	1.1	178185	CORE		A16-08904	<0.005

78.3	79.1	0.8	178186	CORE		A16-08904	<0.005	
79.1	80.3	1.2	178187	CORE		A16-08904	<0.005	
80.3	81.57	1.27	178188	CORE		A16-08904	<0.005	
81.57	82.89	1.32	178189	CORE		A16-08904	<0.005	Quarter
		0	178190	DUP	178189	A16-08904	<0.005	
82.89	84.4	1.51	178191	CORE		A16-08904	<0.005	
84.4	85.53	1.13	178192	CORE		A16-08904	<0.005	
85.53	86.5	0.97	178193	CORE		A16-08904	<0.005	
87.17	88.2	1.03	178194	CORE		A16-08904	<0.005	
88.2	89.61	1.41	178195	CORE		A16-08904	0.019	
90.53	91.7	1.17	178196	CORE		A16-08904	<0.005	
92.35	93.6	1.25	178197	CORE		A16-08904	<0.005	
93.6	95	1.4	178198	CORE		A16-08903	<0.005	
95	96	1	178199	CORE		A16-08903	<0.005	
		0	178200	STD	CDN_GS_5K	A16-08903	3.07	
96	97	1	178201	CORE		A16-08903	<0.005	
97	98.39	1.39	178202	CORE		A16-08903	<0.005	
116.19	117.5	1.31	178203	CORE		A16-08903	<0.005	
117.5	118.5	1	178204	CORE		A16-08903	<0.005	
118.5	119.45	0.95	178205	CORE		A16-08903	<0.005	
119.45	120.8	1.35	178206	CORE		A16-08903	0.005	
120.8	122.3	1.5	178207	CORE		A16-08903	<0.005	
		0	178208	Blank	Blank	A16-08903	<0.005	
122.3	123.14	0.84	178209	CORE		A16-08903	<0.005	
123.5	124.05	0.55	178210	CORE		A16-08903	<0.005	
57.45	58.8	1.35	BB_501	CORE		1182_GEM	1.029	DMBW
57.45	58.8	1.35	BB_501	CORE		1182_GEM	1.029	DMBW
58.8	59.95	1.15	BB_502	CORE		1182_GEM	2.743	DMBW
58.8	59.95	1.15	BB_502	CORE		1182_GEM	2.743	DMBW
89.61	90.53	0.92	BB_503	CORE		1182_GEM	0.343	DMBW
89.61	90.53	0.92	BB_503	CORE		1182_GEM	0.343	DMBW
98.39	100.28	1.89	BB_504	CORE		1182_GEM	0.069	DMBW
98.39	100.28	1.89	BB_504	CORE		1182_GEM	0.069	DMBW
100.28	101.8	1.52	BB_505	CORE		1182_GEM	0.069	DMBW
100.28	101.8	1.52	BB_505	CORE		1182_GEM	0.069	DMBW
101.8	103.17	1.37	BB_506	CORE		1182_GEM	0.069	DMBW

101.8	103.17	1.37	BB_506	CORE	1182_GEM	0.069	DMBW
103.17	104.7	1.53	BB_507	CORE	1182_GEM	0.171	DMBW
103.17	104.7	1.53	BB_507	CORE	1182_GEM	0.171	DMBW
104.7	105.61	0.91	BB_508	CORE	1182_GEM	0.069	DMBW
104.7	105.61	0.91	BB_508	CORE	1182_GEM	0.069	DMBW
105.61	107.5	1.89	BB_509	CORE	1182_GEM	0.069	DMBW
105.61	107.5	1.89	BB_509	CORE	1182_GEM	0.069	DMBW
107.5	108.91	1.41	BB_510	CORE	1182_GEM	0.069	DMBW
107.5	108.91	1.41	BB_510	CORE	1182_GEM	0.069	DMBW
108.91	110.31	1.4	BB_511	CORE	1182_GEM	0.069	DMBW
108.91	110.31	1.4	BB_511	CORE	1182_GEM	0.069	DMBW
110.31	111.68	1.37	BB_512	CORE	1182_GEM	0.069	DMBW
110.31	111.68	1.37	BB_512	CORE	1182_GEM	0.069	DMBW
111.68	113.17	1.49	BB_513	CORE	1182_GEM	0.069	DMBW
111.68	113.17	1.49	BB_513	CORE	1182_GEM	0.069	DMBW
113.17	114.67	1.5	BB_514	CORE	1182_GEM	0.069	DMBW
113.17	114.67	1.5	BB_514	CORE	1182_GEM	0.069	DMBW
114.67	116.19	1.52	BB_515	CORE	1182_GEM	0.069	DMBW
114.67	116.19	1.52	BB_515	CORE	1182_GEM	0.069	DMBW

Au Assay result colour coding Au >1 g/t Au <1 and >0.5 g/t Au <0.5 and >0.1 g/t

Drill Hole Log

Hole ID: M-5

DataSet: Jellicoe

Program: Exploration

Hole Status:	RELOGGED	Hole Length (m):	65.84	Logged By:	N/A
Hole Type:	Surface Drill Hole	Dip (°):	-45	Date Log Started:	N/A
Date Drill Started:	N/A	Azimuth:	180	Date Log Completed:	N/A
Date Drill Completed:	N/A	Survey Instrument	N/A		

Prospect:	Brookbank East	Company:	N/A
Grid ID:	UTM NAD 83 Zone 16N	Drill Contractor:	N/A
UTM East (m)	440,911.4	Survey Instrument:	N/A
UTM North (m)	5,507,608.1	Date Surveyed:	N/A
Elevation (masl):	331	Surveyed By:	N/A
Tenement ID:	TB29029	Tenement Type:	Lease
		Hole Diameter:	N/A
		Casing Size:	N/A
		Casing Depth (m)	N/A
		Core Storage:	N/A

Purpose: N/A

Comments: Relogged and resampled 2016 by M. Cote. Original source 1182 GEMS

Downhole Data Available

Max Survey Depth (m): 56.08

Max Sample Depth (m): 65.84

Depth Logged To (m) 65.84

Meters Sampled 57.06

Total Samples 43 **# Assay** 41 **# QAQC:** 2

Downhole Survey								
Depth	Dip	Azimuth (True)	Survey Instrument	Survey Method	Survey Company	Date Surveyed	Comments	Survey Accepted
0	-45	180	N/A	1182 GEMS			DMBW	N/A
56.08	-42	180	N/A	1182 GEMS			DMBW	N/A

Geology Summar							
<i>meters</i>							
From	To	Width	% Lith	Code	Rocktype	Texture	GrainSize
24.2	25.25	1.05		E1	Mafic Volcanic		
25.25	48.13	22.88		E1	Mafic Volcanic	Pillowed	
48.13	63.55	15.42		E1	Mafic Volcanic		
63.55	65.84	2.29		E1	Mafic Volcanic	Pillowed	

DataSet: Jellicoe

Hole Length (m): 65.84

HoleID: M-5

Log Length (m): 65.84

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
24.2	25.25	1.05		E1	Mafic Volcanic			

Fault gouge material; med-light greenish colour; FG; strong foliation; very fissile/schistose; strong chlorite-sericite And moderate carbonate alteration; non magnetic. 5% qtz-crb veins with one silicified section of 10cm@ 24.5. 0.5% PY in silicified section; hard to see any mineralization in rest of interval due to gouge material.

Alteration

From	To	# Alteration	Intensity	Style	Comments
24.2	25.25	1: Sericite	Strong (51-75%)	Pervasive	Strong sericite and chlorite and weak carb altered fault gouge material. Alteration looks amplified due to gouge texture
		2: Chlorite	Strong (51-75%)	Pervasive	
		3: Fe-Carbonate	Weak (1-25%)	Pervasive	

Structures

From	To	Code	Structure Type	Comments
24.2	25.25	FLT5	Fault - gouge	Fissile; soft; fault gouge material to start the hole

25.25 48.13 22.88 E1 Mafic Volcanic Pillowed

Med green; FG; weak-moderate foliation; local weak magnetic; minor local carb filled amygdules; pervasive mod chlorite alteration with local patches of weak carbonate alteration and very weak and sparse epidote related to weakly preserved selvages in pillowed metavolcanics. 1-2% qtz-crb veins with up to 0.5% pyrite and weak hematite alteration; 3-4% fracture filling qtz crb veins.

Minerals

From	To	# Mineral	GrainSize	Style	%	Comments
27	27.45	1: Pyrite	Fine grained	Scattered grains	0.5	VG: No
28.45	28.89	1: Pyrite	Fine grained	Scattered grains	0.5	VG: No
37.68	38.12	1: Pyrite	Fine grained	Scattered grains	0.5	VG: No
		2: Hematite	Fine grained	Blebs	0.5	
39.23	39.46	1: Pyrite	Fine grained	Scattered grains	0.5	VG: No
43.72	43.92	1: Pyrite	Fine grained	Scattered grains	2	VG: No
44.5	44.93	1: Pyrite	Fine grained	Scattered grains	0.5	VG: No
46.25	48.13	1: Pyrite	Fine grained	Scattered grains	0.5	VG: No

Veins

DataSet: Jellicoe

Hole Length (m): 65.84

HoleID: M-5

Log Length (m): 65.84

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
From	To	# Vein Type			Style	% Core Angle °	Thickness (cm)	Comments
27	30	1: Quartz-Fe-Carbonate			Stockwork Veins		3.4	
30	33	1: Quartz-Fe-Carbonate			Stockwork Veins		3.8	
33	36	1: Quartz-Fe-Carbonate			Stockwork Veins		7.1	
36	39	1: Quartz-Fe-Carbonate			Stockwork Veins		5.8	
39	42	1: Quartz-Fe-Carbonate			Stockwork Veins		6.8	
42	45	1: Quartz-Fe-Carbonate			Stockwork Veins		3.9	
45	48	1: Quartz-Fe-Carbonate			Stockwork Veins		5.2	

48.13 63.55 15.42 E1 Mafic Volcanic

Shear zone. Med green-grey with pink hue fading to beige-pink; FG; strong foliation with local mylonitic textures; non magnetic; moderate sericite and hematite alteration with local silicification associated with some brecciated Qtz-Fe-Crb veins towards lower contact. Entire interval is mineralized with pyrite; showing concentration towards increased veining (up to 2% pyrite) thin hematite veinlets along some vein margins and parallel to foliation in groundmass. ~15-20% Qtz-Fe-Crb veins with mineralization as stated.

Alteration

From	To	# Alteration	Intensity	Style	Comments
48.13	50.14	1: BB Alteration	-	-	
50	63.55	1: Sericite 2: Hematite 3: Silicified	Strong (51-75%) Moderate (26-50%) Weak (1-25%)	Patches Patches Patches	Patchy/variable degrees of sericite and hematite alteration with local silicification affecting some veins. All in shear zone
50.14	63.55	1: BB Alteration	-	-	

Minerals

From	To	# Mineral	GrainSize	Style	%	Comments
48.13	50.14	1: BB NC	-	-	-	DMBW
		VG: No				
48.13	63.55	1: Pyrite	Fine grained	Scattered grains	2	
		VG: No				
50.14	51.63	1: BB NC	-	-	-	DMBW
		VG: No				
51.63	53.1	1: BB NC	-	-	-	DMBW
		VG: No				

DataSet: Jellicoe

Hole Length (m): 65.84

HoleID: M-5

Log Length (m): 65.84

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
53.1	54.56	1: BB NC	-	-	-	DMBW		
		VG: No						
54.56	56.08	1: BB NC	-	-	-	DMBW		
		VG: No						
56.08	57.55	1: BB NC	-	-	-	DMBW		
		VG: No						
57.55	58.52	1: BB NC	-	-	-	DMBW		
		VG: No						
58.52	59.98	1: BB NC	-	-	-	DMBW		
		VG: No						
59.98	61.42	1: BB NC	-	-	-	DMBW		
		VG: No						
61.42	62.79	1: BB NC	-	-	-	DMBW		
		VG: No						
62.79	63.55	1: BB NC	-	-	-	DMBW		
		VG: No						

Structures

From	To	Code	Structure Type	Comments
48.13	63.55	SHD	Shear / mylonitic foliation	Shear zone. Local mylonitic style textures and variable alteration throughout

63.55 65.84 2.29 E1 Mafic Volcanic Pillowed

Med green;FG;weak-moderate foliation; weakly magnetic; pervasive moderate chlorite and weak carbonate alteration; metavolcanics with slight evidence of pillow selvages (likely pillowed but not well represented with only 2.29m interval)three vuggy qtz- fe crb veins mineralized with up to 0.5% pyrite and exhibiting hematite alteration. 2-3% fracture filling qtz-crb veins

Minerals

From	To	# Mineral	GrainSize	Style	%	Comments
64.21	65.02	1: Pyrite	Fine grained	Scattered grains	0.5	
		VG: No				
64.21	65.02	1: Pyrite	Fine grained	Scattered grains	0.5	
		VG: No				

Downhole Samples
and Assay Results



DataSet: Jellicoe

Hole Length (m): 65.84

Primary Assay Samples: 41 95.35 %

HoleID: M-5

Max Samp Depth (m): 65.84

Field Duplicate Samples: 1 2.33 %

Standard/Blank Samples: 1 2.33 %

Total meters Sampled: 57.06

Total Samples: 43

<i>meters</i>			SampleID	Type	Original SampleID	StandardID	Batch #	Au (g/t)	Comments
From	To	Width							
24.2	25.25	1.05	178211	CORE			A16-09028	0.023	
25.25	26.5	1.25	178212	CORE			A16-09028	<0.005	
26.5	28	1.5	178213	CORE			A16-09028	<0.005	
28	29.5	1.5	178214	CORE			A16-09028	<0.005	
29.5	31	1.5	178215	CORE			A16-09028	<0.005	
		0	178216	STD		CDN_GS_P4B	A16-09028	0.43	
31	32.5	1.5	178217	CORE			A16-09028	<0.005	
32.5	34	1.5	178218	CORE			A16-09028	<0.005	
34	35.5	1.5	178219	CORE			A16-09028	<0.005	
35.5	37	1.5	178220	CORE			A16-09028	<0.005	
37	38.5	1.5	178221	CORE			A16-09028	<0.005	
38.5	40	1.5	178222	CORE			A16-09028	<0.005	
40	41.5	1.5	178223	CORE			A16-09028	<0.005	
41.5	43	1.5	178224	CORE			A16-09028	<0.005	Quarter
		0	178225	DUP	178224		A16-09028	<0.005	
43	44.5	1.5	178226	CORE			A16-09028	0.055	
44.5	45.5	1	178227	CORE			A16-09028	0.008	
45.5	46.7	1.2	178228	CORE			A16-09028	0.042	
46.7	48.13	1.43	178229	CORE			A16-09028	0.09	
63.55	64.6	1.05	178230	CORE			A16-09028	0.011	
64.6	65.84	1.24	178231	CORE			A16-09028	<0.005	
48.13	50.14	2.01	BB_516	CORE			1182_GEM	0	DMBW
48.13	50.14	2.01	BB_516	CORE			1182_GEM	0	DMBW
50.14	51.63	1.49	BB_517	CORE			1182_GEM	0.171	DMBW
50.14	51.63	1.49	BB_517	CORE			1182_GEM	0.171	DMBW
51.63	53.1	1.47	BB_518	CORE			1182_GEM	0.069	DMBW
51.63	53.1	1.47	BB_518	CORE			1182_GEM	0.069	DMBW
53.1	54.56	1.46	BB_519	CORE			1182_GEM	0.069	DMBW
53.1	54.56	1.46	BB_519	CORE			1182_GEM	0.069	DMBW

54.56	56.08	1.52	BB_520	CORE	1182_GEM	0.069	DMBW
54.56	56.08	1.52	BB_520	CORE	1182_GEM	0.069	DMBW
56.08	57.55	1.47	BB_521	CORE	1182_GEM	0.069	DMBW
56.08	57.55	1.47	BB_521	CORE	1182_GEM	0.069	DMBW
57.55	58.52	0.97	BB_522	CORE	1182_GEM	0	DMBW
57.55	58.52	0.97	BB_522	CORE	1182_GEM	0	DMBW
58.52	59.98	1.46	BB_523	CORE	1182_GEM	0	DMBW
58.52	59.98	1.46	BB_523	CORE	1182_GEM	0	DMBW
59.98	61.42	1.44	BB_524	CORE	1182_GEM	0.171	DMBW
59.98	61.42	1.44	BB_524	CORE	1182_GEM	0.171	DMBW
61.42	62.79	1.37	BB_525	CORE	1182_GEM	0.343	DMBW
61.42	62.79	1.37	BB_525	CORE	1182_GEM	0.343	DMBW
62.79	63.55	0.76	BB_526	CORE	1182_GEM	0.171	DMBW
62.79	63.55	0.76	BB_526	CORE	1182_GEM	0.171	DMBW

Au Assay result colour coding Au >1 g/t Au <1 and >0.5 g/t Au <0.5 and >0.1 g/t

Drill Hole Log

Hole ID: M-6

DataSet: Jellicoe

Program: Exploration

Hole Status:	RELOGGED	Hole Length (m):	129.7	Logged By:	N/A
Hole Type:	Surface Drill Hole	Dip (°):	-45	Date Log Started:	N/A
Date Drill Started:	N/A	Azimuth:	162	Date Log Completed:	N/A
Date Drill Completed:	N/A	Survey Instrument	N/A		

Prospect:	Brookbank East	Company:	N/A
Grid ID:	UTM NAD 83 Zone 16N	Drill Contractor:	N/A
UTM East (m)	440,822.9	Hole Diameter:	N/A
UTM North (m)	5,507,601.1	Casing Size:	N/A
Elevation (masl):	330	Casing Depth (m)	N/A
Tenement ID:	TB29030	Core Storage:	N/A
Survey Instrument:	N/A		
Date Surveyed:	N/A		
Surveyed By:	N/A		
Tenement Type:	Lease		

Purpose: N/A

Comments: Relogged and resampled 2016 by M. Cote. Original source 1182 GEMS

Downhole Data Available

Max Survey Depth (m): 123.75

Max Sample Depth (m): 129.7

Depth Logged To (m) 129.7

Meters Sampled 130.21

Total Samples 107 # Assay 97 # QAQC: 10

Downhole Survey								
Depth	Dip	Azimuth (True)	Survey Instrument	Survey Method	Survey Company	Date Surveyed	Comments	Survey Accepted
0	-45	162	N/A	1182 GEMS			DMBW	N/A
62.18	-42	162	N/A	1182 GEMS			DMBW	N/A
123.75	-34	162	N/A	1182 GEMS			DMBW	N/A

Geology Summar							
<i>meters</i>							
From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize
10.97	33.12	22.15		E1	Mafic Volcanic	Pillowed	
33.12	58.32	25.2		E1	Mafic Volcanic	Pillowed	
58.32	78.64	20.32		E1	Mafic Volcanic	Pillowed	
78.64	97.99	19.35		E1	Mafic Volcanic	Pillowed	
97.99	120.1	22.11		E1	Mafic Volcanic	Pillowed	
120.1	129.7	9.6		E1	Mafic Volcanic	Pillowed	

DataSet: Jellicoe

Hole Length (m): 129.7

HoleID: M-6

Log Length (m): 129.7

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
10.97	33.12	22.15		E1	Mafic Volcanic	Pillowed		

Med green;FG;local weak-moderate foliation; weakly magnetic; local clusters of mafic and carb infilled amygdules; pervasive moderate chlorite and local moderate epidote alteration associatedf with moderately preserved selvages in pillowed metavolcanics. 2% mineralized qtz- fe crb veins with up to 1% pyrite and exhibiting minor sericite-hematite alteration halos and local vuggy textures. 2-3% fracture filing qtz-crb veins and minor epidote-kspar veinlets.

Alteration

From	To	# Alteration	Intesity	Style	Comments
18.29	20.57	1: BB Alteration	-	-	
18.3	20.2	1: Silicified	Weak (1-25%)	Pervasive	Slightly silicified section that is well veined and mineralized

Minerals

From	To	# Mineral	GrainSize	Style	%	Comments
12.06	12.18	1: Pyrite	Fine grained	Scattered grains	0.5	
		VG: No				
13	13.62	1: Pyrite	Fine grained	Scattered grains	1	
		VG: No				
18.29	19.05	1: BB NC	-	-	-	DMBW
		VG: No				
18.29	20.71	1: Pyrite	Fine grained	Scattered grains	2	
		VG: No				
19.05	20.42	1: BB NC	-	-	-	DMBW
		VG: No				
26.64	26.83	1: Pyrite	Fine grained	Scattered grains	0.5	
		VG: No				
27.4	27.58	1: Pyrite	Fine grained	Scattered grains	0.5	
		VG: No				

Structures

From	To	Code	Structure Type	Comments
21	26.5	FOL	Foliation	Local moderate to strong foliation in pillowed metavolcanics.

Veins

From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
12	15	1: Quartz-Fe-carbonate	Stockwork Veins			5.4	
		2: Quartz-Fe-Carbonate / K-	Vein > 3"			0.4	

DataSet: Jellicoe

Hole Length (m): 129.7

HoleID: M-6

Log Length (m): 129.7

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
			Feldspar-epidote					
15	18	1:	Quartz-Fe-carbonate	Stockwork Veins			2.3	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			0.3	
18	21	1:	Quartz-Fe-carbonate	Stockwork Veins			4.2	
21	24	1:	Quartz-Fe-carbonate	Stockwork Veins			3.9	
24	27	1:	Quartz-Fe-carbonate	Stockwork Veins			2.2	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.1	
27	30	1:	Quartz-Fe-carbonate	Stockwork Veins			2.4	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.2	
30	33	1:	Quartz-Fe-carbonate	Stockwork Veins			2.9	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1	

33.12 58.32 25.2 E1 Mafic Volcanic Pillowed

Med grey-green;FG;weak foliation to locally massive; moderately magnetic; minor local mafic and crb infilled amygdules; pervasive weak-mod chlorite and patchy magnetite alteration in more grey sections and patchy moderate epidote alteration associated with moderately preserved selvages in pillowed metavolcanics.2-3% mineralized qtz- fe crb veins with up to 2% pyrite; exhibiting minor hematite-sericite alteration halos and local vuggy textures. Magnetite alteration appears to be stronger near these veins. 2-3% epidote-kspar veins and fracture filling qtz-crb veins.

Minerals								
From	To	#	Mineral	GrainSize	Style	%	Comments	
33.59	35.05	1:	BB NC	-	-	-	DMBW	
			VG: No					
46.37	46.56	1:	Pyrite	Fine grained	Scattered grains	1		
			VG: No					
47.44	47.53	1:	Pyrite	Fine grained	Scattered grains	1		
			VG: No					
49.64	51.84	1:	Pyrite	Fine grained	Scattered grains	0.3		
			VG: No					
53.17	53.74	1:	Pyrite	Fine grained	Scattered grains	0.5		
			VG: No					

DataSet: Jellicoe

Hole Length (m): 129.7

HoleID: M-6

Log Length (m): 129.7

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral		GrainSize	Style	%	Comments	
55.43	57.85	1: Pyrite		Fine grained	Scattered grains	2		
VG: No								
Structures								
From	To	Code	Structure Type	Comments				
56.1	58.1	FOL	Foliation	Local high strain area with stronger foliation				
Veins								
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments	
36	39	1: Quartz-Fe-carbonate	Stockwork Veins			1.7		
39	42	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.8		
		2: Quartz-Fe-carbonate	Stockwork Veins			1.6		
42	45	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.9		
		2: Quartz-Fe-carbonate	Stockwork Veins			1.1		
45	48	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			7.2		
		2: Quartz-Fe-carbonate	Stockwork Veins			0.6		
48	51	1: Quartz-Fe-carbonate	Stockwork Veins			3.2		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			0.4		
51	54	1: Quartz-Fe-carbonate	Stockwork Veins			2.9		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			0.9		
54	57	1: Quartz-Fe-carbonate	Stockwork Veins			3.1		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.1		

58.32 78.64 20.32 E1 Mafic Volcanic Pillowed

Med green; FG; weak-moderate foliation; local weak magnetic; local clusters of mafic and carb infilled amygdules; pervasive moderate chlorite alteration and patchy moderate epidote alteration associated with moderately preserved selvages in pillowed metavolcanics. 1-2% mineralized qtz-fe crb veins with up to 1% pyrite; local vuggy textures and hematite-sericite alteration halos. 5% epidote-kspar veins and 2-3% fracture filling qtz-crb veins.

Alteration

From	To	# Alteration	Intesity	Style	Comments
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DataSet: Jellicoe

Hole Length (m): 129.7

HoleID: M-6

Log Length (m): 129.7

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Alteration								
From	To	#	Alteration	Intesity	Style	Comments		
58.5	72	1:	Epidote	Strong (51-75%)	Patches	High frequency of epidote and k-spar altered selvages		
		2:	K-feldspar	Moderate (26-50%)	Patches			
Minerals								
From	To	#	Mineral	GrainSize	Style	%	Comments	
60.7	60.82	1:	Pyrite	Fine grained	Scattered grains	0.3	VG: No	
73.57	74.91	1:	Pyrite	Fine grained	Scattered grains	0.3	VG: No	
Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
60	63	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			6.2	
		2:	Quartz-Fe-carbonate	Stockwork Veins			2.7	
63	66	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.2	
		2:	Quartz-Fe-carbonate	Stockwork Veins			2.6	
66	69	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.8	
		2:	Quartz-Fe-carbonate	Stockwork Veins			1.2	
69	72	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.5	
		2:	Quartz-Fe-carbonate	Stockwork Veins			3.4	
72	75	1:	Quartz-Fe-carbonate	Stockwork Veins			5.1	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.3	
75	78	1:	Quartz-Fe-carbonate	Stockwork Veins			4.9	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			0.8	

78.64 97.99 19.35 E1 Mafic Volcanic Pillowed

Main host in metavolcanic. Alternating intervals of well veined and mineralized intersections with metavolcanic host. (Mineralized intervals: 78.64-80.1m; 87.48-92.05m; and 94.95-97.99m) Med grey with local beige and orange stained areas; well fractured/ semi brecciated and weakly silicified; moderate to strong shear sense @35 degrees ; ~20% Qtz-Fe-Crb veins in each interval with 2-3% pyrite as scattered grains and loose stringers as well as 0.5% hematite veinlets throughout. Variable hematite and sericite alteration

DataSet: Jellicoe

Hole Length (m): 129.7

HoleID: M-6

Log Length (m): 129.7

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
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throughout. Between mineralized intervals: med-dark green-grey;FG;weak foliation; moderately magnetic; pervasive weak-moderate chlorite-carbonate-magnetite alteration (slightly more concentrated where selvages are weakly preserved). 2% mineralized and vuggy qtz-fe crb veins with up to 1% pyrite. 2-3% fracture filling qtz- fe crb veins that are barren.

Alteration					
From	To	# Alteration	Intensity	Style	Comments
78.64	80.1	1: Sericite 2: Hematite 3: Silicified	Strong (51-75%) Strong (51-75%) Moderate (26-50%)	Patches Patches Pervasive	Sheared interval that is well veined/mineralized; and exhibits strong sericite-hematite alteration proximal to veins; and all overprinted by moderate silicification
78.64	80.1	1: BB Alteration	-	-	
87.48	90.13	1: BB Alteration	-	-	
87.48	92.05	1: Sericite 2: Hematite 3: Silicified	Strong (51-75%) Strong (51-75%) Moderate (26-50%)	Patches Patches Pervasive	Sheared interval that is well veined/mineralized; and exhibits strong sericite-hematite alteration proximal to veins; and all overprinted by moderate silicification
90.13	92.05	1: BB Alteration	-	-	
94.95	97.99	1: Silicified 2: Hematite 3: Sericite	Moderate (26-50%) Moderate (26-50%) Moderate (26-50%)	Pervasive Patches Patches	Moderately silicified interval with minor weak-moderate sericite-hematite alteration associated with mineralized veins

Minerals						
From	To	# Mineral	GrainSize	Style	%	Comments
78.64	80.1	1: BB NC VG: No	-	-	-	DMBW
78.64	92.51	1: Pyrite VG: No	Fine grained	Scattered grains	2	
87.48	88.61	1: BB NC VG: No	-	-	-	DMBW
88.61	90.13	1: BB NC VG: No	-	-	-	DMBW
90.13	92.05	1: BB NC VG: No	-	-	-	DMBW
94.27	94.35	1: Pyrite VG: No	Fine grained	Stringers	1	

DataSet: Jellicoe

Hole Length (m): 129.7

HoleID: M-6

Log Length (m): 129.7

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral		GrainSize	Style	%	Comments	
94.95	96.47	1: BB NC		-	-	-	DMBW	
		VG: No						
96.47	97.99	1: BB NC		-	-	-	DMBW	
		VG: No						
Structures								
From	To	Code	Structure Type	Comments				
78.64	80.1	SHD	Shear / mylonitic foliation	Local sheared/altered/mineralized interval in metavolcanics				
87.48	92.05	SHD	Shear / mylonitic foliation	Local sheared/altered/mineralized interval in metavolcanics				
Veins								
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments	
81	84	1: Quartz-Fe-Carbonate	Stockwork Veins			3.4		
84	87	1: Quartz-Fe-Carbonate	Stockwork Veins			4.6		
87	90	1: Quartz-Fe-Carbonate	Stockwork Veins					
90	93	1: Quartz-Fe-Carbonate	Stockwork Veins					
93	96	1: Quartz-Fe-carbonate	Stockwork Veins			2.1		

97.99 120.1 22.11 E1 Mafic Volcanic Pillowed

Med-dark green-grey; FG;generally massive with local weak foliation; moderately magnetic; pervasive moderate chlorite and weak magnetite alteration with minor local epidote alteration associated with sparse moderately preserved selvages in weakly pillowed metavolcanics. Well mineralized section from 116.5 to 120.1: moderate magnetite and silica alteration; weak hematite-sericite alteration halos associated with 20% Qtz-Fe-Crb veining (local vuggy) and up to 2% pyrite. 1% mineralized veins throughout rest of interval and 2% fracture filling Qtz-Crb veins.

Alteration								
From	To	# Alteration	Intensity	Style	Comments			
98.08	99.97	1: BB Alteration	-	-				
116.65	119.88	1: BB Alteration	-	-				
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
101.08	101.22	1: Pyrite	Fine grained	Scattered grains	0.3			
		VG: No						

DataSet: Jellicoe

Hole Length (m): 129.7

HoleID: M-6

Log Length (m): 129.7

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
107.69	107.8	1: Pyrite	Fine grained	Scattered grains	1			
VG: No								
116.68	120.1	1: Pyrite	Fine grained	Scattered grains	2			
VG: No								
118.26	119.18	1: BB NC	-	-	-	DMBW		
VG: No								

Veins								
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments	
99	102	1: Quartz-Fe-carbonate	Stockwork Veins			2.2		
102	105	1: Quartz-Fe-carbonate	Stockwork Veins			7.3		
105	108	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.9		
		2: Quartz-Fe-carbonate	Stockwork Veins			2.1		
108	111	1: Quartz-Fe-carbonate	Stockwork Veins			1.5		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.2		
111	114	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.8		
		2: Quartz-Fe-carbonate	Stockwork Veins			0.4		
114	117	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.7		

120.1 129.7 9.6 E1 Mafic Volcanic Pillowed

Med green;FG;weak foliation; local very weak magnetic; local clusters of mafic and carb infilled amygdules; pervasive weak chlorite and local moderate epidote alteration associated with moderately preserved selvages in pillowed metavolcanics; 2% mineralized qtz-fe crb veins with local vuggy textures; up to 0.5% pyrite and exhibiting weak hematite-sericite alteration halos. 3-4% fracture filling qtz-crb veins and epidote-kspar veins.

Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
128.55	128.91	1: Pyrite	Fine grained	Scattered grains	0.5			
VG: No								

Structures								

DataSet: Jellicoe

Hole Length (m): 129.7

HoleID: M-6

Log Length (m): 129.7

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
From	To	Code		Structure Type		Comments		
123.55	125.85	BAN		Banding		Local 10cm scale sections of highly strained; banded foliation. Appears to affect selvages		
Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
123	126	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.9	
		2:	Quartz-Fe-carbonate	Stockwork Veins			1.2	
126	129	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.4	
		2:	Quartz-Fe-carbonate	Stockwork Veins			1.3	

Downhole Samples
and Assay Results



DataSet: Jellicoe

Hole Length (m): 129.7

Primary Assay Samples: 97 90.65 %

HoleID: M-6

Max Samp Depth (m): 129.7

Field Duplicate Samples: 3 2.8 %

Standard/Blank Samples: 7 6.54 %

Total meters Sampled: 130.21

Total Samples: 107

<i>meters</i>			SampleID	Type	Original SampleID	StandardID	Batch #	Au (g/t)	Comments
From	To	Width							
10.97	12.5	1.53	178698	CORE			A16-09652	0.006	
12.5	13.7	1.2	178699	CORE			A16-09652	0.01	Quarter
		0	178700	DUP	178699		A16-09652	0.01	
13.7	15	1.3	178701	CORE			A16-09652	0.007	
15	16.25	1.25	178702	CORE			A16-09652	0.006	
16.25	17.23	0.98	178703	CORE			A16-09652	0.006	
17.23	18.29	1.06	178704	CORE			A16-09652	0.006	
20.42	21.9	1.48	178705	CORE			A16-09652	0.011	
21.9	23.4	1.5	178706	CORE			A16-09652	0.007	
23.4	24.9	1.5	178707	CORE			A16-09652	0.007	
24.9	26.4	1.5	178708	CORE			A16-09652	0.008	
		0	178709	STD		CDN_GS_P4B	A16-09652	0.433	entered incorrectly as CDN-GS-5K
26.4	27.6	1.2	178710	CORE			A16-09652	0.01	
27.6	29	1.4	178711	CORE			A16-09652	0.006	
29	30.5	1.5	178712	CORE			A16-09652	0.007	
30.5	31.9	1.4	178713	CORE			A16-09652	0.008	
31.9	33.12	1.22	178714	CORE			A16-09652	0.007	
33.12	33.59	0.47	178715	CORE			A16-09652	0.007	
35.05	36	0.95	178716	CORE			A16-09652	0.008	
36.2	37.5	1.3	178717	CORE			A16-09652	<0.005	
		0	178718	Blank		Blank	A16-09652	<0.005	
37.5	38.6	1.1	178719	CORE			A16-09652	<0.005	
38.6	40	1.4	178720	CORE			A16-09652	<0.005	
40	41.25	1.25	178721	CORE			A16-09652	<0.005	
41.25	42.55	1.3	178722	CORE			A16-09656	<0.005	
42.55	44	1.45	178723	CORE			A16-10084	<0.005	
44	45.5	1.5	178724	CORE			A16-10084	<0.005	
45.5	47	1.5	178725	CORE			A16-10084	<0.005	
		0	178726	STD		CDN_GS_P4B	A16-10084	0.397	

47	48.5	1.5	178727	CORE		A16-10084	0.005
48.5	50	1.5	178728	CORE		A16-10084	<0.005
50	51.09	1.09	178729	CORE		A16-10084	<0.005
51.84	53	1.16	178730	CORE		A16-10084	<0.005
53	54.5	1.5	178731	CORE		A16-10084	0.006
54.5	56	1.5	178732	CORE		A16-10084	<0.005
56	56.95	0.95	178733	CORE		A16-10084	0.006 Quarter
		0	178734	DUP	178733	A16-10084	0.006
56.95	58.32	1.37	178735	CORE		A16-10084	0.134
58.32	59.55	1.23	178736	CORE		A16-10084	<0.005
59.55	61	1.45	178737	CORE		A16-10084	<0.005
61	62.5	1.5	178738	CORE		A16-10084	<0.005
62.5	64	1.5	178739	CORE		A16-10084	0.006
64	65.5	1.5	178740	CORE		A16-10084	0.005
65.5	67	1.5	178741	CORE		A16-10084	<0.005
67	68.5	1.5	178742	CORE		A16-10084	<0.005
		0	178743	STD	CDN_GS_5K	A16-10084	3.68
68.5	70	1.5	178744	CORE		A16-10084	<0.005
70	71.4	1.4	178745	CORE		A16-09656	<0.005
71.4	72.75	1.35	178746	CORE		A16-09656	<0.005
73	74.5	1.5	178747	CORE		A16-09656	0.014
74.5	76	1.5	178748	CORE		A16-09656	0.01
76	77.4	1.4	178749	CORE		A16-09656	0.006
77.4	78.64	1.24	178750	CORE		A16-09656	0.016
80.1	81.5	1.4	178751	CORE		A16-09656	0.012
		0	178752	Blank	Blank	A16-09656	<0.005
81.5	83	1.5	178753	CORE		A16-09656	0.052
83.13	84.4	1.27	178754	CORE		A16-09656	0.006
84.4	85.9	1.5	178755	CORE		A16-10084	<0.005
86.2	87.48	1.28	178756	CORE		A16-10084	0.007
92.05	93.5	1.45	178757	CORE		A16-10084	0.007
93.5	94.95	1.45	178758	CORE		A16-10084	0.006
97.99	99.3	1.31	178759	CORE		A16-10084	0.007
		0	178760	STD	CDN_GS_P4B	A16-10084	0.493
99.3	100.5	1.2	178761	CORE		A16-10084	0.014
100.5	102	1.5	178762	CORE		A16-10084	0.006

102	103.5	1.5	178763	CORE		A16-10084	0.005	
103.5	105	1.5	178764	CORE		A16-10084	<0.005	
105	106.5	1.5	178765	CORE		A16-10084	<0.005	
106.5	108	1.5	178766	CORE		A16-10084	0.022	
108	109.5	1.5	178767	CORE		A16-10085	0.007	Quarter
		0	178768	DUP	178767	A16-10085	0.007	
109.5	111	1.5	178769	CORE		A16-10085	0.006	
111	112.5	1.5	178770	CORE		A16-10085	0.005	
112.5	114	1.5	178771	CORE		A16-10085	0.006	
114	115.5	1.5	178772	CORE		A16-10085	0.006	
115.5	116.7	1.2	178773	CORE		A16-10085	0.006	
116.7	117.4	0.7	178774	CORE		A16-10085	0.008	
117.4	118.26	0.86	178775	CORE		A16-10085	0.008	
119.18	120.1	0.92	178776	CORE		A16-10085	0.009	
		0	178777	STD	CDN_GS_5K	A16-10085	3.56	
120.1	121.5	1.4	178778	CORE		A16-10085	0.006	
121.5	123	1.5	178779	CORE		A16-10085	0.006	
123	124.4	1.4	178780	CORE		A16-10085	0.006	
124.4	125.9	1.5	178781	CORE		A16-10085	0.006	
126.37	127.7	1.33	178782	CORE		A16-10085	0.006	
127.7	128.55	0.85	178783	CORE		A16-10085	0.006	
128.55	129.7	1.15	178784	CORE		A16-10085	0.006	
18.29	19.05	0.76	BB_530	CORE		1182_GEM	0.171	DMBW
18.29	19.05	0.76	BB_530	CORE		1182_GEM	0.171	DMBW
19.05	20.42	1.37	BB_531	CORE		1182_GEM	0.343	DMBW
19.05	20.42	1.37	BB_531	CORE		1182_GEM	0.343	DMBW
33.59	35.05	1.46	BB_532	CORE		1182_GEM	0	DMBW
33.59	35.05	1.46	BB_532	CORE		1182_GEM	0	DMBW
78.64	80.1	1.46	BB_533	CORE		1182_GEM	0.343	DMBW
78.64	80.1	1.46	BB_533	CORE		1182_GEM	0.343	DMBW
87.48	88.61	1.13	BB_534	CORE		1182_GEM	0	DMBW
87.48	88.61	1.13	BB_534	CORE		1182_GEM	0	DMBW
88.61	90.13	1.52	BB_535	CORE		1182_GEM	0	DMBW
88.61	90.13	1.52	BB_535	CORE		1182_GEM	0	DMBW
90.13	92.05	1.92	BB_536	CORE		1182_GEM	0.171	DMBW
90.13	92.05	1.92	BB_536	CORE		1182_GEM	0.171	DMBW

94.95	96.47	1.52	BB_537	CORE	1182_GEM	0	DMBW
94.95	96.47	1.52	BB_537	CORE	1182_GEM	0	DMBW
96.47	97.99	1.52	BB_538	CORE	1182_GEM	0	DMBW
96.47	97.99	1.52	BB_538	CORE	1182_GEM	0	DMBW
118.26	119.18	0.92	BB_539	CORE	1182_GEM	0	DMBW
118.26	119.18	0.92	BB_539	CORE	1182_GEM	0	DMBW

Au Assay result colour coding Au >1 g/t Au <1 and >0.5 g/t Au <0.5 and >0.1 g/t

Drill Hole Log

Hole ID: M-7

DataSet: Jellicoe

Program: Exploration

Hole Status:	RELOGGED	Hole Length (m):	105.46	Logged By:	N/A
Hole Type:	Surface Drill Hole	Dip (°):	-45	Date Log Started:	N/A
Date Drill Started:	N/A	Azimuth:	342	Date Log Completed:	N/A
Date Drill Completed:	N/A	Survey Instrument	N/A		

Prospect:	Brookbank East	Company:	N/A
Grid ID:	UTM NAD 83 Zone 16N	Drill Contractor:	N/A
UTM East (m)	440,795.0	Survey Instrument:	N/A
UTM North (m)	5,507,480.1	Date Surveyed:	N/A
Elevation (masl):	348	Surveyed By:	N/A
Tenement ID:	TB29030	Tenement Type:	Lease
		Casing Size:	N/A
		Casing Depth (m)	N/A
		Core Storage:	N/A

Purpose: N/A

Comments: Relogged and resampled 2016 by M. Cote. Original source 1182 GEMS

Downhole Data Available

Max Survey Depth (m): 105.46

Max Sample Depth (m): 105.46

Depth Logged To (m) 105.46

Meters Sampled 115.31

Total Samples 96 **# Assay** 87 **# QAQC:** 9

Downhole Survey								
Depth	Dip	Azimuth (True)	Survey Instrument	Survey Method	Survey Company	Date Surveyed	Comments	Survey Accepted
0	-45	342	N/A	1182 GEMS			DMBW	N/A
62.18	-42	342	N/A	1182 GEMS			DMBW	N/A
105.46	-41	342	N/A	1182 GEMS			DMBW	N/A

Geology Summar							
<i>meters</i>							
From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize
2.44	31.78	29.34		E1	Mafic Volcanic	Pillowed	
31.78	42	10.22		E1	Mafic Volcanic	Massive	
42	64.62	22.62		E1	Mafic Volcanic	Pillowed	
64.62	70.87	6.25		E1	Mafic Volcanic		
70.87	85.95	15.08		E1	Mafic Volcanic		
85.95	90.2	4.25		E1	Mafic Volcanic		
90.2	105.46	15.26		E1	Mafic Volcanic	Pillowed	

DataSet: Jellicoe

Hole Length (m): 105.46

HoleID: M-7

Log Length (m): 105.46

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
2.44	31.78	29.34		E1	Mafic Volcanic	Pillowed		

Med green;FG;weak foliation. Local weak to mod magnetic; mod pervasive mod chl alteration with local carb; epidote and k-spar alteration associated with selvages in pillowed metavolcanics. Local carb& mafic filled amygdules. 2-3% pyrite mineralized qtz- fe crb veins with local vuggy textures and up to 1% scattered to disseminated PY. Weak hematite and sericite alteration halos and local brecciated textures associated with veining and minor local silicification. barren fracture filling qtz-crb and alteration derived epidote- kspar veins account for 2-3% of interval

Alteration

From	To	# Alteration	Intesity	Style	Comments
9	31	1: Epidote	Strong (51-75%)	Patches	Moderate to strong patchy epidote and k-spar alteration associated with preserved pillow selvages with pervasive chl alteration throughout metavolcanics and local carb alteration
		2: K-feldspar	Strong (51-75%)	Patches	
		3: Chlorite	Moderate (26-50%)	Pervasive	
		4: Fe-Carbonate	Moderate (26-50%)	Localized	

Minerals

From	To	# Mineral	GrainSize	Style	%	Comments
9.35	24	1: Pyrite	Fine grained	Scattered grains	0.3	
		VG: No				

Veins

From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
3	6	1: Quartz-Fe-Carbonate	Stockwork Veins			1.8	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.1	
6	9	1: Quartz-Fe-Carbonate	Stockwork Veins			2.8	
9	12	1: Quartz-Fe-Carbonate	Stockwork Veins			1.8	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.2	
12	15	1: Quartz-Fe-Carbonate	Stockwork Veins			3.8	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.1	
15	18	1: Quartz-Fe-Carbonate	Stockwork Veins			2.7	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.6	
18	21	1: Quartz-Fe-Carbonate	Stockwork Veins			3.7	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.4	

DataSet: Jellicoe

Hole Length (m): 105.46

HoleID: M-7

Log Length (m): 105.46

meters

From	To	Width	% Lith Code	Rocktype	Texture	GrainSize	Logged By
Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
21	24	1: Quartz-Fe-Carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			2.1 0.9	
24	27	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			3.4 0.6	
27	30	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			2.9 1.6	

31.78 42 10.22 E1 Mafic Volcanic Massive

Med-light green; MG; generally massive with local mod-strong foliation at start of interval; non magnetic; mod chl and local mod epidote and k-spar alteration in massive flow metavolcanics. 2-3% Qtz-Fe-Carb veins mineralized with up to 2% pyrite; exhibiting local vuggy textures and hematite alteration. Barren fracture filling Qtz-Carb and alteration derived epidote-Kspars veins account for 2% of interval.

Minerals							
From	To	# Mineral	GrainSize	Style	%	Comments	
40.6	41	1: Pyrite	Fine grained	Scattered grains	1		
VG: No							

Structures							
From	To	Code	Structure Type	Comments			
31.78	33.36	FOL	Foliation	Local mod-strong foliation at start of massive flow metavolcanics			

Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
33	36	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			2.2 1.9	
36	39	1: Quartz-Fe-carbonate 2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Stockwork Veins Vein > 3"			1.6 1.3	
39	42	1: Quartz-Fe-carbonate	Stockwork Veins			1.8	

42 64.62 22.62 E1 Mafic Volcanic Pillowed

DataSet: Jellicoe

Hole Length (m): 105.46

HoleID: M-7

Log Length (m): 105.46

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
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Med-dark grey green;FG;weak foliation; mod-strong magnetic throughout; pervasive weak chlorite and local minor carb-epidote-kspar alteration related to selvages in pillowed metavolcanics. 2-3% qtz- fe crb veins mineralized with up to 1% FG pyrite and displaying plocal vuggy textures; minor magnetite and hematite-sericite alteration halos. 2-3% barren fracture filling qtz-crb and epidote-kspar veining.

Minerals							
From	To	# Mineral	GrainSize	Style	%	Comments	
43.85	44.5	1: Pyrite	Fine grained	Scattered grains	0.5	VG: No	
47.4	63.83	1: Pyrite	Fine grained	Scattered grains	1	VG: No	
		2: Magnetite	Fine grained	Veinlet	0.5		
58.58	60.05	1: BB NC	-	-	-	DMBW	
						VG: No	

Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
42	45	1: Quartz-Fe-carbonate	Stockwork Veins			1.9	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.1	
45	48	1: Quartz-Fe-carbonate	Stockwork Veins			2.6	
48	51	1: Quartz-Fe-carbonate	Stockwork Veins			1.3	
51	54	1: Quartz-Fe-carbonate	Stockwork Veins			1.7	
54	57	1: Quartz-Fe-carbonate	Stockwork Veins			1.7	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			0.5	
57	60	1: Quartz-Fe-carbonate	Stockwork Veins			1	
60	63	1: Quartz-Fe-carbonate	Stockwork Veins			2.2	

64.62 70.87 6.25 E1 Mafic Volcanic

Shear/alteration zone displaying local mylonitic textures; non magnetic; strong foliation; varying degree of silicification throughout with pervasive sericite and local chlorite-hematite alteration associated with increased qtz veining. 10-15% mineralized qtz veins with up to 2% pyrite and minor magnetite. Previously sampled with poor results.

Alteration					
From	To	# Alteration	Intesity	Style	Comments
64.62	70.87	1: Silicified	Strong (51-75%)	Pervasive	Silicified shear zone with increased veining and mineralization. Patchy moderate to strong sericite and hematite alteration/staining throughout interval showing
		2: Sericite	Strong (51-75%)	Pervasive	
		3: Hematite	Moderate (26-50%)	Patches	

DataSet: Jellicoe

Hole Length (m): 105.46

HoleID: M-7

Log Length (m): 105.46

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Alteration								
From	To	# Alteration	Intesity	Style	Comments			
70.2	70.87	1: BB Alteration	-	-	preference to areas with increased veining.			
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
64.62	65.84	1: BB NC VG: No	-	-	-	DMBW		
65.84	67.36	1: BB NC VG: No	-	-	-	DMBW		
67.36	69.46	1: BB NC VG: No	-	-	-	DMBW		
69.46	70.2	1: BB NC VG: No	-	-	-	DMBW		
70.2	70.87	1: BB NC VG: No	-	-	-	DMBW		
Structures								
From	To	Code	Structure Type	Comments				
64.62	70.87	SHD	Shear / mylonitic foliation	Strong to very strong foliation showing local mylonitic textures in shear/alteration zone				

70.87 85.95 15.08 E1 Mafic Volcanic

Med grey-green;FG;weak foliation; weak-moderate magnetic throughout; pervasive weak chlorite and local weak carb altered pillowed metavolcanics. Weak evidence of pillows; local brecciated selvages. 3-4% mineralized and vuggy qtz- fe crb veins with hematite-sericite-pyrite alteration halos and up to 1% pyrite. 3-4% barren fracture filling qtz-crb veins.

Alteration								
From	To	# Alteration	Intesity	Style	Comments			
70.87	71.02	1: BB Alteration	-	-				
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
71.68	82.7	1: Pyrite VG: No	Fine grained	Scattered grains	1			

Veins

DataSet: Jellicoe

Hole Length (m): 105.46

HoleID: M-7

Log Length (m): 105.46

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By	
From	To	#	Vein Type		Style	%	Core Angle °	Thickness (cm)	Comments
72	75	1:	Quartz-Fe-carbonate		Stockwork Veins			3.6	
75	78	1:	Quartz-Fe-carbonate		Stockwork Veins			3.9	
78	81	1:	Quartz-Fe-carbonate		Stockwork Veins			1.1	
81	84	1:	Quartz-Fe-carbonate		Stockwork Veins			3.1	

85.95 90.2 4.25 E1 Mafic Volcanic

Brittle shear/alteration zone. Main host is same as above; with increased veining; mineralization and alteration. Varying silicification throughout and moderate sericite-hematite alteration associated with brecciated areas with increased veining and pyrite mineralization. 20% qtz-fe crb veining with up to 2% pyrite. Previously sampled (3.77 g/t from 87.97 to 89.61)

Alteration

From	To	#	Alteration	Intensity	Style	Comments
85.95	90	1:	Silicified	Strong (51-75%)	Pervasive	Silicified and brecciated qtz- fe crb veining sequence with increased pyrite. Patchy sericite and hematite alteration throughout interval
		2:	Sericite	Moderate (26-50%)	Patches	
		3:	Hematite	Moderate (26-50%)	Patches	

Minerals

From	To	#	Mineral	GrainSize	Style	%	Comments
85.95	87.36	1:	BB NC	-	-	-	DMBW
			VG: No				
87.36	87.97	1:	BB NC	-	-	-	DMBW
			VG: No				
87.97	89.61	1:	BB NC	-	-	-	DMBW
			VG: No				

Structures

From	To	Code	Structure Type	Comments
85.95	89.61	SHD	Shear / mylonitic foliation	Interval of high strain. Strong foliation and local brecciated textures.

Veins

From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
87	90	1:	Quartz-Fe-Carbonate	Stockwork Veins			1.3	

90.2 105.46 15.26 E1 Mafic Volcanic Pillowed

Med green:FG:weak foliation: weak-moderate magnetic: pervasive mod chlorite alteration with patchy epidote and k-spar alteration

DataSet: Jellicoe

Hole Length (m): 105.46

HoleID: M-7

Log Length (m): 105.46

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
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related to preserved selvages in pillowed metavolcanics. Local carb and mafic infilled amygdules. 2-3% Qtz-Fe-Crb veins with up to 1% pyrite; exhibiting hematite-sericite-pyrite alteration halos and minor vuggy textures. 3-4% barren epidote-Ksp veins and fracture filling Qtz-Crb veins.

Alteration						
From	To	#	Alteration	Intensity	Style	Comments
90.2	99.15	1:	Epidote	Strong (51-75%)	Patches	Moderate to strong patchy epidote and k-spar alteration associated with pillow selvages in metavolcanics
		2:	K-feldspar	Strong (51-75%)	Patches	
101.59	102.5	1:	BB Alteration	-	-	

Minerals							
From	To	#	Mineral	GrainSize	Style	%	Comments
92.12	105	1:	Pyrite	Fine grained	Scattered grains	0.5	
			VG: No				
101.59	102.5	1:	BB NC	-	-	-	DMBW
			VG: No				

Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
93	96	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			4.3	
		2:	Quartz-Fe-carbonate	Stockwork Veins			1.2	
96	99	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			8.1	
		2:	Quartz-Fe-carbonate	Stockwork Veins			1.8	
99	102	1:	Quartz-Fe-carbonate	Stockwork Veins			3.1	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.4	
102	105	1:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.8	
		2:	Quartz-Fe-carbonate	Stockwork Veins			1.9	

Downhole Samples
and Assay Results



DataSet: Jellicoe

Hole Length (m): 105.46

Primary Assay Samples: 87 90.62 %

HoleID: M-7

Max Samp Depth (m): 105.46

Field Duplicate Samples: 2 2.08 %

Standard/Blank Samples: 7 7.29 %

Total meters Sampled: 115.31

Total Samples: 96

<i>meters</i>			SampleID	Type	Original SampleID	StandardID	Batch #	Au (g/t)	Comments
From	To	Width							
2.44	3.85	1.41	178045	CORE			A16-09455	0.012	
		0	178046	STD		CDN_GS_P4B	A16-09455	0.423	
3.85	5.45	1.6	178047	CORE			A16-09455	0.014	
5.45	7	1.55	178048	CORE			A16-09455	0.008	
7	8.5	1.5	178049	CORE			A16-09455	0.017	
8.5	10	1.5	178050	CORE			A16-09455	0.011	
10	11.5	1.5	178051	CORE			A16-09455	0.011	
11.5	13	1.5	178052	CORE			A16-09455	0.024	
13	14.5	1.5	178053	CORE			A16-09455	0.011	
14.5	15.5	1	178054	CORE			A16-09455	0.012	Quarter
		0	178055	DUP	178054		A16-09455	0.019	
15.5	17	1.5	178056	CORE			A16-09455	0.014	
17	18.5	1.5	178057	CORE			A16-09455	0.02	
18.5	20	1.5	178058	CORE			A16-09455	0.011	
20	21.5	1.5	178059	CORE			A16-09455	0.011	
21.5	22.95	1.45	178060	CORE			A16-09455	0.009	
22.95	24.4	1.45	178061	CORE			A16-09455	<0.005	
24.4	25.8	1.4	178062	CORE			A16-09455	<0.005	
25.8	27.3	1.5	178063	CORE			A16-09455	<0.005	
		0	178064	STD		CDN_GS_5K	A16-09455	3.8	
27.3	28.5	1.2	178065	CORE			A16-09455	<0.005	
28.5	30	1.5	178066	CORE			A16-09455	<0.005	
30	30.9	0.9	178067	CORE			A16-09455	<0.005	
30.9	31.78	0.88	178068	CORE			A16-09458	0.006	
31.78	33	1.22	178069	CORE			A16-09458	0.006	
33	34.5	1.5	178070	CORE			A16-09458	0.008	
34.5	36	1.5	178071	CORE			A16-09458	0.014	
		0	178072	Blank		Blank	A16-09458	<0.005	
36	37.5	1.5	178073	CORE			A16-09458	0.01	

37.5	39	1.5	178074	CORE		A16-09458	0.005	
39	40.5	1.5	178075	CORE		A16-09458	0.011	
40.5	41.1	0.6	178076	CORE		A16-09458	0.026	
41.1	42	0.9	178077	CORE		A16-09458	0.01	
42	43.5	1.5	178078	CORE		A16-09458	<0.005	
43.5	44.5	1	178079	CORE		A16-09458	<0.005	
		0	178080	STD	CDN_GS_P4B	A16-09458	0.439	
44.5	46	1.5	178081	CORE		A16-09458	<0.005	
46	47.5	1.5	178082	CORE		A16-09458	0.005	
47.5	49	1.5	178083	CORE		A16-09458	0.007	
49	50.5	1.5	178084	CORE		A16-09458	<0.005	
50.5	52	1.5	178085	CORE		A16-09458	0.005	
52	53.5	1.5	178086	CORE		A16-09458	0.006	
53.5	55	1.5	178087	CORE		A16-09458	0.007	
55	56.5	1.5	178088	CORE		A16-09458	0.008	Quarter
		0	178089	DUP	178088	A16-09458	0.005	
56.5	57.6	1.1	178090	CORE		A16-09458	0.006	
57.6	58.58	0.98	178091	CORE		A16-09458	0.009	
60.05	61.55	1.5	178092	CORE		A16-09458	0.007	
61.55	63.05	1.5	178093	CORE		A16-09458	<0.005	
63.05	64.62	1.57	178094	CORE		A16-09458	<0.005	
70.87	72	1.13	178095	CORE		A16-09458	0.005	
72	73.5	1.5	178096	CORE		A16-09458	<0.005	
73.5	75	1.5	178097	CORE		A16-09458	0.005	
		0	178098	STD	CDN_GS_5K	A16-09458	3.63	
75	76.5	1.5	178099	CORE		A16-09458	0.019	
76.5	78	1.5	178100	CORE		A16-09458	0.005	
78	79.5	1.5	178101	CORE		A16-09458	0.032	
79.5	81	1.5	178102	CORE		A16-09458	0.02	
81	82.3	1.3	178103	CORE		A16-09459	0.05	
82.3	83.5	1.2	178104	CORE		A16-09459	0.014	
83.5	84.75	1.25	178105	CORE		A16-09459	0.008	
		0	178106	Blank	Blank	A16-09459	<0.005	
84.75	85.95	1.2	178107	CORE		A16-09459	<0.005	
89.61	90.2	0.59	178108	CORE		A16-09459	<0.005	
90.2	91	0.8	178109	CORE		A16-09459	<0.005	

91	92.5	1.5	178110	CORE		A16-09459	<0.005	
92.5	94	1.5	178111	CORE		A16-09459	<0.005	
94	95.3	1.3	178112	CORE		A16-09459	<0.005	
95.3	96.7	1.4	178113	CORE		A16-09459	<0.005	
		0	178114	STD	CDN_GS_P4B	A16-09459	0.443	
96.7	98.2	1.5	178115	CORE		A16-09459	<0.005	
98.2	99.5	1.3	178116	CORE		A16-09459	<0.005	
99.5	100.6	1.1	178117	CORE		A16-09459	<0.005	
100.6	101.59	0.99	178118	CORE		A16-09459	<0.005	
102.5	104	1.5	178119	CORE		A16-09459	<0.005	
104	105.46	1.46	178120	CORE		A16-09459	<0.005	
58.58	60.05	1.47	BB_542	CORE		1182_GEM	0	DMBW
58.58	60.05	1.47	BB_542	CORE		1182_GEM	0	DMBW
64.62	65.84	1.22	BB_543	CORE		1182_GEM	0.069	DMBW
64.62	65.84	1.22	BB_543	CORE		1182_GEM	0.069	DMBW
65.84	67.36	1.52	BB_544	CORE		1182_GEM	0.069	DMBW
65.84	67.36	1.52	BB_544	CORE		1182_GEM	0.069	DMBW
67.36	69.46	2.1	BB_545	CORE		1182_GEM	0.171	DMBW
67.36	69.46	2.1	BB_545	CORE		1182_GEM	0.171	DMBW
69.46	70.2	0.74	BB_546	CORE		1182_GEM	0.343	DMBW
69.46	70.2	0.74	BB_546	CORE		1182_GEM	0.343	DMBW
70.2	70.87	0.67	BB_547	CORE		1182_GEM	0.686	DMBW
70.2	70.87	0.67	BB_547	CORE		1182_GEM	0.686	DMBW
85.95	87.36	1.41	BB_548	CORE		1182_GEM	0.171	DMBW
85.95	87.36	1.41	BB_548	CORE		1182_GEM	0.171	DMBW
87.36	87.97	0.61	BB_549	CORE		1182_GEM	0.069	DMBW
87.36	87.97	0.61	BB_549	CORE		1182_GEM	0.069	DMBW
87.97	89.61	1.64	BB_550	CORE		1182_GEM	3.771	DMBW
87.97	89.61	1.64	BB_550	CORE		1182_GEM	3.771	DMBW
101.59	102.5	0.91	BB_551	CORE		1182_GEM	0	DMBW
101.59	102.5	0.91	BB_551	CORE		1182_GEM	0	DMBW

Au Assay result colour coding Au >1 g/t Au <1 and >0.5 g/t Au <0.5 and >0.1 g/t

Drill Hole Log

Hole ID: M-8

DataSet: Jellicoe

Program: Exploration

Hole Status:	RELOGGED	Hole Length (m):	83.52	Logged By:	N/A
Hole Type:	Surface Drill Hole	Dip (°):	-45	Date Log Started:	N/A
Date Drill Started:	N/A	Azimuth:	342	Date Log Completed:	N/A
Date Drill Completed:	N/A	Survey Instrument	N/A		

Prospect:	Brookbank East	Company:	N/A
Grid ID:	UTM NAD 83 Zone 16N	Drill Contractor:	N/A
UTM East (m)	440,735.7	Survey Instrument:	N/A
UTM North (m)	5,507,465.8	Date Surveyed:	N/A
Elevation (masl):	342	Surveyed By:	N/A
Tenement ID:	TB29030	Tenement Type:	Lease
		Casing Size:	N/A
		Casing Depth (m)	N/A
		Core Storage:	N/A

Purpose: N/A

Comments: Relogged and resampled 2016 by M. Cote. Original source 1182 GEMS

Downhole Data Available

Max Survey Depth (m): 60.96

Max Sample Depth (m): 83.5

Depth Logged To (m) 83.5

Meters Sampled 91.2

Total Samples 83 **# Assay** 75 **# QAQC:** 8

Downhole Survey								
Depth	Dip	Azimuth (True)	Survey Instrument	Survey Method	Survey Company	Date Surveyed	Comments	Survey Accepted
0	-45	342	N/A	1182 GEMS			DMBW	N/A
60.96	-47	342	N/A	1182 GEMS			DMBW	N/A

Geology Summar							
<i>meters</i>							
From	To	Width	% Lith	Code	Rocktype	Texture	GrainSize
2.3	10.23	7.93	E1		Mafic Volcanic	Pillowed	
10.23	31	20.77	E1		Mafic Volcanic	Pillowed	
31	57.24	26.24	E1		Mafic Volcanic	Pillowed	
57.24	66.25	9.01	E1		Mafic Volcanic	Pillowed	
66.25	78	11.75	E1		Mafic Volcanic		
78	83.5	5.5	E1		Mafic Volcanic	Pillowed	

DataSet: Jellicoe

Hole Length (m): 83.52

HoleID: M-8

Log Length (m): 83.5

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
2.3	10.23	7.93		E1	Mafic Volcanic	Pillowed		

Med green;FG;weak foliation to locally massive; local carb and mafic infilled amygdules; weak-moderate magnetic; moderate chlorite and weak carbonate alteration with local epidote and kspar related to preserved selvages in pillowed metavolcanics. 2-3% qtz- fe crb veins with local vuggy textures; hematite veilets and very trace pyrite in veins. some hematite veinlets cutting groundmass. 1-2% fracture filling qtz-crb veins and epidote-kspar veins.

Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
3	6	1:	Quartz-Fe-carbonate	Stockwork Veins			6.2	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.2	
6	9	1:	Quartz-Fe-carbonate	Stockwork Veins			2.3	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.4	

From	To	Width	%	Lith Code	Rocktype	Texture
10.23	31	20.77		E1	Mafic Volcanic	Pillowed

Med-dark grey-green;FGF;weak foliation; local weak magnetic; local carb filled amygdules; moderate chlorite and carbonate alteration with local very week epidote alteration associated to poorly preserved selvages in pillowed metavolcanics. 3-4% qtz- fe crb veins that are locally brecciated; silicified; and subject to variable hematite-sericite alteration where scattered pyrite (up to 2%) and hematite veinlets become more abundant. 3-4% fracture filling qtz- fe crb veins throughout with minor epidote-kspar structures due to alteration.

Alteration						
From	To	#	Alteration	Intesity	Style	Comments
21.3	25.2	1:	Silicified	Moderate (26-50%)	Pervasive	Slightly brecciated section where moderate silicification dominates; with minor hematite and sericite alt'd vein halos
		2:	Hematite	Weak (1-25%)	Localized	
		3:	Sericite	Weak (1-25%)	Localized	

Minerals							
From	To	#	Mineral	GrainSize	Style	%	Comments
10.97	12.5	1:	BB NC	-	-	-	DMBW
			VG: No				
17.07	18.59	1:	BB NC	-	-	-	DMBW
			VG: No				
21.43	22.49	1:	BB NC	-	-	-	DMBW
			VG: No				

DataSet: Jellicoe

Hole Length (m): 83.52

HoleID: M-8

Log Length (m): 83.5

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
22.49	23.16	1: BB NC	-	-	-	DMBW		
VG: No								
24.44	25.21	1: BB NC	-	-	-	DMBW		
VG: No								
28.16	29.87	1: BB NC	-	-	-	DMBW		
VG: No								

Veins									
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments		
12	15	1: Quartz-Fe-carbonate	Stockwork Veins			2.1			
15	18	1: Quartz-Fe-carbonate	Stockwork Veins			7.3			
18	21	1: Quartz-Fe-carbonate	Stockwork Veins			7.6			
21	24	1: Quartz-Fe-carbonate	Stockwork Veins			2.2			
24	27	1: Quartz-Fe-carbonate	Stockwork Veins			3.1			
27	30	1: Quartz-Fe-carbonate	Stockwork Veins			3.4			
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			0.3			

31 **57.24** 26.24 **E1** **Mafic Volcanic** Pillowed

Med green;FG;weak foliation to locally massive; local carb and mafic infilled amygdules; weak-moderate magnetic; moderate chlorite altered with local epidote and kspar alteration related to prevered selvages in pillowed metavolcanics. 3-4% qtz- fe crb veins that are mineralized with up to 2% pyrite; minor hematite and magnetite; and exhibit local vuggy textures; minor brecciation and associated silica overprinting; hematite-sericite halos. 2-3% fracture filling qtz-crb veins and epidote-kspar veins

Alteration							
From	To	# Alteration	Intesity	Style	Comments		
36.5	42	1: Epidote	Strong (51-75%)	Patches	Most intense epidote alteration seen in hole. Patchy epidote and accompanied k-spar rlated to pillow selvages		
		2: K-feldspar	Moderate (26-50%)	Patches			

Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
39.72	39.93	1: BB NC	-	-	-	DMBW		
VG: No								

DataSet: Jellicoe

Hole Length (m): 83.52

HoleID: M-8

Log Length (m): 83.5

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Minerals								
From	To	# Mineral	GrainSize	Style	%	Comments		
39.72	42.77	1: Pyrite	Fine grained	Scattered grains	1			
		VG: No	2: Hematite	Fine grained	0.5	Veinlet		
42.73	43.13	1: BB NC	-	-	-	DMBW		
		VG: No						
45.73	48.62	1: Pyrite	Fine grained	Scattered grains	0.5			
		VG: No	2: Hematite	Fine grained	0.5	Veinlet		
55.78	57.24	1: BB NC	-	-	-	DMBW		
		VG: No						
Veins								
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments	
33	36	1: Quartz-Fe-carbonate	Stockwork Veins			6.1		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.8		
36	39	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			15.3		
		2: Quartz-Fe-carbonate	Stockwork Veins			2.2		
39	42	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.2		
		2: Quartz-Fe-carbonate	Stockwork Veins			1.1		
42	45	1: Quartz-Fe-carbonate	Stockwork Veins			2.3		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			0.8		
45	48	1: Quartz-Fe-carbonate	Stockwork Veins			1.8		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			0.6		
48	51	1: Quartz-Fe-carbonate	Stockwork Veins			3.1		
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.7		
51	54	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			6.1		
		2: Quartz-Fe-carbonate	Stockwork Veins			4.7		
54	57	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			4.9		
		2: Quartz-Fe-carbonate	Stockwork Veins			2.6		

DataSet: Jellicoe

Hole Length (m): 83.52

HoleID: M-8

Log Length (m): 83.5

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
57.24	66.25	9.01		E1	Mafic Volcanic	Pillowed		

Minerals

From	To	# Mineral	GrainSize	Style	%	Comments
61.43	64	1: Pyrite	Fine grained	Scattered grains	0.3	
		VG: No				
		2: Hematite	Fine grained	Veinlet	0.5	

Veins

From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
60	63	1: Quartz-Fe-Carbonate	Stockwork Veins			4.1	
63	66	1: Quartz-Fe-carbonate	Stockwork Veins			5.1	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.2	

66.25	78	11.75		E1	Mafic Volcanic			
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Alteration

From	To	# Alteration	Intensity	Style	Comments
66.25	78	1: Sericite	Moderate (26-50%)	Patches	Varying degrees of sericite and hematite alteration; more pronounced where shear is more intense and veining is increased. Local weak silicification associated with well veined areas
		2: Hematite	Weak (1-25%)	Patches	
		3: Silicified	Weak (1-25%)	Localized	

Minerals

From	To	# Mineral	GrainSize	Style	%	Comments
66.45	67.36	1: BB NC	-	-	-	DMBW
		VG: No				
76.9	77.97	1: BB NC	-	-	-	DMBW
		VG: No				

Structures

From	To	Code	Structure Type	Comments
66.25	78	SHD	Shear / mylonitic foliation	Shear zone. Varying degrees of foliation throughout
70.2	70.25	FLT	Fault	Small fault/slip in shear zone interval
76.47	76.51	FLT	Fault	Small fault/slip in shear zone interval

Veins

From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
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DataSet: Jellicoe

Hole Length (m): 83.52

HoleID: M-8

Log Length (m): 83.5

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By	
Veins									
From	To	#	Vein Type		Style	%	Core Angle °	Thickness (cm)	Comments
69	72	1:	Quartz-Fe-Carbonate		Stockwork Veins			3.8	
72	75	1:	Quartz-Fe-carbonate		Stockwork Veins			4.3	
75	78	1:	Quartz-Fe-carbonate		Stockwork Veins			4.7	

78 **83.5** 5.5 **E1** **Mafic Volcanic** Pillowed

Med green with local pink-grey hue; FG; weak foliation; moderate magnetic; mod chlorite and local weak crb alt'd groundmass with local epidote alt'd sections related to prevered selvages in pillowed metavolcanics. Weak-moderate silicification for ~2m following previously sheared interval. 2-3% vuggy qtz- fe crb veins with up to 1% pyrite; hematite-sericite alteration halos. 2-3% fracture filling qtz-crb veins and alteration derived epidote-kspar

Veins									
From	To	#	Vein Type		Style	%	Core Angle °	Thickness (cm)	Comments
78	81	1:	Quartz-Fe-Carbonate		Stockwork Veins			3.9	

Downhole Samples
and Assay Results



DataSet: Jellicoe

Hole Length (m): 83.52

Primary Assay Samples: 75 90.36 %

HoleID: M-8

Max Samp Depth (m): 83.5

Field Duplicate Samples: 2 2.41 %

Standard/Blank Samples: 6 7.23 %

Total meters Sampled: 91.2

Total Samples: 83

<i>meters</i>			SampleID	Type	Original SampleID	StandardID	Batch #	Au (g/t)	Comments
From	To	Width							
2.3	3.5	1.2	178232	CORE			A16-09292	<0.005	
3.5	5	1.5	178233	CORE			A16-09292	<0.005	
		0	178234	STD		CDN_GS_5K	A16-09292	3.98	
5	6.5	1.5	178235	CORE			A16-09292	<0.005	
6.5	8	1.5	178236	CORE			A16-09292	<0.005	
8	9	1	178237	CORE			A16-09292	<0.005	
9	10.23	1.23	178238	CORE			A16-09292	<0.005	
10.23	10.97	0.74	178239	CORE			A16-09292	<0.005	
12.5	14	1.5	178240	CORE			A16-09292	<0.005	
14	15	1	178241	CORE			A16-09292	<0.005	
		0	178242	Blank		Blank	A16-09324	<0.005	
15	16	1	178243	CORE			A16-09324	<0.005	
16	17.07	1.07	178244	CORE			A16-09324	<0.005	
18.59	20	1.41	178245	CORE			A16-09324	<0.005	
20	21.43	1.43	178246	CORE			A16-09324	0.011	
23.16	24.44	1.28	178247	CORE			A16-09324	0.016	
25.21	26.7	1.49	178248	CORE			A16-09324	0.009	
26.7	28.16	1.46	178249	CORE			A16-09324	0.007	
		0	178250	STD		CDN_GS_P4B	A16-09324	0.482	
29.87	31	1.13	178251	CORE			A16-09326	<0.005	
31	32.5	1.5	178252	CORE			A16-09326	<0.005	
32.5	34	1.5	178253	CORE			A16-09326	<0.005	
34	35.5	1.5	178254	CORE			A16-09326	<0.005	
35.5	37	1.5	178255	CORE			A16-09326	<0.005	
37	38.5	1.5	178256	CORE			A16-09326	<0.005	
38.5	39.72	1.22	178257	CORE			A16-09326	<0.005	
39.93	41	1.07	178258	CORE			A16-09326	<0.005	Quarter
		0	178259	DUP	178258		A16-09326	<0.005	
41	42.5	1.5	178260	CORE			A16-09326	<0.005	

42.5	43.6	1.1	178261	CORE		A16-09326	<0.005	
43.6	44.7	1.1	178262	CORE		A16-09326	<0.005	
44.7	45.73	1.03	178263	CORE		A16-09326	<0.005	
46.13	47.5	1.37	178264	CORE		A16-09326	<0.005	
47.5	49	1.5	178265	CORE		A16-09326	<0.005	
49	50.3	1.3	178266	CORE		A16-09326	<0.005	
50.3	51.2	0.9	178267	CORE		A16-09389	<0.005	
		0	178268	STD	CDN_GS_5K	A16-09389	3.31	
51.2	52.3	1.1	178269	CORE		A16-09389	<0.005	
52.3	53.6	1.3	178270	CORE		A16-09389	<0.005	
53.6	54.6	1	178271	CORE		A16-09389	<0.005	
54.6	55.78	1.18	178272	CORE		A16-09389	<0.005	
57.24	58.5	1.26	178273	CORE		A16-09389	<0.005	
58.5	60	1.5	178274	CORE		A16-09389	<0.005	
60	61.5	1.5	178275	CORE		A16-09389	<0.005	
		0	178276	Blank	Blank	A16-09389	<0.005	
61.5	63	1.5	178277	CORE		A16-09389	<0.005	
63	64	1	178278	CORE		A16-09389	<0.005	
64	65.5	1.5	178279	CORE		A16-09389	<0.005	
65.5	66.25	0.75	178280	CORE		A16-09389	<0.005	
66.25	67	0.75	178281	CORE		A16-09389	<0.005	
67.9	69.4	1.5	178282	CORE		A16-09389	0.007	
69.4	70.6	1.2	178283	CORE		A16-09389	<0.005	
		0	178284	STD	CDN_GS_P4B	A16-09389	0.339	
70.6	72	1.4	178285	CORE		A16-09389	<0.005	
72	73.5	1.5	178286	CORE		A16-09389	<0.005	
73.5	75	1.5	178287	CORE		A16-09389	<0.005	
75	76.3	1.3	178288	CORE		A16-09389	<0.005	
76.3	76.9	0.6	178289	CORE		A16-09389	0.042	
77.97	79.3	1.33	178290	CORE		A16-09389	<0.005	
79.3	80.8	1.5	178291	CORE		A16-09389	<0.005	Quarter
		0	178292	DUP	178291	A16-09389	<0.005	
80.8	82.2	1.4	178293	CORE		A16-09389	<0.005	
82.2	83.5	1.3	178294	CORE		A16-09389	0.005	
45.73	46.13	0.4	561	CORE		A13-06026	N/A	Previously 42.73-43.13
67	67.9	0.9	563	CORE		A13-06026	N/A	Previously 66.45-67.36

10.97	12.5	1.53	BB_554	CORE	1182_GEM	0	DMBW
10.97	12.5	1.53	BB_554	CORE	1182_GEM	0	DMBW
17.07	18.59	1.52	BB_555	CORE	1182_GEM	0	DMBW
17.07	18.59	1.52	BB_555	CORE	1182_GEM	0	DMBW
21.43	22.49	1.06	BB_556	CORE	1182_GEM	0.171	DMBW
21.43	22.49	1.06	BB_556	CORE	1182_GEM	0.171	DMBW
22.49	23.16	0.67	BB_557	CORE	1182_GEM	0	DMBW
22.49	23.16	0.67	BB_557	CORE	1182_GEM	0	DMBW
24.44	25.21	0.77	BB_558	CORE	1182_GEM	0	DMBW
24.44	25.21	0.77	BB_558	CORE	1182_GEM	0	DMBW
28.16	29.87	1.71	BB_559	CORE	1182_GEM	0.069	DMBW
28.16	29.87	1.71	BB_559	CORE	1182_GEM	0.069	DMBW
39.72	39.93	0.21	BB_560	CORE	1182_GEM	0.069	DMBW
39.72	39.93	0.21	BB_560	CORE	1182_GEM	0.069	DMBW
55.78	57.24	1.46	BB_562	CORE	1182_GEM	0.069	DMBW
55.78	57.24	1.46	BB_562	CORE	1182_GEM	0.069	DMBW
76.9	77.97	1.07	BB_564	CORE	1182_GEM	0.069	DMBW
76.9	77.97	1.07	BB_564	CORE	1182_GEM	0.069	DMBW

Au Assay result colour coding Au >1 g/t Au <1 and >0.5 g/t Au <0.5 and >0.1 g/t

Drill Hole Log

Hole ID: M-9

DataSet: Jellicoe

Program: Exploration

Hole Status:	RELOGGED	Hole Length (m):	93.27	Logged By:	N/A
Hole Type:	Surface Drill Hole	Dip (°):	-45	Date Log Started:	N/A
Date Drill Started:	N/A	Azimuth:	162	Date Log Completed:	N/A
Date Drill Completed:	N/A	Survey Instrument	N/A		

Prospect:	Brookbank East			Company:	N/A
Grid ID:	UTM NAD 83 Zone 16N			Drill Contractor:	N/A
UTM East (m)	440,945.9	Survey Instrument:	N/A	Hole Diameter:	N/A
UTM North (m)	5,507,615.1	Date Surveyed:	N/A	Casing Size:	N/A
Elevation (masl):	329	Surveyed By:	N/A	Casing Depth (m)	N/A
Tenement ID:	TB29029	Tenement Type:	Lease	Core Storage:	N/A

Purpose: N/A

Comments: Relogged and resampled 2016 by M. Cote. Original source 1182 GEMS

Downhole Data Available

Max Survey Depth (m):	93.27	Max Sample Depth (m):	93.27
Depth Logged To (m)	93.27	Meters Sampled	75.81
		Total Samples	74
		# Assay	68
		# QAQC:	6

Downhole Survey								
Depth	Dip	Azimuth (True)	Survey Instrument	Survey Method	Survey Company	Date Surveyed	Comments	Survey Accepted
0	-45	162	N/A	1182 GEMS			DMBW	N/A
93.27	-37	162	N/A	1182 GEMS			DMBW	N/A

Geology Summar							
<i>meters</i>							
From	To	Width	% Lith	Code	Rocktype	Texture	GrainSize
2.13	24.5	22.37		S3	Sandstone	Bedded	
24.5	40.02	15.52		M3	Schist		
40.92	44.8	3.88		E1	Mafic Volcanic	Pillowed	
44.8	55.6	10.8		E1	Mafic Volcanic		
55.6	93.27	37.67		E1	Mafic Volcanic	Pillowed	

DataSet: Jellicoe

Hole Length (m): 93.27

HoleID: M-9

Log Length (m): 93.27

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
2.13	24.5	22.37		S3	Sandstone	Bedded		

Med-light grey-beige with local dark grey bands; fine to very fine grained; weak-mod foliation and sparse mm scale preserved grainsize bedding; non magnetic; local bands/beds of strong chlorite alt'd siltstone that are locally folded in pervasive weak sericite and chlorite alt'd metasediments(siltstone to sandstone)Local graphitic laminations (~17-26m). 1-2% thin qtz veins throughout interval. some mineralized with very trace pyrite and have chlorite banded margins.

Alteration

From	To	# Alteration	Intesity	Style	Comments
17	24.5	1: Chlorite	Very strong (76-99%)	Localized	Very strong chlorite altered bands/ beds in metasedimentary unit

Minerals

From	To	# Mineral	GrainSize	Style	%	Comments
2.13	3.35	1: BB NC	-	-	-	DMBW
VG: No						

24.5 40.02 15.52 M3 Schist

Shear/fault zone. Med to light beige and green;FG; very strong foliation throughout; Some evidence of preserved bedding as above; pervasive strong chlorite and sericite alteration in successive bands that are tightly foliated and folded locally; chlorite-sericite schist derived from sediments; entire interval is generally rubbly/broken up with 2.9m fault starting at 38m defined by fault gouge material that is semi consolidated to loose towards the lower boundary. 3-4% qtz-crb veins that are deformed and mineralized with trace pyrite. Semi consolidated; porous black material that breaks apart easily at 30.6m; unsure but possible plug/ wedge component

Minerals

From	To	# Mineral	GrainSize	Style	%	Comments
31.76	31.84	1: Pyrite	Fine grained	Stringers	1	
VG: No						

40.92 44.8 3.88 E1 Mafic Volcanic Pillowed

Med-dark green;FG;moderate to strong foliation; non magnetic; pervasive mod-strong chlorite and local moderate carb alt'd metavolcanics; minor evidence of pillows defined by some weak epidote alteration that outlines selvage boundaries. ~5% fracture filling qtz-crb veins throughout with proximal stringers/clusters of pyrite.

Minerals

From	To	# Mineral	GrainSize	Style	%	Comments
41.15	41.45	1: Pyrite	Fine grained	Scattered grains	0.5	
VG: No						

44.8 55.6 10.8 E1 Mafic Volcanic

Locally brecciated above zone. Med to dark greenish grey with local med beige and pinkish sections where veining and alteration

DataSet: Jellicoe

Hole Length (m): 93.27

HoleID: M-9

Log Length (m): 93.27

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
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increases.; strong to very strong foliation displaying local mylonitic textures. Non magnetic; pervasive chlorite alteration with local dominant sericite and hematite alteration and minor silicification associated with qtz- fe crb veining an hematite veinlets found in brecciated sections. Host is metavolcanic. 7-8% qtz-fe crb veins mineralized with up to 2% F-MG pyrite; local vuggy and brecciated textures. 2-3% fracture filling qtz- fe crb veins. Mineralization appears to increase where strain is highest.

Alteration						
From	To	#	Alteration	Intensity	Style	Comments
44.81	54.68	1:	BB Alteration	-	-	
44.81	55.6	1:	Sericite	Moderate (26-50%)	Patches	Variable sericite and hematite alteration with weak silica overprinting where veins are brecciated; all apart of sheared and well veined interval .
		2:	Hematite	Moderate (26-50%)	Patches	
		3:	Silicified	Weak (1-25%)	Localized	

Minerals							
From	To	#	Mineral	GrainSize	Style	%	Comments
44.81	45.29	1:	BB NC	-	-	-	DMBW
			VG: No				
49.16	49.83	1:	BB NC	-	-	-	DMBW
			VG: No				
50.29	51.36	1:	BB NC	-	-	-	DMBW
			VG: No				
51.36	52.43	1:	BB NC	-	-	-	DMBW
			VG: No				
53.77	54.68	1:	BB NC	-	-	-	DMBW
			VG: No				

55.6 93.27 37.67 E1 Mafic Volcanic Pillowed

Med-dark green;FG; weak foliation to locally massive; weak-moderate magnetic; pervasive moderate chlorite alteration with local epidote and minor k-spar alteration associated with preserved selvages in pillowed metavolcanics. Local magnetite bands/veins mineralized with 0.5% pyrite. 3-4% qtz-fe crb veins with concentration towards top of interval; local vuggy and brecciated textures that are associated with increased pyrite; up to 1% pyrite; hematite and sericite halos and minor weak silicification associated with more brecciated veins. 2% fracture filling qtz- fe crb veins and alteration derived epidote-kspar veins.

Alteration						
From	To	#	Alteration	Intensity	Style	Comments
85.5	92.5	1:	Epidote	Strong (51-75%)	Patches	Increase in strong epidote alteration occurrence; related to selvages

Minerals						
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DataSet: Jellicoe

Hole Length (m): 93.27

HoleID: M-9

Log Length (m): 93.27

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
58.31	70.98	1: Pyrite						
		VG: No						
59.5	59.86	1: BB NC						
		VG: No						
60.81	62.33	1: BB NC						
		VG: No						
62.33	62.85	1: BB NC						
		VG: No						
65.84	66.35	1: BB NC						
		VG: No						
68.31	68.7	1: BB NC						
		VG: No						
77.64	78.62	1: Pyrite						
		VG: No						
80.32	80.7	1: Pyrite						
		VG: No						
82.58	83.6	1: Pyrite						
		VG: No						

Structures

From	To	Code	Structure Type	Comments
79.3	82.5	BAN	Banding	Strong foliation in compositionally banded metavolcanics

Veins

From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
72	75	1: Quartz-Fe-carbonate	Stockwork Veins			4.7	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.2	
75	78	1: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.4	
		2: Quartz-Fe-carbonate	Stockwork Veins			1.9	
78	81	1: Quartz-Fe-carbonate	Stockwork Veins			3.5	
		2: Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.1	

DataSet: Jellicoe

Hole Length (m): 93.27

HoleID: M-9

Log Length (m): 93.27

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
81	84	1:	Quartz-Fe-carbonate	Stockwork Veins			2.9	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.3	
84	87	1:	Quartz-Fe-carbonate	Stockwork Veins			2.8	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			3.5	
87	90	1:	Quartz-Fe-carbonate	Stockwork Veins			2.1	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			1.7	
90	93	1:	Quartz-Fe-carbonate	Stockwork Veins			2.5	
		2:	Quartz-Fe-Carbonate / K-Feldspar-epidote	Vein > 3"			2.6	

Downhole Samples
and Assay Results



DataSet: Jellicoe

Hole Length (m): 93.27

Primary Assay Samples: 68 91.89 %

HoleID: M-9

Max Samp Depth (m): 93.27

Field Duplicate Samples: 1 1.35 %

Standard/Blank Samples: 5 6.76 %

Total meters Sampled: 75.81

Total Samples: 74

<i>meters</i>			SampleID	Type	Original SampleID	StandardID	Batch #	Au (g/t)	Comments
From	To	Width							
3.35	4.5	1.15	178396	CORE			A16-09459	<0.005	
4.5	6	1.5	178397	CORE			A16-09459	<0.005	
6	7	1	178398	CORE			A16-09459	<0.005	
7	8.16	1.16	178399	CORE			A16-09459	0.005	
8.35	9.67	1.32	178400	CORE			A16-09459	<0.005	
9.77	11	1.23	178401	CORE			A16-09459	<0.005	
11	12.5	1.5	178402	CORE			A16-09459	<0.005	
12.5	14	1.5	178403	CORE			A16-09459	<0.005	
		0	178404	STD		CDN_GS_5K	A16-09459	3.56	
14	15.5	1.5	178405	CORE			A16-09459	<0.005	
15.5	17	1.5	178406	CORE			A16-09459	<0.005	
17	18.3	1.3	178407	CORE			A16-09459	<0.005	
18.3	19.3	1	178408	CORE			A16-09459	0.006	
20.97	22	1.03	178409	CORE			A16-09459	<0.005	
22	23.15	1.15	178410	CORE			A16-09459	<0.005	
23.15	24.5	1.35	178411	CORE			A16-09459	0.007	
		0	178412	Blank		Blank	A16-09459	<0.005	
24.5	26	1.5	178413	CORE			A16-09462	0.032	
26.2	27.5	1.3	178414	CORE			A16-09462	0.007	
27.5	28.7	1.2	178415	CORE			A16-09462	<0.005	
28.7	29.65	0.95	178416	CORE			A16-09462	0.011	
29.65	30.6	0.95	178417	CORE			A16-09462	0.011	
31.65	32.7	1.05	178418	CORE			A16-09462	0.027	
32.7	33.7	1	178419	CORE			A16-09462	0.071	
		0	178420	STD		CDN_GS_P4B	A16-09462	0.483	
33.7	35.35	1.65	178421	CORE			A16-09462	0.008	
35.35	36.7	1.35	178422	CORE			A16-09462	0.045	
36.7	38	1.3	178423	CORE			A16-09462	0.009	
38	39	1	178424	CORE			A16-09462	0.013	

39	40.02	1.02	178425	CORE		A16-09462	0.018	
40.92	42.25	1.33	178426	CORE		A16-09462	0.013	
42.25	43.58	1.33	178427	CORE		A16-09462	0.007	
71.02	72.5	1.48	178428	CORE		A16-09462	<0.005	Quarter
		0	178429	DUP	178428	A16-09462	0.012	
72.5	74	1.5	178430	CORE		A16-09462	<0.005	
74	75.2	1.2	178431	CORE		A16-09462	0.007	
75.2	76.4	1.2	178432	CORE		A16-09462	0.005	
76.4	77.6	1.2	178433	CORE		A16-09462	<0.005	
77.6	78.65	1.05	178434	CORE		A16-09462	0.012	
78.65	80	1.35	178435	CORE		A16-09462	<0.005	
80	81.3	1.3	178436	CORE		A16-09462	0.005	
81.3	82.55	1.25	178437	CORE		A16-09462	<0.005	
		0	178438	STD	CDN_GS_5K	A16-09462	3.49	
82.55	83.6	1.05	178439	CORE		A16-09462	0.01	
83.6	85	1.4	178440	CORE		A16-09462	<0.005	
85	86.5	1.5	178441	CORE		A16-09462	<0.005	
86.5	88	1.5	178442	CORE		A16-09462	<0.005	
88	89.5	1.5	178443	CORE		A16-09462	0.01	
89.5	91	1.5	178444	CORE		A16-09462	<0.005	
91	92.2	1.2	178445	CORE		A16-09462	0.018	
		0	178446	Blank	Blank	A16-09462	<0.005	
92.2	93.27	1.07	178447	CORE		A16-09462	<0.005	
2.13	3.35	1.22	BB_565	CORE		1182_GEM	0	DMBW
2.13	3.35	1.22	BB_565	CORE		1182_GEM	0	DMBW
44.81	45.29	0.48	BB_566	CORE		1182_GEM	0.686	DMBW
44.81	45.29	0.48	BB_566	CORE		1182_GEM	0.686	DMBW
49.16	49.83	0.67	BB_567	CORE		1182_GEM	0	DMBW
49.16	49.83	0.67	BB_567	CORE		1182_GEM	0	DMBW
50.29	51.36	1.07	BB_568	CORE		1182_GEM	0	DMBW
50.29	51.36	1.07	BB_568	CORE		1182_GEM	0	DMBW
51.36	52.43	1.07	BB_569	CORE		1182_GEM	0	DMBW
51.36	52.43	1.07	BB_569	CORE		1182_GEM	0	DMBW
53.77	54.68	0.91	BB_570	CORE		1182_GEM	0.686	DMBW
53.77	54.68	0.91	BB_570	CORE		1182_GEM	0.686	DMBW
59.5	59.86	0.36	BB_571	CORE		1182_GEM	0	DMBW

59.5	59.86	0.36	BB_571	CORE	1182_GEM	0	DMBW
60.81	62.33	1.52	BB_572	CORE	1182_GEM	0	DMBW
60.81	62.33	1.52	BB_572	CORE	1182_GEM	0	DMBW
62.33	62.85	0.52	BB_573	CORE	1182_GEM	0.171	DMBW
62.33	62.85	0.52	BB_573	CORE	1182_GEM	0.171	DMBW
65.84	66.35	0.51	BB_574	CORE	1182_GEM	0.171	DMBW
65.84	66.35	0.51	BB_574	CORE	1182_GEM	0.171	DMBW
68.31	68.7	0.39	BB_575	CORE	1182_GEM	1.029	DMBW
68.31	68.7	0.39	BB_575	CORE	1182_GEM	1.029	DMBW

Au Assay result colour coding Au >1 g/t Au <1 and >0.5 g/t Au <0.5 and >0.1 g/t

Drill Hole Log

Hole ID: M-10

DataSet: Jellicoe

Program: Exploration

Hole Status:	RELOGGED	Hole Length (m):	108.51	Logged By:	N/A
Hole Type:	Surface Drill Hole	Dip (°):	-45	Date Log Started:	N/A
Date Drill Started:	N/A	Azimuth:	342	Date Log Completed:	N/A
Date Drill Completed:	N/A	Survey Instrument	N/A		

Prospect:	Brookbank East	Company:	N/A
Grid ID:	UTM NAD 83 Zone 16N	Drill Contractor:	N/A
UTM East (m)	440,949.3	Survey Instrument:	N/A
UTM North (m)	5,507,603.4	Date Surveyed:	N/A
Elevation (masl):	330	Surveyed By:	N/A
Tenement ID:	TB29029	Tenement Type:	Lease
		Hole Diameter:	N/A
		Casing Size:	N/A
		Casing Depth (m)	N/A
		Core Storage:	N/A

Purpose: N/A

Comments: Relogged and resampled 2016 by M. Cote. Original source 1182 GEMS

Downhole Data Available

Max Survey Depth (m): 108.51

Max Sample Depth (m): 108.5

Depth Logged To (m) 108.5

Meters Sampled 104.86

Total Samples 85 **# Assay** 76 **# QAQC:** 9

Downhole Survey								
Depth	Dip	Azimuth (True)	Survey Instrument	Survey Method	Survey Company	Date Surveyed	Comments	Survey Accepted
0	-45	342	N/A	1182 GEMS			DMBW	N/A
108.51	-36	342	N/A	1182 GEMS			DMBW	N/A

Geology Summar							
<i>meters</i>							
From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize
3.96	19.5	15.54		S3	Sandstone	Bedded	
19.5	46.57	27.07		S1A	Argillite	Bedded	
46.57	88	41.43		S2	Siltstone	Bedded	
88	108.5	20.5		S2	Siltstone	Laminated	

DataSet: Jellicoe

Hole Length (m): 108.51

HoleID: M-10

Log Length (m): 108.5

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
3.96	19.5	15.54		S3	Sandstone	Bedded		

Med-light grey-beige; fine to very fine grained; weak-moderate foliation and local strong grainsize/alteration bedding; non magnetic; weak sericite and local mod chlorite alteration associated with 5% graphitic argillite beds that are dark grey to black. 2-3% qtz-crb veins with little to no mineralization. Local trace pyrite

Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
6	9	1	Quartz-Fe-carbonate	Vein > 3"			8.7	
9	12	1	Quartz-Fe-carbonate	Vein > 3"			4.3	
12	15	1	Quartz-Fe-carbonate	Vein > 3"			16.2	
15	18	1	Quartz-Fe-carbonate	Vein > 3"			2.8	

19.5 46.57 27.07 S1A Argillite Bedded

Med-dark grey and locally black; very fine grained with local fine grained beds; moderate foliation and local strong bedding; moderate chlorite alteration and graphite content in argillite; with ~10% fine sandstone beds (lighter grey). 20cm Local very strong sericite alteration at 41m. Minor qtz-crb veins that are mineralized with up to 0.5% pyrite in stringers along the vein margins. 2-3% barren qtz-crb veins throughout.

Minerals							
From	To	#	Mineral	GrainSize	Style	%	Comments
43.5	44.8	1	Pyrite	Fine grained	Stringers	0.5	
			VG: No				

Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
21	24	1	Quartz-Fe-carbonate	Vein > 3"			1.6	
24	27	1	Quartz-Fe-carbonate	Stockwork Veins			3.8	
27	30	1	Quartz-Fe-carbonate	Vein > 3"			4.5	
30	33	1	Quartz-Fe-carbonate	Stockwork Veins			3.8	
33	36	1	Quartz-Fe-carbonate	Stockwork Veins			10.2	
36	39	1	Quartz-Fe-carbonate	Stockwork Veins			5.9	
39	42	1	Quartz-Fe-carbonate	Stockwork Veins			3.7	
42	45	1	Quartz-Fe-carbonate	Vein > 3"			9.6	

DataSet: Jellicoe

Hole Length (m): 108.51

HoleID: M-10

Log Length (m): 108.5

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
46.57	88	41.43		S2	Siltstone	Bedded		

Med-light grey with local beige hue; fine to very fine grained; non magnetic; moderate foliation and local strong grainsize beds in siltstone with up to 10% argillite beds with minor graphite content and 5% slightly coarser (more of a fine sandstone and lighter in colour) beds. Entire interval in weakly chlorite altered with local concentration towards argillite beds. Local weak sericite alteration in areas with beige hue (associated with coarser beds) 2-3% thin fracture filling qtz-crb veins. No significant mineralization.

Veins								
From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
48	51	1:	Quartz-Fe-carbonate	Stockwork Veins			2.4	
51	54	1:	Quartz-Fe-carbonate	Stockwork Veins			2.6	
54	57	1:	Quartz-Fe-carbonate	Stockwork Veins			3.1	
57	60	1:	Quartz-Fe-carbonate	Stockwork Veins			3.3	
60	63	1:	Quartz-Fe-carbonate	Stockwork Veins			4.7	
63	66	1:	Quartz-Fe-carbonate	Stockwork Veins			4.1	
66	69	1:	Quartz-Fe-carbonate	Stockwork Veins			2.4	
69	72	1:	Quartz-Fe-carbonate	Stockwork Veins			3.9	
72	75	1:	Quartz-Fe-carbonate	Stockwork Veins			3.6	
75	78	1:	Quartz-Fe-carbonate	Stockwork Veins			4.5	
78	81	1:	Quartz-Fe-carbonate	Stockwork Veins			2.2	
81	84	1:	Quartz-Fe-carbonate	Stockwork Veins			1.8	
84	87	1:	Quartz-Fe-carbonate	Stockwork Veins			2.6	

88	108.5	20.5		S2	Siltstone	Laminated		
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Med-light grey-beige with local dark grey-black laminations; fine to very fine grained; non magnetic; weak-moderate foliation and local strong thin grainsize beds in fine sandstone with 5% very fine grained argillite beds with minor graphite content. Primary host is subject to weak chlorite and sericite alteration and the argillite beds are moderately chloritic. Slightly mineralized section with up to 0.5% pyrite and 25% qtz-crb veining from 104.7 to 106.4m. 2-3% qtz-crb veins spread throughout interval with no significant mineralization.

Alteration						
From	To	#	Alteration	Intensity	Style	Comments
98.3	108.5	1:	Sericite	Moderate (26-50%)	Pervasive	Pervasive moderate sericite alteration

Minerals							
From	To	#	Mineral	GrainSize	Style	%	Comments

DataSet: Jellicoe

Hole Length (m): 108.51

HoleID: M-10

Log Length (m): 108.5

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By	
Minerals									
From	To	# Mineral	GrainSize	Style	%	Comments			
104.7	105.77	1: BB NC	-	-	-	DMBW	VG: No		
104.7	106.4	1: Pyrite	Fine grained	Stringers	0.5		VG: No		
105.77	106.38	1: BB NC	-	-	-	DMBW	VG: No		
Veins									
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments		
90	93	1: Quartz-Fe-carbonate	Stockwork Veins			5.1			
93	96	1: Quartz-Fe-carbonate	Stockwork Veins			3.4			
96	99	1: Quartz-Fe-carbonate	Stockwork Veins			4.8			
99	102	1: Quartz-Fe-carbonate	Stockwork Veins			5.2			
102	105	1: Quartz-Fe-carbonate	Vein > 3"			2.4			
105	108	1: Quartz-Fe-carbonate	Vein > 3"			3.5			

Downhole Samples
and Assay Results



DataSet: Jellicoe

Hole Length (m): 108.51

Primary Assay Samples: 76 89.41 %

HoleID: M-10

Max Samp Depth (m): 108.5

Field Duplicate Samples: 2 2.35 %

Standard/Blank Samples: 7 8.24 %

Total meters Sampled: 104.86

Total Samples: 85

<i>meters</i>			SampleID	Type	Original SampleID	StandardID	Batch #	Au (g/t)	Comments
From	To	Width							
3.96	5.3	1.34	178448	CORE			A16-09028	<0.005	
5.3	6.7	1.4	178449	CORE			A16-09028	0.006	
6.7	8.1	1.4	178450	CORE			A16-09028	<0.005	
8.1	9.5	1.4	178451	CORE			A16-09028	0.005	
9.5	11	1.5	178452	CORE			A16-09028	0.005	
11	12.5	1.5	178453	CORE			A16-09028	0.005	
		0	178454	STD		CDN_GS_P4B	A16-09028	0.44	
12.5	13.7	1.2	178455	CORE			A16-09028	<0.005	
13.7	15.2	1.5	178456	CORE			A16-09028	<0.005	
15.2	17	1.8	178457	CORE			A16-09028	<0.005	
17	18	1	178458	CORE			A16-09102	<0.005	
18	19.5	1.5	178459	CORE			A16-09102	<0.005	
19.5	20.52	1.02	178460	CORE			A16-09102	<0.005	
20.62	22	1.38	178461	CORE			A16-09102	<0.005	
22	23.5	1.5	178462	CORE			A16-09102	<0.005	Quarter
		0	178463	DUP	178462		A16-09102	<0.005	
23.5	24.9	1.4	178464	CORE			A16-09102	<0.005	
25.2	26.4	1.2	178465	CORE			A16-09102	<0.005	
26.4	27.65	1.25	178466	CORE			A16-09102	<0.005	
27.85	29.3	1.45	178467	CORE			A16-09102	<0.005	
29.3	30.6	1.3	178468	CORE			A16-09102	<0.005	
30.6	31.63	1.03	178469	CORE			A16-09102	<0.005	
31.8	33.05	1.25	178470	CORE			A16-09102	<0.005	
33.28	34.6	1.32	178471	CORE			A16-09102	<0.005	
		0	178472	STD		CDN_GS_5K	A16-09102	3.44	
34.6	36	1.4	178473	CORE			A16-09102	<0.005	
36	37.5	1.5	178474	CORE			A16-09214	<0.005	
37.5	39	1.5	178475	CORE			A16-09214	<0.005	
39	40.5	1.5	178476	CORE			A16-09214	<0.005	

40.5	42	1.5	178477	CORE		A16-09214	0.006	
42	43.3	1.3	178478	CORE		A16-09214	<0.005	
43.4	44.8	1.4	178479	CORE		A16-09214	<0.005	
		0	178480	Blank	Blank	A16-09214	<0.005	
44.8	46.3	1.5	178481	CORE		A16-09214	<0.005	
46.3	47.7	1.4	178482	CORE		A16-09214	<0.005	
47.7	49	1.3	178483	CORE		A16-09214	<0.005	
49	50.5	1.5	178484	CORE		A16-09214	0.006	
50.5	52	1.5	178485	CORE		A16-09214	<0.005	
52	53.5	1.5	178486	CORE		A16-09214	0.008	
53.5	55	1.5	178487	CORE		A16-09214	<0.005	
		0	178488	STD	CDN_GS_P4B	A16-09214	0.465	
55	56.5	1.5	178489	CORE		A16-09214	<0.005	
56.5	58	1.5	178490	CORE		A16-09214	<0.005	
58	59.5	1.5	178491	CORE		A16-09214	<0.005	
59.5	61	1.5	178492	CORE		A16-09214	<0.005	
61	62.5	1.5	178493	CORE		A16-09214	<0.005	
62.5	64	1.5	178494	CORE		A16-09214	<0.005	
64	65.5	1.5	178495	CORE		A16-09214	<0.005	
65.56	67	1.44	178496	CORE		A16-09214	<0.005	Quarter
		0	178497	DUP	178496	A16-09214	<0.005	
67	68.5	1.5	178498	CORE		A16-09214	<0.005	
68.5	70	1.5	178499	CORE		A16-09214	<0.005	
70	71.5	1.5	178500	CORE		A16-09214	<0.005	
71.5	73	1.5	178501	CORE		A16-09214	<0.005	
73	74.5	1.5	178502	CORE		A16-09214	<0.005	
74.5	76	1.5	178503	CORE		A16-09214	<0.005	
76	77.3	1.3	178504	CORE		A16-09283	0.008	
77.5	79	1.5	178505	CORE		A16-09283	0.006	
		0	178506	STD	CDN_GS_5K	A16-09283	4.08	
79	80.5	1.5	178507	CORE		A16-09283	<0.005	
80.5	82	1.5	178508	CORE		A16-09283	0.005	
82	83.5	1.5	178509	CORE		A16-09292	<0.005	
83.5	85	1.5	178510	CORE		A16-09292	<0.005	
85	86.5	1.5	178511	CORE		A16-09292	<0.005	
86.5	88	1.5	178512	CORE		A16-09292	<0.005	

88	89.5	1.5	178513	CORE		A16-09292	<0.005	
		0	178514	Blank	Blank	A16-09292	<0.005	
89.5	91	1.5	178515	CORE		A16-09292	0.006	
91	92.5	1.5	178516	CORE		A16-09292	0.005	
92.5	94	1.5	178517	CORE		A16-09292	<0.005	
94	95.5	1.5	178518	CORE		A16-09292	<0.005	
95.5	97	1.5	178519	CORE		A16-09292	0.005	
97	98.5	1.5	178520	CORE		A16-09292	<0.005	
98.5	100	1.5	178521	CORE		A16-09292	<0.005	
		0	178522	STD	CDN_GS_P4B	A16-09292	0.454	
100	101.5	1.5	178523	CORE		A16-09292	<0.005	
101.5	102.6	1.1	178524	CORE		A16-09292	0.051	
102.6	103.65	1.05	178525	CORE		A16-09292	0.014	
103.65	104.7	1.05	178526	CORE		A16-09292	0.03	
106.38	107.5	1.12	178527	CORE		A16-09292	0.027	
107.5	108.5	1	178528	CORE		A16-09292	0.005	
104.7	105.77	1.07	BB_580	CORE		1182_GEM	0.343	DMBW
104.7	105.77	1.07	BB_580	CORE		1182_GEM	0.343	DMBW
105.77	106.38	0.61	BB_581	CORE		1182_GEM	0.171	DMBW
105.77	106.38	0.61	BB_581	CORE		1182_GEM	0.171	DMBW

Au Assay result colour coding Au >1 g/t Au <1 and >0.5 g/t Au <0.5 and >0.1 g/t

Drill Hole Log

Hole ID: M-11

DataSet: Jellicoe

Program: Exploration

Hole Status:	RELOGGED	Hole Length (m):	76.35	Logged By:	N/A
Hole Type:	Surface Drill Hole	Dip (°):	-45	Date Log Started:	N/A
Date Drill Started:	N/A	Azimuth:	162	Date Log Completed:	N/A
Date Drill Completed:	N/A	Survey Instrument	N/A		

Prospect:	Brookbank East	Company:	N/A
Grid ID:	UTM NAD 83 Zone 16N	Drill Contractor:	N/A
UTM East (m)	440,922.4	Survey Instrument:	digitized
UTM North (m)	5,507,687.2	Date Surveyed:	11/12/2016
Elevation (masl):	343	Surveyed By:	J. Solomon
Tenement ID:	TB29029	Tenement Type:	Lease
		Hole Diameter:	N/A
		Casing Size:	N/A
		Casing Depth (m)	N/A
		Core Storage:	N/A

Purpose: N/A

Comments: Relogged and resampled 2016 by M. Cote. Original source 1182 GEMS

Downhole Data Available

Max Survey Depth (m): 76.2

Max Sample Depth (m): 76.35

Depth Logged To (m) 76.2

Meters Sampled 74.82

Total Samples 65 # Assay 58 # QAQC: 7

Downhole Survey								
Depth	Dip	Azimuth (True)	Survey Instrument	Survey Method	Survey Company	Date Surveyed	Comments	Survey Accepted
0	-45	162	N/A	1182 GEMS			DMBW	N/A
76.2	-45	162	N/A	1182 GEMS			DMBW	N/A

Geology Summar							
<i>meters</i>							
From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize
1.83	43.39	41.56		S2	Siltstone	Bedded	
43.49	76.2	32.71		S2	Siltstone	Bedded	

DataSet: Jellicoe

Hole Length (m): 76.35

HoleID: M-11

Log Length (m): 76.2

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
1.83	43.39	41.56		S2	Siltstone	Bedded		

Med-light grey with slight beige hue; fine grained with local very fine grained beds(mm scale and locally folded); non magnetic; weak foliation; pervasive weak sericite alteration with local strong chlorite alteration associated with thin beds of slightly graphitic argillite (2-3% occurrence) in host of siltstone. 2% white qtz-crb veins with local seams/stringers of pyrite along the margins. 1-2% thin fracture filling qtz-crb veins.

Minerals							
From	To	# Mineral	GrainSize	Style	%	Comments	
23.53	23.63	1: Pyrite	Fine grained	Scattered grains	0.3		
		VG: No					

Structures					
From	To	Code	Structure Type	Comments	
19	31	BED	Bedding (S0)	Local cm to mm scale grainsize beds	

Veins							
From	To	# Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
3	6	1: Quartz-Fe-carbonate	Stockwork Veins			2.1	
6	9	1: Quartz-Fe-carbonate	Stockwork Veins			10.6	
9	12	1: Quartz-Fe-carbonate	Stockwork Veins			2.4	
12	15	1: Quartz-Fe-carbonate	Stockwork Veins			1.3	
15	18	1: Quartz-Fe-carbonate	Stockwork Veins			1.8	
18	21	1: Quartz-Fe-carbonate	Stockwork Veins			12.5	
21	24	1: Quartz-Fe-carbonate	Stockwork Veins			2.7	
24	27	1: Quartz-Fe-carbonate	Stockwork Veins			2.4	
27	30	1: Quartz-Fe-carbonate	Stockwork Veins			6.6	
30	33	1: Quartz-Fe-carbonate	Stockwork Veins			1.5	
33	36	1: Quartz-Fe-carbonate	Stockwork Veins			10.9	
36	39	1: Quartz-Fe-carbonate	Stockwork Veins			3.1	
39	42	1: Quartz-Fe-carbonate	Stockwork Veins			5.8	

43.49	76.2	32.71		S2	Siltstone	Bedded		
-------	------	-------	--	----	-----------	--------	--	--

Same unit as above;Med-light grey with slight beige hue; fine grained with local very fine grained beds(mm scale and locally folded); non magnetic; weak foliation; pervasive weak sericite alteration with local strong chlorite alteration associated with thin beds of slightly graphitic argillite (10% occurrence) in host of siltstone. 2% white qtz-crb veins with local seams/stringers of pyrite along the

DataSet: Jellicoe

Hole Length (m): 76.35

HoleID: M-11

Log Length (m): 76.2

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By
------	----	-------	---	-----------	----------	---------	-----------	-----------

margins. 1-2% thin fracture filling qtz-crb veins.

Alteration

From	To	#	Alteration	Intensity	Style	Comments
43.5	58	1:	Chlorite	Strong (51-75%)	Banding	bands/beds of chloritic and graphitic argillite
		2:	Graphite	Moderate (26-50%)	Banding	

Minerals

From	To	#	Mineral	GrainSize	Style	%	Comments
43.56	44.05	1:	Pyrite	Fine grained	Scattered grains	0.3	
			VG: No				
45.11	46.33	1:	Pyrite	Fine grained	Scattered grains	0.3	
			VG: No				
45.11	46.33	1:	BB NC	-	-	-	DMBW
			VG: No				
54.61	55	1:	Pyrite	Fine grained	Scattered grains	0.3	
			VG: No				
72.85	73.73	1:	BB NC	-	-	-	DMBW
			VG: No				
73.5	73.7	1:	Pyrite	Fine grained	Scattered grains	0.3	
			VG: No				
75.1	75.2	1:	Pyrite	Fine grained	Scattered grains	0.3	
			VG: No				

Structures

From	To	Code	Structure Type	Comments
56	61	FOL	Foliation	Local mod-strong foliation

Veins

From	To	#	Vein Type	Style	%	Core Angle °	Thickness (cm)	Comments
45	48	1:	Quartz-Fe-carbonate	Stockwork Veins			3.7	
48	51	1:	Quartz-Fe-carbonate	Stockwork Veins			1.7	
51	54	1:	Quartz-Fe-carbonate	Stockwork Veins			2.3	
54	57	1:	Quartz-Fe-carbonate	Stockwork Veins			2.1	
57	60	1:	Quartz-Fe-carbonate	Stockwork Veins			1.4	

DataSet: Jellicoe

Hole Length (m): 76.35

HoleID: M-11

Log Length (m): 76.2

meters

From	To	Width	%	Lith Code	Rocktype	Texture	GrainSize	Logged By	
Veins									
From	To	#	Vein Type		Style	%	Core Angle °	Thickness (cm)	Comments
60	63	1:	Quartz-Fe-carbonate		Stockwork Veins			0.9	
63	66	1:	Quartz-Fe-carbonate		Stockwork Veins			9.3	
66	69	1:	Quartz-Fe-carbonate		Stockwork Veins			4.1	
69	72	1:	Quartz-Fe-carbonate		Stockwork Veins			2.2	
72	75	1:	Quartz-Fe-carbonate		Stockwork Veins			3	

Downhole Samples
and Assay Results



DataSet: Jellicoe

Hole Length (m): 76.35

Primary Assay Samples: 58 89.23 %

HoleID: M-11

Max Samp Depth (m): 76.35

Field Duplicate Samples: 2 3.08 %

Standard/Blank Samples: 5 7.69 %

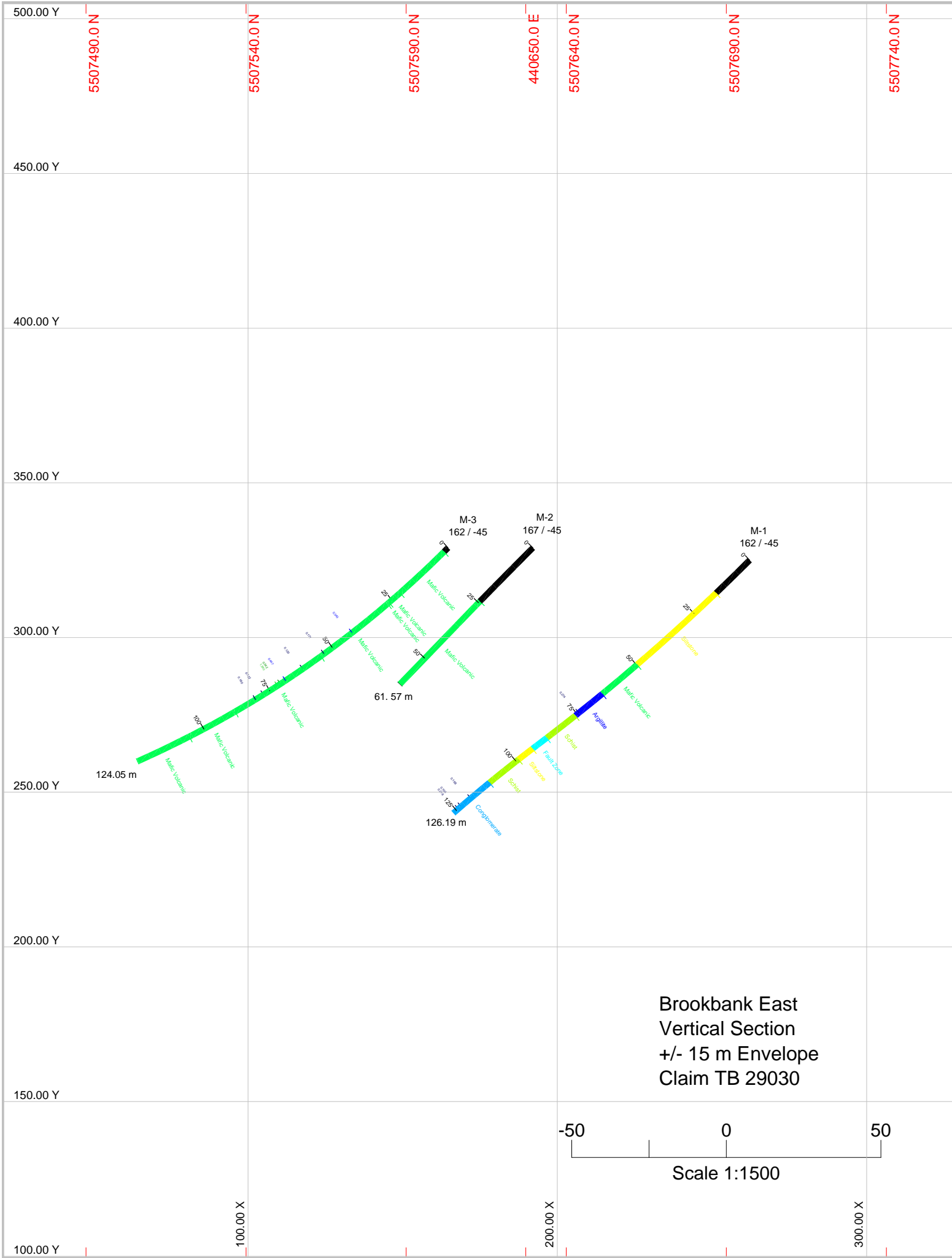
Total meters Sampled: 74.82

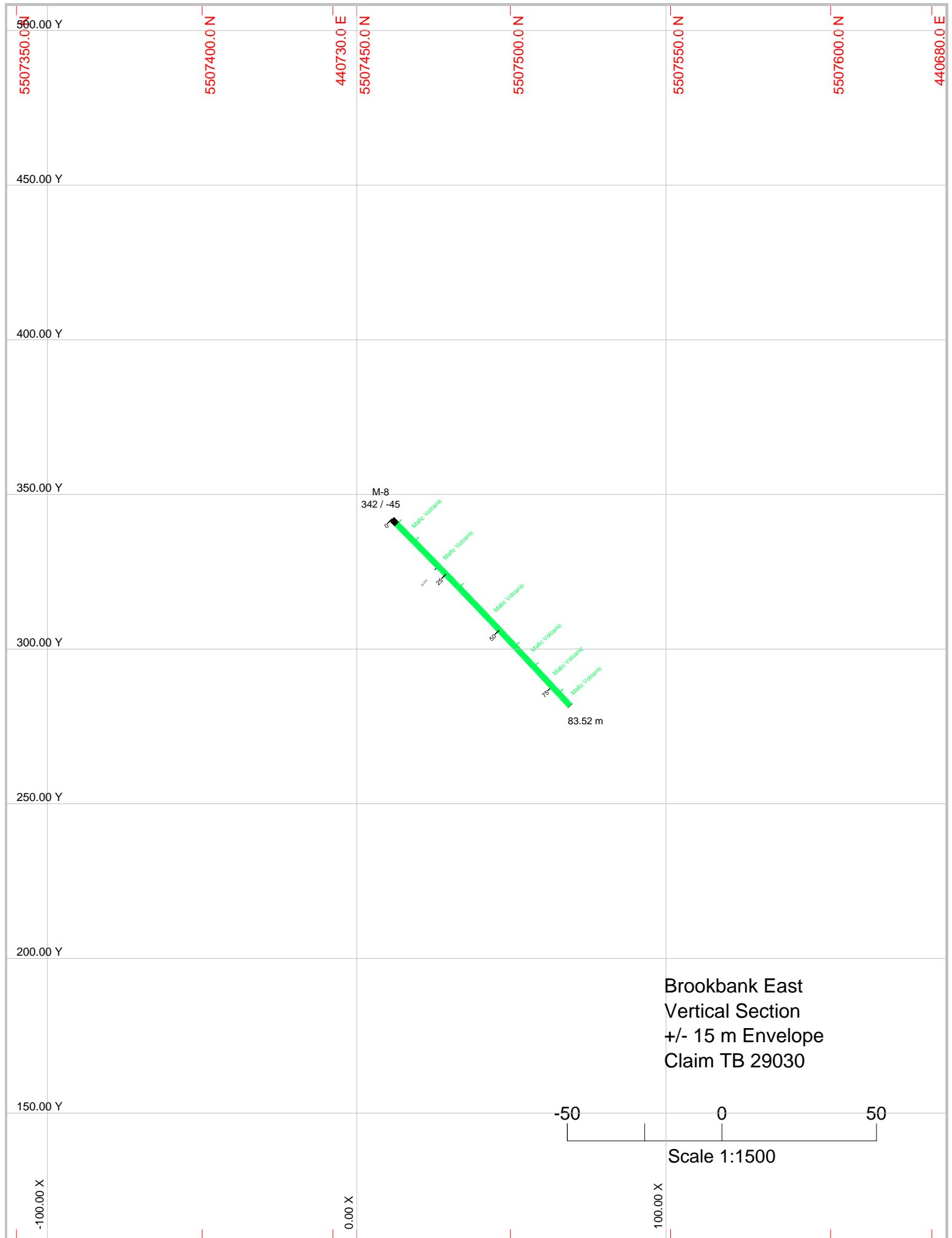
Total Samples: 65

<i>meters</i>			SampleID	Type	Original SampleID	StandardID	Batch #	Au (g/t)	Comments
From	To	Width							
2.23	2.65	0.42	178559	CORE			A16-09326	<0.005	
3.25	4.55	1.3	178560	CORE			A16-09326	<0.005	
4.55	6	1.45	178561	CORE			A16-09326	<0.005	
6	7.5	1.5	178562	CORE			A16-09326	<0.005	
7.5	8.6	1.1	178563	CORE			A16-09326	0.005	
8.6	9.5	0.9	178564	CORE			A16-09326	0.005	Quarter
		0	178565	DUP	178564		A16-09326	0.005	
9.5	11	1.5	178566	CORE			A16-09326	<0.005	
11	12.5	1.5	178567	CORE			A16-09326	0.005	
12.5	14	1.5	178568	CORE			A16-09326	<0.005	
14	15.5	1.5	178569	CORE			A16-09389	<0.005	
15.5	16.77	1.27	178570	CORE			A16-09389	<0.005	
16.97	18.4	1.43	178571	CORE			A16-09389	<0.005	
18.4	19.8	1.4	178572	CORE			A16-09389	0.015	
19.8	21.3	1.5	178573	CORE			A16-09389	<0.005	
		0	178574	STD		CDN_GS_5K	A16-09389	3.44	
21.3	22.8	1.5	178575	CORE			A16-09391	<0.005	
22.8	24.3	1.5	178576	CORE			A16-09391	0.048	
24.3	25.7	1.4	178577	CORE			A16-09391	<0.005	
25.7	27	1.3	178578	CORE			A16-09391	<0.005	
27	28	1	178579	CORE			A16-09391	0.005	
28	29.5	1.5	178580	CORE			A16-09391	0.005	
29.5	31	1.5	178581	CORE			A16-09391	0.005	
		0	178582	Blank		Blank	A16-09391	<0.005	
31	32.5	1.5	178583	CORE			A16-09391	<0.005	
32.5	34	1.5	178584	CORE			A16-09391	<0.005	
34	35.5	1.5	178585	CORE			A16-09391	<0.005	
35.5	37	1.5	178586	CORE			A16-09391	<0.005	
37	38.5	1.5	178587	CORE			A16-09391	<0.005	

38.5	40	1.5	178588	CORE		A16-09391	0.016	
40	41.5	1.5	178589	CORE		A16-09391	0.008	
		0	178590	STD	CDN_GS_P4B	A16-09391	0.429	
41.5	42.4	0.9	178591	CORE		A16-09391	<0.005	
42.4	43.49	1.09	178592	CORE		A16-09391	0.006	
43.49	44.3	0.81	178593	CORE		A16-09391	<0.005	
44.3	45.11	0.81	178594	CORE		A16-09391	<0.005	
46.33	47.5	1.17	178595	CORE		A16-09391	<0.005	
47.5	49	1.5	178596	CORE		A16-09391	<0.005	
49	50	1	178597	CORE		A16-09391	<0.005	
50	51.2	1.2	178598	CORE		A16-09391	<0.005	Quarter
		0	178599	DUP	178598	A16-09391	<0.005	
51.2	52.42	1.22	178600	CORE		A16-09391	<0.005	
52.52	53.8	1.28	178601	CORE		A16-09391	<0.005	
53.8	55.5	1.7	178602	CORE		A16-09391	<0.005	
55.5	57	1.5	178603	CORE		A16-09391	<0.005	
57	58.5	1.5	178604	CORE		A16-09391	<0.005	
58.5	60	1.5	178605	CORE		A16-09391	<0.005	
60	61.5	1.5	178606	CORE		A16-09391	<0.005	
61.5	62.6	1.1	178607	CORE		A16-09391	<0.005	
		0	178608	STD	CDN_GS_5K	A16-09391	3.7	
62.7	64.2	1.5	178609	CORE		A16-09455	0.017	
64.2	65.6	1.4	178610	CORE		A16-09455	0.009	
65.6	67	1.4	178611	CORE		A16-09455	0.008	
67	68.3	1.3	178612	CORE		A16-09455	0.008	
68.3	69.2	0.9	178613	CORE		A16-09455	0.008	
69.2	70.2	1	178614	CORE		A16-09455	0.008	
70.5	71.65	1.15	178615	CORE		A16-09455	0.007	
		0	178616	Blank	Blank	A16-09455	0.008	
71.65	72.75	1.1	178617	CORE		A16-09455	0.008	
73.73	75	1.27	178618	CORE		A16-09455	0.008	
75	76.35	1.35	178619	CORE		A16-09455	0.011	
45.11	46.33	1.22	BB_576	CORE		1182_GEM	0	DMBW
45.11	46.33	1.22	BB_576	CORE		1182_GEM	0	DMBW
72.85	73.73	0.88	BB_577	CORE		1182_GEM	0	DMBW
72.85	73.73	0.88	BB_577	CORE		1182_GEM	0	DMBW

Au Assay result colour coding Au >1 g/t Au <1 and >0.5 g/t Au <0.5 and >0.1 g/t





560.00 Y

450.00 Y

400.00 Y

350.00 Y

300.00 Y

250.00 Y

200.00 Y

150.00 Y

-100.00 X

0.00 X

100.00 X

5507350.0 N

5507400.0 N

440730.0 E

5507450.0 N

5507500.0 N

5507550.0 N

5507600.0 N

440680.0 E

M-8
342 / -45

0

4m

25°

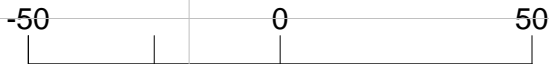
8m

75

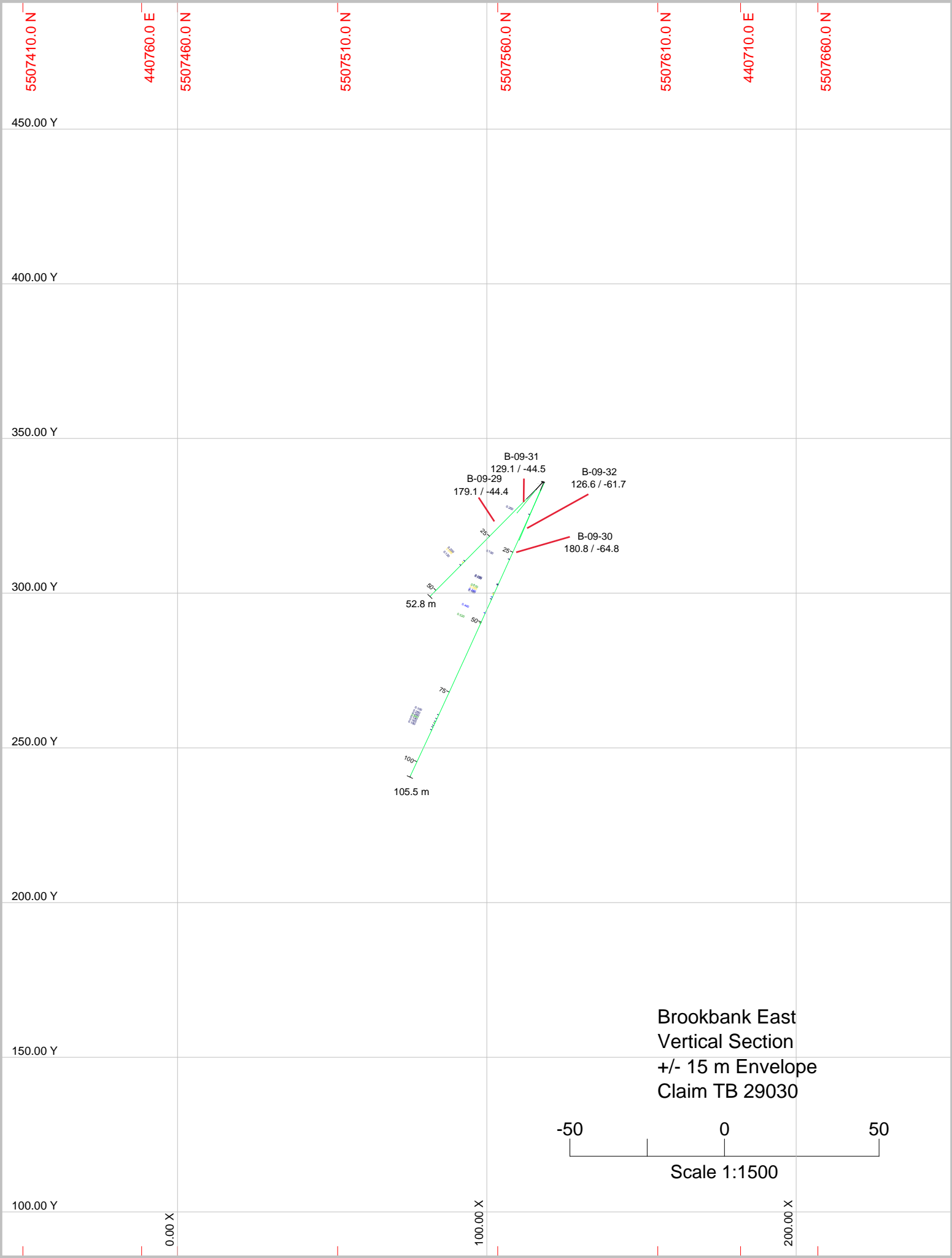
83.52 m

Mallo Volcanic
Mallo Volcanic
Mallo Volcanic
Mallo Volcanic
Mallo Volcanic
Mallo Volcanic

Brookbank East
Vertical Section
+/- 15 m Envelope
Claim TB 29030



Scale 1:1500



5507420.0 N

440790.0 E

5507470.0 N

5507520.0 N

5507570.0 N

5507620.0 N

440740.0 E

5507670.0 N

450.00 Y

400.00 Y

350.00 Y

300.00 Y

250.00 Y

200.00 Y

150.00 Y

100.00 Y

0.00 X

100.00 X

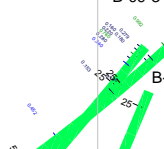
200.00 X

M-7
342 / -45

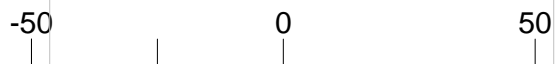
M-4
162 / -45

B-09-31

B-09-32



Brookbank East
Vertical Section
+/- 15 m Envelope
Claim TB 29030



Scale 1:1500

400.00 Y

350.00 Y

300.00 Y

250.00 Y

200.00 Y

150.00 Y

100.00 Y

50.00 Y

-100.00 X

0.00 X

100.00 X

5507380.0 N

5507430.0 N

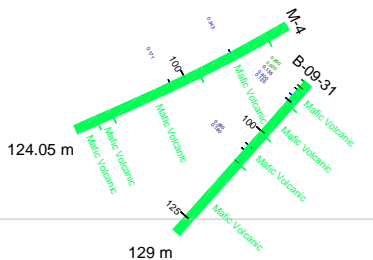
5507480.0 N

440810.0 E

5507530.0 N

5507580.0 N

5507630.0 N



Brookbank East
 Vertical Section
 +/- 15 m Envelope
 Claim TB29030



Scale 1:1500

400.00 Y

350.00 Y

300.00 Y

250.00 Y

200.00 Y

150.00 Y

100.00 Y

50.00 Y

5507430.0 N

5507480.0 N

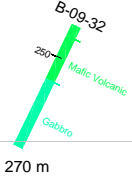
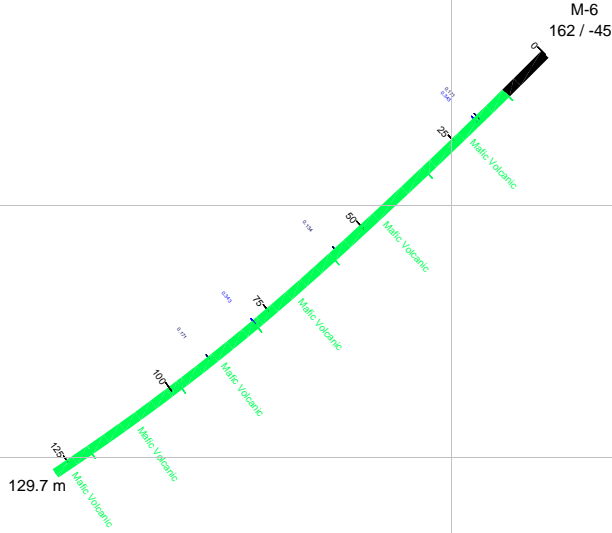
440810.0 E

5507530.0 N

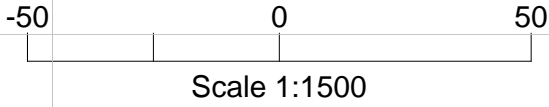
5507580.0 N

5507630.0 N

5507680.0 N



Brookbank East
Vertical Section
+/- 15 m Envelope
Claim TB 29030



0.00 X

100.00 X

200.00 X

500.00 Y

450.00 Y

400.00 Y

350.00 Y

300.00 Y

250.00 Y

200.00 Y

150.00 Y

5507460.0 N

5507510.0 N
440930.0 E

5507560.0 N

5507610.0 N

5507660.0 N

440880.0 E

5507710.0 N

0.00 X

100.00 X

200.00 X

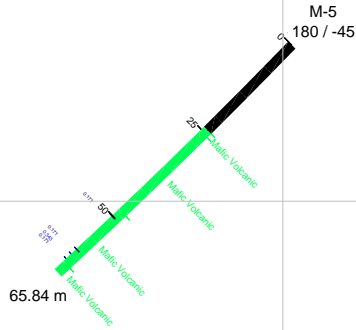
-50

0

50

Brookbank East
Vertical Section
+/- 15 m Envelope
Claim TB 29029

Scale 1:1500



5507510.0 N
440930.0 E

5507560.0 N

5507610.0 N

5507660.0 N

440880.0 E

5507710.0 N

450.00 Y

400.00 Y

350.00 Y

300.00 Y

250.00 Y

200.00 Y

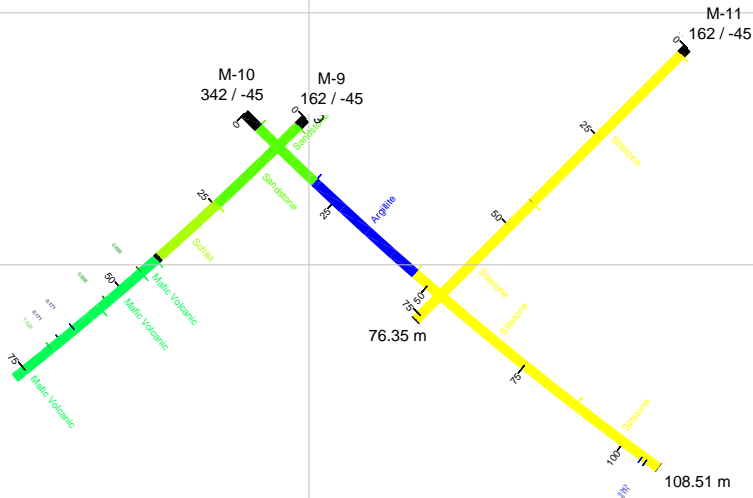
150.00 Y

100.00 Y

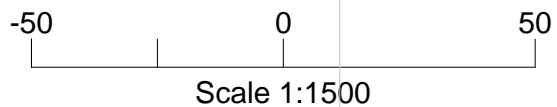
0.00 X

100.00 X

200.00 X



Brookbank East
Vertical Section
+/- 15 m Envelope
Claim TB 29029



450.00 Y

400.00 Y

350.00 Y

300.00 Y

250.00 Y

200.00 Y

150.00 Y

100.00 Y

5507410.0 N

5507460.0 N

5507510.0 N
440930.0 E

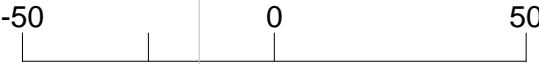
5507560.0 N

5507610.0 N

5507660.0 N



Brookbank East
Vertical Section
+/- 15 m Envelope
Claim TB 29029



Scale 1:1500

-100.00 X

0.00 X

100.00 X



Date Submitted: 12-Aug-16
Invoice No.: A16-08029
Invoice Date: 02-Sep-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1E3-Tbay Aqua Regia ICP(AQUAGEO)

Code 1F2-Tbay Total Digestion ICP(TOTAL)

REPORT **A16-08029**

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

Notes:

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

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

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized and written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 12-Aug-16
Invoice No.: A16-08029
Invoice Date: 02-Sep-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08029**

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

Notes:

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

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



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

CERTIFIED BY:

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

Emmanuel Esemé , Ph.D.
Quality Control

Results

Activation Laboratories Ltd.

Report: A16-08029

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
177551	6	< 0.2	< 0.5	98	1070	< 1	35	< 2	57	2.81	< 2	< 10	16	< 0.5	< 2	4.83	36	58	5.95	< 10	< 1	0.03	< 10
177552	16	< 0.2	< 0.5	82	1100	1	35	5	61	2.41	< 2	< 10	49	< 0.5	< 2	5.54	38	56	6.42	< 10	< 1	0.04	< 10
177553	3410	0.8	< 0.5	63	566	8	24	14	72	1.99	8	< 10	221	< 0.5	< 2	1.36	10	43	4.21	< 10	< 1	0.18	< 10
177554	21	< 0.2	< 0.5	108	1120	< 1	37	< 2	66	2.50	< 2	< 10	25	< 0.5	< 2	5.10	37	60	6.56	< 10	< 1	0.04	< 10
177555	8	< 0.2	< 0.5	105	1010	< 1	32	< 2	79	2.81	< 2	< 10	26	< 0.5	< 2	4.15	35	57	6.90	10	< 1	0.17	< 10
177556	8	< 0.2	< 0.5	94	909	< 1	35	3	76	2.62	< 2	< 10	25	< 0.5	< 2	3.78	36	53	6.86	10	< 1	0.18	< 10
177557	6	< 0.2	< 0.5	94	1070	< 1	34	< 2	59	3.17	< 2	< 10	14	< 0.5	< 2	5.32	34	59	6.29	10	< 1	0.06	< 10
177558	6	< 0.2	< 0.5	100	1090	2	36	< 2	61	2.30	< 2	< 10	17	< 0.5	< 2	5.16	35	57	6.54	10	< 1	0.07	< 10
177559	10	< 0.2	< 0.5	109	1030	< 1	36	< 2	60	2.18	< 2	< 10	16	< 0.5	< 2	4.57	37	57	6.45	< 10	< 1	0.05	< 10
177560	5	< 0.2	< 0.5	75	1010	< 1	36	3	60	2.38	< 2	< 10	21	< 0.5	< 2	5.81	33	55	6.29	10	< 1	0.07	< 10
177561	< 5	< 0.2	< 0.5	118	711	1	24	< 2	44	1.89	< 2	< 10	23	< 0.5	< 2	3.48	28	46	4.93	< 10	< 1	0.03	< 10
177562	< 5	< 0.2	< 0.5	< 1	266	< 1	2	4	10	0.04	< 2	36	96	< 0.5	< 2	13.0	< 1	< 1	0.06	< 10	< 1	0.02	< 10
177563	60	< 0.2	< 0.5	86	897	2	32	8	51	2.62	< 2	< 10	26	< 0.5	< 2	5.16	35	50	5.55	< 10	< 1	0.03	< 10
177564	16	< 0.2	< 0.5	100	1050	< 1	32	< 2	62	3.04	< 2	< 10	15	< 0.5	< 2	5.09	35	58	6.20	< 10	1	0.03	< 10
177565	13	< 0.2	< 0.5	82	1010	2	36	< 2	61	3.12	< 2	< 10	20	< 0.5	< 2	5.17	35	57	6.45	< 10	< 1	0.03	< 10
177566	9	< 0.2	< 0.5	76	738	1	24	< 2	38	2.15	< 2	< 10	21	< 0.5	< 2	5.38	28	46	4.77	< 10	< 1	0.02	< 10
177567	6	< 0.2	< 0.5	98	1040	< 1	39	< 2	63	3.10	< 2	< 10	16	< 0.5	< 2	3.93	38	62	6.83	10	< 1	0.05	< 10
177568	< 5	< 0.2	< 0.5	94	840	< 1	28	< 2	48	2.25	< 2	< 10	17	< 0.5	< 2	4.13	32	53	5.62	< 10	< 1	0.04	< 10
177569	< 5	< 0.2	< 0.5	98	789	< 1	18	3	32	1.96	< 2	< 10	16	< 0.5	< 2	7.29	29	41	4.69	< 10	< 1	0.03	< 10
177570	> 5000	0.9	< 0.5	57	456	785	21	7	49	1.42	11	< 10	63	< 0.5	< 2	0.98	7	33	3.62	< 10	2	0.18	< 10
177571	12	< 0.2	< 0.5	106	1060	1	36	< 2	69	3.51	< 2	< 10	20	< 0.5	< 2	3.59	37	63	6.65	10	< 1	0.03	< 10
177572	8	< 0.2	< 0.5	93	1100	< 1	36	< 2	62	3.57	< 2	< 10	15	< 0.5	< 2	3.49	35	63	6.36	< 10	< 1	0.04	< 10
177573	14	< 0.2	< 0.5	95	839	< 1	31	< 2	53	3.52	3	< 10	14	< 0.5	< 2	2.59	35	62	5.97	10	< 1	0.06	< 10
177574	10	< 0.2	< 0.5	98	834	< 1	34	< 2	54	3.56	4	< 10	15	< 0.5	< 2	2.83	35	61	5.93	< 10	< 1	0.06	< 10
177575	8	< 0.2	< 0.5	97	869	< 1	32	< 2	58	3.64	< 2	< 10	16	< 0.5	< 2	2.48	36	63	6.05	< 10	< 1	0.06	< 10
177576	37	< 0.2	< 0.5	97	784	< 1	36	< 2	49	3.04	5	< 10	13	< 0.5	< 2	4.03	33	54	5.09	< 10	< 1	0.05	< 10
177577	7	< 0.2	< 0.5	104	943	< 1	35	< 2	61	3.33	< 2	< 10	14	< 0.5	< 2	4.21	36	60	6.15	< 10	< 1	0.06	< 10
177578	6	< 0.2	< 0.5	101	955	< 1	35	< 2	61	3.37	< 2	< 10	15	< 0.5	< 2	4.24	36	61	6.03	< 10	< 1	0.06	< 10
177579	6	< 0.2	< 0.5	94	1060	< 1	38	2	61	3.74	< 2	< 10	13	< 0.5	< 2	4.54	37	61	6.47	< 10	< 1	0.04	< 10
177580	7	< 0.2	< 0.5	92	896	< 1	37	< 2	70	4.08	< 2	< 10	17	< 0.5	< 2	1.91	40	69	6.92	10	< 1	0.08	< 10
177581	10	< 0.2	< 0.5	99	782	< 1	31	< 2	56	3.31	< 2	< 10	16	< 0.5	< 2	2.52	34	63	5.50	< 10	< 1	0.07	< 10
177582	< 5	< 0.2	< 0.5	97	890	< 1	26	< 2	46	3.02	< 2	10	17	< 0.5	< 2	4.75	31	54	4.96	< 10	< 1	0.02	< 10
177583	< 5	< 0.2	< 0.5	101	1000	< 1	39	< 2	54	3.00	3	< 10	18	< 0.5	< 2	3.77	37	61	5.62	< 10	< 1	0.03	< 10
177584	35	< 0.2	< 0.5	85	880	< 1	26	< 2	52	2.61	< 2	15	18	< 0.5	< 2	5.03	32	52	5.68	< 10	< 1	0.05	< 10

Results

Activation Laboratories Ltd.

Report: A16-08029

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Ag	Al	As	Ba	Be	Bi	Ca
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.3	0.01	3	7	1	2	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
177551	1.93	0.066	0.027	0.34	< 2	14	104	0.39	< 20	5	4	< 10	147	< 10	10	18	< 0.3	6.82	6	116	< 1	< 2	7.16
177552	2.11	0.053	0.025	0.67	< 2	14	101	0.35	< 20	2	< 2	< 10	150	< 10	10	17	< 0.3	6.56	< 3	112	< 1	< 2	7.63
177553	0.94	0.138	0.062	0.06	7	8	59	0.21	< 20	< 1	4	< 10	89	< 10	9	9	0.6	6.46	11	534	< 1	< 2	2.76
177554	2.33	0.064	0.026	0.33	< 2	16	68	0.37	< 20	< 1	< 2	< 10	166	< 10	10	17	< 0.3	6.67	< 3	79	< 1	< 2	6.63
177555	2.83	0.065	0.027	0.33	< 2	11	63	0.37	< 20	3	< 2	< 10	160	< 10	12	17	< 0.3	6.74	< 3	98	< 1	< 2	5.58
177556	2.62	0.071	0.028	0.61	< 2	12	59	0.38	< 20	< 1	< 2	< 10	163	< 10	13	22	< 0.3	6.73	< 3	104	< 1	< 2	5.20
177557	2.63	0.049	0.026	0.18	< 2	14	106	0.37	< 20	3	< 2	< 10	153	< 10	10	18	< 0.3	6.59	< 3	80	< 1	5	7.45
177558	2.07	0.072	0.027	0.43	< 2	13	77	0.36	< 20	3	< 2	< 10	159	< 10	11	17	0.3	6.50	4	95	< 1	< 2	6.84
177559	1.97	0.089	0.026	0.37	< 2	13	68	0.38	< 20	< 1	< 2	< 10	165	< 10	10	17	< 0.3	6.75	< 3	81	< 1	< 2	6.21
177560	2.18	0.064	0.024	0.46	< 2	17	71	0.33	< 20	2	< 2	< 10	161	< 10	11	17	< 0.3	3.58	< 3	91	< 1	< 2	6.88
177561	1.37	0.093	0.027	0.30	< 2	10	72	0.41	< 20	7	< 2	< 10	129	< 10	10	18	< 0.3	6.74	< 3	69	< 1	< 2	6.29
177562	8.48	0.017	0.002	0.01	< 2	< 1	121	< 0.01	< 20	2	4	< 10	1	< 10	< 1	< 1	< 0.3	0.07	< 3	91	< 1	< 2	15.8
177563	1.79	0.053	0.025	0.78	< 2	12	94	0.35	< 20	< 1	< 2	< 10	124	< 10	9	16	< 0.3	6.27	< 3	59	< 1	< 2	8.22
177564	2.45	0.054	0.027	0.27	< 2	13	81	0.36	< 20	1	2	< 10	153	< 10	9	14	< 0.3	6.66	< 3	65	< 1	< 2	7.67
177565	2.64	0.050	0.026	0.20	< 2	16	67	0.34	< 20	1	< 2	< 10	154	< 10	10	12	< 0.3	6.59	< 3	74	< 1	< 2	7.35
177566	1.31	0.067	0.026	0.30	< 2	10	73	0.37	< 20	1	3	< 10	127	< 10	9	15	< 0.3	6.89	< 3	71	< 1	< 2	8.80
177567	2.82	0.064	0.028	0.28	< 2	18	62	0.37	< 20	5	< 2	< 10	160	< 10	11	14	< 0.3	6.91	< 3	70	< 1	< 2	5.91
177568	1.72	0.096	0.027	0.27	< 2	10	73	0.37	< 20	6	< 2	< 10	136	< 10	11	16	< 0.3	6.71	5	97	< 1	< 2	6.64
177569	1.22	0.074	0.026	0.54	< 2	13	90	0.34	< 20	1	< 2	< 10	123	< 10	10	14	< 0.3	6.11	< 3	66	< 1	< 2	9.91
177570	0.61	0.099	0.050	0.82	21	5	54	0.14	< 20	3	2	< 10	70	< 10	8	12	0.7	4.18	8	984	< 1	< 2	1.50
177571	3.06	0.058	0.030	0.09	< 2	13	68	0.40	< 20	2	< 2	< 10	156	< 10	10	14	< 0.3	6.91	< 3	94	< 1	< 2	5.96
177572	2.86	0.060	0.028	0.14	< 2	12	79	0.37	< 20	4	< 2	< 10	141	< 10	9	11	< 0.3	7.07	< 3	83	< 1	< 2	6.36
177573	2.99	0.067	0.027	0.07	< 2	12	81	0.37	< 20	7	< 2	< 10	143	< 10	10	9	< 0.3	6.99	< 3	91	< 1	< 2	5.54
177574	3.14	0.060	0.028	0.22	< 2	11	77	0.38	< 20	7	< 2	< 10	141	< 10	10	11	< 0.3	7.04	< 3	81	< 1	< 2	5.86
177575	3.10	0.063	0.028	0.11	< 2	12	77	0.39	< 20	2	< 2	< 10	145	< 10	10	11	< 0.3	7.14	< 3	77	< 1	< 2	5.63
177576	2.31	0.059	0.027	0.33	< 2	9	115	0.36	< 20	< 1	< 2	< 10	125	< 10	10	12	< 0.3	6.87	< 3	52	< 1	< 2	7.61
177577	2.79	0.070	0.028	0.38	< 2	10	77	0.37	< 20	< 1	< 2	< 10	140	< 10	10	13	< 0.3	6.86	< 3	51	< 1	< 2	6.85
177578	2.79	0.068	0.029	0.35	< 2	11	81	0.37	< 20	2	2	< 10	145	< 10	10	12	0.3	6.79	5	51	< 1	< 2	6.85
177579	3.12	0.048	0.028	0.10	< 2	13	81	0.35	< 20	4	< 2	< 10	144	< 10	11	10	< 0.3	6.82	< 3	45	< 1	< 2	6.99
177580	4.01	0.058	0.032	0.07	< 2	14	59	0.40	< 20	4	< 2	< 10	158	< 10	12	11	0.4	3.39	< 3	71	< 1	< 2	3.93
177581	2.93	0.064	0.029	0.10	< 2	10	89	0.37	< 20	5	< 2	< 10	135	< 10	10	10	< 0.3	6.47	3	74	< 1	< 2	5.70
177582	1.42	0.063	0.027	0.16	< 2	13	123	0.39	< 20	< 1	< 2	< 10	121	< 10	8	16	< 0.3	7.20	< 3	63	< 1	4	8.84
177583	1.78	0.082	0.028	0.13	< 2	13	95	0.40	< 20	< 1	< 2	< 10	137	< 10	9	16	< 0.3	7.26	3	92	< 1	5	6.98
177584	2.09	0.070	0.027	0.63	< 2	8	62	0.36	< 20	< 1	< 2	< 10	124	< 10	9	15	< 0.3	6.31	< 3	138	< 1	< 2	7.84

Results

Activation Laboratories Ltd.

Report: A16-08029

Analyte Symbol	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl
Unit Symbol	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
Lower Limit	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5	0.01	4	1	2	0.01	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
177551	< 0.3	44	74	96	7.36	16	2	0.50	2.40	11	1390	< 1	2.14	55	0.028	10	< 5	0.33	33	201	< 2	0.41	< 5
177552	< 0.3	44	76	84	7.50	16	1	0.54	2.41	14	1360	< 1	2.19	53	0.027	4	< 5	0.72	31	217	18	0.43	< 5
177553	< 0.3	14	63	66	4.80	14	< 1	0.87	1.34	15	769	3	2.19	42	0.059	14	< 5	0.06	15	259	< 2	0.30	< 5
177554	< 0.3	45	69	113	7.38	15	< 1	0.52	2.59	16	1330	< 1	2.64	58	0.028	7	< 5	0.36	34	154	< 2	0.42	< 5
177555	< 0.3	43	73	109	7.90	17	1	0.95	3.42	18	1280	< 1	2.33	54	0.029	< 3	< 5	0.35	33	131	< 2	0.40	< 5
177556	< 0.3	44	86	98	7.86	16	1	1.11	3.35	17	1230	< 1	2.34	54	0.031	3	< 5	0.67	33	121	10	0.46	< 5
177557	< 0.3	42	74	100	7.60	13	< 1	0.81	3.07	16	1340	< 1	1.49	56	0.028	11	< 5	0.20	31	193	13	0.44	< 5
177558	< 0.3	43	74	106	7.45	16	< 1	1.04	2.58	14	1400	< 1	2.33	55	0.028	< 3	< 5	0.44	32	140	19	0.44	< 5
177559	< 0.3	44	83	111	7.44	15	1	0.86	2.49	12	1340	< 1	2.85	56	0.028	6	< 5	0.37	32	129	3	0.46	< 5
177560	< 0.3	40	82	74	6.61	15	< 1	0.95	2.08	12	1260	< 1	2.06	54	0.024	< 3	< 5	0.45	6	111	12	0.39	< 5
177561	< 0.3	44	81	118	7.64	14	< 1	0.59	2.76	7	1320	< 1	2.91	57	0.029	5	< 5	0.29	33	123	< 2	0.46	< 5
177562	< 0.3	< 1	3	2	0.08	3	< 1	0.03	10.3	13	312	< 1	0.03	< 1	0.003	3	< 5	< 0.01	< 4	133	< 2	< 0.01	< 5
177563	< 0.3	46	70	87	7.40	15	< 1	0.45	2.61	11	1310	< 1	1.50	55	0.024	11	< 5	0.78	31	153	< 2	0.30	< 5
177564	< 0.3	44	60	111	7.76	15	1	0.52	3.08	15	1370	< 1	1.65	57	0.028	4	< 5	0.29	33	151	3	0.28	< 5
177565	< 0.3	42	58	83	7.63	15	< 1	0.47	3.03	16	1270	< 1	1.64	55	0.025	< 3	< 5	0.21	31	116	4	0.19	< 5
177566	0.4	44	68	75	7.26	17	< 1	0.44	2.39	7	1240	< 1	2.27	54	0.026	4	< 5	0.30	32	124	< 2	0.27	< 5
177567	< 0.3	45	66	100	7.83	17	1	0.52	3.11	16	1300	< 1	1.99	60	0.027	6	< 5	0.29	34	121	< 2	0.21	< 5
177568	< 0.3	43	75	97	7.59	15	< 1	0.68	2.89	9	1300	< 1	2.57	57	0.027	4	< 5	0.29	33	129	< 2	0.25	< 5
177569	< 0.3	40	73	99	6.85	14	< 1	0.46	2.33	6	1260	< 1	2.27	52	0.027	4	< 5	0.53	30	139	< 2	0.41	< 5
177570	< 0.3	9	110	55	3.43	12	2	1.35	0.72	23	525	723	1.65	31	0.046	< 3	18	0.78	7	245	8	0.28	< 5
177571	< 0.3	45	94	105	8.12	16	< 1	0.57	3.69	18	1360	< 1	1.52	57	0.031	8	< 5	0.09	34	125	< 2	0.48	< 5
177572	< 0.3	45	78	98	8.39	18	1	0.45	3.79	26	1500	< 1	1.50	63	0.030	9	< 5	0.15	34	163	< 2	0.27	< 5
177573	< 0.3	44	68	100	8.03	15	2	0.55	4.28	27	1210	< 1	1.47	57	0.027	< 3	7	0.07	33	157	< 2	0.25	< 5
177574	< 0.3	45	54	100	8.09	16	2	0.47	4.38	29	1190	< 1	1.48	59	0.028	< 3	< 5	0.23	34	158	< 2	0.17	< 5
177575	< 0.3	48	52	103	8.40	17	< 1	0.45	4.30	31	1270	< 1	1.45	61	0.029	< 3	< 5	0.12	35	158	< 2	0.34	< 5
177576	0.4	42	47	121	7.79	16	2	0.34	3.77	21	1230	< 1	1.52	57	0.028	7	< 5	0.33	33	233	16	0.35	< 5
177577	< 0.3	44	52	98	8.11	14	< 1	0.35	3.66	25	1300	< 1	1.82	56	0.029	< 3	< 5	0.38	37	164	< 2	0.46	< 5
177578	< 0.3	44	54	100	8.14	14	< 1	0.35	3.68	26	1310	< 1	1.81	60	0.029	< 3	< 5	0.36	37	161	14	0.46	< 5
177579	< 0.3	44	68	93	8.08	16	< 1	0.31	3.62	30	1360	< 1	1.35	54	0.026	5	< 5	0.10	36	160	14	0.35	< 5
177580	< 0.3	47	87	84	8.11	13	< 1	0.39	4.08	29	1160	< 1	1.35	58	0.029	10	< 5	0.07	17	105	10	0.45	< 5
177581	< 0.3	45	91	93	7.99	13	< 1	0.49	4.28	24	1170	< 1	1.56	57	0.028	< 3	< 5	0.10	36	174	10	0.45	< 5
177582	< 0.3	43	81	97	7.98	18	< 1	0.22	2.48	10	1500	< 1	1.64	58	0.028	4	< 5	0.15	38	229	< 2	0.23	< 5
177583	< 0.3	48	64	97	8.20	14	< 1	0.34	2.85	12	1530	< 1	2.25	59	0.029	< 3	< 5	0.13	40	192	2	0.26	< 5
177584	< 0.3	41	58	81	7.90	14	< 1	0.57	3.25	14	1360	< 1	1.96	48	0.024	5	< 5	0.61	34	131	12	0.32	< 5

Results

Activation Laboratories Ltd.

Report: A16-08029

Analyte Symbol	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
177551	< 10	212	< 5	20	71	59	
177552	< 10	216	< 5	19	70	65	
177553	< 10	118	< 5	18	83	45	
177554	< 10	215	< 5	20	78	62	
177555	< 10	217	< 5	19	95	63	
177556	< 10	231	< 5	20	94	69	
177557	< 10	218	< 5	19	70	65	
177558	< 10	218	< 5	20	75	65	
177559	< 10	231	< 5	20	73	67	
177560	< 10	211	< 5	11	73	50	
177561	< 10	229	5	20	76	67	
177562	< 10	2	< 5	< 1	12	< 5	
177563	< 10	193	< 5	18	71	53	
177564	< 10	160	< 5	19	77	40	
177565	< 10	135	< 5	18	71	30	
177566	< 10	158	< 5	19	63	38	
177567	< 10	135	< 5	20	75	29	
177568	< 10	140	< 5	19	73	34	
177569	< 10	210	< 5	19	59	59	
177570	< 10	225	14	11	51	69	5.93
177571	< 10	229	< 5	20	81	71	
177572	< 10	169	< 5	20	80	38	
177573	< 10	158	< 5	19	71	37	
177574	< 10	126	< 5	20	72	26	
177575	< 10	179	< 5	20	81	43	
177576	< 10	182	< 5	19	73	48	
177577	< 10	221	< 5	19	79	66	
177578	< 10	220	5	19	79	66	
177579	< 10	190	< 5	19	75	54	
177580	< 10	228	< 5	8	84	51	
177581	< 10	218	< 5	18	75	60	
177582	< 10	149	< 5	21	73	33	
177583	< 10	147	< 5	21	80	35	
177584	< 10	189	< 5	19	75	56	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas		28.0	1.4	1140	811	14	22	633	621	0.38	386	12	541	0.8	1480	0.77	5	5	22.9	< 10	3	0.03	< 10
GXR-1 Cert		31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750	1.22	1380	0.960	8.20	12.0	23.6	13.8	3.90	0.050	7.50
GXR-1 Meas																							
GXR-1 Cert																							
GXR-4 Meas		3.4	< 0.5	6240	142	335	32	42	62	2.79	102	< 10	96	1.3	11	0.93	13	54	3.12	10	< 1	1.72	51
GXR-4 Cert		4.0	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01	14.6	64.0	3.09	20.0	0.110	4.01	64.5
GXR-4 Meas																							
GXR-4 Cert																							
SDC-1 Meas																							
SDC-1 Cert																							
SDC-1 Meas																							
SDC-1 Cert																							
GXR-6 Meas		< 0.2	< 0.5	74	1080	2	16	102	117	7.52	225	< 10	966	0.9	< 2	0.14	13	83	6.15	20	< 1	1.20	11
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas																							
GXR-6 Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
DNC-1a Meas																							
DNC-1a Cert																							
DNC-1a Meas																							
DNC-1a Cert																							
OxP 91 Meas																							
OxP 91 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OxK110 Meas																							
OxK110 Cert																							
SdAR-M2 (U.S.G.S.) Meas																							
SdAR-M2 (U.S.G.S.) Cert																							
SdAR-M2 (U.S.G.S.) Meas																							
SdAR-M2 (U.S.G.S.) Cert																							
SF85 Meas	824																						
SF85 Cert	848																						
177560 Orig	5																						
177560 Dup	5																						
177563 Orig		< 0.2	0.8	86	907	2	34	10	51	2.64	6	< 10	26	< 0.5	< 2	5.20	36	50	5.60	< 10	< 1	0.03	< 10
177563 Dup		< 0.2	< 0.5	85	888	2	29	5	51	2.61	< 2	< 10	26	< 0.5	< 2	5.13	35	49	5.50	< 10	< 1	0.03	< 10
177571 Orig	9																						
177571 Dup	15																						
177577 Orig		< 0.2	< 0.5	104	950	< 1	34	2	61	3.37	< 2	< 10	14	< 0.5	< 2	4.25	36	60	6.26	< 10	< 1	0.06	< 10
177577 Dup		< 0.2	< 0.5	103	935	< 1	35	< 2	61	3.29	4	< 10	14	< 0.5	< 2	4.17	36	60	6.05	< 10	< 1	0.06	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
177580 Orig	6																						
177580 Dup	7																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank																							
Method Blank		< 0.2	< 0.5	2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank																							
Method Blank																							

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Ag	Al	As	Ba	Be	Bi	Ca	
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.3	0.01	3	7	1	2	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	
GXR-1 Meas	0.14	0.047	0.048	0.21	85	1	187	< 0.01	< 20	12	< 2	33	74	141	23	15	31.9	2.50	421	674	1	1390	0.90	
GXR-1 Cert	0.217	0.0520	0.0650	0.257	122	1.58	275	0.036	2.44	13.0	0.390	34.9	80.0	164	32.0	38.0	31.0	3.52	427	750	1.22	1380	0.960	
GXR-1 Meas																	31.4	2.01	430	688	1	1380	0.89	
GXR-1 Cert																	31.0	3.52	427	750	1.22	1380	0.960	
GXR-4 Meas	1.67	0.133	0.131	1.74	3	7	73	0.13	< 20	< 1	3	< 10	77	11	11	10	3.1	6.81	92	324	2	10	1.08	
GXR-4 Cert	1.66	0.564	0.120	1.77	4.80	7.70	221	0.29	22.5	0.970	3.20	6.20	87.0	30.8	14.0	186	4.0	7.20	98.0	1640	1.90	19.0	1.01	
GXR-4 Meas																	3.6	6.67	101	348	2	22	1.09	
GXR-4 Cert																	4.0	7.20	98.0	1640	1.90	19.0	1.01	
SDC-1 Meas																	8.29	< 3	630	3			1.11	
SDC-1 Cert																	8.34	0.220	630	3.00			1.00	
SDC-1 Meas																	7.57	< 3	630	3			1.04	
SDC-1 Cert																	8.34	0.220	630	3.00			1.00	
GXR-6 Meas	0.43	0.073	0.037	0.01	2	22	28		< 20	< 1	< 2	< 10	168	< 10	5	7	0.4	12.8	247	> 1000	1	< 2	0.18	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	1.30	17.7	330	1300	1.40	0.290	0.180	
GXR-6 Meas																	0.5	12.3	271	> 1000	1	< 2	0.16	
GXR-6 Cert																	1.30	17.7	330	1300	1.40	0.290	0.180	
Oreas 72a (4 Acid Digest) Meas																			< 3					
Oreas 72a (4 Acid Digest) Cert																			14.7					
DNC-1a Meas																					88			
DNC-1a Cert																					118			
DNC-1a Meas																					98			
DNC-1a Cert																					118			
OxP 91 Meas																								
OxP 91 Cert																								
SBC-1 Meas																				13	697	3	< 2	
SBC-1 Cert																				25.7	788.0	3.20	0.70	
SBC-1 Meas																				23	785	3	< 2	
SBC-1 Cert																				25.7	788.0	3.20	0.70	
OxK110 Meas																								
OxK110 Cert																								
SdAR-M2 (U.S.G.S.) Meas																					947	8	< 2	
SdAR-M2 (U.S.G.S.) Cert																					990	6.6	1.05	
SdAR-M2 (U.S.G.S.) Meas																					> 1000	8	< 2	
SdAR-M2 (U.S.G.S.) Cert																					990	6.6	1.05	
SF85 Meas																								
SF85 Cert																								
177560 Orig																								
177560 Dup																								
177563 Orig	1.80	0.053	0.025	0.79	4	12	93	0.35	< 20	< 1	3	< 10	123	< 10	9	16	< 0.3	6.27	10	59	< 1	< 2	8.22	
177563 Dup	1.78	0.053	0.025	0.78	< 2	12	94	0.35	< 20	12	< 2	< 10	125	< 10	9	16	< 0.3	6.26	< 3	59	< 1	< 2	8.21	
177571 Orig																								
177571 Dup																								
177577 Orig	2.82	0.070	0.028	0.39	< 2	10	79	0.37	< 20	< 1	< 2	< 10	142	< 10	10	13	< 0.3	6.83	< 3	51	< 1	< 2	6.83	
177577 Dup	2.76	0.070	0.028	0.37	< 2	10	76	0.36	< 20	3	< 2	< 10	138	< 10	10	13	< 0.3	6.88	6	51	< 1	< 2	6.86	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Ag	Al	As	Ba	Be	Bi	Ca
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.3	0.01	3	7	1	2	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
177580 Orig																							
177580 Dup																							
Method Blank																							
Method Blank																							
Method Blank																	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01
Method Blank																	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01
Method Blank																							
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1							
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1							
Method Blank																	< 0.3	0.01	< 3	< 7	< 1	< 2	< 0.01
Method Blank																	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01

Analyte Symbol	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl
Unit Symbol	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
Lower Limit	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5	0.01	4	1	2	0.01	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas	3.2	7	30	1230	24.0	14	7	0.05	0.21	8	899	15	0.05	47	0.060	725	22	0.25	< 4	285	11	0.03	< 5
GXR-1 Cert	3.30	8.20	12.0	1110	23.6	13.8	3.90	0.050	0.217	8.20	852	18.0	0.0520	41.0	0.0650	730	122	0.257	1.58	275	13.0	0.036	0.390
GXR-1 Meas	0.7	7	21	1200	23.6	10	< 1	0.05	0.21	9	871	16	0.05	46	0.058	738	38	0.24	< 4	292	3	0.03	< 5
GXR-1 Cert	3.30	8.20	12.0	1110	23.6	13.8	3.90	0.050	0.217	8.20	852	18.0	0.0520	41.0	0.0650	730	122	0.257	1.58	275	13.0	0.036	0.390
GXR-4 Meas	0.3	15	36	6750	3.03	19	< 1	3.02	1.68	11	152	341	0.54	43	0.131	48	< 5	1.78	8	215	5	0.29	5
GXR-4 Cert	0.860	14.6	64.0	6520	3.09	20.0	0.110	4.01	1.66	11.1	155	310	0.564	42.0	0.120	52.0	4.80	1.77	7.70	221	0.970	0.29	3.20
GXR-4 Meas	< 0.3	16	45	6740	3.08	19	< 1	3.76	1.71	12	179	351	0.56	47	0.131	49	< 5	1.79	8	219	3	0.29	< 5
GXR-4 Cert	0.860	14.6	64.0	6520	3.09	20.0	0.110	4.01	1.66	11.1	155	310	0.564	42.0	0.120	52.0	4.80	1.77	7.70	221	0.970	0.29	3.20
SDC-1 Meas		18	48	31	4.76	23	< 1	1.58	1.00	35	870		1.53	37	0.053	21	< 5		15	175		0.11	< 5
SDC-1 Cert		18.0	64.00	30.000	4.82	21.00	0.20	2.72	1.02	34.00	880.00		1.52	38.0	0.0690	25.00	0.54		17.00	180.00		0.606	0.70
SDC-1 Meas		19	49	27	4.60	24	< 1	1.80	0.97	34	874		1.50	37	0.052	21	< 5		16	167		0.10	< 5
SDC-1 Cert		18.0	64.00	30.000	4.82	21.00	0.20	2.72	1.02	34.00	880.00		1.52	38.0	0.0690	25.00	0.54		17.00	180.00		0.606	0.70
GXR-6 Meas	< 0.3	15	70	74	5.77	32	1	1.32	0.60	34	1090	< 1	0.10	30	0.036	96	< 5	0.02	28	38	< 2		< 5
GXR-6 Cert	1.00	13.8	96.0	66.0	5.58	35.0	0.0680	1.87	0.609	32.0	1010	2.40	0.104	27.0	0.0350	101	3.60	0.0160	27.6	35.0	0.0180		2.20
GXR-6 Meas	< 0.3	16	67	71	5.86	30	< 1	1.40	0.60	34	1080	4	0.10	29	0.036	99	< 5	0.02	26	35	6		< 5
GXR-6 Cert	1.00	13.8	96.0	66.0	5.58	35.0	0.0680	1.87	0.609	32.0	1010	2.40	0.104	27.0	0.0350	101	3.60	0.0160	27.6	35.0	0.0180		2.20
Oreas 72a (4 Acid Digest) Meas		158	192	336	9.24									6740				1.65					
Oreas 72a (4 Acid Digest) Cert		157	228	316	9.63									6930.000				1.74					
DNC-1a Meas		57	229	97		13				3				254		6	< 5		9	123		0.27	
DNC-1a Cert		57.0	270	100.00		15				5.20				247		6.3	0.96		31	144.0		0.29	
DNC-1a Meas		56	202	97		14				5				258		5	< 5		32	130		0.29	
DNC-1a Cert		57.0	270	100.00		15				5.20				247		6.3	0.96		31	144.0		0.29	
OxP 91 Meas																							
OxP 91 Cert																							
SBC-1 Meas	< 0.3	24	91	35		28				164		< 1		87		24	< 5		19	173		0.47	< 5
SBC-1 Cert	0.40	22.7	109	31.0000		27.0				163.0		2.40		82.8		35.0	1.01		20.0	178.0		0.51	0.89
SBC-1 Meas	< 0.3	24	83	27		27				159		2		86		33	< 5		20	174		0.53	< 5
SBC-1 Cert	0.40	22.7	109	31.0000		27.0				163.0		2.40		82.8		35.0	1.01		20.0	178.0		0.51	0.89
OxK110 Meas																							
OxK110 Cert																							
SdAR-M2 (U.S.G.S.) Meas	5.2	15	40	258		18	2			18		14		57		817			4	145			
SdAR-M2 (U.S.G.S.) Cert	5.1	12.4	49.6	236.0000		17.6	1.44			17.9		13.3		48.8		808			4.1	144			
SdAR-M2 (U.S.G.S.) Meas	5.2	15	48	247		20	1			18		12		55		802			4	146			
SdAR-M2 (U.S.G.S.) Cert	5.1	12.4	49.6	236.0000		17.6	1.44			17.9		13.3		48.8		808			4.1	144			
SF85 Meas																							
SF85 Cert																							
177560 Orig																							
177560 Dup																							
177563 Orig	0.4	46	71	87	7.42	13	3	0.45	2.60	11	1340	< 1	1.51	54	0.024	8	< 5	0.77	31	153	< 2	0.31	< 5
177563 Dup	< 0.3	46	69	87	7.37	16	< 1	0.45	2.61	11	1270	< 1	1.48	56	0.024	14	< 5	0.79	31	153	< 2	0.29	< 5
177571 Orig																							
177571 Dup																							
177577 Orig	< 0.3	43	52	96	8.05	13	< 1	0.35	3.64	25	1300	< 1	1.80	56	0.028	< 3	< 5	0.38	37	162	16	0.45	< 5
177577 Dup	< 0.3	44	52	100	8.17	15	< 1	0.35	3.67	25	1290	< 1	1.85	57	0.029	< 3	< 5	0.37	37	165	< 2	0.46	< 5

Analyte Symbol	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl
Unit Symbol	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
Lower Limit	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5	0.01	4	1	2	0.01	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
177580 Orig																							
177580 Dup																							
Method Blank																							
Method Blank																							
Method Blank	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5
Method Blank	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.3	< 1		2	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5
Method Blank	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5

Analyte Symbol	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
GXR-1 Meas	40	87	159	32	718	28	
GXR-1 Cert	34.9	80.0	164	32.0	760	38.0	
GXR-1 Meas	30	88	157	35	737	32	
GXR-1 Cert	34.9	80.0	164	32.0	760	38.0	
GXR-4 Meas	< 10	88	36	16	67	47	
GXR-4 Cert	6.20	87.0	30.8	14.0	73.0	186	
GXR-4 Meas	< 10	88	38	15	71	46	
GXR-4 Cert	6.20	87.0	30.8	14.0	73.0	186	
SDC-1 Meas	< 10	39	< 5		94	34	
SDC-1 Cert	3.10	102.00	0.80		103.00	290.00	
SDC-1 Meas	< 10	38	< 5		95	35	
SDC-1 Cert	3.10	102.00	0.80		103.00	290.00	
GXR-6 Meas	< 10	93	< 5	15	129	68	
GXR-6 Cert	1.54	186	1.90	14.0	118	110	
GXR-6 Meas	< 10	149	< 5	11	129	70	
GXR-6 Cert	1.54	186	1.90	14.0	118	110	
Oreas 72a (4 Acid Digest) Meas							
Oreas 72a (4 Acid Digest) Cert							
DNC-1a Meas		140		12	53	34	
DNC-1a Cert		148.0000		18.0	70.0	38.0	
DNC-1a Meas		139		17	56	36	
DNC-1a Cert		148.0000		18.0	70.0	38.0	
OxP 91 Meas							14.8
OxP 91 Cert							14.82
SBC-1 Meas	< 10	214	< 5	37	170	125	
SBC-1 Cert	5.76	220.0	1.60	36.5	186.0	134.0	
SBC-1 Meas	< 10	213	< 5	32	177	117	
SBC-1 Cert	5.76	220.0	1.60	36.5	186.0	134.0	
OxK110 Meas							3.59
OxK110 Cert							3.602
SdAR-M2 (U.S.G.S.) Meas	< 10	28	11	31	800	137	
SdAR-M2 (U.S.G.S.) Cert	2.53	25.2	2.8	32.7	760	259	
SdAR-M2 (U.S.G.S.) Meas	< 10	26	9	29	780	127	
SdAR-M2 (U.S.G.S.) Cert	2.53	25.2	2.8	32.7	760	259	
SF85 Meas							
SF85 Cert							
177560 Orig							
177560 Dup							
177563 Orig	< 10	195	< 5	18	70	54	
177563 Dup	< 10	191	< 5	18	71	52	
177571 Orig							
177571 Dup							

Analyte Symbol	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
177577 Orig	< 10	220	< 5	19	80	66	
177577 Dup	< 10	222	< 5	19	79	66	
177580 Orig							
177580 Dup							
Method Blank							
Method Blank							
Method Blank	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank							< 0.02
Method Blank							
Method Blank							
Method Blank	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 10	< 2	< 5	< 1	< 1	< 5	



Date Submitted: 12-Aug-16
Invoice No.: A16-08032
Invoice Date: 02-Sep-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08032**

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

Notes:

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

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



CERTIFIED BY:

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke at the end.

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: 12-Aug-16
Invoice No.: A16-08032
Invoice Date: 02-Sep-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1E3-Tbay Aqua Regia ICP(AQUAGEO)

Code 1F2-Tbay Total Digestion ICP(TOTAL)

REPORT **A16-08032**

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Notes:

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

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

CERTIFIED BY:



Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A16-08032

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
177585	7	< 0.2	< 0.5	95	852	< 1	34	< 2	58	3.03	< 2	< 10	22	< 0.5	< 2	2.89	34	60	5.87	< 10	< 1	0.07	< 10
177586	5	< 0.2	< 0.5	100	1050	< 1	35	< 2	60	3.11	< 2	< 10	16	< 0.5	< 2	3.58	37	63	5.97	< 10	< 1	0.04	< 10
177587	3720	0.6	< 0.5	63	565	8	22	16	72	2.03	5	< 10	223	< 0.5	< 2	1.37	10	43	4.29	< 10	< 1	0.19	< 10
177588	5	< 0.2	< 0.5	100	1160	< 1	36	< 2	65	3.25	< 2	< 10	19	< 0.5	< 2	4.39	37	63	6.28	< 10	< 1	0.02	< 10
177589	< 5	< 0.2	< 0.5	98	1070	< 1	35	< 2	63	3.17	5	< 10	30	< 0.5	< 2	3.57	36	64	6.18	10	< 1	0.06	< 10
177590	6	< 0.2	< 0.5	98	1150	< 1	34	< 2	64	3.09	< 2	< 10	31	< 0.5	< 2	4.23	35	64	6.41	< 10	< 1	0.05	< 10
177591	7	< 0.2	< 0.5	83	1140	< 1	39	4	71	2.51	< 2	< 10	104	< 0.5	< 2	4.31	42	66	7.40	10	< 1	0.04	< 10
177592	14	< 0.2	< 0.5	112	1110	1	38	4	62	2.93	< 2	< 10	63	< 0.5	< 2	5.57	39	58	6.50	10	< 1	0.03	< 10
177593	7	< 0.2	< 0.5	102	1110	< 1	33	< 2	66	3.20	< 2	10	21	< 0.5	< 2	4.51	37	61	6.65	< 10	< 1	0.06	< 10
177594	7	< 0.2	< 0.5	91	1100	< 1	34	4	64	2.88	< 2	< 10	18	< 0.5	< 2	3.93	35	62	6.57	10	< 1	0.07	< 10
177595	5	< 0.2	0.5	94	1160	< 1	38	< 2	65	2.71	< 2	< 10	17	< 0.5	< 2	5.16	38	63	7.39	10	< 1	0.06	< 10
177596	< 5	< 0.2	< 0.5	< 1	29	< 1	< 1	< 2	< 2	4.94	2	12	< 10	< 0.5	< 2	0.14	< 1	1	0.19	< 10	< 1	1.38	< 10
177597	7	0.2	< 0.5	100	1150	< 1	39	5	69	2.29	< 2	< 10	21	< 0.5	< 2	6.55	38	63	7.41	10	< 1	0.07	< 10
177598	7	< 0.2	< 0.5	99	1070	1	34	3	64	3.04	< 2	< 10	20	< 0.5	< 2	3.58	37	62	7.16	10	< 1	0.07	< 10
177599	< 5	< 0.2	< 0.5	110	828	< 1	27	3	52	3.20	< 2	< 10	15	< 0.5	< 2	3.39	32	58	5.86	10	< 1	0.05	< 10
177600	5	< 0.2	< 0.5	104	849	< 1	25	< 2	54	3.27	< 2	< 10	17	< 0.5	< 2	2.72	34	62	6.06	< 10	< 1	0.07	< 10
177601	6	< 0.2	< 0.5	101	851	< 1	31	< 2	54	3.00	< 2	< 10	17	< 0.5	< 2	2.82	34	61	5.89	< 10	< 1	0.06	< 10
177602	< 5	< 0.2	< 0.5	96	901	< 1	39	< 2	61	3.23	< 2	< 10	21	< 0.5	< 2	2.88	36	59	6.54	10	< 1	0.06	< 10
177603	< 5	< 0.2	< 0.5	93	966	< 1	40	3	63	3.07	< 2	< 10	17	< 0.5	< 2	3.22	37	59	6.70	10	< 1	0.07	< 10
177604	> 5000	0.6	< 0.5	56	446	769	18	7	47	1.44	10	< 10	45	< 0.5	< 2	0.98	8	33	3.59	< 10	3	0.18	< 10
177605	< 5	< 0.2	< 0.5	103	890	1	30	< 2	55	2.50	8	10	16	< 0.5	< 2	4.19	33	59	5.86	< 10	< 1	0.04	< 10
177606	< 5	< 0.2	< 0.5	124	882	< 1	28	15	50	2.09	< 2	< 10	18	< 0.5	< 2	5.11	33	53	5.96	< 10	< 1	0.05	< 10
177607	6	< 0.2	< 0.5	97	692	2	19	5	38	1.89	< 2	13	14	< 0.5	< 2	4.15	28	42	4.50	< 10	< 1	0.05	< 10
177608	< 5	< 0.2	< 0.5	85	906	< 1	32	3	55	3.29	< 2	18	17	< 0.5	< 2	5.08	33	59	5.83	10	< 1	0.03	< 10
177609	6	< 0.2	< 0.5	99	1010	< 1	33	< 2	58	3.39	< 2	13	18	< 0.5	< 2	4.54	34	60	6.06	< 10	< 1	0.03	< 10
177610	< 5	< 0.2	< 0.5	100	856	< 1	31	8	50	2.93	< 2	< 10	14	< 0.5	2	4.90	31	54	5.36	< 10	< 1	0.03	< 10
177611	< 5	0.6	< 0.5	104	861	< 1	29	34	50	3.04	< 2	< 10	16	< 0.5	< 2	4.95	34	61	5.47	< 10	< 1	0.03	< 10
177612	< 5	< 0.2	< 0.5	104	826	< 1	28	12	45	2.62	< 2	< 10	19	< 0.5	< 2	5.06	33	56	5.18	< 10	< 1	0.05	< 10
177613	< 5	< 0.2	< 0.5	104	823	< 1	30	11	44	2.57	2	< 10	20	< 0.5	< 2	5.06	33	57	5.17	< 10	< 1	0.05	< 10
177614	< 5	< 0.2	< 0.5	100	981	< 1	33	< 2	58	3.36	< 2	< 10	15	< 0.5	< 2	4.12	34	63	5.95	< 10	< 1	0.03	< 10
177615	6	< 0.2	< 0.5	97	1020	< 1	35	4	60	3.51	12	< 10	14	< 0.5	< 2	4.34	35	61	6.19	< 10	< 1	0.02	< 10
177616	5	< 0.2	< 0.5	108	1110	< 1	35	< 2	69	3.89	< 2	< 10	12	< 0.5	< 2	3.44	35	61	6.76	< 10	< 1	0.03	< 10
177617	5	< 0.2	< 0.5	90	1430	< 1	31	< 2	76	3.65	< 2	< 10	16	< 0.5	< 2	3.90	35	56	7.86	< 10	< 1	0.03	< 10
177618	< 5	< 0.2	< 0.5	108	925	2	24	3	49	3.02	< 2	< 10	19	< 0.5	< 2	4.29	27	62	5.17	< 10	< 1	0.02	< 10

Results

Activation Laboratories Ltd.

Report: A16-08032

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Ag	Al	As	Ba	Be	Bi	Ca
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.3	0.01	3	7	1	2	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
177585	2.61	0.056	0.026	0.09	< 2	8	55	0.38	< 20	3	< 2	< 10	126	< 10	9	14	0.3	7.00	< 3	171	< 1	< 2	6.01
177586	2.21	0.060	0.027	0.10	< 2	12	79	0.38	< 20	3	< 2	< 10	143	< 10	10	13	< 0.3	7.10	< 3	122	< 1	< 2	6.59
177587	0.94	0.140	0.062	0.05	7	8	59	0.20	< 20	< 1	< 2	< 10	91	< 10	10	8	0.6	6.24	14	539	< 1	< 2	2.73
177588	2.13	0.063	0.027	0.07	< 2	16	100	0.38	< 20	6	< 2	< 10	154	< 10	10	13	< 0.3	7.07	< 3	94	< 1	3	6.78
177589	2.39	0.068	0.026	0.05	5	13	83	0.38	< 20	2	< 2	< 10	156	< 10	11	14	< 0.3	6.91	< 3	170	< 1	6	5.91
177590	2.32	0.080	0.028	0.07	< 2	15	108	0.39	< 20	2	< 2	< 10	164	< 10	11	16	< 0.3	6.73	< 3	142	< 1	< 2	6.13
177591	2.29	0.090	0.025	0.23	< 2	29	57	0.37	< 20	3	< 2	< 10	190	< 10	12	17	< 0.3	6.97	< 3	173	< 1	< 2	5.23
177592	2.21	0.067	0.026	0.41	< 2	19	85	0.37	< 20	3	< 2	< 10	171	< 10	11	18	0.3	6.68	< 3	127	< 1	< 2	8.02
177593	2.65	0.059	0.026	0.19	< 2	16	88	0.37	< 20	2	< 2	< 10	155	< 10	10	14	< 0.3	6.76	< 3	116	< 1	2	6.83
177594	2.37	0.080	0.027	0.23	3	14	92	0.37	< 20	1	3	< 10	163	< 10	10	14	< 0.3	7.02	7	126	< 1	3	6.13
177595	2.50	0.076	0.028	0.26	3	17	65	0.37	< 20	2	< 2	< 10	175	< 10	10	14	< 0.3	6.76	< 3	104	< 1	< 2	6.49
177596	0.03	2.89	0.001	< 0.01	< 2	< 1	10	< 0.01	< 20	< 1	3	< 10	< 1	< 10	2	< 1	< 0.3	8.67	< 3	< 7	< 1	< 2	0.19
177597	2.48	0.078	0.027	1.21	< 2	26	31	0.34	< 20	3	< 2	< 10	196	< 10	12	15	0.3	6.20	< 3	113	< 1	< 2	7.44
177598	3.27	0.073	0.030	0.32	< 2	12	46	0.37	< 20	1	< 2	< 10	172	< 10	12	11	0.3	6.71	4	94	< 1	< 2	4.93
177599	2.80	0.058	0.031	0.17	< 2	10	88	0.38	< 20	< 1	< 2	< 10	156	< 10	11	11	< 0.3	7.07	< 3	95	< 1	< 2	6.33
177600	2.66	0.060	0.032	0.23	< 2	11	98	0.40	< 20	3	< 2	< 10	159	< 10	12	13	0.3	7.19	< 3	103	< 1	< 2	5.78
177601	2.54	0.067	0.031	0.21	< 2	10	94	0.40	< 20	< 1	< 2	< 10	152	< 10	10	14	< 0.3	7.15	< 3	94	< 1	< 2	5.85
177602	3.23	0.067	0.030	0.25	2	11	74	0.38	< 20	< 1	< 2	< 10	158	< 10	11	12	< 0.3	3.68	< 3	79	< 1	< 2	4.61
177603	3.15	0.077	0.030	0.17	< 2	12	42	0.38	< 20	3	< 2	< 10	169	< 10	12	12	< 0.3	6.95	< 3	95	< 1	< 2	4.84
177604	0.60	0.102	0.049	0.79	19	5	55	0.14	< 20	6	< 2	< 10	73	< 10	8	12	0.8	5.82	12	471	< 1	< 2	1.75
177605	1.77	0.113	0.028	0.24	6	13	78	0.39	< 20	4	3	< 10	152	< 10	11	14	< 0.3	7.19	< 3	63	< 1	< 2	6.46
177606	1.51	0.097	0.026	0.66	< 2	13	73	0.38	< 20	< 1	< 2	< 10	147	< 10	10	16	< 0.3	6.77	< 3	98	< 1	< 2	7.66
177607	1.17	0.112	0.028	0.45	< 2	9	59	0.39	< 20	9	< 2	< 10	117	< 10	10	18	< 0.3	6.78	< 3	66	< 1	< 2	7.23
177608	1.87	0.060	0.026	0.09	< 2	14	70	0.37	< 20	2	3	< 10	140	< 10	9	14	< 0.3	7.10	< 3	43	< 1	< 2	8.12
177609	1.94	0.063	0.026	0.08	< 2	15	87	0.39	< 20	4	< 2	< 10	142	< 10	9	13	< 0.3	7.28	< 3	64	< 1	< 2	7.56
177610	1.61	0.062	0.026	0.32	< 2	12	94	0.38	< 20	12	< 2	< 10	130	< 10	9	13	0.5	7.08	< 3	66	< 1	< 2	8.48
177611	1.65	0.062	0.027	0.36	< 2	13	104	0.38	< 20	< 1	< 2	< 10	134	< 10	9	14	0.5	6.89	< 3	59	< 1	< 2	8.16
177612	1.48	0.076	0.026	0.43	< 2	12	95	0.37	< 20	4	< 2	< 10	132	< 10	9	13	< 0.3	6.96	< 3	96	< 1	< 2	8.22
177613	1.47	0.078	0.025	0.44	< 2	12	95	0.37	< 20	6	< 2	< 10	130	< 10	9	12	< 0.3	7.00	< 3	95	< 1	< 2	8.16
177614	1.94	0.064	0.027	0.13	< 2	14	85	0.39	< 20	< 1	< 2	< 10	147	< 10	10	14	< 0.3	7.34	< 3	53	< 1	< 2	7.32
177615	2.24	0.048	0.027	0.22	< 2	13	82	0.38	< 20	4	< 2	< 10	141	< 10	9	15	< 0.3	7.21	< 3	43	< 1	< 2	7.84
177616	3.06	0.039	0.027	0.13	4	13	81	0.36	< 20	4	< 2	< 10	144	< 10	10	11	< 0.3	7.35	< 3	67	< 1	< 2	6.74
177617	2.87	0.057	0.026	0.14	< 2	14	99	0.34	< 20	2	< 2	< 10	138	< 10	9	11	< 0.3	6.85	< 3	83	< 1	< 2	6.38
177618	1.67	0.074	0.028	0.05	< 2	14	105	0.39	< 20	2	< 2	< 10	133	< 10	9	15	< 0.3	6.93	< 3	59	< 1	< 2	7.66

Results

Activation Laboratories Ltd.

Report: A16-08032

Analyte Symbol	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl
Unit Symbol	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	
Lower Limit	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5	0.01	4	1	2	0.01	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
177585	< 0.3	45	64	92	8.31	14	< 1	0.70	3.71	19	1260	< 1	1.84	55	0.028	< 3	< 5	0.10	38	135	11	0.41	10
177586	< 0.3	48	60	100	8.35	15	< 1	0.48	3.12	15	1490	< 1	1.89	60	0.028	6	< 5	0.10	39	168	6	0.42	< 5
177587	< 0.3	14	56	62	4.74	13	< 1	0.84	1.33	15	752	1	2.18	48	0.054	16	< 5	0.05	17	254	< 2	0.17	< 5
177588	< 0.3	44	75	103	7.81	15	< 1	0.38	2.55	14	1450	< 1	2.02	57	0.024	7	< 5	0.07	39	188	< 2	0.27	< 5
177589	< 0.3	44	65	92	7.87	15	< 1	0.60	3.10	16	1360	< 1	1.95	54	0.023	6	< 5	0.05	38	157	3	0.25	< 5
177590	< 0.3	45	126	95	7.86	13	< 1	0.59	2.99	14	1480	< 1	2.23	58	0.028	7	< 5	0.08	37	175	9	0.45	< 5
177591	< 0.3	42	75	97	7.78	14	< 1	0.65	2.31	13	1270	< 1	3.19	63	0.025	6	< 5	0.24	38	110	18	0.25	< 5
177592	< 0.3	45	75	112	7.73	17	1	0.49	2.50	15	1400	< 1	2.11	58	0.025	< 3	< 5	0.40	36	140	3	0.36	< 5
177593	< 0.3	44	59	102	7.92	10	< 1	0.66	3.11	18	1420	< 1	1.59	57	0.026	7	< 5	0.20	37	163	< 2	0.21	< 5
177594	< 0.3	44	52	93	8.29	15	< 1	0.82	3.05	17	1500	< 1	2.15	58	0.027	4	< 5	0.24	38	174	11	0.30	< 5
177595	< 0.3	45	52	94	7.93	14	< 1	0.96	2.71	16	1380	< 1	2.53	54	0.028	< 3	< 5	0.27	37	121	11	0.41	< 5
177596	< 0.3	< 1	5	< 1	0.20	22	< 1	2.80	0.01	19	33	< 1	7.50	2	< 0.001	< 3	< 5	< 0.01	< 4	13	< 2	< 0.01	6
177597	< 0.3	45	70	100	7.42	15	< 1	1.24	2.46	15	1250	< 1	2.81	52	0.025	6	5	1.25	34	63	8	0.36	< 5
177598	< 0.3	45	71	99	8.13	14	< 1	1.04	3.92	20	1350	< 1	2.26	54	0.028	7	< 5	0.33	37	96	9	0.39	< 5
177599	< 0.3	45	55	120	8.02	17	< 1	0.82	3.97	16	1180	< 1	1.60	56	0.031	< 3	< 5	0.18	34	179	< 2	0.42	< 5
177600	< 0.3	46	55	109	8.39	16	< 1	0.96	3.96	14	1270	< 1	1.55	53	0.032	4	< 5	0.24	35	189	6	0.48	< 5
177601	< 0.3	46	64	106	8.27	16	2	0.87	4.01	15	1330	< 1	1.80	59	0.029	< 3	< 5	0.22	34	187	< 2	0.20	< 5
177602	0.8	45	77	96	7.89	15	< 1	0.79	3.15	18	1270	< 1	1.73	66	0.028	7	< 5	0.26	7	133	6	0.45	< 5
177603	< 0.3	46	82	99	8.07	16	< 1	0.96	4.03	17	1290	< 1	2.26	65	0.029	< 3	9	0.19	34	90	2	0.36	< 5
177604	< 0.3	10	44	59	3.78	13	5	1.44	0.82	24	537	749	1.75	34	0.048	5	6	0.81	10	268	4	0.29	< 5
177605	< 0.3	44	57	107	7.52	14	< 1	0.56	2.71	9	1300	< 1	2.86	59	0.027	3	< 5	0.25	35	152	2	0.18	< 5
177606	< 0.3	44	68	128	7.87	17	1	0.90	2.49	8	1330	< 1	2.78	57	0.025	14	< 5	0.69	33	134	< 2	0.36	< 5
177607	< 0.3	46	56	98	7.56	14	2	0.65	2.81	5	1330	< 1	2.80	55	0.028	4	< 5	0.47	33	103	4	0.41	< 5
177608	0.5	44	55	89	7.37	21	< 1	0.37	2.49	12	1280	< 1	1.52	55	0.027	8	< 5	0.09	33	112	16	0.34	< 5
177609	< 0.3	46	52	104	8.01	16	< 1	0.46	2.75	12	1440	< 1	1.52	61	0.027	7	< 5	0.09	34	148	< 2	0.40	< 5
177610	< 0.3	44	61	106	7.80	16	< 1	0.56	2.60	9	1360	< 1	1.46	60	0.028	15	< 5	0.35	34	166	4	0.37	< 5
177611	< 0.3	45	64	104	7.38	16	1	0.51	2.45	10	1320	< 1	1.50	57	0.027	32	< 5	0.37	33	168	< 2	0.35	< 5
177612	< 0.3	45	81	108	7.39	15	< 1	0.82	2.40	8	1320	< 1	1.82	58	0.028	11	< 5	0.45	33	169	4	0.45	< 5
177613	< 0.3	45	88	110	7.36	16	< 1	0.82	2.42	8	1310	< 1	1.81	55	0.027	6	< 5	0.46	33	166	< 2	0.45	< 5
177614	< 0.3	47	83	106	8.07	16	1	0.50	2.86	14	1440	< 1	1.51	61	0.028	5	< 5	0.14	36	146	< 2	0.19	< 5
177615	< 0.3	46	65	102	8.49	17	< 1	0.38	3.10	16	1470	< 1	1.20	60	0.028	< 3	< 5	0.23	35	141	< 2	0.22	< 5
177616	< 0.3	45	58	119	9.06	21	< 1	0.41	3.95	25	1510	< 1	0.87	67	0.029	7	< 5	0.14	35	148	11	0.38	< 5
177617	< 0.3	46	57	99	9.76	16	< 1	0.53	3.51	21	1860	< 1	1.29	57	0.029	6	< 5	0.14	33	187	< 2	0.41	< 5
177618	< 0.3	46	61	110	7.97	16	< 1	0.34	3.09	11	1510	< 1	1.88	56	0.027	4	< 5	0.05	33	159	< 2	0.31	< 5

Results

Activation Laboratories Ltd.

Report: A16-08032

Analyte Symbol	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
177585	< 10	210	< 5	21	79	56	
177586	< 10	204	< 5	21	79	54	
177587	< 10	76	< 5	18	82	29	
177588	< 10	201	< 5	21	83	52	
177589	< 10	181	< 5	20	80	52	
177590	< 10	217	< 5	20	79	67	
177591	< 10	175	< 5	20	79	42	
177592	< 10	202	< 5	21	74	53	
177593	< 10	141	< 5	20	81	33	
177594	< 10	166	< 5	20	83	44	
177595	< 10	204	< 5	20	77	53	
177596	< 10	< 2	< 5	1	2	11	
177597	< 10	203	< 5	19	75	64	
177598	< 10	193	< 5	20	77	56	
177599	< 10	216	< 5	21	71	62	
177600	< 10	233	< 5	21	75	67	
177601	< 10	145	< 5	20	76	33	
177602	< 10	228	< 5	11	76	57	
177603	< 10	203	< 5	20	77	60	
177604	< 10	235	12	14	57	74	6.37
177605	< 10	130	< 5	20	77	29	
177606	< 10	202	< 5	20	76	55	
177607	< 10	206	< 5	19	72	55	
177608	< 10	182	< 5	19	69	47	
177609	< 10	214	< 5	20	77	53	
177610	< 10	196	< 5	20	70	49	
177611	< 10	178	< 5	19	70	44	
177612	< 10	225	< 5	20	66	68	
177613	< 10	223	< 5	19	65	67	
177614	< 10	129	< 5	21	78	31	
177615	< 10	147	< 5	21	79	34	
177616	< 10	202	< 5	21	83	50	
177617	< 10	211	< 5	19	91	50	
177618	< 10	190	< 5	19	76	51	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas		28.0	1.4	1140	811	14	22	633	621	0.38	386	12	541	0.8	1480	0.77	5	5	22.9	< 10	3	0.03	< 10
GXR-1 Cert		31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750	1.22	1380	0.960	8.20	12.0	23.6	13.8	3.90	0.050	7.50
GXR-1 Meas																							
GXR-1 Cert																							
GXR-4 Meas		3.4	< 0.5	6240	142	335	32	42	62	2.79	102	< 10	96	1.3	11	0.93	13	54	3.12	10	< 1	1.72	51
GXR-4 Cert		4.0	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01	14.6	64.0	3.09	20.0	0.110	4.01	64.5
GXR-4 Meas																							
GXR-4 Cert																							
SDC-1 Meas																							
SDC-1 Cert																							
SDC-1 Meas																							
SDC-1 Cert																							
GXR-6 Meas		< 0.2	< 0.5	74	1080	2	16	102	117	7.52	225	< 10	966	0.9	< 2	0.14	13	83	6.15	20	< 1	1.20	11
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas																							
GXR-6 Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
DNC-1a Meas																							
DNC-1a Cert																							
DNC-1a Meas																							
DNC-1a Cert																							
OxP 91 Meas																							
OxP 91 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OxK110 Meas																							
OxK110 Cert																							
SdAR-M2 (U.S.G.S.) Meas																							
SdAR-M2 (U.S.G.S.) Cert																							
SdAR-M2 (U.S.G.S.) Meas																							
SdAR-M2 (U.S.G.S.) Cert																							
SF85 Meas		817																					
SF85 Cert		848																					
177590 Orig		< 0.2	< 0.5	97	1150	< 1	33	< 2	64	3.11	< 2	< 10	31	< 0.5	< 2	4.25	35	64	6.42	< 10	< 1	0.05	< 10
177590 Dup		< 0.2	< 0.5	99	1150	< 1	35	2	64	3.07	< 2	< 10	32	< 0.5	< 2	4.20	35	64	6.40	< 10	< 1	0.05	< 10
177594 Orig		6																					
177594 Dup		7																					
177599 Orig																							
177599 Dup																							
177604 Orig		0.6	< 0.5	56	447	773	19	7	48	1.44	10	< 10	46	< 0.5	< 2	0.99	8	33	3.60	< 10	3	0.18	< 10
177604 Dup		0.7	< 0.5	56	445	766	18	8	47	1.43	11	< 10	44	< 0.5	< 2	0.97	8	33	3.58	< 10	3	0.18	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
177605 Orig	< 5																						
177605 Dup	< 5																						
177614 Orig	< 5																						
177614 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank																							
Method Blank		< 0.2	< 0.5	2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Ag	Al	As	Ba	Be	Bi	Ca	
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	
Lower Limit	0.01	0.001	0.001	0.01	2	1	187	< 0.01	< 20	12	< 2	33	74	141	23	15	31.9	2.50	421	674	1	1390	0.90	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	
GXR-1 Meas	0.14	0.047	0.048	0.21	85	1	187	< 0.01	< 20	12	< 2	33	74	141	23	15	31.9	2.50	421	674	1	1390	0.90	
GXR-1 Cert	0.217	0.0520	0.0650	0.257	122	1.58	275	0.036	2.44	13.0	0.390	34.9	80.0	164	32.0	38.0	31.0	3.52	427	750	1.22	1380	0.960	
GXR-1 Meas																	31.4	2.01	430	688	1	1380	0.89	
GXR-1 Cert																	31.0	3.52	427	750	1.22	1380	0.960	
GXR-4 Meas	1.67	0.133	0.131	1.74	3	7	73	0.13	< 20	< 1	3	< 10	77	11	11	10	3.1	6.81	92	324	2	10	1.08	
GXR-4 Cert	1.66	0.564	0.120	1.77	4.80	7.70	221	0.29	22.5	0.970	3.20	6.20	87.0	30.8	14.0	186	4.0	7.20	98.0	1640	1.90	19.0	1.01	
GXR-4 Meas																	3.6	6.67	101	348	2	22	1.09	
GXR-4 Cert																	4.0	7.20	98.0	1640	1.90	19.0	1.01	
SDC-1 Meas																	8.29	< 3	630	3			1.11	
SDC-1 Cert																	8.34	0.220	630	3.00			1.00	
SDC-1 Meas																	7.57	< 3	630	3			1.04	
SDC-1 Cert																	8.34	0.220	630	3.00			1.00	
GXR-6 Meas	0.43	0.073	0.037	0.01	2	22	28	< 20	< 1	< 2	< 10	168	< 10	5	7	0.4	12.8	247	> 1000	1	< 2	0.18		
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0	5.30	0.0180	2.20	1.54	186	1.90	14.0	110	1.30	17.7	330	1300	1.40	0.290	0.180		
GXR-6 Meas																	0.5	12.3	271	> 1000	1	< 2	0.16	
GXR-6 Cert																	1.30	17.7	330	1300	1.40	0.290	0.180	
Oreas 72a (4 Acid Digest) Meas																			< 3					
Oreas 72a (4 Acid Digest) Cert																			14.7					
DNC-1a Meas																				88				
DNC-1a Cert																				118				
DNC-1a Meas																				98				
DNC-1a Cert																				118				
OxP 91 Meas																								
OxP 91 Cert																								
SBC-1 Meas																				13	697	3	< 2	
SBC-1 Cert																				25.7	788.0	3.20	0.70	
SBC-1 Meas																				23	785	3	< 2	
SBC-1 Cert																				25.7	788.0	3.20	0.70	
OxK110 Meas																								
OxK110 Cert																								
SdAR-M2 (U.S.G.S.) Meas																					947	8	< 2	
SdAR-M2 (U.S.G.S.) Cert																					990	6.6	1.05	
SdAR-M2 (U.S.G.S.) Meas																					> 1000	8	< 2	
SdAR-M2 (U.S.G.S.) Cert																					990	6.6	1.05	
SF85 Meas																								
SF85 Cert																								
177590 Orig	2.32	0.080	0.028	0.07	< 2	15	110	0.38	< 20	3	2	< 10	165	< 10	11	16								
177590 Dup	2.33	0.080	0.028	0.07	< 2	14	106	0.39	< 20	1	< 2	< 10	164	< 10	11	17								
177594 Orig																								
177594 Dup																								
177599 Orig																	< 0.3	7.02	< 3	96	< 1	< 2	6.34	
177599 Dup																	< 0.3	7.13	< 3	95	< 1	< 2	6.32	
177604 Orig	0.60	0.102	0.049	0.80	19	5	56	0.14	< 20	7	< 2	< 10	73	< 10	8	12								
177604 Dup	0.60	0.103	0.049	0.79	19	5	55	0.14	< 20	6	< 2	< 10	72	< 10	8	12								

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Ag	Al	As	Ba	Be	Bi	Ca	
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.3	0.01	3	7	1	2	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	
177605 Orig																								
177605 Dup																								
177614 Orig																								
177614 Dup																								
Method Blank																								
Method Blank																								
Method Blank																		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01
Method Blank																		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1								
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1								
Method Blank																								
Method Blank																		< 0.3	0.01	< 3	< 7	< 1	< 2	< 0.01
Method Blank																		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01

Analyte Symbol	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl
Unit Symbol	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
Lower Limit	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5	0.01	4	1	2	0.01	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas	3.2	7	30	1230	24.0	14	7	0.05	0.21	8	899	15	0.05	47	0.060	725	22	0.25	< 4	285	11	0.03	< 5
GXR-1 Cert	3.30	8.20	12.0	1110	23.6	13.8	3.90	0.050	0.217	8.20	852	18.0	0.0520	41.0	0.0650	730	122	0.257	1.58	275	13.0	0.036	0.390
GXR-1 Meas	0.7	7	21	1200	23.6	10	< 1	0.05	0.21	9	871	16	0.05	46	0.058	738	38	0.24	< 4	292	3	0.03	< 5
GXR-1 Cert	3.30	8.20	12.0	1110	23.6	13.8	3.90	0.050	0.217	8.20	852	18.0	0.0520	41.0	0.0650	730	122	0.257	1.58	275	13.0	0.036	0.390
GXR-4 Meas	0.3	15	36	6750	3.03	19	< 1	3.02	1.68	11	152	341	0.54	43	0.131	48	< 5	1.78	8	215	5	0.29	5
GXR-4 Cert	0.860	14.6	64.0	6520	3.09	20.0	0.110	4.01	1.66	11.1	155	310	0.564	42.0	0.120	52.0	4.80	1.77	7.70	221	0.970	0.29	3.20
GXR-4 Meas	< 0.3	16	45	6740	3.08	19	< 1	3.76	1.71	12	179	351	0.56	47	0.131	49	< 5	1.79	8	219	3	0.29	< 5
GXR-4 Cert	0.860	14.6	64.0	6520	3.09	20.0	0.110	4.01	1.66	11.1	155	310	0.564	42.0	0.120	52.0	4.80	1.77	7.70	221	0.970	0.29	3.20
SDC-1 Meas		18	48	31	4.76	23	< 1	1.58	1.00	35	870		1.53	37	0.053	21	< 5		15	175		0.11	< 5
SDC-1 Cert		18.0	64.00	30.000	4.82	21.00	0.20	2.72	1.02	34.00	880.00		1.52	38.0	0.0690	25.00	0.54		17.00	180.00		0.606	0.70
SDC-1 Meas		19	49	27	4.60	24	< 1	1.80	0.97	34	874		1.50	37	0.052	21	< 5		16	167		0.10	< 5
SDC-1 Cert		18.0	64.00	30.000	4.82	21.00	0.20	2.72	1.02	34.00	880.00		1.52	38.0	0.0690	25.00	0.54		17.00	180.00		0.606	0.70
GXR-6 Meas	< 0.3	15	70	74	5.77	32	1	1.32	0.60	34	1090	< 1	0.10	30	0.036	96	< 5	0.02	28	38	< 2		< 5
GXR-6 Cert	1.00	13.8	96.0	66.0	5.58	35.0	0.0680	1.87	0.609	32.0	1010	2.40	0.104	27.0	0.0350	101	3.60	0.0160	27.6	35.0	0.0180		2.20
GXR-6 Meas	< 0.3	16	67	71	5.86	30	< 1	1.40	0.60	34	1080	4	0.10	29	0.036	99	< 5	0.02	26	35	6		< 5
GXR-6 Cert	1.00	13.8	96.0	66.0	5.58	35.0	0.0680	1.87	0.609	32.0	1010	2.40	0.104	27.0	0.0350	101	3.60	0.0160	27.6	35.0	0.0180		2.20
Oreas 72a (4 Acid Digest) Meas		158	192	336	9.24									6740				1.65					
Oreas 72a (4 Acid Digest) Cert		157	228	316	9.63									6930.000				1.74					
DNC-1a Meas		57	229	97		13				3				254		6	< 5		9	123		0.27	
DNC-1a Cert		57.0	270	100.00		15				5.20				247		6.3	0.96		31	144.0		0.29	
DNC-1a Meas		56	202	97		14				5				258		5	< 5		32	130		0.29	
DNC-1a Cert		57.0	270	100.00		15				5.20				247		6.3	0.96		31	144.0		0.29	
OxP 91 Meas																							
OxP 91 Cert																							
SBC-1 Meas	< 0.3	24	91	35		28				164		< 1		87		24	< 5		19	173		0.47	< 5
SBC-1 Cert	0.40	22.7	109	31.0000		27.0				163.0		2.40		82.8		35.0	1.01		20.0	178.0		0.51	0.89
SBC-1 Meas	< 0.3	24	83	27		27				159				86		33	< 5		20	174		0.53	< 5
SBC-1 Cert	0.40	22.7	109	31.0000		27.0				163.0		2.40		82.8		35.0	1.01		20.0	178.0		0.51	0.89
OxK110 Meas																							
OxK110 Cert																							
SdAR-M2 (U.S.G.S.) Meas	5.2	15	40	258		18	2			18		14		57		817			4	145			
SdAR-M2 (U.S.G.S.) Cert	5.1	12.4	49.6	236.0000		17.6	1.44			17.9		13.3		48.8		808			4.1	144			
SdAR-M2 (U.S.G.S.) Meas	5.2	15	48	247		20	1			18		12		55		802			4	146			
SdAR-M2 (U.S.G.S.) Cert	5.1	12.4	49.6	236.0000		17.6	1.44			17.9		13.3		48.8		808			4.1	144			
SF85 Meas																							
SF85 Cert																							
177590 Orig																							
177590 Dup																							
177594 Orig																							
177594 Dup																							
177599 Orig	< 0.3	45	52	122	7.98	17	3	0.82	3.96	16	1180	< 1	1.59	56	0.030	< 3	< 5	0.18	34	180	< 2	0.37	< 5
177599 Dup	< 0.3	45	58	117	8.06	17	< 1	0.82	3.97	16	1180	< 1	1.60	55	0.031	< 3	< 5	0.19	34	179	10	0.48	< 5
177604 Orig																							
177604 Dup																							

Analyte Symbol	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl
Unit Symbol	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
Lower Limit	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5	0.01	4	1	2	0.01	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
177605 Orig																							
177605 Dup																							
177614 Orig																							
177614 Dup																							
Method Blank																							
Method Blank																							
Method Blank	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5
Method Blank	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5
Method Blank																							
Method Blank																							
Method Blank	< 0.3	< 1		2	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5
Method Blank	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5

Analyte Symbol	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
GXR-1 Meas	40	87	159	32	718	28	
GXR-1 Cert	34.9	80.0	164	32.0	760	38.0	
GXR-1 Meas	30	88	157	35	737	32	
GXR-1 Cert	34.9	80.0	164	32.0	760	38.0	
GXR-4 Meas	< 10	88	36	16	67	47	
GXR-4 Cert	6.20	87.0	30.8	14.0	73.0	186	
GXR-4 Meas	< 10	88	38	15	71	46	
GXR-4 Cert	6.20	87.0	30.8	14.0	73.0	186	
SDC-1 Meas	< 10	39	< 5		94	34	
SDC-1 Cert	3.10	102.00	0.80		103.00	290.00	
SDC-1 Meas	< 10	38	< 5		95	35	
SDC-1 Cert	3.10	102.00	0.80		103.00	290.00	
GXR-6 Meas	< 10	93	< 5	15	129	68	
GXR-6 Cert	1.54	186	1.90	14.0	118	110	
GXR-6 Meas	< 10	149	< 5	11	129	70	
GXR-6 Cert	1.54	186	1.90	14.0	118	110	
Oreas 72a (4 Acid Digest) Meas							
Oreas 72a (4 Acid Digest) Cert							
DNC-1a Meas		140		12	53	34	
DNC-1a Cert		148.0000		18.0	70.0	38.0	
DNC-1a Meas		139		17	56	36	
DNC-1a Cert		148.0000		18.0	70.0	38.0	
OxP 91 Meas							14.8
OxP 91 Cert							14.82
SBC-1 Meas	< 10	214	< 5	37	170	125	
SBC-1 Cert	5.76	220.0	1.60	36.5	186.0	134.0	
SBC-1 Meas	< 10	213	< 5	32	177	117	
SBC-1 Cert	5.76	220.0	1.60	36.5	186.0	134.0	
OxK110 Meas							3.57
OxK110 Cert							3.602
SdAR-M2 (U.S.G.S.) Meas	< 10	28	11	31	800	137	
SdAR-M2 (U.S.G.S.) Cert	2.53	25.2	2.8	32.7	760	259	
SdAR-M2 (U.S.G.S.) Meas	< 10	26	9	29	780	127	
SdAR-M2 (U.S.G.S.) Cert	2.53	25.2	2.8	32.7	760	259	
SF85 Meas							
SF85 Cert							
177590 Orig							
177590 Dup							
177594 Orig							
177594 Dup							
177599 Orig	< 10	196	< 5	20	72	53	
177599 Dup	< 10	235	< 5	21	71	71	

Analyte Symbol	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
177604 Orig							
177604 Dup							
177605 Orig							
177605 Dup							
177614 Orig							
177614 Dup							
Method Blank							
Method Blank							
Method Blank	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank							
Method Blank							
Method Blank							< 0.02
Method Blank	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 10	< 2	< 5	< 1	< 1	< 5	



Date Submitted: 22-Aug-16
Invoice No.: A16-08448
Invoice Date: 05-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-08448**

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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 stylized and somewhat cursive, written over a horizontal line.

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
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Date Submitted: 22-Aug-16
Invoice No.: A16-08448
Invoice Date: 05-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08448**

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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



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

CERTIFIED BY:

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

Emmanuel Esemé , Ph.D.
Quality Control

Results

Activation Laboratories Ltd.

Report: A16-08448

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
177699	7	7.05	0.2	3	< 100	154	< 1	0.1	5.80	< 0.1	14	42.9	80	80.3	1.4	7.99	1.4	0.76	5.9	14.3	1.40	< 0.1	54.5
177700	6	6.73	0.2	3	< 100	177	< 1	0.2	5.79	< 0.1	16	39.4	60	41.9	1.4	7.72	1.4	0.84	6.9	20.1	1.73	< 0.1	48.6
177845	< 5	6.75	0.1	2	< 100	153	< 1	0.1	5.44	< 0.1	13	42.2	76	77.5	1.0	7.99	1.4	0.95	5.5	17.9	2.04	< 0.1	49.5
177846	5	6.83	1.0	1	< 100	144	< 1	0.2	5.24	< 0.1	13	43.1	76	87.5	1.9	7.97	1.6	1.16	5.6	14.4	2.63	0.2	50.7
177847	10	6.71	0.5	2	< 100	108	< 1	0.2	6.60	< 0.1	13	41.2	111	170	0.8	7.38	1.6	0.83	6.2	11.4	2.52	1.4	52.5
177848	9	6.69	0.4	2	< 100	97	< 1	0.3	6.80	< 0.1	12	39.9	93	76.2	0.8	7.45	1.6	0.84	5.4	12.1	3.11	2.5	50.6
177849	108	6.01	0.5	3	100	87	< 1	0.5	8.19	< 0.1	12	35.0	74	78.3	0.6	5.52	1.5	0.61	4.8	9.7	3.44	2.4	41.4
177850	75	6.17	0.4	3	< 100	90	< 1	0.4	8.41	< 0.1	12	35.5	78	59.0	0.5	5.70	1.7	0.63	5.0	10.0	3.50	2.6	42.3
177851	53	5.78	0.4	2	< 100	94	< 1	1.1	7.61	< 0.1	11	43.8	83	67.6	0.6	7.00	1.6	0.71	4.9	8.2	3.39	2.6	48.1
177852	11	7.41	0.3	2	200	101	< 1	0.4	6.06	< 0.1	13	42.7	100	69.7	0.9	8.42	1.8	0.83	5.8	10.2	4.15	2.9	56.1
177853	5	7.24	0.2	3	< 100	96	< 1	0.2	6.71	< 0.1	13	46.6	86	96.9	0.7	7.87	1.7	0.78	6.0	10.4	2.49	1.4	52.7
177854	< 5	7.48	0.1	1	< 100	122	< 1	0.1	5.63	< 0.1	14	45.1	65	93.6	0.8	7.68	0.8	0.86	5.7	12.0	2.89	< 0.1	55.2
177855	9	7.48	0.2	2	< 100	90	< 1	0.3	6.56	< 0.1	15	47.6	72	108	0.7	8.44	1.5	0.79	6.6	12.4	3.11	0.3	60.4
177913	6	5.71	1.9	3	< 100	59	< 1	0.6	7.21	< 0.1	13	40.6	12	48.7	1.0	7.69	1.5	0.49	5.7	14.8	2.48	2.1	33.0
177914	174	7.00	1.0	< 1	400	64	< 1	0.5	3.87	< 0.1	17	34.9	9	43.4	1.3	9.71	2.1	0.59	7.7	16.6	3.55	< 0.1	27.1
177915	39	6.41	0.8	2	300	57	< 1	0.6	5.97	0.1	16	43.2	11	78.0	2.1	9.00	2.0	0.53	7.0	17.1	3.02	0.8	29.5
177916	403	5.86	0.9	3	600	111	< 1	0.8	6.40	< 0.1	13	43.9	22	77.7	2.2	7.97	1.7	1.15	5.6	15.4	2.43	2.5	31.7
177917	102	6.81	0.4	< 1	100	97	< 1	0.2	5.31	< 0.1	20	39.1	7	88.9	2.0	9.51	2.2	0.68	8.7	18.3	3.46	0.2	21.7
177918	9	6.78	0.3	2	< 100	83	< 1	0.1	4.40	< 0.1	19	43.5	3	106	1.6	9.79	1.6	0.50	8.3	16.7	3.40	< 0.1	20.1
177919	7	6.20	0.2	3	< 100	94	< 1	< 0.1	4.53	< 0.1	17	40.9	4	96.9	1.8	10.2	2.5	0.53	6.6	17.3	3.37	4.2	21.5
177627	7	7.52	0.2	3	< 100	121	< 1	< 0.1	6.23	< 0.1	13	47.2	94	83.1	1.4	8.30	1.5	0.81	5.7	17.9	2.03	0.3	57.7
177628	9	7.22	0.2	3	< 100	80	< 1	0.1	7.23	< 0.1	15	47.8	46	97.4	1.3	9.06	1.4	0.50	6.8	19.7	1.58	< 0.1	45.2
177629	9	7.54	0.1	2	< 100	107	< 1	< 0.1	6.92	< 0.1	17	49.1	12	93.4	1.3	9.41	1.2	0.79	7.5	16.3	1.83	< 0.1	42.4
177630	< 5	0.12	1.1	< 1	< 100	159	< 1	< 0.1	20.3	0.1	2	0.4	5	1.6	0.5	0.12	< 0.1	0.07	1.5	12.1	0.037	0.2	0.6
177631	30	7.44	1.2	7	< 100	101	< 1	1.3	7.05	< 0.1	17	174	15	559	1.7	11.4	1.7	0.86	7.4	22.9	1.62	0.6	42.9
177632	7	7.84	0.5	2	< 100	139	< 1	< 0.1	5.35	< 0.1	17	52.9	11	124	2.2	9.98	1.1	1.11	7.5	20.7	2.01	< 0.1	43.3
177633	9	7.95	0.4	3	< 100	188	< 1	< 0.1	4.80	< 0.1	17	51.0	14	114	2.7	10.2	1.6	1.44	7.4	22.2	1.83	< 0.1	41.3
177634	138	7.78	0.9	3	100	236	< 1	0.3	4.61	< 0.1	17	53.9	17	410	2.9	10.2	1.9	1.81	7.5	20.5	2.25	0.3	39.0
177635	15	7.61	0.5	1	100	283	< 1	0.2	3.66	< 0.1	16	48.2	14	198	3.3	9.10	1.3	1.79	6.8	17.3	2.98	< 0.1	41.7
177636	372	6.79	0.6	2	600	199	< 1	0.4	3.96	< 0.1	14	41.6	22	226	3.1	8.28	1.9	1.25	5.9	15.2	3.11	3.3	37.5
177637	16	7.55	0.4	4	< 100	200	< 1	0.2	4.36	< 0.1	17	51.1	19	133	2.9	9.57	2.1	2.27	7.3	20.1	1.92	1.4	42.0
177638	> 5000	6.14	0.9	16	> 2000	104	< 1	0.2	1.71	0.2	21	10.1	79	51.6	3.8	4.00	1.6	1.74	8.5	20.7	2.02	3.2	29.1
177639	10	7.68	1.2	< 1	< 100	163	< 1	0.2	4.13	< 0.1	17	48.3	13	116	2.6	9.20	1.6	1.81	7.1	16.7	2.46	< 0.1	42.1
177640	21	6.42	0.7	2	< 100	122	< 1	0.4	5.62	< 0.1	14	45.4	12	127	1.9	8.34	1.7	1.61	6.0	12.4	2.46	0.3	34.0

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
177699	0.030	30.9	4.2	< 1	3.53	1390	0.2	< 0.1	30	< 0.1	285	< 0.1	1.4	0.327	0.24	0.3	169	< 0.1	16.8	76	47.7		
177700	0.041	30.4	5.1	< 1	3.65	1370	0.3	0.1	28	0.5	248	< 0.1	1.1	0.336	0.22	0.3	175	< 0.1	15.9	111	48.7		
177845	0.038	39.0	2.7	< 1	3.19	1590	0.3	< 0.1	32	0.3	139	< 0.1	1.1	0.311	0.25	0.3	164	< 0.1	15.6	88	48.5		
177846	0.036	52.5	2.9	< 1	2.92	1430	0.6	< 0.1	30	0.4	143	< 0.1	1.2	0.422	0.37	0.3	198	0.1	16.2	86	58.5		
177847	0.032	31.2	5.4	< 1	2.24	1500	0.9	0.2	30	0.5	246	< 0.1	1.1	0.455	0.24	0.3	212	0.4	14.8	82	65.5		
177848	0.031	32.7	8.7	< 1	2.31	1590	1.1	0.3	29	0.6	220	0.1	1.2	0.470	0.23	0.2	207	1.1	16.1	92	63.2		
177849	0.026	20.8	31.9	1	1.51	1270	4.3	0.6	28	0.9	199	0.2	0.9	0.425	0.17	0.3	167	5.0	14.2	64	57.3		
177850	0.027	21.6	30.6	1	1.54	1320	3.6	0.6	29	0.7	205	0.2	1.0	0.431	0.14	0.2	171	6.1	14.7	68	59.7		
177851	0.029	13.8	9.9	2	1.79	1380	2.7	0.6	26	0.7	224	0.2	1.0	0.445	0.16	0.2	194	2.4	13.9	67	58.9		
177852	0.030	30.7	8.4	< 1	2.43	1610	1.4	0.5	33	0.6	192	0.2	1.0	0.526	0.18	0.3	237	1.9	17.4	97	69.8		
177853	0.039	27.9	5.4	< 1	2.31	1670	0.4	0.2	31	0.6	270	< 0.1	1.0	0.497	0.17	0.2	217	0.3	17.0	87	63.3		
177854	0.027	34.8	4.1	< 1	2.29	1520	< 0.1	< 0.1	33	0.3	211	< 0.1	1.0	0.162	0.22	0.3	123	< 0.1	16.8	87	30.2		
177855	0.031	27.8	6.2	< 1	2.43	1590	0.5	< 0.1	32	0.5	248	< 0.1	1.1	0.443	0.17	0.3	210	< 0.1	17.1	105	58.0		
177913	0.033	16.2	18.4	3	2.59	1240	11.5	0.4	25	0.5	114	< 0.1	1.1	0.457	0.12	0.3	203	5.6	13.9	107	65.2		
177914	0.042	18.5	24.1	1	2.75	1110	2.6	< 0.1	31	0.7	105	< 0.1	1.5	0.431	0.13	0.4	251	0.1	19.4	123	81.8		
177915	0.037	24.2	16.0	2	2.71	1330	33.7	0.3	28	0.7	112	< 0.1	1.2	0.526	0.13	0.3	262	0.8	15.3	114	78.4		
177916	0.036	41.8	15.9	3	2.41	1340	80.0	0.7	26	0.6	159	0.1	1.0	0.462	0.25	0.2	190	12.5	11.8	98	64.2		
177917	0.044	22.9	5.3	< 1	2.81	1280	1.1	0.1	31	0.7	108	< 0.1	1.4	0.568	0.14	0.4	282	0.2	14.3	129	92.2		
177918	0.048	20.6	9.6	< 1	2.53	1350	0.2	< 0.1	29	0.2	97	< 0.1	1.5	0.343	0.11	0.4	196	< 0.1	15.1	95	70.7		
177919	0.046	13.6	9.3	< 1	2.60	1440	1.2	1.7	27	0.9	103	0.3	1.1	0.708	0.12	0.4	284	6.0	13.1	100	100		
177627	0.036	34.1	2.7	< 1	3.50	1810	0.2	< 0.1	30	< 0.1	274	< 0.1	1.0	0.446	0.20	0.2	212	< 0.1	16.5	88	61.0		
177628	0.037	18.4	3.8	< 1	2.85	1810	0.1	0.1	31	0.4	280	< 0.1	1.1	0.391	0.12	0.3	194	< 0.1	17.5	101	56.9		
177629	0.046	30.4	3.5	< 1	3.13	1560	< 0.1	< 0.1	32	0.2	294	< 0.1	1.2	0.314	0.17	0.3	159	< 0.1	19.7	93	46.6		
177630	0.005	1.1	3.8	< 1	11.6	405	0.6	0.2	< 1	0.1	171	< 0.1	0.2	0.006	0.07	0.2	< 4	0.2	0.8	11	2.2		
177631	0.048	36.4	23.0	2	3.78	1650	0.4	0.1	33	0.7	215	< 0.1	1.2	0.510	0.23	0.3	232	< 0.1	19.4	122	71.4		
177632	0.037	47.6	3.4	< 1	3.94	1590	0.1	0.3	33	0.6	243	< 0.1	1.3	0.364	0.26	0.3	182	< 0.1	19.9	104	44.4		
177633	0.046	62.7	4.0	< 1	3.94	1500	0.2	0.5	35	0.9	253	< 0.1	1.3	0.493	0.36	0.3	227	< 0.1	19.4	136	64.0		
177634	0.047	70.7	27.8	1	3.60	1510	1.0	0.2	34	0.8	215	< 0.1	1.3	0.552	0.40	0.3	247	0.2	19.6	125	74.7		
177635	0.042	60.0	3.1	< 1	4.01	1500	0.5	0.1	35	0.7	153	< 0.1	1.2	0.362	0.38	0.3	177	< 0.1	18.8	131	52.4		
177636	0.039	37.2	8.7	< 1	3.28	1340	13.0	0.5	29	0.7	166	0.2	1.1	0.574	0.28	4.2	249	3.3	16.9	157	78.9		
177637	0.052	71.0	4.0	< 1	3.94	1470	0.9	< 0.1	34	0.3	171	< 0.1	1.3	0.573	0.45	0.3	251	0.3	19.4	96	81.3		
177638	0.070	36.4	5.5	< 1	0.77	595	742	11.2	9	3.4	291	< 0.1	1.3	0.310	4.08	0.9	226	10.8	11.6	54	70.0	6.29	
177639	0.042	55.0	3.2	< 1	3.60	1470	0.3	< 0.1	34	0.1	148	< 0.1	1.2	0.280	0.40	0.3	177	< 0.1	18.9	94	66.2		
177640	0.036	50.3	7.9	1	2.99	1450	0.7	0.2	28	0.5	100	< 0.1	1.1	0.479	0.33	0.3	208	0.1	16.9	90	70.6		

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		2.54	40.8	455	> 2000	715	< 1	1400	1.09	2.6	16	9.2	17	1220	3.2	27.2	0.4	0.06	8.0	7.0	0.055	0.5	41.8
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																							
GXR-4 Meas		6.81	4.1	107	500	128	2	19.9	1.15	0.4	119	15.9	57	6050	2.7	3.31	1.3	4.88	63.0	9.0	0.597	10.4	38.6
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		8.97		2		687	2		1.13		96	20.7	56	30.2	4.5	5.35	0.9	3.22	44.3	28.2	1.81	< 0.1	37.0
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		13.6	0.4	243	< 100	1350	< 1	0.2	0.18	0.1	36	15.0	58	65.4	4.8	5.98	1.9	2.23	13.7	27.6	0.108	0.2	24.6
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					63.6	220	93.3						3.7	3.7		1.4	272
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																		
OREAS 203 Meas	847																						
OREAS 203 Cert	871.000																						
SBC-1 Meas			26		573	3	0.7		0.3	113	24.8	97	30.0	8.9		3.1			54.2	133		11.1	89.3
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
OxK110 Meas																							
OxK110 Cert																							
SdAR-M2 (U.S.G.S.) Meas					1090	5	1.1		5.1	106	14.7	42	235	1.8		3.5			48.5	14.4		2.4	49.4
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
OREAS 251 Meas	488																						
OREAS 251 Cert	504																						
177699 Orig		7.06	0.2	4	< 100	153	< 1	0.1	5.81	< 0.1	14	43.2	83	80.8	1.4	7.99	1.6	0.75	6.0	14.1	1.40	< 0.1	55.3
177699 Dup		7.03	0.1	3	< 100	155	< 1	0.1	5.79	< 0.1	14	42.6	77	79.7	1.4	8.00	1.2	0.76	5.9	14.6	1.40	< 0.1	53.7
177852 Orig	9																						
177852 Dup	12																						
177919 Orig	7																						
177919 Dup	7																						
177636 Orig	361																						
177636 Dup	382																						
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	11	1.6	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.001	< 0.1	< 0.1
Method Blank		< 0.01	0.3	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	1.6	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.004	< 0.1	0.2
Method Blank		< 0.01	0.1	< 1	200	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	1.0	< 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	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	FA-GRA	
GXR-1 Meas	0.088	3.0	745	< 1	0.20	1030	19.7	32.9	2	29.6	334	< 0.1	2.9	0.031	0.39	35.8	84	142	28.6	801	18.5		
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													899			2380							
DH-1a Cert													910			2629							
GXR-4 Meas	0.170	168	50.1	2	1.61	167	359	4.5	7	7.3	247	0.6	22.1	0.309	3.01	6.1	89	35.6	13.1	90	46.5		
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	0.067	135	23.4		0.99	1020		< 0.1	16	0.2	201	< 0.1	11.8	0.177	0.53	3.0	48	< 0.1		106	40.7		
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	0.029	90.1	102	< 1	0.56	1130	0.4	0.5	25	0.5	41	< 0.1	5.5		1.98	1.5	121	< 0.1	12.1	130	74.7		
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		3.7	5.6					0.3	32		147			0.325			149			15.8	64	40.0	
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																							
OREAS 203 Meas																							
OREAS 203 Cert																							
SBC-1 Meas		161	35.1				2.7	1.0	21	3.1	199	0.4	16.2	0.553	0.83	5.8	224	1.3	30.5	193	132		
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		
OxK110 Meas																						3.59	
OxK110 Cert																						3.602	
SdAR-M2 (U.S.G.S.) Meas		141	750				11.7		4		159	< 0.1	14.3			2.5	23	0.2	24.5	777	131		
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 Meas																							
OREAS 251 Cert																							
177699 Orig	0.031	30.4	4.1	< 1	3.54	1400	0.3	< 0.1	30	0.1	283	< 0.1	1.5	0.376	0.23	0.3	187	< 0.1	16.9	77	53.4		
177699 Dup	0.029	31.3	4.2	< 1	3.52	1380	0.2	< 0.1	30	< 0.1	286	< 0.1	1.4	0.277	0.24	0.3	151	< 0.1	16.8	75	42.0		
177852 Orig																							
177852 Dup																							
177919 Orig																							
177919 Dup																							
177636 Orig																							
177636 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							< 0.02
Method Blank	< 0.001	< 0.1	0.1	< 1	< 0.01	6	< 0.1	< 0.1	< 1	0.1	< 1	< 0.1	< 0.1	< 0.001	0.06	< 0.1	< 4	< 0.1	< 0.1	< 1	< 0.1		
Method Blank	< 0.001	< 0.1	0.3	< 1	< 0.01	13	0.2	0.2	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	0.09	< 0.1	< 4	< 0.1	< 0.1	< 1	< 0.1	0.2	
Method Blank	< 0.001	< 0.1	0.2	< 1	< 0.01	16	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	0.2	



Date Submitted: 22-Aug-16
Invoice No.: A16-08451
Invoice Date: 05-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

24 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08451**

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

Date Submitted: 22-Aug-16
Invoice No.: A16-08451
Invoice Date: 05-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

24 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-08451**

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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

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Results

Activation Laboratories Ltd.

Report: A16-08451

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
177641	7	7.80	0.5	1	< 100	129	< 1	0.2	4.01	< 0.1	16	46.6	12	175	2.3	9.26	0.9	1.55	7.3	13.9	3.08	< 0.1	38.6
177642	< 5	7.63	0.4	3	< 100	231	< 1	0.1	4.44	0.1	17	49.5	16	119	2.3	9.67	2.0	1.47	7.5	14.4	2.11	0.3	40.0
177643	< 5	6.07	0.3	2	< 100	184	< 1	0.3	6.15	0.1	16	46.0	20	101	2.3	8.02	1.5	1.95	7.7	12.6	1.70	0.2	31.4
177644	< 5	7.64	0.2	2	< 100	177	< 1	0.2	3.75	< 0.1	15	53.1	13	157	2.9	10.1	1.9	2.31	6.3	19.5	1.83	1.6	41.2
177645	8	7.37	0.2	5	< 100	174	< 1	0.2	6.93	< 0.1	13	43.5	71	55.9	12.3	7.84	1.1	3.23	5.7	16.2	0.107	< 0.1	56.4
177646	< 5	7.16	0.2	4	< 100	142	< 1	0.1	6.13	< 0.1	13	49.9	90	68.3	10.6	8.44	1.5	2.66	5.8	21.7	0.375	< 0.1	58.3
177647	< 5	7.26	0.8	2	< 100	135	< 1	0.1	6.44	< 0.1	15	49.7	78	68.3	12.1	8.24	1.3	2.84	6.3	21.9	0.272	< 0.1	59.2
177648	< 5	7.31	0.4	3	< 100	553	< 1	0.1	7.34	< 0.1	14	48.0	67	43.1	8.6	7.69	1.0	1.76	5.8	21.4	2.05	< 0.1	54.0
177649	< 5	7.04	0.3	4	< 100	248	< 1	0.2	6.56	0.1	13	44.4	67	32.3	5.0	7.87	1.3	1.11	5.6	17.2	3.23	0.2	55.0
177650	< 5	7.32	0.2	4	< 100	52	< 1	0.3	6.20	< 0.1	12	52.8	71	79.2	4.7	8.22	1.6	0.91	5.4	22.9	3.11	0.7	59.8
177651	< 5	6.17	0.2	3	< 100	64	< 1	0.2	9.93	0.2	13	36.4	63	50.2	7.1	7.60	1.3	1.42	5.4	18.1	1.79	0.3	53.1
177652	< 5	7.46	0.2	3	< 100	63	< 1	0.2	6.54	< 0.1	13	47.0	65	97.3	7.8	8.73	1.1	1.51	5.8	20.0	2.51	< 0.1	55.9
177653	< 5	7.29	0.1	3	< 100	55	< 1	0.2	7.93	0.1	13	41.4	117	90.1	5.0	7.75	1.0	0.99	5.9	17.5	3.07	< 0.1	55.2
177654	< 5	6.46	0.1	5	< 100	44	< 1	0.1	7.55	0.1	12	44.4	89	82.5	4.1	7.85	1.5	0.79	5.0	17.0	2.87	2.9	54.0
177655	< 5	7.62	0.1	2	< 100	50	< 1	0.1	5.56	< 0.1	11	46.3	104	90.7	3.3	8.72	1.5	0.72	4.5	17.7	3.45	0.1	56.4
177656	3540	7.05	1.9	11	> 2000	578	< 1	0.4	2.71	0.4	21	14.0	70	60.4	1.0	5.24	1.0	1.07	10.5	13.2	2.56	0.2	39.5
177657	< 5	7.11	0.9	2	< 100	61	< 1	0.3	6.61	< 0.1	14	46.3	68	72.6	2.9	8.04	1.6	0.73	6.3	19.0	2.95	0.3	54.4
177658	< 5	7.53	0.5	2	< 100	47	< 1	0.2	6.76	< 0.1	13	48.4	59	96.8	2.7	8.89	1.0	0.58	5.5	16.3	3.14	< 0.1	57.8
177659	< 5	7.51	0.4	3	< 100	38	< 1	0.2	6.79	< 0.1	12	47.1	59	92.1	2.3	8.34	1.0	0.38	5.2	16.3	3.13	< 0.1	56.5
177660	< 5	8.23	0.3	2	< 100	64	< 1	0.4	5.79	< 0.1	16	52.1	72	96.7	1.4	9.24	1.4	0.36	6.8	15.7	3.43	0.1	63.3
177661	< 5	7.49	0.4	5	< 100	69	< 1	0.4	5.94	< 0.1	14	48.7	70	85.6	1.0	8.74	1.6	0.18	5.9	13.7	3.61	3.0	56.9
177662	< 5	7.36	0.3	3	< 100	44	< 1	0.2	5.95	< 0.1	13	46.1	61	78.5	2.3	8.56	1.7	0.58	5.7	22.1	2.32	2.9	54.6
177663	10	7.66	0.2	1	< 100	64	< 1	0.1	6.02	< 0.1	15	47.6	72	99.8	3.1	9.03	1.8	0.78	6.4	23.2	1.82	0.7	47.9
177664	< 5	0.07	0.1	1	< 100	181	< 1	< 0.1	18.6	< 0.1	1	0.3	4	3.2	0.4	0.12	< 0.1	0.04	0.9	14.3	0.034	0.2	0.4

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
177641	0.051	47.9	6.2	< 1	3.32	1420	0.2	0.2	32	0.4	113	< 0.1	1.3	0.268	0.33	0.3	171	< 0.1	20.0	105	38.8
177642	0.047	48.2	3.3	< 1	3.49	1740	1.4	0.3	34	0.2	182	< 0.1	1.3	0.428	0.31	0.3	210	< 0.1	19.0	102	78.6
177643	0.036	60.9	4.3	1	2.71	1400	0.3	0.2	27	0.5	100	< 0.1	1.0	0.435	0.40	0.4	192	< 0.1	15.8	67	64.8
177644	0.049	83.3	2.5	< 1	3.79	1580	1.1	0.3	31	0.4	93	< 0.1	1.3	0.591	0.50	0.3	246	0.1	19.1	95	81.4
177645	0.038	218	3.0	< 1	2.19	1380	< 0.1	0.7	30	0.3	96	< 0.1	0.9	0.233	0.99	0.2	152	< 0.1	12.5	80	41.6
177646	0.025	180	4.9	< 1	2.65	1400	1.3	0.4	32	0.2	91	< 0.1	1.0	0.397	0.84	0.2	205	< 0.1	11.6	100	58.9
177647	0.032	192	2.6	< 1	2.66	1490	0.8	0.4	32	0.2	94	< 0.1	1.5	0.330	0.90	7.9	175	< 0.1	13.0	94	51.7
177648	0.034	118	3.2	< 1	2.36	1490	0.2	0.6	33	0.4	129	< 0.1	0.9	0.221	0.56	0.2	154	< 0.1	11.3	86	37.3
177649	0.029	76.1	3.8	< 1	1.98	1390	1.0	0.8	31	0.5	111	< 0.1	0.9	0.384	0.36	0.3	181	< 0.1	11.8	70	51.5
177650	0.038	59.8	4.1	< 1	2.49	1430	1.2	0.3	29	0.5	88	< 0.1	0.9	0.484	0.29	0.2	196	0.1	11.9	81	63.6
177651	0.036	104	5.0	< 1	2.07	1900	1.1	1.1	32	0.6	109	< 0.1	0.8	0.421	0.45	0.2	189	< 0.1	12.6	71	52.9
177652	0.037	118	6.7	< 1	2.60	1430	1.1	1.0	35	0.5	93	< 0.1	0.9	0.318	0.54	0.2	162	< 0.1	12.7	82	44.7
177653	0.034	68.4	3.8	< 1	2.24	1540	0.5	0.8	30	0.4	103	< 0.1	0.9	0.273	0.30	0.2	145	< 0.1	13.1	80	37.7
177654	0.036	44.2	3.7	< 1	2.26	1790	2.3	2.2	28	0.8	91	0.2	1.1	0.486	0.24	0.2	212	1.7	13.3	78	58.9
177655	0.044	50.4	1.9	< 1	2.59	1580	0.3	< 0.1	34	< 0.1	67	< 0.1	1.0	0.417	0.22	0.3	215	< 0.1	16.4	81	62.9
177656	0.079	28.3	18.2	< 1	1.31	872	6.3	0.5	15	1.8	298	< 0.1	2.0	0.393	0.26	0.9	128	0.3	15.1	91	39.5
177657	0.039	40.6	1.9	< 1	2.63	1540	1.1	0.4	32	0.8	65	< 0.1	1.0	0.459	0.19	0.3	210	0.1	15.1	75	64.6
177658	0.039	35.5	2.1	< 1	2.87	1650	1.0	0.2	34	0.3	78	< 0.1	1.0	0.253	0.15	0.2	148	< 0.1	17.8	82	37.8
177659	0.026	23.1	1.8	< 1	2.65	1810	0.9	0.6	32	0.5	85	< 0.1	1.0	0.254	0.09	1.5	147	< 0.1	17.8	89	37.6
177660	0.032	14.9	2.9	< 1	2.63	1780	0.6	0.4	37	0.3	91	< 0.1	1.1	0.387	0.06	0.3	189	< 0.1	18.8	88	52.2
177661	0.033	6.5	2.3	< 1	2.55	1980	1.6	1.0	30	0.8	87	0.2	1.0	0.523	< 0.05	0.2	239	1.1	17.7	84	64.4
177662	0.046	32.4	1.6	< 1	3.57	1520	2.0	0.9	33	0.5	60	0.1	0.9	0.528	0.14	0.2	234	0.7	17.1	81	67.9
177663	0.049	42.1	1.7	< 1	3.90	1460	0.6	0.2	35	0.2	80	< 0.1	1.0	0.461	0.19	0.9	225	< 0.1	19.0	86	72.1
177664	0.005	1.0	2.5	< 1	12.6	372	0.3	0.2	< 1	0.1	155	< 0.1	0.1	0.006	< 0.05	0.2	< 4	0.4	0.7	10	2.2

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		2.54	40.8	455	> 2000	715	< 1	1400	1.09	2.6	16	9.2	17	1220	3.2	27.2	0.4	0.06	8.0	7.0	0.055	0.5	41.8
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																							
GXR-4 Meas		6.81	4.1	107	500	128	2	19.9	1.15	0.4	119	15.9	57	6050	2.7	3.31	1.3	4.88	63.0	9.0	0.597	10.4	38.6
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		8.97		2		687	2		1.13		96	20.7	56	30.2	4.5	5.35	0.9	3.22	44.3	28.2	1.81	< 0.1	37.0
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		13.6	0.4	243	< 100	1350	< 1	0.2	0.18	0.1	36	15.0	58	65.4	4.8	5.98	1.9	2.23	13.7	27.6	0.108	0.2	24.6
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					63.6	220	93.3						3.7	3.7		1.4	272
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																		
OREAS 203 Meas	850																						
OREAS 203 Cert	871.000																						
SBC-1 Meas				26		573	3	0.7		0.3	113	24.8	97	30.0	8.9		3.1		54.2	133		11.1	89.3
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						1090	5	1.1		5.1	106	14.7	42	235	1.8		3.5		48.5	14.4		2.4	49.4
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
177645 Orig		7.23	0.2	6	< 100	172	< 1	0.2	6.84	< 0.1	12	42.8	67	55.2	11.8	7.69	1.2	3.17	5.4	16.2	0.106	< 0.1	55.2
177645 Dup		7.51	0.1	4	< 100	177	< 1	0.2	7.01	< 0.1	13	44.3	75	56.6	12.7	7.99	1.0	3.29	5.9	16.2	0.109	< 0.1	57.6
177647 Orig		7.27	1.1	2	< 100	135	< 1	0.1	6.41	0.1	15	49.8	81	67.4	12.0	8.18	1.4	2.83	6.4	21.7	0.271	< 0.1	58.5
177647 Dup		7.25	0.5	2	< 100	136	< 1	0.1	6.48	< 0.1	14	49.6	74	69.1	12.2	8.30	1.3	2.86	6.3	22.2	0.274	< 0.1	59.8
177650 Orig	< 5																						
177650 Dup	< 5																						
177660 Orig	< 5																						
177660 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 0.01	0.2	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 1	< 0.2	11	1.6	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.001	< 0.1	< 0.1
Method Blank	< 0.01	0.3	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 1	< 0.2	2	1.6	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.004	< 0.1	0.2
Method Blank	< 0.01	0.1	< 1	200	< 1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 1	< 0.2	3	1.0	< 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	0.088	3.0	745	< 1	0.20	1030	19.7	32.9	2	29.6	334	< 0.1	2.9	0.031	0.39	35.8	84	142	28.6	801	18.5	
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													899			2380						
DH-1a Cert													910			2629						
GXR-4 Meas	0.170	168	50.1	2	1.61	167	359	4.5	7	7.3	247	0.6	22.1	0.309	3.01	6.1	89	35.6	13.1	90	46.5	
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	0.067	135	23.4		0.99	1020		< 0.1	16	0.2	201	< 0.1	11.8	0.177	0.53	3.0	48	< 0.1		106	40.7	
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	0.029	90.1	102	< 1	0.56	1130	0.4	0.5	25	0.5	41	< 0.1	5.5		1.98	1.5	121	< 0.1	12.1	130	74.7	
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		3.7	5.6					0.3	32		147			0.325			149			15.8	64	40.0
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																						
OREAS 203 Meas																						
OREAS 203 Cert																						
SBC-1 Meas		161	35.1				2.7	1.0	21	3.1	199	0.4	16.2	0.553	0.83	5.8	224	1.3	30.5	193	132	
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		141	750				11.7		4		159	< 0.1	14.3			2.5	23	0.2	24.5	777	131	
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	
177645 Orig	0.038	214	3.0	< 1	2.15	1370	< 0.1	0.8	30	0.3	94	< 0.1	0.9	0.257	0.98	0.2	159	< 0.1	12.4	77	44.8	
177645 Dup	0.038	223	3.0	< 1	2.23	1400	< 0.1	0.6	31	0.2	98	< 0.1	1.0	0.208	1.00	0.2	146	< 0.1	12.5	82	38.4	
177647 Orig	0.031	191	2.7	< 1	2.66	1480	0.8	0.5	32	0.2	92	< 0.1	2.1	0.335	0.90	15.6	182	< 0.1	13.0	95	54.1	
177647 Dup	0.033	192	2.5	< 1	2.66	1500	0.8	0.3	31	0.2	95	< 0.1	1.0	0.325	0.90	0.2	168	< 0.1	13.0	94	49.2	
177650 Orig																						
177650 Dup																						
177660 Orig																						
177660 Dup																						
Method Blank																						
Method Blank																						
Method Blank	< 0.001	< 0.1	0.1	< 1	< 0.01	6	< 0.1	< 0.1	< 1	0.1	< 1	< 0.1	< 0.1	< 0.001	0.06	< 0.1	< 4	< 0.1	< 0.1	< 1	< 0.1	
Method Blank	< 0.001	< 0.1	0.3	< 1	< 0.01	13	0.2	0.2	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	0.09	< 0.1	< 4	< 0.1	< 0.1	< 1	0.2	
Method Blank	< 0.001	< 0.1	0.2	< 1	< 0.01	16	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	



Date Submitted: 22-Aug-16
Invoice No.: A16-08452
Invoice Date: 05-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08452**

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: 22-Aug-16
Invoice No.: A16-08452
Invoice Date: 05-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

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

REPORT **A16-08452**

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

Results

Activation Laboratories Ltd.

Report: A16-08452

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
177665	< 5	7.92	1.2	5	< 100	59	< 1	< 0.1	10.1	< 0.1	15	47.3	112	85.7	0.3	8.43	1.6	0.25	6.7	9.8	1.16	0.2	58.3
177666	< 5	8.07	0.6	2	< 100	141	< 1	< 0.1	6.64	0.1	15	50.6	89	101	0.7	8.91	1.4	0.57	6.4	13.5	2.65	< 0.1	59.4
177667	8	8.08	0.4	2	< 100	109	< 1	< 0.1	7.59	< 0.1	15	49.4	82	96.1	0.6	8.67	0.8	0.50	6.7	11.5	3.01	< 0.1	59.2
177668	< 5	8.21	0.2	2	< 100	111	< 1	< 0.1	7.61	< 0.1	15	49.8	61	87.1	0.5	8.42	1.4	0.40	6.5	11.7	2.59	< 0.1	57.3
177669	6	8.32	0.2	4	< 100	98	< 1	< 0.1	6.89	< 0.1	15	52.6	70	104	0.6	9.16	1.2	0.44	6.6	14.4	2.50	< 0.1	64.4
177670	7	8.43	0.2	3	< 100	107	< 1	< 0.1	7.40	< 0.1	15	53.1	72	100	0.8	9.41	1.5	0.54	6.8	12.5	2.25	0.8	63.7
177671	11	8.87	0.2	5	< 100	86	< 1	0.1	8.84	< 0.1	17	54.0	84	111	0.8	9.77	1.7	0.39	7.6	13.5	1.91	3.4	66.5
177672	362	8.94	0.2	161	1300	530	< 1	0.2	4.01	0.1	22	15.1	46	44.3	0.7	5.32	1.0	1.06	10.5	6.6	2.99	2.9	24.1
177673	< 5	8.29	0.2	3	< 100	104	< 1	0.2	8.82	0.1	15	51.4	76	131	0.6	8.61	1.6	0.40	6.8	9.5	2.76	3.3	62.5
177674	< 5	8.40	0.1	2	< 100	186	< 1	0.1	5.58	< 0.1	15	53.0	83	104	1.7	9.26	1.4	1.46	6.7	15.5	2.89	0.2	64.0
177675	< 5	6.44	1.2	3	< 100	123	< 1	0.1	8.00	0.1	14	46.5	98	99.0	1.0	8.08	1.7	1.00	6.4	12.2	2.91	3.1	55.8
177676	< 5	7.63	0.6	3	< 100	91	< 1	0.1	7.00	< 0.1	13	48.4	96	88.4	1.1	8.86	1.5	0.86	6.1	13.0	2.58	0.2	57.5
177677	7	7.08	1.0	4	< 100	111	< 1	0.3	7.47	< 0.1	14	46.8	93	73.9	0.7	8.06	1.6	0.97	5.8	11.9	3.33	1.4	56.1
177678	6	7.87	0.5	1	< 100	143	< 1	0.2	5.61	< 0.1	14	47.6	74	89.5	1.3	9.01	0.9	1.44	6.2	13.5	3.50	< 0.1	57.7
177679	< 5	7.88	0.3	2	< 100	105	< 1	< 0.1	6.84	< 0.1	15	50.5	67	97.6	1.1	8.35	1.0	0.92	6.4	12.6	2.29	< 0.1	60.3
177680	< 5	8.00	0.2	2	< 100	104	< 1	0.1	7.84	< 0.1	15	50.1	66	94.3	1.1	8.88	1.0	0.96	6.6	9.7	2.27	< 0.1	60.0
177681	< 5	8.21	0.2	2	< 100	102	< 1	0.1	8.08	< 0.1	15	51.5	71	116	1.0	9.04	1.3	0.99	6.4	10.0	2.34	0.1	65.4
177682	9	7.91	0.2	2	< 100	97	< 1	0.2	8.43	< 0.1	14	47.6	68	90.7	0.7	8.36	1.7	0.84	5.9	8.1	3.37	2.9	57.5
177683	< 5	8.29	0.1	2	< 100	104	< 1	< 0.1	6.23	< 0.1	15	52.6	76	104	1.2	9.58	1.6	1.06	6.8	14.4	2.63	3.3	62.2
177684	12	7.49	0.5	4	< 100	82	< 1	0.1	8.25	< 0.1	14	48.6	99	96.6	1.1	8.62	1.4	0.88	6.2	11.5	2.43	0.2	58.3
177685	< 5	7.58	0.4	2	< 100	82	< 1	0.2	7.40	< 0.1	14	47.8	78	97.5	0.9	8.31	1.4	0.92	6.0	10.8	3.13	0.2	56.7
177686	< 5	7.56	0.3	3	< 100	99	< 1	0.6	6.72	< 0.1	15	51.2	75	113	1.0	8.19	1.5	1.28	6.4	13.2	3.12	0.4	59.6
177687	< 5	7.66	0.2	2	< 100	113	< 1	0.2	6.60	< 0.1	13	46.2	66	93.2	1.3	7.91	1.0	1.59	5.9	14.9	3.17	< 0.1	57.9
177688	15	7.74	0.2	2	< 100	94	< 1	0.2	6.32	< 0.1	15	50.1	68	99.6	0.9	8.78	1.5	1.06	6.3	15.3	3.31	< 0.1	59.1
177689	48	8.27	0.2	3	< 100	112	< 1	0.3	7.16	< 0.1	15	52.0	77	95.2	0.8	8.91	1.7	0.72	6.6	14.6	2.91	3.3	63.5
177690	3060	7.34	0.6	14	> 2000	606	< 1	0.4	2.80	0.4	22	14.7	72	64.2	1.0	5.50	1.2	1.11	11.0	13.1	2.65	0.5	41.0
177691	< 5	7.97	1.2	3	< 100	95	< 1	0.2	7.29	< 0.1	15	50.1	93	103	0.7	8.53	1.4	0.60	6.3	9.2	2.97	0.3	59.5
177692	< 5	6.96	0.5	4	< 100	39	< 1	0.1	10.2	< 0.1	13	44.1	102	77.5	0.5	7.93	1.4	0.25	5.8	8.3	1.53	3.1	52.5
177693	6	7.40	0.4	2	< 100	74	< 1	0.2	8.65	< 0.1	14	47.6	86	90.0	1.5	8.05	1.3	0.64	6.2	14.5	1.72	< 0.1	55.8
177694	13	7.57	0.3	2	< 100	152	< 1	0.2	7.08	< 0.1	13	47.7	84	104	1.2	8.45	1.3	1.08	5.3	11.8	3.26	< 0.1	58.3
177695	< 5	8.11	0.2	3	< 100	114	< 1	0.2	8.87	< 0.1	15	51.6	78	111	0.7	9.10	1.0	0.58	6.4	7.5	2.36	< 0.1	63.2
177696	< 5	7.91	0.2	3	< 100	192	< 1	0.1	5.55	0.1	15	47.8	57	107	2.4	9.01	0.9	1.36	6.5	22.6	2.37	< 0.1	57.4
177697	< 5	8.23	0.2	3	< 100	174	< 1	< 0.1	6.55	< 0.1	15	52.1	62	104	2.1	9.65	1.6	1.04	6.9	18.1	1.58	1.3	62.0
177698	< 5	0.10	0.1	< 1	< 100	112	< 1	< 0.1	19.1	< 0.1	1	0.3	1	0.9	0.4	0.13	< 0.1	0.08	0.6	11.3	0.035	0.2	< 0.1

Results

Activation Laboratories Ltd.

Report: A16-08452

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	
177665	0.036	9.3	3.6	< 1	2.27	1670	0.6	< 0.1	34	0.1	281	< 0.1	1.1	0.444	0.08	0.3	227	< 0.1	18.3	73	62.7	
177666	0.035	20.3	3.0	< 1	3.02	1840	0.2	< 0.1	37	0.3	215	< 0.1	1.0	0.355	0.15	0.3	198	< 0.1	18.8	96	56.9	
177667	0.036	17.9	2.9	< 1	2.58	1850	< 0.1	< 0.1	37	0.5	249	< 0.1	0.9	0.234	0.11	0.2	157	< 0.1	19.0	85	31.6	
177668	0.041	14.6	3.4	< 1	2.70	1780	0.1	< 0.1	36	< 0.1	221	< 0.1	1.0	0.376	0.08	0.3	203	< 0.1	19.0	88	57.0	
177669	0.031	15.2	2.7	< 1	2.96	1940	0.1	0.2	37	0.4	199	< 0.1	1.0	0.303	0.08	0.3	166	< 0.1	19.2	94	42.2	
177670	0.041	19.6	3.8	< 1	2.78	2020	0.4	0.2	37	0.4	291	< 0.1	1.0	0.492	0.09	0.2	226	< 0.1	19.3	92	54.3	
177671	0.042	14.6	4.4	< 1	2.61	1970	0.5	0.6	40	0.7	330	0.3	1.1	0.632	0.07	0.3	286	0.6	20.9	92	64.5	
177672	0.067	23.2	13.3	< 1	1.37	1110	4.6	1.2	18	1.6	358	0.2	2.2	0.372	0.12	0.8	134	1.4	18.1	65	32.4	
177673	0.036	13.6	3.6	< 1	2.41	1830	1.8	0.7	35	0.7	262	0.2	1.0	0.572	0.07	0.3	256	0.9	19.7	87	65.3	
177674	0.041	59.0	4.2	< 1	3.22	1790	0.2	0.3	37	0.5	256	< 0.1	1.0	0.446	0.32	0.3	211	< 0.1	19.5	93	56.2	
177675	0.037	21.0	4.2	< 1	2.51	1820	1.4	0.8	27	0.7	230	0.2	0.7	0.525	0.26	0.2	237	1.4	15.3	93	62.1	
177676	0.035	30.6	3.3	< 1	2.83	1830	0.8	0.1	34	0.3	186	< 0.1	0.9	0.458	0.20	0.2	225	< 0.1	17.9	94	58.8	
177677	0.045	31.1	9.3	< 1	2.12	1530	1.9	0.1	33	0.7	158	< 0.1	0.9	0.528	0.19	0.2	234	0.5	18.3	89	66.4	
177678	0.037	56.4	4.6	< 1	2.98	1710	0.1	0.1	35	0.3	165	< 0.1	0.9	0.216	0.33	0.2	156	< 0.1	17.9	102	32.7	
177679	0.037	35.2	4.7	< 1	2.59	1860	< 0.1	< 0.1	33	0.3	329	< 0.1	1.0	0.298	0.18	0.2	155	< 0.1	18.2	91	39.1	
177680	0.040	36.6	4.7	< 1	2.77	1900	0.2	0.2	37	0.4	297	< 0.1	1.0	0.283	0.21	0.2	169	< 0.1	18.1	93	38.7	
177681	0.033	40.3	4.9	< 1	2.86	1940	0.5	0.3	36	0.4	302	< 0.1	1.0	0.371	0.22	0.3	192	< 0.1	19.1	96	50.7	
177682	0.044	30.4	4.4	< 1	2.30	1730	1.2	0.4	34	0.7	234	0.1	0.9	0.551	0.16	0.2	241	0.9	18.1	85	68.6	
177683	0.040	41.0	3.7	< 1	3.38	1940	0.5	0.6	37	0.7	238	0.2	1.0	0.596	0.23	0.3	260	0.8	19.2	95	67.6	
177684	0.036	33.9	4.9	< 1	2.66	1760	0.6	0.1	35	0.7	258	< 0.1	0.9	0.404	0.27	0.2	201	< 0.1	17.7	88	56.2	
177685	0.029	33.6	4.6	< 1	2.59	1600	2.0	0.2	34	0.6	245	< 0.1	0.9	0.450	0.19	0.2	222	< 0.1	17.3	93	62.8	
177686	0.040	45.4	4.7	< 1	2.54	1640	0.7	0.2	34	0.7	190	< 0.1	0.9	0.477	0.28	0.3	217	< 0.1	18.1	84	54.4	
177687	0.040	61.3	3.7	< 1	2.43	1580	0.3	0.2	33	0.4	121	< 0.1	0.9	0.257	0.35	0.3	152	< 0.1	16.9	82	35.8	
177688	0.039	39.7	3.6	< 1	2.58	1650	0.6	0.3	35	0.6	169	< 0.1	1.0	0.488	0.21	0.2	228	< 0.1	18.0	92	56.5	
177689	0.047	24.9	6.2	< 1	2.62	1640	2.9	0.8	37	0.7	162	0.2	1.0	0.586	0.13	0.3	263	2.1	19.3	98	62.9	
177690	0.075	27.6	17.8	< 1	1.36	924	3.5	1.7	15	1.3	311	< 0.1	2.1	0.347	0.21	0.9	120	0.2	15.8	96	41.5	
177691	0.048	20.9	3.9	< 1	2.45	1650	0.6	0.3	36	0.5	147	< 0.1	1.1	0.412	0.13	0.2	214	< 0.1	19.0	87	47.3	
177692	0.030	3.3	3.4	< 1	2.37	1660	1.5	0.7	31	0.5	145	0.2	0.8	0.509	0.06	0.2	233	0.9	16.4	75	57.7	
177693	0.044	26.4	3.6	< 1	2.49	1620	0.4	0.1	33	0.4	145	< 0.1	0.9	0.399	0.16	0.2	205	< 0.1	17.9	84	52.0	
177694	0.032	40.5	4.2	< 1	2.44	1600	0.3	< 0.1	34	0.4	105	< 0.1	0.9	0.372	0.21	0.2	197	< 0.1	17.6	87	53.3	
177695	0.035	18.1	5.0	< 1	2.75	1840	0.3	0.5	38	0.6	216	< 0.1	1.0	0.294	0.10	0.3	176	< 0.1	19.1	92	37.5	
177696	0.032	56.1	2.5	< 1	4.13	1460	0.2	< 0.1	35	0.4	139	< 0.1	1.0	0.306	0.31	0.7	187	< 0.1	18.2	115	40.6	
177697	0.041	45.2	3.1	< 1	4.29	1660	0.3	0.2	36	0.6	288	< 0.1	1.0	0.568	0.24	0.2	252	< 0.1	18.8	95	65.8	
177698	< 0.001	1.6	2.8	< 1	12.9	350	0.2	0.1	< 1	< 0.1	139	< 0.1	0.1	0.006	0.05	0.2	< 4	0.2	0.6	16	2.1	

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		2.54	40.8	455	> 2000	715	< 1	1400	1.09	2.6	16	9.2	17	1220	3.2	27.2	0.4	0.06	8.0	7.0	0.055	0.5	41.8
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																							
GXR-4 Meas		6.81	4.1	107	500	128	2	19.9	1.15	0.4	119	15.9	57	6050	2.7	3.31	1.3	4.88	63.0	9.0	0.597	10.4	38.6
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		8.97		2		687	2		1.13		96	20.7	56	30.2	4.5	5.35	0.9	3.22	44.3	28.2	1.81	< 0.1	37.0
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		13.6	0.4	243	< 100	1350	< 1	0.2	0.18	0.1	36	15.0	58	65.4	4.8	5.98	1.9	2.23	13.7	27.6	0.108	0.2	24.6
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					63.6	220	93.3						3.7	3.7		1.4	272
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																		
OREAS 203 Meas	863																						
OREAS 203 Cert	871.000																						
SBC-1 Meas				26		573	3	0.7		0.3	113	24.8	97	30.0	8.9		3.1		54.2	133		11.1	89.3
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						1090	5	1.1		5.1	106	14.7	42	235	1.8		3.5		48.5	14.4		2.4	49.4
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
OREAS 251 Meas	506																						
OREAS 251 Cert	504																						
177674 Orig	5																						
177674 Dup	< 5																						
177684 Orig	11																						
177684 Dup	12																						
177688 Orig		7.69	0.2	2	< 100	94	< 1	0.2	6.17	< 0.1	15	50.0	66	90.7	1.0	8.68	1.3	1.05	6.3	15.2	3.27	< 0.1	59.5
177688 Dup		7.80	0.2	3	< 100	95	< 1	0.2	6.48	< 0.1	15	50.1	70	109	0.9	8.87	1.7	1.07	6.3	15.4	3.34	2.0	58.8
177694 Orig	13																						
177694 Dup	12																						
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	11	1.6	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.001	< 0.1	< 0.1
Method Blank		< 0.01	0.3	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	1.6	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.004	< 0.1	0.2
Method Blank		< 0.01	0.1	< 1	200	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	1.0	< 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	0.088	3.0	745	< 1	0.20	1030	19.7	32.9	2	29.6	334	< 0.1	2.9	0.031	0.39	35.8	84	142	28.6	801	18.5	
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													899			2380						
DH-1a Cert													910			2629						
GXR-4 Meas	0.170	168	50.1	2	1.61	167	359	4.5	7	7.3	247	0.6	22.1	0.309	3.01	6.1	89	35.6	13.1	90	46.5	
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	0.067	135	23.4		0.99	1020		< 0.1	16	0.2	201	< 0.1	11.8	0.177	0.53	3.0	48	< 0.1		106	40.7	
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	0.029	90.1	102	< 1	0.56	1130	0.4	0.5	25	0.5	41	< 0.1	5.5		1.98	1.5	121	< 0.1	12.1	130	74.7	
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		3.7	5.6					0.3	32		147			0.325			149			15.8	64	40.0
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																						
OREAS 203 Meas																						
OREAS 203 Cert																						
SBC-1 Meas		161	35.1				2.7	1.0	21	3.1	199	0.4	16.2	0.553	0.83	5.8	224	1.3	30.5	193	132	
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		141	750				11.7		4		159	< 0.1	14.3			2.5	23	0.2	24.5	777	131	
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 Meas																						
OREAS 251 Cert																						
177674 Orig																						
177674 Dup																						
177684 Orig																						
177684 Dup																						
177688 Orig	0.032	39.1	3.7	< 1	2.56	1630	0.4	0.3	35	0.6	166	< 0.1	1.0	0.428	0.20	0.2	210	< 0.1	17.8	91	50.9	
177688 Dup	0.046	40.3	3.6	< 1	2.61	1660	0.9	0.4	35	0.5	171	< 0.1	1.0	0.549	0.21	0.2	246	0.4	18.2	94	62.1	
177694 Orig																						
177694 Dup																						
Method Blank																						
Method Blank																						
Method Blank	< 0.001	< 0.1	0.1	< 1	< 0.01	6	< 0.1	< 0.1	< 1	0.1	< 1	< 0.1	< 0.1	< 0.001	0.06	< 0.1	< 4	< 0.1	< 0.1	< 1	< 0.1	
Method Blank	< 0.001	< 0.1	0.3	< 1	< 0.01	13	0.2	0.2	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	0.09	< 0.1	< 4	< 0.1	< 0.1	< 1	0.2	
Method Blank	< 0.001	< 0.1	0.2	< 1	< 0.01	16	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	



Date Submitted: 26-Aug-16
Invoice No.: A16-08659Final2
Invoice Date: 05-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

16 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08659Final2**

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



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

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé", written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

Date Submitted: 26-Aug-16
Invoice No.: A16-08659Final2
Invoice Date: 05-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

16 Core samples were submitted for analysis.

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

REPORT **A16-08659Final2**

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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

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Results

Activation Laboratories Ltd.

Report: A16-08659

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
177619	< 5	6.34	0.5	3	< 100	88	< 1	0.2	6.13	0.1	13	44.6	88	106	1.0	8.27	1.4	0.45	6.0	8.4	2.13	2.0	58.5
177620	< 5	6.18	0.3	2	< 100	153	< 1	0.2	4.99	< 0.1	12	44.4	85	103	1.7	8.11	1.5	1.16	5.5	13.0	2.18	1.2	59.4
177621	16	6.52	0.3	2	< 100	122	< 1	0.2	5.49	< 0.1	13	47.2	78	97.8	2.0	8.45	0.6	1.01	5.8	21.7	1.72	< 0.1	62.3
177622	3510	6.09	0.7	11	> 2000	578	< 1	0.4	2.51	0.4	20	14.0	62	69.4	1.1	5.16	1.1	0.96	10.3	13.2	2.22	1.3	41.1
177623	14	6.76	0.3	2	< 100	114	< 1	< 0.1	5.12	< 0.1	13	47.9	57	110	2.0	8.76	1.3	1.03	6.0	21.6	1.58	0.2	65.0
177624	8	6.87	1.3	2	< 100	110	< 1	< 0.1	5.90	< 0.1	14	49.2	58	109	1.6	9.12	1.6	0.82	6.1	16.2	1.47	0.5	63.9
177625	6	7.00	0.7	2	< 100	142	< 1	< 0.1	5.46	< 0.1	14	49.6	65	121	2.0	9.03	1.8	0.92	6.5	18.8	1.67	1.8	66.6
177626	5	7.00	0.3	5	< 100	135	< 1	< 0.1	5.67	< 0.1	13	50.4	65	113	2.0	9.09	1.7	0.93	6.1	18.6	1.73	2.7	69.1

Results

Activation Laboratories Ltd.

Report: A16-08659

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
177619	0.032	16.5	3.9	< 1	2.70	1540	1.3	0.3	31	0.8	170	0.1	0.9	0.482	< 0.05	0.2	213	0.4	16.0	91	56.1
177620	0.032	47.3	4.1	< 1	3.50	1390	0.8	0.1	29	0.7	192	< 0.1	0.8	0.448	0.22	0.2	201	0.2	15.0	95	62.4
177621	0.037	47.7	3.7	< 1	3.52	1430	0.8	< 0.1	29	0.6	186	< 0.1	0.8	0.171	0.18	0.2	121	< 0.1	16.3	102	26.4
177622	0.063	24.8	17.2	< 1	1.19	792	3.2	1.7	15	1.1	280	< 0.1	1.9	0.290	0.12	0.9	102	1.6	14.9	100	41.5
177623	0.037	51.3	2.7	< 1	3.96	1230	0.2	0.2	32	0.7	217	< 0.1	0.9	0.396	0.23	0.2	177	< 0.1	15.8	93	52.8
177624	0.036	41.0	3.3	< 1	3.54	1640	0.5	0.2	36	0.3	304	< 0.1	1.0	0.472	0.15	0.2	217	< 0.1	18.0	102	65.9
177625	0.042	44.6	2.6	< 1	3.78	1490	0.4	0.3	32	0.5	234	< 0.1	1.0	0.513	0.18	0.2	226	0.1	17.6	102	72.0
177626	0.035	51.0	2.8	< 1	3.98	1490	0.8	0.7	35	0.7	236	0.2	1.0	0.513	0.19	0.3	226	0.3	17.4	99	65.8

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	0.01	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		2.10	36.9	416	> 2000	720	< 1	1640	0.97	2.5	15	8.6	19	1340	3.0	26.4	0.4	0.05	7.7	7.0	0.046	0.4	44.1
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		5.97	3.9	101	500	83	1	20.3	1.03	0.3	113	15.0	43	7220	2.8	3.24	1.1	4.27	61.4	10.0	0.515	10.2	42.8
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
SDC-1 Meas		7.55		< 1		683	2		1.03		89	18.7	118	34.7	4.3	5.09	1.0	2.91	42.9	28.2	1.51	< 0.1	36.9
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
DNC-1a Meas						108						61.0	197	114					3.8	3.7		1.5	288
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
OREAS 45d (Fire Assay) Meas					200																		
OREAS 45d (Fire Assay) Cert					23																		
OREAS 203 Meas	850																						
OREAS 203 Cert	871.000																						
OREAS 203 Meas	845																						
OREAS 203 Cert	871.000																						
SBC-1 Meas				27		694	2	0.7		0.4	102	22.9	93	32.8	8.2		3.2		50.7	133		12.2	87.2
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
SdAR-M2 (U.S.G.S.) Meas						1100	4	1.2		5.6	95	14.0	43	273	1.8		3.4		43.8	15.7		2.1	54.0
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 Meas	489																						
OREAS 251 Cert	504																						
177620 Orig	< 5																						
177620 Dup	5																						
177626 Orig		7.06	0.4	7	< 100	138	< 1	0.1	5.70	< 0.1	14	50.3	65	114	2.2	9.15	1.7	0.93	6.2	18.5	1.74	2.9	69.7
177626 Dup		6.94	0.3	3	< 100	132	< 1	< 0.1	5.64	0.1	13	50.5	65	113	1.8	9.03	1.7	0.92	6.1	18.8	1.71	2.5	68.5
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	3	0.5	< 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	3	0.6	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	0.2	0.002	< 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	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	0.063	2.7	812	< 1	0.19	905	19.2	25.0	2	27.8	306	< 0.1	3.0	0.029	0.30	36.0	77	141	26.8	862	19.3
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													941			2560					
DH-1a Cert													910			2629					
GXR-4 Meas	0.133	154	49.9	2	1.45	152	359	4.9	7	7.8	226	0.6	18.8	0.296	2.96	5.7	82	34.1	12.3	77	42.2
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	0.067	125	22.9		0.87	908		< 0.1	14	0.5	187	< 0.1	10.9	0.201	0.45	2.6	48	< 0.1		109	40.4
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
DNC-1a Meas		3.8	5.8					0.4	28		145			0.322			140		15.1	70	41.1
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																					
OREAS 203 Meas																					
OREAS 203 Cert																					
OREAS 203 Meas																					
OREAS 203 Cert																					
SBC-1 Meas		143	32.9				4.0	1.5	18	3.8	182	0.4	14.5	0.536	0.67	5.2	196	1.3	28.0	202	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
SdAR-M2 (U.S.G.S.) Meas		156	807				7.1		4		153	0.1	12.1			2.1	17	0.1	22.3	859	116
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 Meas																					
OREAS 251 Cert																					
177620 Orig																					
177620 Dup																					
177626 Orig	0.034	51.6	2.8	< 1	4.01	1520	0.8	0.6	35	0.7	238	0.2	1.0	0.520	0.18	0.3	227	0.3	17.6	100	67.1
177626 Dup	0.037	50.3	2.9	< 1	3.95	1470	0.8	0.8	35	0.7	233	0.1	0.9	0.505	0.19	0.3	225	0.2	17.2	97	64.6
Method Blank																					
Method Blank																					
Method Blank																					
Method Blank	< 0.001	< 0.1	0.3	< 1	< 0.01	2	< 0.1	0.4	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.4
Method Blank	0.002	< 0.1	0.2	< 1	< 0.01	5	< 0.1	0.4	< 1	0.4	2	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	5



Date Submitted: 26-Aug-16
Invoice No.: A16-08666
Invoice Date: 04-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08666**

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

Date Submitted: 26-Aug-16
Invoice No.: A16-08666
Invoice Date: 04-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

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

REPORT **A16-08666**

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

Results

Activation Laboratories Ltd.

Report: A16-08666

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
177835	< 5	6.67	0.4	3	< 100	70	< 1	< 0.1	6.95	0.1	14	47.0	94	103	0.5	8.61	1.4	0.26	6.6	12.0	1.87	< 0.1	62.3
177836	< 5	6.68	0.3	3	< 100	79	< 1	< 0.1	6.95	< 0.1	14	50.8	85	117	0.5	8.44	1.1	0.30	6.4	10.7	2.20	< 0.1	65.9
177837	6	6.84	0.2	3	< 100	114	< 1	0.1	5.96	< 0.1	15	54.5	75	128	0.5	8.80	1.0	0.46	6.7	10.7	2.68	0.1	67.5
177838	< 5	6.75	0.2	2	< 100	66	< 1	< 0.1	7.93	< 0.1	14	48.0	69	100	0.3	8.33	1.4	0.25	6.1	8.4	1.60	< 0.1	63.0
177839	< 5	6.75	0.9	4	< 100	180	< 1	< 0.1	5.88	< 0.1	14	51.1	63	123	1.2	9.16	1.3	0.62	6.5	16.3	1.82	< 0.1	64.9
177840	< 5	7.12	0.4	1	< 100	93	< 1	< 0.1	6.51	< 0.1	15	51.4	66	122	0.6	9.38	1.5	0.36	6.9	12.8	1.97	0.4	67.8
177841	< 5	6.72	0.2	2	< 100	80	< 1	< 0.1	6.83	< 0.1	13	46.0	116	118	0.5	7.92	1.3	0.28	5.8	11.5	2.16	0.3	61.9
177842	440	7.21	0.3	118	300	495	< 1	0.1	3.47	0.1	19	13.9	35	49.7	0.6	4.94	0.7	0.89	9.4	6.5	2.42	0.4	23.5
177843	< 5	5.90	0.2	3	< 100	79	< 1	0.1	6.10	< 0.1	12	48.7	91	105	0.6	8.16	1.6	0.34	5.0	16.0	2.15	3.3	62.5
177844	7	5.81	0.2	4	< 100	363	< 1	0.4	7.25	< 0.1	11	43.4	83	150	0.7	7.46	1.5	0.74	5.2	9.0	3.22	2.8	56.5
177856	< 5	6.38	0.1	3	< 100	72	< 1	0.2	6.55	0.1	13	49.6	95	118	0.7	8.62	1.6	0.59	6.0	9.7	2.04	0.8	64.8
177857	10	6.51	0.1	< 1	< 100	95	< 1	0.2	6.70	< 0.1	14	47.9	72	131	1.1	8.42	1.4	0.91	6.2	11.7	2.50	0.2	63.6
177858	8	5.99	0.2	< 1	100	141	< 1	0.9	7.19	< 0.1	13	43.8	60	145	1.3	7.88	1.4	1.23	6.0	11.2	2.60	0.2	56.0
177859	22	7.14	1.3	2	< 100	104	< 1	0.9	5.76	< 0.1	14	52.4	69	143	1.1	8.99	1.6	0.96	6.3	10.7	3.37	0.2	68.4
177860	3670	6.32	1.1	11	> 2000	608	< 1	0.4	2.63	0.3	21	14.2	67	105	1.1	5.42	1.0	0.99	10.8	13.4	2.31	1.2	51.0
177861	11	6.79	0.6	2	< 100	110	< 1	0.4	5.98	< 0.1	14	48.6	57	113	1.0	8.25	1.5	1.29	6.3	10.5	3.17	0.2	63.2
177862	33	6.49	0.5	2	100	97	< 1	0.5	5.89	< 0.1	13	50.5	67	128	1.2	8.80	1.6	1.06	5.9	14.2	2.63	1.6	61.9
177863	11	6.40	0.3	2	< 100	111	< 1	0.5	6.99	< 0.1	13	48.9	67	118	1.1	8.35	1.5	1.01	5.9	11.8	2.97	1.6	61.3
177864	9	6.20	0.4	2	< 100	107	< 1	0.8	5.93	0.1	13	45.4	66	114	1.5	8.26	1.6	1.19	6.1	15.6	2.26	0.3	57.2
177865	< 5	5.79	0.2	3	< 100	106	< 1	0.3	5.11	< 0.1	10	46.4	89	112	1.6	8.64	1.5	1.11	4.1	11.7	1.81	3.2	53.4
177866	< 5	6.60	0.2	3	< 100	122	< 1	0.3	4.92	< 0.1	14	47.4	92	116	2.2	8.86	1.7	1.29	6.3	12.1	1.64	1.9	60.5
177867	< 5	6.74	0.1	2	100	134	< 1	0.2	5.03	< 0.1	13	49.7	85	114	1.8	8.88	1.2	1.33	6.0	12.9	1.80	< 0.1	71.7
177868	< 5	0.08	0.1	1	< 100	106	< 1	< 0.1	18.4	< 0.1	2	0.5	3	1.7	0.5	0.10	< 0.1	0.06	1.1	12.3	0.024	0.2	0.5
177869	< 5	7.20	1.2	2	< 100	116	< 1	0.1	6.16	< 0.1	14	51.4	54	117	1.4	9.51	0.7	0.90	6.7	11.6	1.82	< 0.1	74.6
177870	6	7.31	0.6	3	< 100	105	< 1	0.1	6.15	< 0.1	14	52.2	66	125	1.0	9.52	1.6	0.83	6.7	11.5	1.68	0.7	74.4
177871	6	7.01	0.4	3	600	134	< 1	0.1	6.25	< 0.1	14	51.2	56	113	1.4	9.31	1.3	0.99	6.5	10.3	1.93	0.2	71.4
177872	< 5	6.90	0.3	3	< 100	113	< 1	0.2	6.45	< 0.1	14	50.6	62	117	1.1	9.15	1.7	0.85	6.3	10.6	2.38	3.1	74.4
177873	5	7.23	0.2	4	< 100	99	< 1	< 0.1	5.93	< 0.1	14	53.9	64	124	1.2	9.70	1.5	0.71	6.6	14.8	1.58	3.1	81.1
177874	< 5	7.12	0.2	4	< 100	143	< 1	< 0.1	5.75	< 0.1	14	53.9	68	121	1.4	9.61	1.6	0.82	6.6	16.9	1.35	3.4	82.5
177875	< 5	6.65	0.2	1	< 100	86	< 1	< 0.1	6.35	< 0.1	14	47.7	64	103	1.0	9.09	1.5	0.55	6.1	13.4	1.01	0.4	70.2
177876	504	5.68	0.2	140	500	475	< 1	0.1	3.22	< 0.1	11	13.5	44	79.8	0.6	4.76	0.9	0.84	4.6	5.7	2.34	3.1	23.1
177877	< 5	6.56	0.1	4	< 100	146	< 1	< 0.1	5.82	< 0.1	14	49.6	87	105	1.0	9.03	1.5	0.75	6.3	13.5	1.22	2.8	61.7
177878	< 5	6.68	0.1	1	< 100	86	< 1	< 0.1	6.86	< 0.1	14	48.6	91	112	0.6	8.46	1.5	0.40	6.1	11.3	1.68	< 0.1	63.8
177879	< 5	6.53	1.3	2	< 100	150	< 1	< 0.1	6.40	< 0.1	14	44.1	80	104	0.7	7.98	1.0	0.56	6.0	12.1	1.81	< 0.1	61.5

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
177835	0.027	9.5	3.3	< 1	2.50	1730	0.2	< 0.1	33	0.2	213	< 0.1	0.9	0.352	< 0.05	0.3	189	< 0.1	17.5	95	57.2
177836	0.034	9.3	3.1	< 1	2.16	1660	0.1	< 0.1	34	0.3	229	< 0.1	0.9	0.270	< 0.05	0.3	160	< 0.1	18.3	94	43.4
177837	0.040	14.3	5.9	< 1	2.43	1680	0.1	< 0.1	35	0.5	200	< 0.1	1.0	0.288	< 0.05	0.3	154	< 0.1	18.9	109	38.7
177838	0.038	8.8	3.0	< 1	2.24	1520	0.1	0.1	33	0.3	232	< 0.1	0.9	0.335	< 0.05	0.2	192	< 0.1	17.1	86	55.8
177839	0.035	33.4	2.3	< 1	2.98	1740	0.7	0.2	33	0.7	159	< 0.1	1.0	0.433	0.10	0.2	195	< 0.1	18.1	109	54.9
177840	0.031	14.5	3.2	< 1	2.61	1830	0.2	< 0.1	37	0.3	230	< 0.1	1.0	0.431	< 0.05	5.4	220	< 0.1	18.7	102	64.7
177841	0.020	11.3	3.0	< 1	2.16	1530	0.2	0.2	31	0.2	209	< 0.1	1.0	0.361	< 0.05	0.2	186	< 0.1	16.9	92	53.7
177842	0.064	18.6	13.6	< 1	1.17	927	1.0	0.6	17	0.9	315	< 0.1	1.8	0.188	< 0.05	0.7	81	0.1	16.9	68	24.3
177843	0.035	3.9	3.0	< 1	2.36	1640	0.6	0.9	29	1.0	238	0.2	0.6	0.512	< 0.05	1.2	228	1.0	15.0	104	60.0
177844	0.039	23.5	4.5	1	1.83	1330	3.5	0.7	30	0.8	158	0.2	0.8	0.472	0.06	0.2	205	3.4	16.1	89	65.2
177856	0.039	22.7	4.1	< 1	2.38	1540	0.8	0.1	30	1.1	231	< 0.1	0.9	0.497	< 0.05	0.2	223	0.1	16.5	102	66.7
177857	0.023	36.6	5.0	< 1	2.71	1540	0.3	0.2	32	1.0	217	< 0.1	0.8	0.408	0.12	0.2	205	< 0.1	17.0	96	62.3
177858	0.033	43.4	10.6	1	2.22	1410	2.9	0.2	30	0.7	105	< 0.1	0.8	0.400	0.17	0.2	204	< 0.1	16.5	99	60.1
177859	0.042	31.6	12.4	1	2.47	1600	0.5	0.2	34	0.9	117	< 0.1	1.0	0.469	0.13	0.3	218	< 0.1	18.3	130	64.2
177860	0.078	26.0	17.4	< 1	1.24	827	2.4	1.7	14	1.2	293	< 0.1	1.9	0.223	0.14	0.9	89	1.4	15.1	105	38.5
177861	0.043	47.8	8.2	< 1	2.38	1520	0.5	0.3	33	0.9	133	< 0.1	0.9	0.459	0.21	0.3	202	0.1	17.4	100	59.1
177862	0.026	40.6	16.2	< 1	2.74	1660	1.0	0.1	32	0.9	126	< 0.1	0.9	0.487	0.13	0.2	215	0.4	16.6	126	70.5
177863	0.026	38.2	8.4	< 1	2.57	1680	1.5	0.2	32	0.9	117	< 0.1	0.9	0.478	0.14	0.2	215	0.3	16.6	121	66.6
177864	0.032	47.0	8.9	< 1	3.15	1460	4.5	0.2	30	0.8	147	< 0.1	0.8	0.445	0.19	0.2	209	< 0.1	16.8	104	67.4
177865	0.033	26.0	6.7	< 1	3.43	1420	1.0	1.4	26	0.8	184	0.2	0.5	0.507	0.18	0.2	229	0.7	13.5	93	69.0
177866	0.033	63.3	6.1	< 1	3.58	1450	0.6	0.1	33	0.5	165	< 0.1	0.9	0.513	0.24	0.2	226	0.2	17.1	95	71.6
177867	0.035	58.4	4.8	< 1	3.71	1570	0.1	< 0.1	33	0.5	188	< 0.1	0.9	0.351	0.23	0.2	188	< 0.1	17.1	100	52.3
177868	0.006	1.9	2.6	< 1	10.5	307	0.2	0.3	< 1	0.4	158	< 0.1	< 0.1	0.007	< 0.05	0.2	< 4	0.2	0.7	14	1.9
177869	0.024	36.4	37.7	< 1	3.84	1700	0.1	0.3	37	0.5	212	< 0.1	0.9	0.194	0.13	0.2	130	< 0.1	18.6	103	28.6
177870	0.041	31.9	11.8	< 1	3.91	1730	0.5	1.1	36	0.9	209	< 0.1	1.0	0.507	0.09	0.3	221	< 0.1	18.8	106	64.4
177871	0.038	39.6	5.2	< 1	3.76	1660	0.6	0.7	32	1.2	195	< 0.1	0.9	0.430	0.12	0.2	193	< 0.1	17.7	104	60.0
177872	0.029	33.9	7.4	< 1	3.70	1620	0.9	0.6	34	0.8	224	0.1	0.9	0.538	0.08	0.2	235	0.5	17.6	110	75.2
177873	0.048	28.7	3.6	< 1	3.96	1720	0.4	0.6	36	0.9	222	0.2	0.9	0.573	0.07	0.2	244	0.4	18.4	108	64.2
177874	0.045	35.8	8.4	< 1	4.15	1680	0.4	0.5	36	1.0	186	0.2	0.9	0.563	0.10	0.5	241	0.3	18.1	111	65.0
177875	0.036	22.7	4.3	< 1	3.63	1510	0.1	< 0.1	32	0.3	208	< 0.1	0.9	0.388	< 0.05	0.2	203	< 0.1	17.7	99	63.5
177876	0.049	11.0	11.8	< 1	1.08	938	4.7	2.4	12	1.6	297	0.2	0.6	0.345	< 0.05	0.6	118	1.3	10.3	66	31.1
177877	0.049	29.0	3.2	< 1	3.48	1470	0.4	0.3	31	0.8	204	0.2	0.9	0.536	0.06	0.2	228	0.3	17.3	99	66.2
177878	0.027	15.8	3.2	< 1	2.87	1480	0.1	0.1	32	0.4	185	< 0.1	0.9	0.363	< 0.05	0.2	201	< 0.1	17.7	96	59.6
177879	0.038	20.7	3.1	< 1	2.63	1420	< 0.1	< 0.1	32	0.3	191	< 0.1	0.9	0.203	< 0.05	0.2	136	< 0.1	17.4	98	43.7

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		2.10	36.9	416	> 2000	720	< 1	1640	0.97	2.5	15	8.6	19	1340	3.0	26.4	0.4	0.05	7.7	7.0	0.046	0.4	44.1
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		5.97	3.9	101	500	83	1	20.3	1.03	0.3	113	15.0	43	7220	2.8	3.24	1.1	4.27	61.4	10.0	0.515	10.2	42.8
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
SDC-1 Meas		7.55		< 1		683	2		1.03		89	18.7	118	34.7	4.3	5.09	1.0	2.91	42.9	28.2	1.51	< 0.1	36.9
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
DNC-1a Meas						108						61.0	197	114					3.8	3.7		1.5	288
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
OREAS 45d (Fire Assay) Meas					200																		
OREAS 45d (Fire Assay) Cert					23																		
OREAS 203 Meas	864																						
OREAS 203 Cert	871.000																						
OREAS 203 Meas	816																						
OREAS 203 Cert	871.000																						
SBC-1 Meas				27		694	2	0.7		0.4	102	22.9	93	32.8	8.2		3.2		50.7	133		12.2	87.2
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
SdAR-M2 (U.S.G.S.) Meas						1100	4	1.2		5.6	95	14.0	43	273	1.8		3.4		43.8	15.7		2.1	54.0
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 Meas	524																						
OREAS 251 Cert	504																						
OREAS 251 Meas	465																						
OREAS 251 Cert	504																						
177839 Orig		6.67	1.2	6	< 100	176	< 1	< 0.1	5.82	0.1	14	50.9	62	125	1.3	9.01	1.2	0.62	6.5	16.4	1.81	< 0.1	64.6
177839 Dup		6.83	0.5	3	< 100	183	< 1	< 0.1	5.93	< 0.1	15	51.3	64	121	1.1	9.30	1.4	0.62	6.6	16.1	1.83	0.8	65.1
177844 Orig	7																						
177844 Dup	6																						
177865 Orig	< 5																						
177865 Dup	7																						
177875 Orig	< 5																						
177875 Dup	6																						
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	3	0.5	< 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	3	0.6	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	0.2	0.002	< 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	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	0.063	2.7	812	< 1	0.19	905	19.2	25.0	2	27.8	306	< 0.1	3.0	0.029	0.30	36.0	77	141	26.8	862	19.3
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													941			2560					
DH-1a Cert													910			2629					
GXR-4 Meas	0.133	154	49.9	2	1.45	152	359	4.9	7	7.8	226	0.6	18.8	0.296	2.96	5.7	82	34.1	12.3	77	42.2
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	0.067	125	22.9		0.87	908		< 0.1	14	0.5	187	< 0.1	10.9	0.201	0.45	2.6	48	< 0.1		109	40.4
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
DNC-1a Meas		3.8	5.8					0.4	28		145			0.322			140		15.1	70	41.1
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																					
OREAS 203 Meas																					
OREAS 203 Cert																					
OREAS 203 Meas																					
OREAS 203 Cert																					
SBC-1 Meas		143	32.9				4.0	1.5	18	3.8	182	0.4	14.5	0.536	0.67	5.2	196	1.3	28.0	202	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
SdAR-M2 (U.S.G.S.) Meas		156	807				7.1		4		153	0.1	12.1			2.1	17	0.1	22.3	859	116
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 Meas																					
OREAS 251 Cert																					
OREAS 251 Meas																					
OREAS 251 Cert																					
177839 Orig	0.027	33.2	2.3	< 1	2.94	1720	1.0	0.3	32	0.7	160	< 0.1	1.0	0.379	0.10	0.3	176	0.1	18.0	111	48.2
177839 Dup	0.044	33.5	2.3	< 1	3.02	1770	0.4	0.2	34	0.7	159	< 0.1	0.9	0.488	0.10	0.2	214	< 0.1	18.2	107	61.6
177844 Orig																					
177844 Dup																					
177865 Orig																					
177865 Dup																					
177875 Orig																					
177875 Dup																					
Method Blank																					
Method Blank																					
Method Blank																					
Method Blank	< 0.001	< 0.1	0.3	< 1	< 0.01	2	< 0.1	0.4	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.4
Method Blank	0.002	< 0.1	0.2	< 1	< 0.01	5	< 0.1	0.4	< 1	0.4	2	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	5



Date Submitted: 26-Aug-16
Invoice No.: A16-08671
Invoice Date: 04-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

11 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08671**

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

Date Submitted: 26-Aug-16
Invoice No.: A16-08671
Invoice Date: 04-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

11 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-08671**

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

Results

Activation Laboratories Ltd.

Report: A16-08671

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
177880	6	6.61	0.2	4	< 100	197	< 1	0.1	6.00	< 0.1	15	49.2	60	89.9	1.6	8.58	1.6	0.80	7.2	18.1	1.96	2.9	62.6
177881	8	5.98	0.2	2	< 100	73	< 1	0.2	6.31	< 0.1	11	45.6	58	104	4.1	8.23	0.8	0.79	4.6	21.8	1.28	< 0.1	58.2
177882	7	5.74	0.5	3	< 100	126	< 1	0.1	5.15	< 0.1	13	42.7	82	99.5	1.5	7.72	1.2	0.52	5.6	25.7	1.26	0.2	54.9
177883	7	5.86	0.3	2	< 100	157	< 1	< 0.1	4.52	< 0.1	13	43.4	73	102	1.9	7.92	0.8	0.59	5.7	25.2	1.43	< 0.1	58.5
177884	14	6.16	0.3	7	< 100	172	< 1	< 0.1	4.47	0.1	13	46.4	69	139	1.8	8.46	0.6	0.54	6.0	25.4	1.50	< 0.1	60.1
177885	10	6.15	0.2	7	< 100	169	< 1	0.1	4.61	< 0.1	13	46.7	83	105	1.7	8.52	1.2	0.54	5.9	25.5	1.52	0.3	56.6
177886	7	6.23	0.2	5	< 100	135	< 1	< 0.1	4.88	0.1	13	45.6	59	105	1.8	8.23	1.2	0.53	6.1	25.5	1.54	< 0.1	61.0
177887	6	6.40	0.2	12	< 100	142	< 1	< 0.1	4.98	< 0.1	14	48.1	61	112	2.0	8.79	1.4	0.59	6.3	26.2	1.50	0.7	61.6
177888	8	6.39	0.8	13	< 100	119	< 1	< 0.1	4.98	< 0.1	14	47.3	57	105	1.7	8.57	1.4	0.53	6.1	27.6	1.51	0.7	61.1
177889	6	6.40	0.3	9	< 100	121	< 1	0.1	5.30	< 0.1	13	47.4	69	106	1.5	8.46	1.0	0.53	6.0	24.8	1.65	< 0.1	64.7
177890	6	4.54	0.2	16	< 100	122	< 1	< 0.1	4.64	0.2	8	43.8	87	99.2	1.1	7.91	1.4	0.52	3.3	22.4	1.46	2.9	58.3

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
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
177880	0.031	35.4	4.5	< 1	3.17	1630	0.5	0.8	34	1.0	225	0.1	0.9	0.522	0.10	0.2	229	0.5	16.9	95	65.6
177881	0.030	63.5	1.2	< 1	3.52	1650	0.2	0.2	30	0.6	58	< 0.1	0.8	0.237	0.20	0.2	131	< 0.1	15.9	93	35.9
177882	0.025	24.1	2.6	< 1	3.09	1320	0.2	< 0.1	28	0.3	194	< 0.1	1.2	0.359	0.09	0.2	181	< 0.1	16.0	79	48.2
177883	0.025	32.7	2.2	< 1	3.47	1230	0.2	< 0.1	28	0.1	172	< 0.1	1.1	0.202	0.14	0.3	130	< 0.1	15.9	88	30.3
177884	0.032	30.6	5.5	< 1	3.63	1340	< 0.1	0.1	31	0.6	166	< 0.1	1.0	0.166	0.11	0.3	107	< 0.1	15.9	90	21.2
177885	0.032	30.9	5.6	< 1	3.66	1330	0.2	< 0.1	29	0.5	168	< 0.1	1.1	0.353	0.10	0.2	169	< 0.1	16.6	91	41.1
177886	0.032	31.6	5.0	< 1	3.57	1300	< 0.1	< 0.1	31	0.2	163	< 0.1	1.1	0.303	0.10	0.2	168	< 0.1	15.9	86	44.2
177887	0.025	36.3	7.6	< 1	3.71	1450	0.3	0.1	33	0.5	155	< 0.1	1.1	0.444	0.11	0.3	195	< 0.1	16.8	93	52.2
177888	0.026	31.1	6.5	< 1	3.61	1440	0.4	< 0.1	32	0.4	174	< 0.1	1.1	0.438	0.12	0.3	200	< 0.1	16.8	92	53.2
177889	0.031	29.4	8.8	< 1	3.70	1350	0.1	< 0.1	33	0.2	169	< 0.1	0.9	0.289	0.08	0.2	154	< 0.1	16.4	94	41.3
177890	0.027	8.1	3.4	< 1	3.23	1280	0.5	0.8	19	0.8	148	0.2	0.5	0.448	0.11	0.2	202	0.3	10.1	84	55.7

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		2.10	36.9	416	> 2000	720	< 1	1640	0.97	2.5	15	8.6	19	1340	3.0	26.4	0.4	0.05	7.7	7.0	0.046	0.4	44.1
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		5.97	3.9	101	500	83	1	20.3	1.03	0.3	113	15.0	43	7220	2.8	3.24	1.1	4.27	61.4	10.0	0.515	10.2	42.8
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
SDC-1 Meas		7.55		< 1		683	2		1.03		89	18.7	118	34.7	4.3	5.09	1.0	2.91	42.9	28.2	1.51	< 0.1	36.9
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
DNC-1a Meas						108						61.0	197	114					3.8	3.7		1.5	288
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
OREAS 45d (Fire Assay) Meas					200																		
OREAS 45d (Fire Assay) Cert					23																		
OREAS 203 Meas	867																						
OREAS 203 Cert	871.000																						
SBC-1 Meas				27		694	2	0.7		0.4	102	22.9	93	32.8	8.2		3.2		50.7	133		12.2	87.2
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
SdAr-M2 (U.S.G.S.) Meas						1100	4	1.2		5.6	95	14.0	43	273	1.8		3.4		43.8	15.7		2.1	54.0
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 Meas	501																						
OREAS 251 Cert	504																						
177888 Orig		6.34	1.1	13	< 100	116	< 1	0.1	4.91	0.1	13	47.0	57	103	1.5	8.49	1.4	0.53	6.1	28.2	1.50	0.9	59.5
177888 Dup		6.44	0.5	12	< 100	122	< 1	< 0.1	5.04	< 0.1	14	47.5	57	107	1.8	8.65	1.4	0.54	6.1	27.1	1.53	0.4	62.8
177889 Orig	5																						
177889 Dup	6																						
Method Blank	< 5																						
Method Blank		< 0.01	0.2	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	0.5	< 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	3	0.6	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	0.2	0.002	< 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	0.063	2.7	812	< 1	0.19	905	19.2	25.0	2	27.8	306	< 0.1	3.0	0.029	0.30	36.0	77	141	26.8	862	19.3
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													941			2560					
DH-1a Cert													910			2629					
GXR-4 Meas	0.133	154	49.9	2	1.45	152	359	4.9	7	7.8	226	0.6	18.8	0.296	2.96	5.7	82	34.1	12.3	77	42.2
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	0.067	125	22.9		0.87	908		< 0.1	14	0.5	187	< 0.1	10.9	0.201	0.45	2.6	48	< 0.1		109	40.4
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
DNC-1a Meas		3.8	5.8					0.4	28		145			0.322			140		15.1	70	41.1
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																					
OREAS 203 Meas																					
OREAS 203 Cert																					
SBC-1 Meas		143	32.9				4.0	1.5	18	3.8	182	0.4	14.5	0.536	0.67	5.2	196	1.3	28.0	202	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
SdAR-M2 (U.S.G.S.) Meas		156	807				7.1		4		153	0.1	12.1			2.1	17	0.1	22.3	859	116
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 Meas																					
OREAS 251 Cert																					
177888 Orig	0.024	31.2	6.4	< 1	3.56	1420	0.4	< 0.1	31	0.4	171	< 0.1	1.1	0.448	0.13	0.3	203	< 0.1	16.8	90	54.2
177888 Dup	0.028	31.0	6.5	< 1	3.65	1460	0.3	0.1	32	0.4	178	< 0.1	1.0	0.427	0.11	0.3	197	< 0.1	16.9	95	52.3
177889 Orig																					
177889 Dup																					
Method Blank																					
Method Blank	< 0.001	< 0.1	0.3	< 1	< 0.01	2	< 0.1	0.4	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.4
Method Blank	0.002	< 0.1	0.2	< 1	< 0.01	5	< 0.1	0.4	< 1	0.4	2	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	5	0.1



Date Submitted: 30-Aug-16
Invoice No.: A16-08786
Invoice Date: 05-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-08786**

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 stylized and somewhat cursive, written over a horizontal line.

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-Aug-16
Invoice No.: A16-08786
Invoice Date: 05-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08786**

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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



ACTIVATION LABORATORIES LTD.
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CERTIFIED BY:

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

Emmanuel Esemé , Ph.D.
Quality Control

Results

Activation Laboratories Ltd.

Report: A16-08786

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
177801	11	6.79	0.4	< 1	< 100	150	< 1	0.3	6.22	< 0.1	12	41.2	73	132	0.9	7.64	1.9	0.81	4.5	14.3	3.09	3.1	60.4
177802	6	7.46	0.2	< 1	< 100	83	< 1	< 0.1	5.10	< 0.1	15	49.2	76	116	0.8	8.39	1.7	0.34	6.2	15.1	2.70	0.1	71.5
177803	< 5	7.42	0.1	< 1	< 100	75	< 1	< 0.1	7.81	< 0.1	15	44.2	57	117	0.6	7.97	1.2	0.31	6.4	11.3	2.16	0.1	66.9
177804	6	6.99	0.2	1	< 100	74	< 1	< 0.1	7.93	< 0.1	16	47.1	58	95.0	0.6	8.03	1.2	0.24	6.5	12.6	1.48	0.1	67.7
177805	5	6.19	0.9	3	< 100	66	< 1	0.7	7.99	< 0.1	14	38.1	53	78.2	0.4	6.87	1.5	0.21	5.9	7.7	1.20	0.9	59.1
177806	< 5	7.30	0.4	< 1	< 100	95	< 1	< 0.1	5.96	< 0.1	15	45.9	54	133	1.0	8.19	1.6	0.29	6.1	28.1	0.930	0.1	63.8
177807	8	7.58	0.3	2	< 100	60	< 1	< 0.1	7.40	< 0.1	16	48.5	61	99.0	0.6	8.57	1.3	0.12	6.6	24.3	0.540	0.1	71.5
177808	396	8.05	0.3	149	300	543	< 1	0.1	3.33	0.1	21	13.3	32	52.4	0.6	4.65	0.9	0.79	9.1	7.3	2.40	1.4	25.1
177809	7	7.23	0.2	< 1	100	63	< 1	< 0.1	6.26	< 0.1	15	44.6	72	127	0.7	8.40	1.4	0.17	6.2	24.2	1.63	0.2	66.5
177810	24	7.20	0.2	4	< 100	54	< 1	< 0.1	6.25	< 0.1	14	43.6	71	91.7	1.0	9.25	1.7	0.16	5.9	26.6	1.18	3.4	62.1
177811	8	7.02	0.3	5	< 100	84	< 1	< 0.1	6.28	< 0.1	15	48.7	70	115	1.3	10.5	1.7	0.29	6.2	30.7	1.03	2.9	63.5
177812	< 5	7.13	0.2	4	< 100	66	< 1	< 0.1	7.35	< 0.1	15	47.4	68	150	0.7	9.43	1.5	0.21	6.1	20.8	1.43	0.5	63.5
177813	< 5	6.55	0.1	2	< 100	38	< 1	< 0.1	7.82	< 0.1	15	46.5	72	100	0.5	8.89	1.5	0.13	5.9	19.1	0.930	< 0.1	63.9
177814	5	8.01	0.8	< 1	< 100	120	< 1	< 0.1	6.14	< 0.1	14	45.2	88	98.6	1.3	7.98	1.2	0.55	5.8	27.2	1.68	0.1	66.6
177815	< 5	7.62	0.4	< 1	< 100	153	< 1	< 0.1	4.90	< 0.1	14	45.4	53	101	1.6	8.24	1.6	0.78	5.8	29.9	1.88	0.5	67.9
177816	32	6.84	0.3	1	< 100	129	< 1	< 0.1	4.98	< 0.1	15	47.3	29	107	1.7	9.02	1.0	0.60	6.2	25.3	2.19	< 0.1	54.5
177817	49	7.21	0.5	2	< 100	135	< 1	< 0.1	4.58	< 0.1	16	47.0	32	113	1.9	8.86	1.4	0.61	6.4	26.5	2.31	< 0.1	57.7
177818	< 5	7.34	0.3	< 1	< 100	276	< 1	< 0.1	5.13	< 0.1	17	47.1	13	165	2.1	9.25	1.7	0.66	7.1	22.9	2.32	< 0.1	46.3
177819	12	6.24	0.2	< 1	< 100	388	< 1	0.1	7.18	< 0.1	17	44.5	12	94.0	3.5	7.91	1.9	0.77	6.9	20.7	1.93	0.2	41.0
177820	13	7.24	0.8	< 1	< 100	96	< 1	0.1	5.81	< 0.1	16	46.6	12	113	4.6	8.49	2.1	0.99	6.7	22.7	2.06	0.1	46.5
177821	14	6.61	0.4	< 1	< 100	119	< 1	0.1	7.07	< 0.1	16	42.8	12	100	2.9	7.82	1.9	0.87	6.6	18.6	2.30	0.4	40.8
177822	13	7.02	0.3	< 1	< 100	84	< 1	0.1	6.08	< 0.1	16	45.9	15	119	4.5	8.55	1.7	1.00	6.6	20.6	2.56	0.2	46.8
177823	< 5	6.57	0.2	1	< 100	91	< 1	0.2	6.09	< 0.1	14	42.4	49	103	2.8	7.27	1.2	0.67	5.6	21.8	2.56	< 0.1	58.1
177824	< 5	6.85	0.3	< 1	< 100	87	< 1	0.2	4.91	< 0.1	14	46.9	56	107	2.0	7.74	1.1	0.52	5.8	22.9	2.75	< 0.1	66.0
177825	5	7.38	0.2	< 1	> 2000	70	< 1	0.1	5.82	0.1	15	47.1	57	86.4	2.1	8.48	1.3	0.48	6.1	25.4	3.01	< 0.1	67.1
177826	3650	7.30	0.6	9	> 2000	646	< 1	0.4	2.41	0.4	21	13.8	55	101	0.9	5.15	0.9	0.87	9.8	16.4	2.44	0.4	45.7
177827	7	6.85	0.3	< 1	< 100	59	< 1	0.1	5.75	< 0.1	14	42.3	60	108	2.0	7.70	1.2	0.52	5.6	22.0	3.11	< 0.1	61.8
177828	41	6.52	1.2	< 1	< 100	109	< 1	0.6	5.81	< 0.1	11	42.5	95	98.5	3.6	7.49	1.8	0.96	4.3	22.1	2.39	3.0	58.3
177829	20	7.12	0.8	< 1	< 100	67	< 1	0.3	5.45	< 0.1	14	46.5	71	128	4.4	7.87	2.0	1.28	5.5	28.9	1.91	2.6	66.8
177830	8	7.00	0.4	< 1	< 100	77	< 1	0.3	6.26	< 0.1	13	41.2	65	65.7	4.4	7.62	1.6	0.82	5.4	24.7	2.21	1.4	54.5
177831	11	7.80	0.3	< 1	< 100	551	< 1	< 0.1	4.59	< 0.1	13	49.5	57	108	3.3	8.70	1.4	0.81	5.2	36.3	1.70	< 0.1	77.6
177832	< 5	7.62	0.2	< 1	< 100	63	< 1	0.1	5.30	< 0.1	14	46.7	51	98.6	3.1	8.41	0.8	0.79	5.5	33.0	2.00	< 0.1	69.4
177833	6	7.51	0.3	< 1	< 100	47	< 1	0.3	6.71	< 0.1	13	45.1	56	105	1.2	7.64	1.7	0.34	5.1	20.4	3.23	0.4	65.5
177834	< 5	0.08	0.1	< 1	< 100	176	< 1	< 0.1	19.9	< 0.1	< 1	0.6	5	1.6	0.5	0.09	< 0.1	0.05	0.5	17.5	0.020	0.2	4.0

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
177801	0.040	26.5	3.2	1	2.68	1140	5.7	0.4	36	< 0.1	68	0.2	1.0	0.510	0.20	0.3	228	0.9	18.5	111	73.1	
177802	0.040	12.1	1.7	< 1	2.86	1380	0.2	< 0.1	39	< 0.1	110	< 0.1	1.0	0.310	0.09	0.3	174	< 0.1	19.0	112	63.8	
177803	0.040	10.6	2.8	< 1	2.59	1210	0.4	< 0.1	37	< 0.1	177	< 0.1	1.0	0.300	0.07	0.2	158	< 0.1	19.1	101	43.4	
177804	0.040	8.1	2.8	< 1	2.74	1390	0.3	0.2	39	< 0.1	206	< 0.1	1.0	0.320	< 0.05	0.3	162	< 0.1	19.1	104	41.9	
177805	0.040	6.6	6.6	< 1	2.11	1090	4.6	0.3	34	< 0.1	254	< 0.1	0.9	0.390	0.06	0.2	176	0.2	17.0	85	55.2	
177806	0.040	11.7	2.0	< 1	3.72	1320	0.4	< 0.1	38	< 0.1	133	< 0.1	1.1	0.370	0.07	0.3	186	< 0.1	19.0	112	58.5	
177807	0.040	4.5	2.0	< 1	3.04	1470	0.3	0.3	40	< 0.1	173	< 0.1	1.0	0.330	< 0.05	0.2	169	< 0.1	19.9	102	47.7	
177808	0.060	17.5	12.8	< 1	1.28	838	2.3	1.0	20	< 0.1	293	< 0.1	2.0	0.240	0.11	0.7	102	0.6	18.0	65	28.5	
177809	0.040	5.6	1.6	< 1	2.95	1320	0.5	< 0.1	41	< 0.1	116	< 0.1	1.0	0.330	< 0.05	0.3	166	< 0.1	19.3	105	49.6	
177810	0.040	3.3	2.3	< 1	3.41	1530	1.0	0.9	36	< 0.1	138	0.3	1.1	0.490	< 0.05	0.2	219	0.5	18.0	106	57.9	
177811	0.040	10.3	2.6	< 1	3.25	1920	0.5	0.1	40	< 0.1	169	0.1	1.0	0.530	0.08	0.3	230	0.1	18.9	136	60.6	
177812	0.040	7.0	2.8	< 1	3.04	1760	0.5	0.2	38	< 0.1	189	< 0.1	1.0	0.400	< 0.05	0.2	201	< 0.1	18.8	110	52.8	
177813	0.040	4.1	2.5	< 1	3.27	1500	0.2	0.1	39	< 0.1	211	< 0.1	1.0	0.310	< 0.05	0.3	185	< 0.1	19.0	96	52.2	
177814	0.040	18.8	1.9	< 1	4.31	1200	0.5	0.1	38	< 0.1	215	< 0.1	1.0	0.330	0.16	0.2	167	< 0.1	17.5	95	42.9	
177815	0.040	28.3	1.7	< 1	4.43	1240	0.6	0.2	40	< 0.1	163	< 0.1	1.0	0.440	0.24	0.3	220	< 0.1	18.2	96	58.2	
177816	0.050	22.2	2.1	< 1	4.15	1300	0.3	0.3	37	< 0.1	134	< 0.1	1.1	0.250	0.17	0.3	150	< 0.1	19.9	103	39.9	
177817	0.050	23.0	13.1	< 1	4.24	1260	0.4	0.6	39	< 0.1	129	< 0.1	1.2	0.350	0.19	0.3	175	< 0.1	20.1	107	52.5	
177818	0.050	28.5	2.0	< 1	3.47	1310	0.3	< 0.1	38	< 0.1	97	< 0.1	1.3	0.350	0.20	0.3	172	< 0.1	20.4	101	62.3	
177819	0.045	46.9	4.9	< 1	2.92	1270	0.8	0.2	34	< 0.1	103	< 0.1	1.1	0.435	0.28	0.4	190	< 0.1	18.0	91	72.4	
177820	0.050	61.9	9.8	< 1	3.42	1270	0.6	5.8	38	< 0.1	115	< 0.1	1.2	0.490	0.40	0.3	229	< 0.1	18.1	116	84.4	
177821	0.040	46.3	12.5	< 1	2.96	1280	1.0	0.3	34	< 0.1	129	< 0.1	1.1	0.475	0.32	0.3	212	< 0.1	17.3	96	73.5	
177822	0.040	67.1	5.3	< 1	2.95	1340	1.1	0.3	36	< 0.1	108	< 0.1	1.2	0.380	0.45	0.3	183	< 0.1	15.4	107	61.9	
177823	0.040	31.6	6.4	< 1	3.22	1250	0.6	0.4	33	< 0.1	103	< 0.1	0.9	0.280	0.21	0.2	154	< 0.1	15.6	110	37.3	
177824	0.050	22.8	3.7	< 1	3.36	1260	0.3	0.3	40	< 0.1	98	< 0.1	1.0	0.320	0.15	0.3	153	< 0.1	18.6	105	38.2	
177825	0.050	21.6	4.2	< 1	3.32	1470	0.4	0.5	41	< 0.1	100	< 0.1	1.0	0.310	0.13	0.3	163	< 0.1	19.1	111	47.1	
177826	0.090	21.9	18.0	< 1	1.49	709	1.5	0.8	17	< 0.1	247	< 0.1	2.0	0.190	0.22	0.9	91	0.3	15.6	104	33.2	
177827	0.040	23.2	3.1	< 1	3.13	1430	0.4	0.1	37	< 0.1	93	< 0.1	0.9	0.270	0.15	0.2	162	< 0.1	16.9	100	44.5	
177828	0.040	44.2	3.3	1	2.63	1270	19.0	1.3	33	< 0.1	100	0.2	0.9	0.460	0.34	0.2	218	4.2	15.8	104	59.2	
177829	0.050	67.9	2.5	1	2.79	1300	3.3	1.0	41	< 0.1	52	0.1	0.9	0.520	0.45	0.2	240	2.9	18.5	152	73.4	
177830	0.040	48.4	2.9	1	3.22	1170	4.3	0.6	38	< 0.1	57	< 0.1	0.8	0.430	0.35	0.3	235	0.6	16.2	95	60.6	
177831	0.040	42.0	6.5	< 1	4.63	1280	0.6	< 0.1	43	< 0.1	58	< 0.1	0.9	0.310	0.30	1.6	174	< 0.1	17.7	107	49.9	
177832	0.040	40.0	6.5	< 1	4.01	1310	0.1	0.1	38	< 0.1	61	< 0.1	0.9	0.180	0.26	0.3	133	< 0.1	17.6	107	28.1	
177833	0.040	13.5	3.0	1	2.98	1220	7.7	0.3	38	< 0.1	75	< 0.1	1.0	0.410	0.10	1.5	205	< 0.1	17.6	108	57.7	
177834	0.010	1.6	2.5	< 1	16.2	319	0.2	0.2	< 1	< 0.1	128	< 0.1	< 0.1	0.010	0.05	0.3	24	< 0.1	0.5	22	2.0	

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
GXR-1 Meas		2.51	38.0	441	> 2000	738	< 1	1560	0.90	2.8	15	8.4	18	1080	2.4	27.4	0.5	0.04	7.1	8.6	0.050	0.5	45.3
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		6.92	4.2	105	900	96	2	21.1	0.94	0.5	98	14.0	72	5540	2.3	3.08	1.3	4.25	50.0	12.9	0.620	9.0	43.3
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		8.76		< 1		687	3		1.00		81	18.3	51	40.9	3.6	4.83	0.9	2.77	36.8	41.9	1.80	< 0.1	38.9
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		15.5	0.3	246	< 100	1310	< 1	0.2	0.17	< 0.1	32	13.8	53	66.7	3.6	5.65	2.1	1.94	10.7	42.7	0.120	0.3	26.1
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						109						57.4	157	94.4					3.4	5.3		1.6	290
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																		
OREAS 203 Meas	843																						
OREAS 203 Cert	871.000																						
SBC-1 Meas				24		289	3	0.8		0.3	95	22.6	78	33.7	7.1		3.3		44.0	203		10.4	93.3
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						1050	9	1.2		5.2	83	13.7	44	303	1.6		3.7		34.8	21.8		3.0	55.1
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 Meas	492																						
OREAS 251 Cert	504																						
177810 Orig	23																						
177810 Dup	25																						
177819 Orig		5.91	0.2	< 1	< 100	404	< 1	0.1	6.97	< 0.1	16	44.0	10	87.8	3.4	7.67	1.8	0.75	6.8	20.0	1.95	0.2	40.8
177819 Dup		6.58	0.2	< 1	< 100	373	< 1	0.1	7.39	< 0.1	17	45.0	14	100	3.5	8.16	2.0	0.79	7.0	21.3	1.91	0.2	41.1
177820 Orig	12																						
177820 Dup	13																						
177821 Orig		6.75	0.4	< 1	< 100	119	< 1	0.1	7.33	0.1	16	42.7	14	101	2.9	7.87	1.9	0.87	6.5	18.7	2.44	0.4	41.0
177821 Dup		6.46	0.3	2	< 100	119	< 1	0.1	6.81	< 0.1	16	43.0	11	100	2.8	7.76	1.9	0.87	6.6	18.5	2.15	0.4	40.7
177830 Orig	6																						
177830 Dup	10																						
Method Blank	5																						
Method Blank	< 5																						
Method Blank		0.01	0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.4	< 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	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	0.090	2.3	726	< 1	0.24	847	19.0	36.2	1	27.0	265	< 0.1	2.6	0.030	0.36	31.2	89	113	28.1	838	21.8	
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													786			2120						
DH-1a Cert													910			2629						
GXR-4 Meas	0.190	112	48.8	3	1.86	141	289	4.6	8	5.5	179	0.6	19.5	0.300	3.03	5.3	90	30.1	12.1	70	39.3	
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	0.080	92.4	23.6		1.14	782		< 0.1	17	< 0.1	143	< 0.1	11.2	0.250	0.59	2.7	66	< 0.1		108	31.1	
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	0.050	61.2	99.0	< 1	0.76	934	0.3	0.8	30	< 0.1	30	< 0.1	5.0		1.93	1.3	124	< 0.1	10.8	135	69.2	
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	5.3					0.4	34		121			0.330			144			14.5	66	38.3
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																						
OREAS 203 Meas																						
OREAS 203 Cert																						
SBC-1 Meas		108	34.6				2.1	1.0	24	2.0	144	0.4	15.2	0.610	0.82	5.3	224	1.3	27.9	210	117	
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		112	753				12.9		5		114	< 0.1	11.8			2.0	42	< 0.1	21.3	854	112	
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 Meas																						
OREAS 251 Cert																						
177810 Orig																						
177810 Dup																						
177819 Orig	0.040	46.4	4.7	< 1	2.83	1290	0.8	0.2	34	< 0.1	102	< 0.1	1.1	0.400	0.28	0.3	174	< 0.1	17.5	89	66.5	
177819 Dup	0.050	47.5	5.0	1	3.01	1260	0.9	0.2	34	< 0.1	104	< 0.1	1.2	0.470	0.28	0.6	206	< 0.1	18.5	92	78.3	
177820 Orig																						
177820 Dup																						
177821 Orig	0.040	46.9	12.6	< 1	3.12	1290	1.1	0.4	35	< 0.1	129	< 0.1	1.1	0.480	0.32	0.3	217	0.1	17.5	96	74.3	
177821 Dup	0.040	45.8	12.4	< 1	2.81	1260	0.9	0.3	33	< 0.1	128	< 0.1	1.1	0.470	0.32	0.3	208	< 0.1	17.1	96	72.6	
177830 Orig																						
177830 Dup																						
Method Blank																						
Method Blank																						
Method Blank	< 0.001	0.1	< 0.1	< 1	< 0.01	7	0.3	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	17	< 0.1	< 0.1	< 1	0.4	



Date Submitted: 30-Aug-16
Invoice No.: A16-08788
Invoice Date: 05-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08788**

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: 30-Aug-16
Invoice No.: A16-08788
Invoice Date: 05-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-08788**

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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
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Results

Activation Laboratories Ltd.

Report: A16-08788

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
177891	8	7.93	0.3	21	< 100	160	< 1	< 0.1	6.74	0.1	14	48.2	59	97.9	2.0	8.74	1.8	0.63	5.6	32.4	1.99	2.9	73.5
177892	1450	6.58	2.3	3	1400	66	< 1	1.0	4.10	< 0.1	13	41.6	56	677	0.7	7.22	1.7	0.24	5.6	26.5	2.44	1.0	57.2
177893	5	8.24	0.8	< 1	< 100	99	< 1	< 0.1	5.13	< 0.1	15	47.0	56	102	1.8	8.53	1.3	0.46	6.0	35.8	2.11	0.1	66.9
177894	3440	5.88	1.6	12	> 2000	633	< 1	0.4	2.46	0.6	14	13.6	69	70.4	0.9	5.05	1.4	0.84	6.1	16.2	2.34	4.3	46.3
177895	5	8.24	0.6	2	< 100	126	< 1	< 0.1	5.80	< 0.1	15	48.9	81	101	1.5	8.45	1.7	0.46	5.8	30.7	1.88	0.3	71.8
177896	6	7.57	0.4	< 1	< 100	132	< 1	< 0.1	7.05	< 0.1	14	47.0	84	109	1.4	8.46	1.6	0.47	5.9	26.3	1.55	< 0.1	71.5
177897	< 5	8.69	0.3	< 1	< 100	198	< 1	< 0.1	6.14	< 0.1	14	48.2	62	107	1.8	8.45	1.7	0.67	5.8	27.1	1.73	0.1	71.9
177898	< 5	8.00	0.2	< 1	< 100	190	< 1	< 0.1	6.24	< 0.1	14	50.0	54	109	1.5	8.71	1.7	0.54	5.9	24.9	1.92	< 0.1	73.8
177899	6	7.29	0.2	< 1	< 100	54	< 1	< 0.1	5.60	< 0.1	17	49.2	18	114	0.7	10.0	1.5	0.16	7.1	22.9	1.50	0.2	50.1
177900	< 5	6.86	0.2	< 1	< 100	51	< 1	< 0.1	5.44	< 0.1	16	48.1	15	102	0.5	10.0	1.6	0.14	6.7	19.8	1.44	1.0	47.8
177901	< 5	6.94	0.7	< 1	< 100	20	< 1	< 0.1	8.62	< 0.1	17	42.3	19	85.6	0.3	8.80	1.7	0.05	7.1	13.9	0.690	1.3	45.0
177902	< 5	11.2	0.4	< 1	< 100	11	< 1	< 0.1	0.17	< 0.1	1	< 0.2	5	2.7	0.6	0.12	0.2	4.52	0.4	24.2	9.26	< 0.1	< 0.1
177903	< 5	7.90	0.4	2	< 100	37	< 1	< 0.1	6.53	< 0.1	19	52.4	17	124	0.5	10.3	1.9	0.11	7.7	22.0	1.41	3.8	51.1
177904	< 5	8.14	0.2	< 1	< 100	87	< 1	< 0.1	4.49	< 0.1	18	52.5	16	99.6	0.7	10.2	2.0	0.22	7.2	28.3	1.77	0.4	50.4
177905	6	6.31	0.3	1	< 100	77	< 1	0.1	6.63	< 0.1	14	45.3	20	104	0.5	8.79	1.9	0.14	5.7	18.5	1.70	3.5	45.3
177906	< 5	7.41	0.2	< 1	< 100	52	< 1	< 0.1	5.16	< 0.1	17	48.4	36	106	0.7	9.06	2.0	0.18	6.8	20.8	2.01	0.2	47.6
177907	< 5	7.22	0.2	< 1	< 100	73	< 1	< 0.1	5.14	< 0.1	17	50.4	14	103	0.9	9.58	1.9	0.29	7.4	21.1	2.09	< 0.1	48.4
177908	< 5	7.75	0.2	< 1	< 100	92	< 1	< 0.1	5.11	< 0.1	17	49.2	14	104	1.0	9.16	1.7	0.42	7.1	38.5	2.01	< 0.1	48.7
177909	< 5	7.06	0.1	< 1	< 100	77	< 1	< 0.1	4.90	< 0.1	15	45.5	13	120	1.1	8.85	0.8	0.49	6.1	21.2	2.57	< 0.1	47.5
177910	365	8.53	0.8	144	400	569	< 1	0.1	3.54	0.2	21	14.3	37	48.2	0.6	5.10	0.8	0.85	9.2	8.2	2.69	0.4	26.7
177911	< 5	7.35	0.5	< 1	< 100	89	< 1	< 0.1	4.67	< 0.1	15	46.4	13	93.2	2.8	8.90	1.8	0.75	6.1	25.4	1.96	0.2	46.2
177912	5	6.64	0.3	< 1	< 100	117	< 1	< 0.1	6.83	< 0.1	15	45.2	13	81.8	2.1	8.40	2.0	0.56	6.1	21.9	2.03	0.9	41.1
177920	79	7.05	0.2	2	100	41	< 1	< 0.1	5.00	< 0.1	20	52.6	17	129	2.0	9.91	2.3	0.50	8.2	25.1	2.63	1.1	31.0
177921	9	7.10	0.3	5	< 100	47	< 1	< 0.1	5.45	< 0.1	15	47.7	13	98.9	1.9	9.14	1.8	0.43	6.5	25.8	2.56	0.1	45.6
177922	10	7.49	0.8	< 1	< 100	56	< 1	< 0.1	4.86	< 0.1	17	47.7	16	94.1	2.1	9.11	1.1	0.39	6.9	25.3	2.83	< 0.1	49.3
177923	< 5	7.57	0.5	< 1	< 100	52	< 1	< 0.1	4.70	< 0.1	17	50.5	13	103	3.4	9.78	2.0	0.56	6.9	28.5	2.78	< 0.1	49.2
177924	5	7.30	0.3	< 1	< 100	110	< 1	< 0.1	6.19	< 0.1	15	44.3	11	119	6.2	8.08	0.9	1.27	6.2	20.8	2.10	< 0.1	44.6
177925	< 5	6.63	0.2	< 1	< 100	79	< 1	< 0.1	7.10	0.2	15	41.9	15	40.0	7.8	8.11	1.9	1.62	6.4	21.1	1.35	< 0.1	44.5
177926	6	7.07	0.2	3	< 100	83	< 1	0.1	7.14	< 0.1	14	45.4	14	146	7.8	7.99	1.6	1.60	6.0	35.0	0.550	0.4	58.4
177927	< 5	6.55	0.2	2	< 100	130	< 1	0.2	7.72	0.1	12	47.7	54	89.2	7.3	7.66	1.6	1.46	5.0	25.3	1.22	1.6	66.7
177928	3540	7.36	0.6	9	> 2000	639	< 1	0.4	2.70	0.4	21	13.9	61	71.1	0.9	5.31	0.9	1.01	9.5	17.4	2.56	0.4	46.5
177929	< 5	6.90	0.3	< 1	< 100	90	< 1	< 0.1	6.67	< 0.1	13	40.8	78	57.6	6.9	7.54	1.8	1.46	5.0	30.8	1.29	3.0	57.5
177930	< 5	8.01	0.7	< 1	< 100	89	< 1	< 0.1	6.14	< 0.1	14	47.9	76	106	7.3	8.76	1.8	1.46	5.6	31.3	1.86	0.1	69.0
177931	< 5	7.73	0.4	< 1	< 100	66	< 1	< 0.1	6.23	0.1	13	45.2	68	84.4	5.5	8.07	1.4	0.98	5.2	24.4	2.61	< 0.1	65.8

Results

Activation Laboratories Ltd.

Report: A16-08788

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
177891	0.040	36.1	6.0	< 1	4.35	1500	1.0	0.3	42	< 0.1	160	0.2	1.0	0.550	0.34	0.2	238	0.4	18.0	112	64.7	
177892	0.040	7.8	111	2	2.75	973	14.7	0.1	37	0.2	88	< 0.1	0.9	0.460	0.08	0.3	198	1.9	16.7	142	61.4	
177893	0.040	26.6	2.7	< 1	4.26	1140	0.4	< 0.1	43	< 0.1	121	< 0.1	1.0	0.340	0.17	0.4	171	< 0.1	18.3	106	50.6	
177894	0.090	16.4	17.9	< 1	1.41	728	8.0	3.3	16	0.8	245	0.2	1.3	0.400	0.22	0.8	132	3.1	12.3	103	48.7	
177895	0.040	24.1	2.5	< 1	4.25	1290	0.3	< 0.1	43	< 0.1	149	< 0.1	1.0	0.420	0.16	0.2	226	< 0.1	18.7	103	68.8	
177896	0.040	24.7	6.5	< 1	4.19	1310	0.4	< 0.1	42	< 0.1	175	< 0.1	0.9	0.400	0.16	0.3	210	< 0.1	18.1	96	60.2	
177897	0.040	32.5	6.8	< 1	4.32	1260	0.1	< 0.1	43	< 0.1	155	< 0.1	1.0	0.350	0.23	0.2	203	< 0.1	19.0	103	61.7	
177898	0.040	25.8	20.5	< 1	4.24	1340	< 0.1	< 0.1	43	< 0.1	173	< 0.1	0.9	0.360	0.17	0.2	209	< 0.1	18.8	101	58.2	
177899	0.050	5.6	3.0	< 1	3.12	1550	0.2	0.3	38	< 0.1	225	< 0.1	1.3	0.400	< 0.05	0.3	196	< 0.1	19.9	117	54.8	
177900	0.050	4.2	2.7	< 1	3.27	1640	0.4	0.2	38	< 0.1	170	< 0.1	1.2	0.510	< 0.05	0.3	219	< 0.1	19.1	112	58.3	
177901	0.050	1.4	4.1	< 1	2.65	1520	0.9	0.4	34	< 0.1	202	< 0.1	1.2	0.420	< 0.05	0.3	199	< 0.1	19.8	96	60.8	
177902	< 0.001	55.2	4.3	< 1	0.01	23	0.3	0.2	< 1	< 0.1	15	< 0.1	0.1	< 0.001	0.65	< 0.1	21	< 0.1	0.9	< 1	9.0	
177903	0.060	3.4	3.4	< 1	3.02	1760	0.8	0.9	40	< 0.1	207	0.2	1.3	0.640	< 0.05	0.3	262	0.2	21.5	124	67.1	
177904	0.050	6.9	1.9	< 1	4.05	1690	0.2	0.1	42	< 0.1	112	< 0.1	1.3	0.430	< 0.05	0.3	232	< 0.1	21.0	123	77.4	
177905	0.050	1.5	2.8	< 1	2.88	1370	2.7	1.2	29	< 0.1	155	0.3	0.9	0.550	< 0.05	0.3	224	0.6	16.8	107	70.2	
177906	0.050	4.8	2.1	< 1	3.54	1370	0.2	0.1	39	< 0.1	143	< 0.1	1.2	0.390	< 0.05	0.3	219	< 0.1	19.4	110	73.1	
177907	0.040	9.2	1.6	< 1	3.70	1420	< 0.1	< 0.1	40	< 0.1	150	< 0.1	1.2	0.340	0.06	0.3	199	< 0.1	20.7	106	73.6	
177908	0.050	12.4	4.6	< 1	3.84	1230	0.1	< 0.1	38	< 0.1	115	< 0.1	1.2	0.320	0.08	0.3	214	< 0.1	19.5	109	66.6	
177909	0.050	17.0	4.3	< 1	3.75	1160	< 0.1	< 0.1	39	< 0.1	53	< 0.1	1.1	0.240	0.12	0.3	128	< 0.1	18.8	101	33.3	
177910	0.070	17.9	13.1	< 1	1.41	888	1.3	0.5	22	< 0.1	298	< 0.1	2.1	0.190	0.13	0.8	90	0.1	18.4	71	25.7	
177911	0.050	35.5	1.1	< 1	3.91	1190	0.4	0.1	35	< 0.1	61	< 0.1	1.2	0.450	0.25	0.3	206	< 0.1	18.6	113	69.3	
177912	0.050	29.4	3.5	1	3.50	1240	0.7	0.2	35	< 0.1	91	< 0.1	1.1	0.510	0.18	0.3	208	< 0.1	18.4	101	77.4	
177920	0.060	28.7	6.1	< 1	3.10	1370	0.4	1.1	39	< 0.1	85	< 0.1	1.4	0.560	0.16	0.4	237	< 0.1	16.2	112	86.6	
177921	0.050	27.0	2.5	< 1	3.29	1360	0.9	0.2	36	< 0.1	100	< 0.1	1.1	0.380	0.15	0.3	197	< 0.1	12.8	99	69.5	
177922	0.050	24.4	3.8	< 1	3.90	1170	0.4	0.2	37	< 0.1	97	< 0.1	1.2	0.240	0.14	0.3	159	< 0.1	13.4	98	43.3	
177923	0.040	43.2	22.0	< 1	3.70	1150	0.3	< 0.1	40	< 0.1	106	< 0.1	1.2	0.300	0.28	0.3	209	< 0.1	12.6	109	75.8	
177924	0.040	84.9	4.0	< 1	3.28	1300	0.2	0.5	34	< 0.1	106	< 0.1	1.1	0.220	0.51	0.3	137	< 0.1	13.6	100	35.3	
177925	0.045	115	2.6	< 1	3.30	1430	0.3	0.4	35	< 0.1	98	< 0.1	1.1	0.395	0.70	0.3	187	< 0.1	14.5	106	71.8	
177926	0.050	108	2.2	< 1	3.34	1190	1.1	1.9	32	< 0.1	80	< 0.1	1.0	0.380	0.67	0.3	178	< 0.1	14.1	137	65.0	
177927	0.040	104	2.9	1	2.42	1270	2.7	0.7	34	< 0.1	132	< 0.1	0.8	0.440	0.70	0.2	207	0.3	11.5	98	60.0	
177928	0.090	21.4	17.8	< 1	1.55	718	1.1	0.8	17	< 0.1	250	< 0.1	1.9	0.210	0.22	0.9	96	0.3	15.3	107	29.6	
177929	0.040	90.0	1.3	< 1	3.25	1340	4.0	2.1	36	< 0.1	85	0.2	0.9	0.490	0.62	0.2	217	1.1	11.4	96	64.1	
177930	0.040	97.6	1.8	< 1	3.65	1340	1.4	0.2	42	< 0.1	74	< 0.1	0.9	0.430	0.65	0.2	231	< 0.1	11.8	104	65.9	
177931	0.040	76.5	1.2	< 1	3.01	1270	1.4	0.2	38	< 0.1	79	< 0.1	0.9	0.350	0.49	0.2	188	< 0.1	11.4	96	52.6	

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		2.51	38.0	441	> 2000	738	< 1	1560	0.90	2.8	15	8.4	18	1080	2.4	27.4	0.5	0.04	7.1	8.6	0.050	0.5	45.3	
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		6.92	4.2	105	900	96	2	21.1	0.94	0.5	98	14.0	72	5540	2.3	3.08	1.3	4.25	50.0	12.9	0.620	9.0	43.3	
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		8.76		< 1		687	3		1.00		81	18.3	51	40.9	3.6	4.83	0.9	2.77	36.8	41.9	1.80	< 0.1	38.9	
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		15.5	0.3	246	< 100	1310	< 1	0.2	0.17	< 0.1	32	13.8	53	66.7	3.6	5.65	2.1	1.94	10.7	42.7	0.120	0.3	26.1	
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						109						57.4	157	94.4						3.4	5.3		1.6	290
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																			
OREAS 203 Meas	855																							
OREAS 203 Cert	871.000																							
SBC-1 Meas				24		289	3	0.8		0.3	95	22.6	78	33.7	7.1		3.3		44.0	203		10.4	93.3	
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						1050	9	1.2		5.2	83	13.7	44	303	1.6		3.7		34.8	21.8		3.0	55.1	
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	
177900 Orig	< 5																							
177900 Dup	< 5																							
177911 Orig	< 5																							
177911 Dup	< 5																							
177925 Orig		6.50	0.2	< 1	< 100	75	< 1	< 0.1	7.05	0.1	15	40.4	13	38.0	7.6	7.77	1.8	1.53	6.2	20.3	1.33	< 0.1	43.2	
177925 Dup		6.76	0.2	< 1	< 100	83	< 1	< 0.1	7.15	0.2	16	43.5	17	42.0	8.1	8.46	2.0	1.70	6.6	21.8	1.37	0.3	45.8	
177927 Orig	< 5																							
177927 Dup	< 5																							
Method Blank	< 5																							
Method Blank	< 5																							
Method Blank		0.01	0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.4	< 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	0.090	2.3	726	< 1	0.24	847	19.0	36.2	1	27.0	265	< 0.1	2.6	0.030	0.36	31.2	89	113	28.1	838	21.8
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													786			2120					
DH-1a Cert													910			2629					
GXR-4 Meas	0.190	112	48.8	3	1.86	141	289	4.6	8	5.5	179	0.6	19.5	0.300	3.03	5.3	90	30.1	12.1	70	39.3
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	0.080	92.4	23.6		1.14	782		< 0.1	17	< 0.1	143	< 0.1	11.2	0.250	0.59	2.7	66	< 0.1		108	31.1
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	0.050	61.2	99.0	< 1	0.76	934	0.3	0.8	30	< 0.1	30	< 0.1	5.0		1.93	1.3	124	< 0.1	10.8	135	69.2
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	5.3					0.4	34		121			0.330			144		14.5	66	38.3
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																					
OREAS 203 Meas																					
OREAS 203 Cert																					
SBC-1 Meas		108	34.6				2.1	1.0	24	2.0	144	0.4	15.2	0.610	0.82	5.3	224	1.3	27.9	210	117
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		112	753				12.9		5		114	< 0.1	11.8			2.0	42	< 0.1	21.3	854	112
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
177900 Orig																					
177900 Dup																					
177911 Orig																					
177911 Dup																					
177925 Orig	0.040	110	2.5	< 1	3.18	1380	0.3	0.2	36	< 0.1	94	< 0.1	1.1	0.370	0.68	0.3	179	< 0.1	14.1	101	68.7
177925 Dup	0.050	119	2.8	< 1	3.41	1470	0.4	0.5	34	< 0.1	102	< 0.1	1.2	0.420	0.72	0.3	194	< 0.1	15.0	111	75.0
177927 Orig																					
177927 Dup																					
Method Blank																					
Method Blank																					
Method Blank	< 0.001	0.1	< 0.1	< 1	< 0.01	7	0.3	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	17	< 0.1	< 0.1	< 1	0.4



Date Submitted: 30-Aug-16
Invoice No.: A16-08789
Invoice Date: 05-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

11 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08789**

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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

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

Date Submitted: 30-Aug-16
Invoice No.: A16-08789
Invoice Date: 05-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

11 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-08789**

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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: A16-08789

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
177932	5	8.19	0.3	< 1	< 100	53	< 1	0.1	7.72	0.1	15	47.1	61	77.9	4.1	8.57	1.6	0.82	6.2	24.3	2.89	0.3	64.8
177933	< 5	6.64	0.2	< 1	< 100	42	< 1	0.1	8.46	< 0.1	13	47.2	56	121	3.2	7.58	1.7	0.73	5.1	18.1	2.90	0.3	65.1
177934	< 5	6.27	0.2	1	< 100	67	< 1	0.2	8.76	< 0.1	15	46.0	46	84.0	2.1	7.19	1.6	0.34	6.3	18.8	2.90	0.8	58.0
177935	< 5	7.34	0.2	1	200	42	< 1	0.2	8.50	< 0.1	13	43.2	54	113	1.7	7.53	1.7	0.30	4.9	19.0	3.21	1.1	59.7
177936	< 5	11.8	0.1	< 1	< 100	10	< 1	< 0.1	0.17	< 0.1	< 1	< 0.2	6	1.9	0.6	0.13	0.2	4.75	0.4	28.4	> 10.0	< 0.1	< 0.1
177937	< 5	7.90	0.2	2	< 100	71	< 1	0.1	6.94	< 0.1	14	46.0	58	100	1.5	8.29	1.9	0.37	5.5	17.8	3.40	3.0	66.1
178033	11	7.75	0.1	1	< 100	81	< 1	< 0.1	4.75	< 0.1	18	49.8	14	118	2.0	9.18	2.1	0.37	7.3	28.8	3.29	1.9	50.0
178034	6	7.76	0.6	< 1	< 100	105	< 1	< 0.1	5.53	0.1	16	47.7	14	112	2.0	9.32	1.4	0.36	6.7	25.2	3.36	0.1	49.9
178035	9	7.17	0.4	< 1	< 100	59	< 1	0.1	6.85	0.1	15	45.4	18	107	2.3	8.69	2.1	0.44	6.2	24.2	2.91	3.5	44.8
178036	5	7.32	0.2	1	< 100	156	< 1	< 0.1	5.88	< 0.1	16	47.3	14	115	2.9	8.49	2.0	0.54	6.7	28.4	2.46	0.2	46.9
178044	2010	6.23	0.5	< 1	1400	70	< 1	0.2	7.50	0.1	19	50.5	6	126	1.8	8.93	2.2	0.66	7.9	18.8	2.62	0.2	20.8

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
177932	0.050	56.8	5.0	< 1	3.08	1350	2.3	0.6	41	< 0.1	85	< 0.1	0.9	0.440	0.35	0.2	220	< 0.1	12.4	107	57.3
177933	0.040	50.2	3.2	1	2.11	1290	0.8	0.4	36	< 0.1	81	< 0.1	0.9	0.420	0.30	0.2	206	< 0.1	12.9	79	58.7
177934	0.040	20.9	5.3	< 1	2.74	1630	1.9	0.3	35	< 0.1	111	< 0.1	0.8	0.410	0.12	0.2	187	< 0.1	15.9	78	52.7
177935	0.040	17.6	4.1	< 1	2.93	1500	2.4	0.8	35	< 0.1	102	< 0.1	0.9	0.450	0.10	0.2	194	0.1	17.1	91	60.9
177936	< 0.001	55.7	5.4	< 1	0.02	37	0.3	0.9	< 1	< 0.1	15	< 0.1	0.1	< 0.001	0.62	< 0.1	22	< 0.1	0.9	< 1	11.1
177937	0.050	17.5	2.8	< 1	2.80	1460	1.1	1.2	37	< 0.1	98	0.2	1.0	0.550	0.13	0.7	235	0.7	17.3	98	68.8
178033	0.050	22.6	3.0	< 1	4.33	1210	2.4	0.4	41	< 0.1	90	< 0.1	1.2	0.600	0.13	0.3	251	0.2	14.4	126	81.8
178034	0.050	22.7	4.8	< 1	3.67	1330	0.9	0.5	37	< 0.1	124	< 0.1	1.2	0.340	0.14	0.3	171	< 0.1	13.1	119	50.0
178035	0.050	24.0	6.7	< 1	3.33	1470	2.5	1.8	36	< 0.1	135	0.2	1.2	0.560	0.15	0.3	230	3.4	12.2	120	78.8
178036	0.050	38.1	5.4	< 1	3.56	1340	0.6	0.3	38	< 0.1	122	< 0.1	1.1	0.490	0.22	0.3	223	< 0.1	13.2	110	72.9
178044	0.060	30.3	4.9	2	2.30	1610	0.5	0.4	34	< 0.1	118	< 0.1	1.3	0.590	0.19	0.3	237	0.2	16.4	93	85.1

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		2.51	38.0	441	> 2000	738	< 1	1560	0.90	2.8	15	8.4	18	1080	2.4	27.4	0.5	0.04	7.1	8.6	0.050	0.5	45.3	
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		6.92	4.2	105	900	96	2	21.1	0.94	0.5	98	14.0	72	5540	2.3	3.08	1.3	4.25	50.0	12.9	0.620	9.0	43.3	
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		8.76		< 1		687	3		1.00		81	18.3	51	40.9	3.6	4.83	0.9	2.77	36.8	41.9	1.80	< 0.1	38.9	
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		15.5	0.3	246	< 100	1310	< 1	0.2	0.17	< 0.1	32	13.8	53	66.7	3.6	5.65	2.1	1.94	10.7	42.7	0.120	0.3	26.1	
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						109						57.4	157	94.4						3.4	5.3		1.6	290
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																			
OREAS 203 Meas	876																							
OREAS 203 Cert	871.000																							
SBC-1 Meas				24		289	3	0.8		0.3	95	22.6	78	33.7	7.1		3.3		44.0	203		10.4	93.3	
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						1050	9	1.2		5.2	83	13.7	44	303	1.6		3.7		34.8	21.8		3.0	55.1	
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 Meas	501																							
OREAS 251 Cert	504																							
178036 Orig	5																							
178036 Dup	5																							
Method Blank	< 5																							
Method Blank		0.01	0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.4	< 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	0.090	2.3	726	< 1	0.24	847	19.0	36.2	1	27.0	265	< 0.1	2.6	0.030	0.36	31.2	89	113	28.1	838	21.8
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													786			2120					
DH-1a Cert													910			2629					
GXR-4 Meas	0.190	112	48.8	3	1.86	141	289	4.6	8	5.5	179	0.6	19.5	0.300	3.03	5.3	90	30.1	12.1	70	39.3
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	0.080	92.4	23.6		1.14	782		< 0.1	17	< 0.1	143	< 0.1	11.2	0.250	0.59	2.7	66	< 0.1		108	31.1
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	0.050	61.2	99.0	< 1	0.76	934	0.3	0.8	30	< 0.1	30	< 0.1	5.0		1.93	1.3	124	< 0.1	10.8	135	69.2
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	5.3					0.4	34		121			0.330			144		14.5	66	38.3
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																					
OREAS 203 Meas																					
OREAS 203 Cert																					
SBC-1 Meas		108	34.6				2.1	1.0	24	2.0	144	0.4	15.2	0.610	0.82	5.3	224	1.3	27.9	210	117
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		112	753				12.9		5		114	< 0.1	11.8			2.0	42	< 0.1	21.3	854	112
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 Meas																					
OREAS 251 Cert																					
178036 Orig																					
178036 Dup																					
Method Blank																					
Method Blank	< 0.001	0.1	< 0.1	< 1	< 0.01	7	0.3	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	17	< 0.1	< 0.1	< 1	0.4



Date Submitted: 01-Sep-16
Invoice No.: A16-08848
Invoice Date: 05-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-08848**

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

Date Submitted: 01-Sep-16
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Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08848**

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Notes:

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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: A16-08848

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
177938	< 5	7.31	1.6	< 1	< 100	62	< 1	0.2	7.70	< 0.1	16	44.1	61	69.6	0.8	8.18	1.8	0.27	6.6	16.6	2.67	1.1	64.7
177939	< 5	7.73	0.8	< 1	< 100	70	< 1	0.2	7.05	< 0.1	15	47.2	55	101	0.7	7.90	1.7	0.30	6.7	12.3	3.27	1.4	66.6
177940	< 5	8.69	0.4	< 1	< 100	90	< 1	0.2	7.15	< 0.1	15	50.4	58	107	1.2	8.40	1.8	0.44	6.2	18.0	3.28	0.9	71.4
177941	< 5	8.45	0.3	< 1	< 100	73	< 1	0.1	6.49	< 0.1	14	48.8	61	110	0.9	8.26	1.7	0.43	5.9	16.1	3.53	< 0.1	68.9
177942	< 5	7.90	0.6	1	< 100	103	< 1	0.1	4.78	< 0.1	14	47.8	83	83.8	1.9	9.09	2.0	0.87	5.6	16.6	3.05	3.5	67.5
177943	< 5	7.74	0.8	< 1	400	115	< 1	0.3	5.71	< 0.1	12	44.5	72	149	1.5	7.95	1.8	1.07	4.6	20.0	3.25	1.4	66.0
177944	377	9.05	0.5	149	500	537	< 1	0.1	3.52	0.1	20	13.8	38	44.9	0.6	4.87	1.0	0.85	8.8	8.2	2.77	0.9	26.9
177945	5	7.97	0.4	1	< 100	98	< 1	0.4	6.99	< 0.1	14	46.9	72	117	0.7	8.28	1.8	0.94	5.8	6.4	3.85	0.7	68.8
177946	7	8.60	0.3	3	< 100	116	< 1	0.4	7.45	< 0.1	15	56.4	76	150	0.7	9.62	2.0	0.99	6.2	6.5	3.49	1.6	77.9
177947	< 5	9.42	0.2	2	< 100	87	< 1	0.2	7.52	< 0.1	15	49.7	69	75.6	0.6	8.96	1.8	0.75	6.1	4.3	4.38	0.8	74.0
177948	< 5	8.25	0.3	5	< 100	116	< 1	0.2	6.95	< 0.1	15	49.7	61	97.7	1.3	9.66	2.1	1.20	6.1	10.6	3.21	1.5	67.1
177949	6	9.53	0.3	2	< 100	88	< 1	0.2	7.14	0.1	15	55.4	64	151	0.9	10.0	1.9	0.96	5.9	8.9	3.81	2.4	75.6
177950	< 5	8.21	0.7	< 1	< 100	86	< 1	0.2	6.21	< 0.1	13	48.2	61	111	0.8	8.71	1.3	0.81	5.5	7.4	3.88	0.1	67.4
177951	< 5	8.54	0.3	5	< 100	52	< 1	0.2	7.36	< 0.1	14	48.4	78	95.3	0.5	8.69	1.8	0.51	6.0	2.8	3.18	0.4	67.1
177952	< 5	8.78	0.2	1	< 100	69	< 1	0.2	6.41	< 0.1	15	50.5	71	104	0.6	8.89	1.0	0.49	6.1	6.2	3.83	< 0.1	71.5
177953	< 5	8.07	0.2	< 1	< 100	82	< 1	0.1	5.68	< 0.1	13	47.3	66	89.3	0.8	8.67	0.9	0.60	5.1	8.9	4.99	< 0.1	68.2
177954	< 5	8.47	0.2	< 1	< 100	126	< 1	< 0.1	5.76	< 0.1	14	48.2	58	86.5	1.4	9.31	1.8	1.28	5.4	10.9	3.78	< 0.1	67.7
177955	< 5	8.61	0.2	< 1	< 100	99	< 1	0.1	6.43	< 0.1	14	50.0	61	89.4	1.2	9.30	1.8	0.90	5.8	9.8	3.69	< 0.1	71.1
177956	< 5	8.39	0.1	1	< 100	65	< 1	0.2	7.33	< 0.1	15	50.7	65	80.2	0.6	8.59	1.3	0.62	6.3	4.0	3.81	0.2	67.7
177957	< 5	8.59	0.5	< 1	< 100	205	< 1	0.1	6.14	0.3	13	45.2	57	83.3	1.3	8.84	1.3	1.08	5.2	13.4	3.93	< 0.1	65.6
177958	< 5	8.37	0.3	< 1	< 100	160	< 1	0.1	6.04	0.1	13	47.6	65	95.6	1.8	8.61	1.5	1.55	5.3	12.6	3.68	< 0.1	68.6
177959	< 5	8.09	0.3	< 1	< 100	153	< 1	0.2	7.72	< 0.1	13	43.9	74	148	1.3	8.18	1.8	1.33	5.4	9.2	3.13	2.3	63.6
177960	< 5	8.56	0.2	< 1	100	97	< 1	0.2	6.66	< 0.1	14	47.7	77	89.0	0.9	8.94	1.3	0.91	5.6	7.1	3.72	< 0.1	68.6
177961	8	8.07	0.2	< 1	< 100	91	< 1	0.1	6.20	0.2	14	49.0	60	90.9	1.1	8.79	1.3	0.91	5.5	10.6	3.46	0.1	68.0
177962	3480	8.40	0.6	8	> 2000	621	< 1	0.4	2.67	0.3	21	13.8	58	63.0	0.9	5.12	0.9	0.92	9.7	18.4	2.73	0.3	45.9
178121	78	9.17	0.3	< 1	< 100	25	< 1	0.3	5.42	< 0.1	14	54.6	55	248	0.4	9.62	1.4	0.14	5.4	32.7	3.45	< 0.1	72.5
178122	20	7.72	0.9	1	< 100	62	< 1	0.2	7.45	< 0.1	12	41.3	52	95.0	0.9	7.76	1.6	0.50	4.8	24.0	3.27	1.4	57.4
178123	19	7.76	0.5	< 1	< 100	63	< 1	0.1	7.37	< 0.1	12	39.5	49	90.7	0.9	7.34	1.6	0.47	4.8	24.3	3.30	1.4	56.5
178124	< 5	7.97	0.3	< 1	< 100	55	< 1	< 0.1	7.37	< 0.1	11	42.7	55	103	0.3	7.58	1.7	0.23	4.6	28.3	2.75	1.4	63.7
178125	< 5	8.58	0.2	< 1	< 100	83	< 1	< 0.1	5.84	< 0.1	14	46.5	56	94.4	0.5	8.02	1.5	0.37	5.8	22.6	2.42	0.5	67.3
178126	< 5	8.49	0.2	< 1	< 100	66	< 1	< 0.1	6.33	< 0.1	15	45.6	55	92.6	0.4	8.28	1.3	0.26	6.0	19.2	2.32	0.1	64.1
178127	< 5	7.79	0.2	< 1	< 100	96	< 1	< 0.1	6.23	< 0.1	13	43.7	75	89.8	0.4	7.71	1.6	0.30	5.1	21.4	2.54	2.8	68.2
178128	992	7.62	0.4	< 1	700	70	< 1	0.1	6.77	0.1	12	39.8	70	88.0	0.4	6.68	1.6	0.32	4.8	9.0	4.84	2.4	57.5
178129	< 5	8.73	0.1	< 1	< 100	70	< 1	< 0.1	5.70	< 0.1	14	44.9	71	106	0.4	7.60	1.3	0.28	5.6	14.7	3.91	< 0.1	63.3

Results

Activation Laboratories Ltd.

Report: A16-08848

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	
177938	0.040	7.7	3.9	< 1	2.69	1620	1.6	0.3	40	< 0.1	130	< 0.1	1.0	0.450	< 0.05	5.8	233	1.0	18.0	86	62.2	
177939	0.040	8.4	12.5	< 1	2.85	1580	1.0	0.4	39	< 0.1	141	< 0.1	1.0	0.450	0.07	0.3	220	0.2	18.7	92	55.1	
177940	0.050	14.4	3.2	< 1	2.87	1550	1.5	0.4	44	< 0.1	148	< 0.1	0.9	0.480	0.11	0.2	240	0.1	17.7	100	65.4	
177941	0.040	13.0	3.0	< 1	2.74	1480	0.4	0.1	43	< 0.1	161	< 0.1	0.9	0.340	0.09	0.2	213	< 0.1	17.9	92	61.2	
177942	0.050	27.7	3.3	< 1	3.78	1410	3.2	2.0	41	< 0.1	158	0.2	1.4	0.550	0.33	0.3	240	0.9	17.9	105	71.8	
177943	0.040	31.9	2.3	< 1	3.24	1160	2.0	0.3	38	< 0.1	58	< 0.1	0.9	0.530	0.31	0.2	235	0.4	16.9	93	66.3	
177944	0.070	16.7	12.6	< 1	1.58	834	2.5	0.9	21	< 0.1	272	< 0.1	2.0	0.310	0.12	0.7	125	0.4	16.8	65	30.9	
177945	0.040	22.4	5.4	< 1	2.77	1310	3.3	0.5	43	< 0.1	145	< 0.1	1.0	0.510	0.22	0.3	251	< 0.1	17.7	87	64.3	
177946	0.050	20.8	6.6	< 1	2.62	1440	3.6	0.3	45	< 0.1	189	< 0.1	1.1	0.570	0.23	0.3	286	< 0.1	19.0	101	69.6	
177947	0.050	19.0	5.3	< 1	2.92	1510	0.6	0.1	47	< 0.1	168	< 0.1	1.0	0.505	0.16	0.3	241	< 0.1	18.7	99	62.9	
177948	0.050	37.0	4.2	< 1	4.09	1480	4.4	0.2	45	< 0.1	160	< 0.1	1.1	0.600	0.30	0.3	257	0.1	19.1	102	77.0	
177949	0.050	27.6	3.6	< 1	3.52	1550	3.6	0.9	46	< 0.1	212	< 0.1	1.0	0.630	0.23	0.3	274	0.3	18.5	103	70.1	
177950	0.050	25.0	2.7	< 1	3.20	1430	1.0	0.3	42	< 0.1	162	< 0.1	1.0	0.320	0.22	0.2	170	< 0.1	18.1	104	48.5	
177951	0.040	13.6	4.0	< 1	2.96	1470	1.6	0.2	40	< 0.1	150	< 0.1	1.0	0.440	0.11	0.3	235	< 0.1	17.3	91	60.0	
177952	0.050	14.3	3.5	< 1	3.22	1440	0.3	< 0.1	46	< 0.1	131	< 0.1	1.0	0.220	0.10	0.3	146	< 0.1	18.9	102	30.9	
177953	0.040	17.5	3.2	< 1	3.13	1460	0.8	< 0.1	43	< 0.1	94	< 0.1	0.9	0.230	0.13	0.3	149	< 0.1	17.4	100	30.9	
177954	0.040	42.0	3.0	< 1	3.62	1500	0.2	< 0.1	41	< 0.1	202	< 0.1	1.0	0.320	0.32	0.2	215	< 0.1	18.0	99	63.2	
177955	0.040	29.8	3.4	< 1	3.28	1580	0.3	< 0.1	45	< 0.1	200	< 0.1	1.0	0.360	0.23	0.3	230	< 0.1	18.4	101	61.7	
177956	0.050	15.5	4.1	< 1	2.89	1420	0.9	0.2	42	< 0.1	193	< 0.1	0.9	0.380	0.11	0.2	185	< 0.1	17.5	92	42.7	
177957	0.050	33.7	3.0	< 1	3.86	1400	0.4	< 0.1	41	< 0.1	128	< 0.1	0.9	0.345	0.30	0.3	184	< 0.1	17.4	104	43.3	
177958	0.040	50.5	3.3	< 1	3.86	1480	0.4	< 0.1	42	< 0.1	140	< 0.1	0.9	0.340	0.42	0.3	192	< 0.1	17.4	93	57.6	
177959	0.050	41.0	3.3	< 1	3.32	1390	0.8	0.5	39	< 0.1	149	< 0.1	0.9	0.520	0.34	0.3	234	< 0.1	16.4	85	64.9	
177960	0.050	29.9	3.9	< 1	3.67	1420	0.3	< 0.1	43	< 0.1	156	< 0.1	0.9	0.300	0.23	0.2	172	< 0.1	16.9	88	42.4	
177961	0.040	30.9	4.8	< 1	3.65	1370	0.2	< 0.1	42	< 0.1	128	< 0.1	0.9	0.340	0.24	0.3	174	< 0.1	17.5	92	45.0	
177962	0.090	20.9	17.4	< 1	1.67	732	1.4	0.9	19	< 0.1	244	< 0.1	1.9	0.250	0.23	0.9	105	0.2	14.9	99	38.8	
178121	0.050	4.8	4.1	< 1	4.84	1670	0.4	0.2	42	< 0.1	53	< 0.1	1.0	0.440	< 0.05	1.0	193	< 0.1	14.7	146	50.3	
178122	0.040	19.5	1.3	1	3.20	1310	3.4	0.2	36	< 0.1	62	< 0.1	0.8	0.450	0.14	0.2	225	0.6	15.6	92	55.8	
178123	0.040	20.7	1.2	1	3.18	1270	3.0	0.2	35	< 0.1	61	< 0.1	0.8	0.420	0.11	0.2	217	0.5	15.2	84	55.6	
178124	0.050	5.3	0.8	< 1	3.63	1420	0.6	0.4	42	< 0.1	54	< 0.1	0.9	0.480	< 0.05	0.2	208	0.2	16.7	100	63.2	
178125	0.040	8.9	1.9	< 1	3.39	1510	0.4	0.1	41	< 0.1	155	< 0.1	0.9	0.430	0.05	0.2	198	< 0.1	17.2	99	54.0	
178126	0.050	6.1	2.7	< 1	3.31	1490	0.2	< 0.1	42	< 0.1	154	< 0.1	0.9	0.370	< 0.05	0.2	174	< 0.1	17.5	97	43.5	
178127	0.050	7.5	1.8	< 1	3.43	1440	0.4	0.4	39	< 0.1	116	0.2	0.9	0.520	< 0.05	0.2	225	0.9	15.8	94	59.0	
178128	0.040	7.3	13.4	1	2.57	1070	2.2	0.4	38	< 0.1	66	0.1	0.8	0.520	< 0.05	0.2	220	5.6	15.2	83	54.6	
178129	0.050	6.5	3.5	< 1	3.27	1350	< 0.1	< 0.1	42	< 0.1	105	< 0.1	0.9	0.300	< 0.05	0.2	169	< 0.1	17.7	88	52.1	

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		2.51	38.0	441	> 2000	738	< 1	1560	0.90	2.8	15	8.4	18	1080	2.4	27.4	0.5	0.04	7.1	8.6	0.050	0.5	45.3
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		6.92	4.2	105	900	96	2	21.1	0.94	0.5	98	14.0	72	5540	2.3	3.08	1.3	4.25	50.0	12.9	0.620	9.0	43.3
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		8.76		< 1		687	3		1.00		81	18.3	51	40.9	3.6	4.83	0.9	2.77	36.8	41.9	1.80	< 0.1	38.9
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		15.5	0.3	246	< 100	1310	< 1	0.2	0.17	< 0.1	32	13.8	53	66.7	3.6	5.65	2.1	1.94	10.7	42.7	0.120	0.3	26.1
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						109						57.4	157	94.4					3.4	5.3		1.6	290
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																		
OREAS 203 Meas	869																						
OREAS 203 Cert	871.000																						
SBC-1 Meas				24		289	3	0.8		0.3	95	22.6	78	33.7	7.1		3.3		44.0	203		10.4	93.3
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						1050	9	1.2		5.2	83	13.7	44	303	1.6		3.7		34.8	21.8		3.0	55.1
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
177947 Orig	< 5	9.37	0.2	2	< 100	86	< 1	0.2	7.75	< 0.1	15	50.1	65	75.0	0.6	8.91	1.8	0.75	6.0	4.2	4.62	0.8	75.1
177947 Dup	< 5	9.48	0.2	2	< 100	88	< 1	0.2	7.29	< 0.1	15	49.3	72	76.1	0.6	9.01	1.8	0.74	6.2	4.3	4.13	0.7	73.0
177957 Orig	< 5	8.63	0.7	< 1	< 100	203	< 1	0.1	6.09	0.3	13	45.5	56	88.2	1.3	9.03	1.5	1.08	5.2	13.8	4.09	< 0.1	65.2
177957 Dup	< 5	8.54	0.4	< 1	< 100	206	< 1	0.1	6.19	0.4	13	44.9	57	78.4	1.3	8.64	1.1	1.08	5.2	13.0	3.76	< 0.1	66.0
177959 Orig		7.74	0.3	< 1	< 100	155	< 1	0.2	7.70	0.1	13	45.0	75	172	1.3	8.29	1.9	1.28	5.4	9.1	3.18	3.0	63.9
177959 Dup		8.43	0.2	< 1	< 100	151	< 1	0.2	7.74	< 0.1	13	42.8	74	124	1.3	8.08	1.7	1.37	5.4	9.2	3.09	1.6	63.4
178125 Orig	5																						
178125 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		0.01	0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.4	< 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	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	0.090	2.3	726	< 1	0.24	847	19.0	36.2	1	27.0	265	< 0.1	2.6	0.030	0.36	31.2	89	113	28.1	838	21.8
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													786			2120					
DH-1a Cert													910			2629					
GXR-4 Meas	0.190	112	48.8	3	1.86	141	289	4.6	8	5.5	179	0.6	19.5	0.300	3.03	5.3	90	30.1	12.1	70	39.3
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	0.080	92.4	23.6		1.14	782		< 0.1	17	< 0.1	143	< 0.1	11.2	0.250	0.59	2.7	66	< 0.1		108	31.1
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	0.050	61.2	99.0	< 1	0.76	934	0.3	0.8	30	< 0.1	30	< 0.1	5.0		1.93	1.3	124	< 0.1	10.8	135	69.2
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	5.3					0.4	34		121			0.330			144		14.5	66	38.3
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																					
OREAS 203 Meas																					
OREAS 203 Cert																					
SBC-1 Meas		108	34.6				2.1	1.0	24	2.0	144	0.4	15.2	0.610	0.82	5.3	224	1.3	27.9	210	117
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		112	753				12.9		5		114	< 0.1	11.8			2.0	42	< 0.1	21.3	854	112
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
177947 Orig	0.050	18.0	5.3	< 1	2.92	1500	0.6	0.2	47	< 0.1	168	< 0.1	1.0	0.520	0.17	0.3	244	< 0.1	18.7	97	62.1
177947 Dup	0.050	20.1	5.3	< 1	2.92	1520	0.6	0.1	46	< 0.1	168	< 0.1	1.0	0.490	0.16	0.3	237	< 0.1	18.7	100	63.7
177957 Orig	0.050	33.4	2.9	< 1	3.87	1400	0.6	< 0.1	42	< 0.1	125	< 0.1	0.9	0.410	0.31	0.3	210	< 0.1	17.2	112	51.5
177957 Dup	0.050	34.0	3.0	< 1	3.86	1390	0.3	< 0.1	39	< 0.1	130	< 0.1	0.9	0.280	0.28	0.4	158	< 0.1	17.6	97	35.1
177959 Orig	0.050	40.2	3.3	< 1	3.39	1380	0.9	0.9	37	< 0.1	149	0.2	0.9	0.510	0.34	0.3	234	0.8	16.4	84	64.8
177959 Dup	0.050	41.8	3.3	< 1	3.24	1390	0.6	0.1	40	< 0.1	149	< 0.1	0.9	0.530	0.34	0.3	234	< 0.1	16.3	85	65.0
178125 Orig																					
178125 Dup																					
Method Blank																					
Method Blank																					
Method Blank	< 0.001	0.1	< 0.1	< 1	< 0.01	7	0.3	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	17	< 0.1	< 0.1	< 1	0.4



Date Submitted: 01-Sep-16
Invoice No.: A16-08849
Invoice Date: 07-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08849**

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: 01-Sep-16
Invoice No.: A16-08849
Invoice Date: 07-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-08849**

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

Results

Activation Laboratories Ltd.

Report: A16-08849

Analyte Symbol	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni	P
Unit Symbol	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%
Lower Limit	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	0.001
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	TD-MS
178130	9.00	0.1	< 1	< 100	64	< 1	< 0.1	6.13	< 0.1	13	46.6	58	96.0	0.3	7.93	0.9	0.26	5.6	14.4	3.91	< 0.1	67.1	0.040
178131	7.51	0.8	< 1	100	89	< 1	0.1	7.33	< 0.1	14	44.4	56	100	0.4	7.38	1.5	0.39	6.0	14.7	3.30	0.9	60.6	0.050
178132	8.54	0.8	8	> 2000	601	< 1	0.4	2.62	0.3	20	13.5	62	62.7	0.9	5.19	0.8	0.96	9.2	18.6	2.87	0.2	45.6	0.100
178133	7.52	0.6	< 1	< 100	70	< 1	0.2	7.39	< 0.1	12	46.8	59	89.2	0.3	7.64	1.6	0.41	4.9	15.0	3.65	1.2	62.6	0.040
178134	9.08	0.3	2	< 100	212	< 1	< 0.1	7.49	< 0.1	15	47.6	60	104	0.4	8.27	1.6	0.29	5.9	17.8	2.88	1.4	67.6	0.050
178135	9.08	0.2	< 1	< 100	174	< 1	< 0.1	6.74	< 0.1	14	47.2	62	98.7	0.3	8.01	1.7	0.27	5.7	14.4	2.92	1.6	67.1	0.050
178136	9.32	0.2	< 1	< 100	178	< 1	< 0.1	6.19	< 0.1	15	47.5	63	90.8	0.4	8.06	1.7	0.34	5.7	21.2	2.70	1.5	68.5	0.050
178137	8.50	0.1	< 1	< 100	84	< 1	< 0.1	6.64	< 0.1	15	48.7	65	103	0.3	8.51	1.6	0.30	5.9	18.1	2.88	0.4	68.3	0.040
178138	8.16	0.4	8	< 100	157	< 1	< 0.1	6.95	< 0.1	14	43.3	113	106	0.6	6.71	1.5	0.76	6.9	14.9	3.27	0.3	54.0	0.040
178139	7.69	0.4	< 1	< 100	201	< 1	0.4	6.44	0.3	13	42.5	106	124	0.7	6.30	1.5	0.74	6.6	12.4	3.22	0.1	53.7	0.040
178140	0.30	0.2	< 1	600	210	< 1	< 0.1	19.0	0.3	1	0.2	5	3.0	0.6	0.10	0.2	0.08	0.7	25.3	0.060	0.4	2.6	< 0.001
178141	7.88	0.5	2	200	182	< 1	< 0.1	6.56	0.3	14	40.6	75	109	1.1	6.54	1.6	0.65	7.0	24.6	2.04	0.3	48.0	0.040
178142	8.23	0.3	< 1	500	166	< 1	< 0.1	5.67	0.2	14	45.1	77	113	1.2	7.27	1.7	0.69	7.2	27.1	1.88	0.9	52.5	0.040
178143	7.80	0.2	< 1	< 100	141	< 1	< 0.1	6.19	< 0.1	15	41.8	70	97.2	0.9	6.62	1.7	0.51	7.3	22.5	1.84	1.0	48.5	0.040
178144	8.70	0.2	< 1	< 100	144	< 1	< 0.1	6.28	< 0.1	15	47.3	81	124	1.0	7.45	1.8	0.57	7.5	25.5	1.90	2.4	60.3	0.040
178145	8.82	0.9	< 1	< 100	157	< 1	< 0.1	5.95	0.3	14	46.3	90	113	0.9	7.35	1.7	0.54	7.1	28.8	2.26	1.4	61.8	0.040
178146	8.41	0.8	4	< 100	92	< 1	0.6	6.30	0.2	14	45.2	111	122	0.8	7.10	1.8	0.36	7.4	25.8	1.95	3.5	56.0	0.040
178147	8.64	0.5	< 1	< 100	150	< 1	< 0.1	5.24	0.2	15	45.9	111	94.5	1.1	7.26	1.6	0.51	7.3	34.4	2.44	0.3	57.2	0.040
178148	9.30	0.3	170	500	610	< 1	0.2	3.97	0.1	20	13.3	59	52.2	0.7	4.12	0.9	1.02	10.9	8.4	2.85	0.9	20.8	0.060
178149	8.79	0.2	< 1	< 100	83	< 1	< 0.1	5.84	0.2	15	47.3	85	139	0.7	7.49	1.0	0.30	7.2	26.7	2.55	< 0.1	55.7	0.040
178150	7.94	0.2	4	< 100	59	< 1	< 0.1	10.7	0.3	13	44.4	74	113	0.5	6.67	1.1	0.21	7.0	17.5	1.77	0.1	50.3	0.040
178151	8.02	0.2	2	< 100	102	< 1	< 0.1	7.22	< 0.1	14	47.3	82	125	0.5	7.26	1.2	0.36	7.1	16.9	2.36	0.3	57.0	0.040
178152	8.71	0.2	1	< 100	137	< 1	< 0.1	7.43	0.3	14	46.3	81	120	0.5	6.93	1.3	0.31	7.1	18.7	2.61	0.4	58.7	0.040
178153	7.30	0.6	< 1	500	170	< 1	0.5	6.65	0.2	13	45.8	80	118	0.7	6.94	1.5	0.53	6.3	18.1	2.90	2.7	47.1	0.040
178154	9.53	0.9	3	< 100	158	< 1	0.1	7.05	< 0.1	15	48.5	88	118	0.8	7.97	1.6	0.58	7.5	26.1	2.44	3.3	60.8	0.050
178155	8.81	0.5	3	< 100	86	< 1	< 0.1	8.42	0.3	14	46.3	88	119	0.5	6.99	1.5	0.36	7.1	16.4	2.46	2.5	58.2	0.040
178156	8.66	0.3	1	< 100	66	< 1	< 0.1	8.38	< 0.1	14	41.9	92	118	0.4	6.99	1.4	0.27	6.9	17.3	2.39	0.7	54.7	0.040
178157	7.83	0.3	3	< 100	67	< 1	< 0.1	7.91	0.1	13	41.4	111	111	0.4	6.79	1.7	0.27	6.7	16.7	2.29	3.4	52.2	0.040
178158	8.63	0.3	< 1	100	85	< 1	0.1	7.08	0.2	14	45.0	124	109	0.7	7.36	1.5	0.48	7.3	22.1	2.08	0.3	54.0	0.040
178159	8.30	0.3	< 1	< 100	144	1	0.3	7.73	0.3	13	41.6	111	94.9	1.0	6.77	1.5	0.84	6.7	21.1	2.63	0.8	52.3	0.040
178160	8.76	0.2	< 1	< 100	228	< 1	< 0.1	5.64	< 0.1	14	46.4	88	128	1.5	7.48	1.2	1.29	7.2	25.1	1.85	< 0.1	48.8	0.040
178161	8.68	0.3	< 1	< 100	215	1	0.4	5.74	0.2	14	44.3	76	182	1.7	7.34	1.4	1.36	7.0	19.2	2.89	0.1	53.0	0.040
178162	9.03	0.2	< 1	< 100	124	1	0.1	6.20	< 0.1	12	44.6	96	165	1.6	7.02	1.5	0.81	6.2	17.6	3.70	0.3	68.6	0.040
178163	9.68	1.1	< 1	100	216	1	0.2	5.83	0.2	13	48.5	104	115	1.6	7.48	1.7	1.47	6.6	18.2	3.52	2.9	72.9	0.040

Analyte Symbol	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	ppb
Lower Limit	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	5
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	FA-AA
178130	5.7	3.5	< 1	3.25	1420	0.2	< 0.1	45	< 0.1	110	< 0.1	0.9	0.250	< 0.05	0.2	138	< 0.1	17.1	93	29.6	< 5
178131	7.9	9.5	< 1	2.62	1710	3.0	0.2	36	< 0.1	104	< 0.1	0.9	0.470	0.07	0.2	206	0.4	18.6	104	48.2	279
178132	19.8	17.5	< 1	1.71	750	0.9	0.7	18	< 0.1	238	< 0.1	1.9	0.170	0.22	0.8	82	0.1	14.5	98	26.2	3740
178133	8.2	6.5	2	2.90	1350	7.9	< 0.1	39	< 0.1	83	< 0.1	0.9	0.490	0.06	0.2	219	0.4	16.0	93	56.0	180
178134	7.0	3.7	< 1	3.22	1480	0.4	0.2	44	< 0.1	182	< 0.1	1.0	0.530	< 0.05	0.2	232	< 0.1	18.1	101	56.3	< 5
178135	6.6	3.3	< 1	3.28	1420	0.3	0.1	46	< 0.1	180	< 0.1	0.9	0.530	< 0.05	0.2	246	< 0.1	17.2	93	62.7	< 5
178136	9.1	2.7	< 1	3.26	1470	0.7	< 0.1	43	< 0.1	162	< 0.1	1.0	0.530	0.05	0.2	244	< 0.1	18.0	98	58.6	< 5
178137	7.5	3.5	< 1	3.29	1520	0.5	< 0.1	42	< 0.1	161	< 0.1	0.9	0.440	< 0.05	0.2	231	< 0.1	17.9	100	54.6	< 5
178138	25.5	2.5	< 1	3.12	1550	1.5	0.2	40	0.2	108	< 0.1	1.6	0.390	0.20	0.3	193	0.4	21.9	84	54.6	< 5
178139	22.9	5.2	< 1	2.65	1270	6.2	0.1	39	0.3	123	< 0.1	1.1	0.440	0.19	0.3	207	< 0.1	20.6	80	56.7	< 5
178140	2.7	2.2	< 1	12.0	297	0.5	0.2	< 1	< 0.1	120	< 0.1	0.2	0.010	0.06	0.3	17	< 0.1	1.1	7	5.7	< 5
178141	24.3	3.6	< 1	4.26	1190	1.6	0.2	39	0.3	117	< 0.1	1.3	0.460	0.19	0.3	197	0.1	21.5	83	60.4	153
178142	26.0	2.6	< 1	5.18	1190	0.5	< 0.1	42	< 0.1	148	< 0.1	1.4	0.440	0.17	0.3	208	< 0.1	21.7	89	63.6	< 5
178143	19.5	2.4	< 1	4.52	1110	0.4	0.2	41	< 0.1	150	< 0.1	1.4	0.410	0.12	0.3	190	< 0.1	22.9	78	59.1	< 5
178144	21.8	2.4	< 1	5.06	1290	0.6	0.2	41	0.2	162	0.2	1.3	0.515	0.15	0.3	221	0.1	23.4	88	67.8	< 5
178145	21.1	2.5	< 1	5.23	1210	0.8	0.1	42	< 0.1	133	< 0.1	1.2	0.510	0.16	0.3	227	< 0.1	22.2	85	69.9	< 5
178146	13.0	293	< 1	4.68	1440	2.1	0.6	41	0.7	143	0.3	1.4	0.550	0.10	0.3	230	0.7	22.2	80	68.6	19
178147	21.5	3.4	< 1	5.88	1250	0.3	< 0.1	43	< 0.1	103	< 0.1	1.2	0.400	0.13	0.3	217	< 0.1	22.5	68	63.1	< 5
178148	22.6	14.7	< 1	1.57	931	3.1	0.9	23	0.9	290	< 0.1	2.3	0.330	0.13	0.8	132	0.3	20.9	61	28.1	363
178149	10.8	2.3	< 1	4.50	1580	0.2	< 0.1	44	< 0.1	132	< 0.1	1.2	0.350	0.06	0.3	173	< 0.1	23.3	90	42.4	< 5
178150	7.7	4.3	< 1	2.87	1480	0.4	0.3	38	0.3	160	< 0.1	1.0	0.410	< 0.05	0.3	188	< 0.1	20.7	81	40.8	< 5
178151	11.9	3.1	< 1	3.29	1600	0.3	0.1	41	< 0.1	196	< 0.1	1.1	0.410	0.06	0.3	189	< 0.1	21.8	96	48.4	< 5
178152	10.6	3.0	< 1	3.28	1710	0.4	0.1	41	< 0.1	182	< 0.1	1.1	0.460	0.05	0.3	206	< 0.1	22.1	92	50.4	< 5
178153	19.5	11.0	2	3.54	1270	16.7	0.3	36	0.5	103	0.2	1.0	0.480	0.12	0.2	201	2.2	19.9	91	58.2	452
178154	19.7	3.4	< 1	4.69	1540	0.9	0.6	44	0.6	173	0.2	1.2	0.590	0.18	0.3	254	0.9	23.5	106	62.5	< 5
178155	12.5	3.4	< 1	2.95	1530	1.6	0.3	43	0.2	203	0.1	1.1	0.520	0.08	0.3	234	0.2	21.8	84	53.0	< 5
178156	9.5	3.2	< 1	2.98	1590	0.7	0.2	41	0.8	166	< 0.1	1.1	0.410	0.05	0.3	199	< 0.1	21.7	88	52.7	< 5
178157	5.9	3.1	< 1	2.87	1560	1.8	0.5	39	0.4	163	0.3	1.2	0.540	0.05	0.3	225	0.9	21.5	89	61.5	< 5
178158	17.1	3.3	< 1	4.10	1560	0.4	0.2	42	< 0.1	181	< 0.1	1.1	0.460	0.11	0.3	226	< 0.1	21.4	89	58.5	< 5
178159	30.9	3.7	1	4.34	1210	1.1	0.1	40	0.5	153	< 0.1	1.0	0.500	0.20	0.3	220	< 0.1	21.0	89	65.3	< 5
178160	49.2	3.7	< 1	5.19	1320	0.2	< 0.1	45	< 0.1	168	< 0.1	1.1	0.360	0.34	0.3	181	< 0.1	23.0	84	43.6	< 5
178161	50.6	6.0	< 1	4.73	1340	4.1	0.2	42	0.4	126	< 0.1	1.1	0.470	0.35	0.3	216	< 0.1	21.7	111	56.5	9
178162	32.4	3.5	< 1	4.84	1430	1.1	0.3	42	0.8	149	< 0.1	1.0	0.450	0.22	0.3	221	< 0.1	20.3	140	63.6	< 5
178163	54.6	4.2	< 1	5.07	1500	1.6	0.7	44	0.6	203	0.2	1.1	0.540	0.43	0.3	243	0.5	21.3	120	62.1	< 5

Analyte Symbol	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni	P
Unit Symbol	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%
Lower Limit	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	0.001
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	TD-MS
GXR-1 Meas	2.51	38.0	441	> 2000	738	< 1	1560	0.90	2.8	15	8.4	18	1080	2.4	27.4	0.5	0.04	7.1	8.6	0.050	0.5	45.3	0.090
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	0.0650
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	7.58	4.6	115	400	123	2	23.0	1.10	0.5	100	13.5	88	6250	2.5	2.71	1.3	3.69	62.0	11.5	0.610	9.5	35.9	0.184
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	0.120
GXR-4 Meas	6.92	4.2	105	900	96	2	21.1	0.94	0.5	98	14.0	72	5540	2.3	3.08	1.3	4.25	50.0	12.9	0.620	9.0	43.3	0.190
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	0.120
SDC-1 Meas	8.76		< 1		687	3		1.00		81	18.3	51	40.9	3.6	4.83	0.9	2.77	36.8	41.9	1.80	< 0.1	38.9	0.080
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	0.0690
GXR-6 Meas	15.6	0.3	245	< 100	1530	2	0.2	0.21	0.2	32	13.2	63	74.9	4.0	4.81	1.3	2.29	13.3	37.0	0.110	0.2	22.4	0.047
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	0.0350
GXR-6 Meas	15.5	0.3	246	< 100	1310	< 1	0.2	0.17	< 0.1	32	13.8	53	66.7	3.6	5.65	2.1	1.94	10.7	42.7	0.120	0.3	26.1	0.050
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	0.0350
DNC-1a Meas					126						56.4	191	107					4.2	4.9		2.0	249	
DNC-1a Cert					118						57	270	100					3.6	5.2		3	247	
DNC-1a Meas					109						57.4	157	94.4					3.4	5.3		1.6	290	
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																			
OREAS 203 Meas																							
OREAS 203 Cert																							
SBC-1 Meas			28		399	4	0.9		0.5	100	22.0	125	37.7	8.3		3.0		56.7	180		11.4	79.9	
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			24		289	3	0.8		0.3	95	22.6	78	33.7	7.1		3.3		44.0	203		10.4	93.3	
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	9.13		5		216	1	0.6	0.21		34	29.0	662	390	3.6	12.8	2.1	0.51	18.4	22.2	0.100	< 0.1	214	0.044
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	0.042
SdAR-M2 (U.S.G.S.) Meas					1200	8	1.3		6.1	90	13.3	54	257	1.8		0.5		49.8	18.7		2.4	44.5	
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	
SdAR-M2 (U.S.G.S.) Meas					1050	9	1.2		5.2	83	13.7	44	303	1.6		3.7		34.8	21.8		3.0	55.1	
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 Meas																							
OREAS 251 Cert																							
178139 Orig																							
178139 Dup																							
178144 Orig	8.44	0.2	< 1	< 100	147	< 1	< 0.1	6.17	0.2	15	46.2	78	121	1.0	7.29	1.9	0.58	7.5	24.8	1.89	2.7	58.5	0.040
178144 Dup	8.97	0.2	2	< 100	140	< 1	< 0.1	6.39	< 0.1	15	48.4	84	127	1.0	7.62	1.8	0.57	7.4	26.1	1.91	2.1	62.0	0.040
178149 Orig																							
178149 Dup																							

Analyte Symbol	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni	P
Unit Symbol	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%
Lower Limit	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	0.001
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	TD-MS
178159 Orig																							
178159 Dup																							
Method Blank																							
Method Blank																							
Method Blank	0.01	0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.4	< 0.1	0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 0.001

Analyte Symbol	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	ppb
Lower Limit	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	5
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	FA-AA
GXR-1 Meas	2.3	726	< 1	0.24	847	19.0	36.2	1	27.0	265	< 0.1	2.6	0.030	0.36	31.2	89	113	28.1	838	21.8	
GXR-1 Cert	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												807			2110						
DH-1a Cert												910			2629						
DH-1a Meas												786			2120						
DH-1a Cert												910			2629						
GXR-4 Meas	126	54.6	2	1.98	169	364	5.0	8	6.7	176	0.6	22.5	0.330	3.25	5.6	92	34.2	14.3	67	44.4	
GXR-4 Cert	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	112	48.8	3	1.86	141	289	4.6	8	5.5	179	0.6	19.5	0.300	3.03	5.3	90	30.1	12.1	70	39.3	
GXR-4 Cert	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	92.4	23.6		1.14	782		< 0.1	17	< 0.1	143	< 0.1	11.2	0.250	0.59	2.7	66	< 0.1		108	31.1	
SDC-1 Cert	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	82.8	113	< 1	0.69	994	0.1	0.2	29	< 0.1	30	< 0.1	5.9		2.30	1.4	94	< 0.1	13.4	122	52.6	
GXR-6 Cert	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	61.2	99.0	< 1	0.76	934	0.3	0.8	30	< 0.1	30	< 0.1	5.0		1.93	1.3	124	< 0.1	10.8	135	69.2	
GXR-6 Cert	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	3.8	6.4					0.6	37		129			0.370			156		18.7	63	44.5	
DNC-1a Cert	5	6.3					0.96	31		144			0.29			148		18.0	70	38.0	
DNC-1a Meas	2.9	5.3					0.4	34		121			0.330			144		14.5	66	38.3	
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																					
OREAS 203 Meas																					821
OREAS 203 Cert																					871.000
SBC-1 Meas	152	40.3				2.6	1.1	23	3.1	157	0.5	18.0	0.580	0.92	5.8	211	1.3	35.2	183	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	
SBC-1 Meas	108	34.6				2.1	1.0	24	2.0	144	0.4	15.2	0.610	0.82	5.3	224	1.3	27.9	210	117	
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	43.4	23.7	< 1	0.22	484	0.7	< 0.1	57	< 0.1	27	< 0.1	15.6	0.210	0.25	2.8	113	0.6	12.2	40	88.5	
OREAS 45d (4-Acid) Cert	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	116	792				12.7			4		122	< 0.1	13.7		2.4	39	< 0.1	27.4	736	38.2	
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	112	753				12.9			5		114	< 0.1	11.8		2.0	42	< 0.1	21.3	854	112	
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 Meas																					492
OREAS 251 Cert																					504
178139 Orig																					< 5
178139 Dup																					< 5
178144 Orig	21.9	2.5	< 1	4.93	1240	0.6	0.3	41	0.3	159	0.2	1.4	0.520	0.14	0.3	220	0.1	23.3	86	66.9	
178144 Dup	21.7	2.4	< 1	5.20	1340	0.6	0.2	42	0.2	164	0.1	1.3	0.510	0.15	0.3	222	0.2	23.5	90	68.8	
178149 Orig																					< 5
178149 Dup																					< 5

Analyte Symbol	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	
Lower Limit	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	5	
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	FA-AA	
178159 Orig																						< 5
178159 Dup																						< 5
Method Blank																						< 5
Method Blank																						< 5
Method Blank	0.1	< 0.1	< 1	< 0.01	7	0.3	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	17	< 0.1	< 0.1	< 1	0.4		



Date Submitted: 02-Sep-16
Invoice No.: A16-08901
Invoice Date: 24-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08901**

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

Date Submitted: 02-Sep-16
Invoice No.: A16-08901
Invoice Date: 24-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-08901**

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

Results

Activation Laboratories Ltd.

Report: A16-08901

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
177984	5	9.42	0.6	4	< 100	147	1	0.3	8.86	0.3	15	48.4	97	98.2	0.8	7.91	1.7	0.97	7.5	4.8	3.13	3.4	60.3
177985	7	9.12	0.5	2	< 100	99	< 1	0.2	7.44	< 0.1	15	48.5	92	150	0.8	7.58	1.7	0.90	7.5	6.2	3.59	3.4	59.5
177986	< 5	9.04	0.3	3	< 100	113	< 1	0.3	8.54	0.1	15	49.2	84	118	0.9	7.78	1.8	1.11	7.6	7.2	2.86	3.4	58.3
177987	6	8.85	0.3	3	< 100	110	< 1	0.3	8.45	< 0.1	15	49.0	94	122	0.9	7.83	1.7	1.04	7.7	7.2	2.83	1.7	59.0
177988	5	8.16	0.3	3	< 100	89	1	0.3	8.47	0.3	14	43.9	120	94.8	0.7	7.24	1.7	0.73	6.7	5.7	2.85	3.5	54.8
177989	< 5	8.69	0.2	< 1	< 100	106	< 1	0.2	7.85	0.3	14	45.7	88	92.9	0.9	7.27	1.3	1.07	7.1	6.6	2.99	< 0.1	55.7
177990	< 5	8.44	0.9	< 1	< 100	96	< 1	0.3	8.17	< 0.1	15	46.3	90	124	0.8	7.56	1.2	0.86	7.4	5.5	2.78	< 0.1	56.2
177991	< 5	8.11	0.6	< 1	< 100	116	< 1	0.4	7.01	0.2	14	46.3	84	194	0.9	7.17	1.6	0.88	6.9	6.4	3.24	1.2	55.5
177992	< 5	9.26	0.4	1	< 100	112	< 1	0.2	7.35	0.4	15	49.0	85	133	0.8	7.47	1.7	0.97	7.4	6.3	3.48	0.8	60.4
177993	< 5	8.96	0.3	7	< 100	102	< 1	0.2	7.44	0.2	14	46.7	89	94.6	1.0	7.27	1.6	1.19	7.2	7.1	3.09	0.6	58.4
177994	< 5	9.27	0.3	< 1	1200	95	< 1	0.3	8.75	0.3	15	51.9	90	156	1.0	7.77	1.7	1.08	7.8	5.9	2.84	1.6	62.7
177995	< 5	8.38	0.2	< 1	< 100	108	< 1	0.3	7.30	0.2	14	45.1	83	149	0.9	7.17	1.5	0.98	7.2	5.0	3.18	0.6	54.4
177996	4030	8.31	0.7	9	> 2000	741	< 1	0.5	2.91	0.6	22	13.7	93	72.9	1.1	4.49	0.6	1.13	12.3	18.2	2.69	< 0.1	38.7
177997	< 5	9.21	1.1	1	< 100	85	< 1	0.3	7.60	0.1	14	49.4	114	105	0.7	7.72	1.2	0.80	7.4	7.0	3.45	< 0.1	59.4
178295	< 5	8.99	0.5	< 1	< 100	33	1	< 0.1	6.45	0.3	10	54.7	48	167	0.5	7.99	0.4	0.05	4.5	18.3	3.78	< 0.1	53.5
178296	6	8.69	0.3	< 1	200	28	< 1	< 0.1	5.96	0.2	10	49.4	47	154	0.8	8.68	1.1	0.08	4.4	31.8	2.31	< 0.1	49.9
178297	14	8.58	0.3	< 1	200	20	< 1	< 0.1	7.90	< 0.1	10	50.2	41	168	0.5	8.22	0.6	0.04	4.5	26.0	2.40	< 0.1	48.3
178298	7	8.65	0.3	1	< 100	21	1	< 0.1	8.06	< 0.1	10	48.8	40	173	0.7	8.89	0.6	0.05	4.3	26.7	2.15	< 0.1	47.7
178299	7	8.66	0.3	< 1	< 100	30	1	0.2	8.62	0.3	10	50.9	45	188	0.8	9.55	1.0	0.07	4.4	27.0	1.98	0.4	48.8
178300	9	8.55	0.3	2	< 100	32	1	0.2	8.96	0.4	10	50.2	50	176	0.7	9.28	0.9	0.09	4.4	27.4	1.89	< 0.1	47.2
178301	3680	8.54	0.7	11	> 2000	739	2	0.5	3.01	0.7	22	14.1	99	78.4	1.1	4.73	0.8	1.12	12.5	18.8	2.89	< 0.1	40.9
178302	9	9.06	0.3	< 1	< 100	38	1	< 0.1	7.50	< 0.1	10	53.3	41	168	0.8	9.22	0.9	0.10	4.6	25.1	2.02	< 0.1	47.4
178303	5	8.39	1.0	12	< 100	41	1	0.2	7.86	0.3	10	49.5	52	164	0.7	8.92	1.2	0.10	4.2	22.9	2.24	3.1	45.8
178304	< 5	8.64	< 0.1	< 1	< 100	37	< 1	< 0.1	7.78	< 0.1	10	48.6	54	152	0.8	8.41	1.3	0.12	4.4	23.8	2.26	< 0.1	49.2
178305	9	8.09	0.3	< 1	< 100	32	< 1	< 0.1	8.23	< 0.1	10	47.0	71	176	0.8	9.67	0.7	0.09	4.4	24.6	1.55	< 0.1	46.9
178306	< 5	8.41	0.3	< 1	100	30	< 1	< 0.1	8.53	< 0.1	10	48.2	61	163	0.6	8.35	0.8	0.11	4.5	27.7	1.91	< 0.1	45.7
178307	12	8.55	0.3	2	< 100	26	1	< 0.1	8.45	0.3	9	47.9	73	158	0.5	7.56	0.6	0.09	4.0	31.7	2.56	< 0.1	55.1
178308	< 5	8.70	0.2	1	< 100	37	< 1	< 0.1	7.98	< 0.1	10	47.5	65	142	0.7	8.17	1.0	0.14	4.5	32.8	2.06	< 0.1	50.3
178309	< 5	8.71	0.3	6	< 100	40	< 1	< 0.1	6.26	0.2	9	49.1	74	143	0.9	8.46	1.3	0.19	4.3	42.2	1.93	2.6	51.7
178310	< 5	13.5	0.2	< 1	100	14	1	< 0.1	0.21	< 0.1	1	< 0.2	9	11.5	0.7	0.12	0.1	5.44	0.6	30.7	> 10.0	< 0.1	< 0.1
178311	< 5	9.18	0.8	4	< 100	63	< 1	< 0.1	6.53	< 0.1	9	51.5	81	163	0.9	8.60	1.3	0.28	4.0	35.7	2.11	2.2	66.8
178312	< 5	9.17	0.5	< 1	< 100	75	< 1	< 0.1	6.48	0.1	9	53.0	85	101	0.9	8.71	1.3	0.33	4.1	37.6	1.72	1.5	66.0
178313	< 5	8.79	0.3	2	< 100	109	< 1	< 0.1	6.10	0.3	9	51.3	114	156	1.0	8.67	1.4	0.35	3.9	38.4	1.78	3.0	61.9
178314	16	8.61	0.9	18	< 100	107	1	0.4	2.00	1.8	31	26.5	69	170	0.9	4.24	3.1	1.82	16.6	16.9	3.68	6.1	35.6

Results

Activation Laboratories Ltd.

Report: A16-08901

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
177984	0.050	33.9	5.9	< 1	4.17	1870	6.8	0.5	44	0.3	177	0.2	1.4	0.580	0.22	0.3	251	0.6	23.2	87	64.2
177985	0.050	33.2	4.5	< 1	3.90	1760	2.7	0.9	44	0.5	169	0.2	1.2	0.590	0.22	0.3	245	1.0	23.2	90	66.6
177986	0.050	40.5	5.6	< 1	3.86	1730	5.2	1.1	45	0.5	214	0.2	1.2	0.590	0.26	0.3	253	0.9	23.4	90	68.8
177987	0.040	40.2	5.5	< 1	3.89	1760	4.3	0.7	44	0.3	215	< 0.1	1.1	0.560	0.26	0.3	243	< 0.1	23.3	93	63.2
177988	0.040	22.3	5.3	< 1	3.62	1670	2.1	1.0	38	0.2	169	0.3	1.1	0.540	0.17	0.3	234	0.9	21.4	81	60.8
177989	0.040	41.3	4.7	< 1	3.67	1740	1.3	0.2	42	< 0.1	178	< 0.1	1.1	0.465	0.27	0.3	242	< 0.1	22.4	86	43.0
177990	0.040	32.2	6.1	< 1	3.58	1800	1.3	0.5	43	0.4	198	< 0.1	1.2	0.360	0.24	0.4	185	< 0.1	22.7	85	43.5
177991	0.040	32.5	9.5	< 1	3.24	1590	0.7	0.2	39	0.2	158	< 0.1	1.1	0.500	0.21	0.4	220	< 0.1	21.7	80	63.8
177992	0.040	34.0	7.0	< 1	3.43	1710	1.2	0.2	46	0.1	167	< 0.1	1.2	0.520	0.23	0.4	235	< 0.1	23.7	92	66.0
177993	0.040	42.5	4.9	< 1	3.65	1720	2.3	0.3	45	0.3	181	< 0.1	1.1	0.500	0.29	0.3	215	< 0.1	22.9	93	62.7
177994	0.040	39.1	6.8	< 1	3.49	1790	6.8	0.9	44	0.4	209	< 0.1	1.2	0.540	0.24	0.3	243	< 0.1	24.1	94	62.4
177995	0.040	37.7	6.1	< 1	3.14	1650	3.4	0.6	42	0.4	197	< 0.1	1.1	0.500	0.22	0.3	220	< 0.1	22.6	86	60.6
177996	0.080	28.8	21.8	< 1	1.67	814	0.7	0.7	19	0.5	263	< 0.1	2.3	0.150	0.26	1.6	81	< 0.1	19.6	107	21.5
177997	0.040	27.0	7.2	< 1	3.50	1750	0.7	0.2	44	0.2	183	< 0.1	1.2	0.340	0.21	0.3	199	< 0.1	22.8	97	45.5
178295	0.050	0.9	1.7	< 1	4.03	1550	0.3	< 0.1	51	< 0.1	103	< 0.1	0.4	0.150	< 0.05	0.1	133	< 0.1	24.6	107	12.4
178296	0.040	2.0	1.5	< 1	4.78	1510	0.3	< 0.1	45	< 0.1	88	< 0.1	0.5	0.390	< 0.05	0.1	228	< 0.1	25.3	102	41.2
178297	0.040	0.9	1.5	< 1	3.85	1510	0.2	0.1	50	< 0.1	101	< 0.1	0.4	0.300	< 0.05	0.1	166	< 0.1	24.8	100	20.1
178298	0.040	1.0	2.7	< 1	4.10	1730	0.3	0.2	45	0.4	110	< 0.1	0.4	0.340	< 0.05	0.1	188	< 0.1	22.8	147	18.0
178299	0.050	1.5	3.7	< 1	4.02	1900	1.0	0.2	48	0.4	107	< 0.1	0.4	0.570	< 0.05	0.4	244	< 0.1	23.3	178	33.8
178300	0.040	2.0	2.9	< 1	4.35	1720	0.8	0.3	46	0.2	123	< 0.1	0.4	0.480	< 0.05	0.1	222	< 0.1	23.5	128	30.2
178301	0.090	29.3	21.2	< 1	1.77	869	1.0	1.2	20	0.7	267	< 0.1	2.3	0.230	0.26	1.0	102	< 0.1	19.8	98	29.4
178302	0.050	2.5	1.8	< 1	4.42	1820	0.3	0.1	50	< 0.1	146	< 0.1	0.5	0.480	< 0.05	0.1	226	< 0.1	25.6	119	31.4
178303	0.050	1.1	2.2	< 1	4.07	1830	4.2	0.6	46	0.4	121	0.2	0.5	0.700	1.47	0.1	282	0.4	24.1	117	35.8
178304	0.040	2.8	2.0	< 1	4.07	1680	0.3	< 0.1	46	< 0.1	144	< 0.1	0.4	0.500	< 0.05	0.1	215	< 0.1	23.6	121	27.1
178305	0.040	1.8	3.3	< 1	3.73	1740	0.3	0.1	43	0.4	135	< 0.1	0.4	0.440	< 0.05	0.1	200	< 0.1	23.8	170	21.5
178306	0.040	2.4	3.3	< 1	3.70	1680	0.2	< 0.1	45	< 0.1	112	< 0.1	0.4	0.380	< 0.05	0.1	197	< 0.1	24.0	134	24.6
178307	0.040	2.2	2.9	< 1	3.80	1650	0.2	0.1	44	< 0.1	84	< 0.1	0.3	0.310	< 0.05	0.2	171	< 0.1	21.3	109	18.5
178308	0.040	3.0	1.6	< 1	4.39	1650	0.2	0.1	48	< 0.1	135	< 0.1	0.4	0.480	< 0.05	< 0.1	235	< 0.1	23.5	107	32.0
178309	0.040	5.2	1.8	< 1	5.09	1540	0.7	0.4	48	< 0.1	119	0.2	0.4	0.680	< 0.05	0.1	278	0.2	22.7	117	48.6
178310	< 0.001	73.4	5.4	< 1	0.02	26	0.7	0.2	< 1	< 0.1	20	< 0.1	0.2	< 0.001	0.69	< 0.1	20	< 0.1	1.3	< 1	4.6
178311	0.040	9.6	2.0	< 1	5.23	1740	0.9	0.2	48	0.2	135	0.1	0.4	0.620	0.08	0.1	267	0.2	22.5	109	48.9
178312	0.040	10.5	2.5	< 1	5.26	1670	0.9	0.2	49	< 0.1	144	< 0.1	0.4	0.610	0.06	< 0.1	271	< 0.1	22.9	116	47.8
178313	0.050	7.2	2.5	< 1	5.16	1570	1.0	0.8	47	0.3	134	0.2	0.4	0.670	0.06	0.1	280	0.5	22.3	124	53.2
178314	0.050	44.7	80.2	2	1.49	474	3.2	0.5	14	2.7	46	0.5	4.2	0.340	0.33	1.1	90	1.0	17.0	232	136

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		2.76	32.2	416	> 2000	661	< 1	1390	0.92	2.9	14	6.9	10	1110	2.5	23.2	0.5	0.05	7.3	8.3	0.057	0.4	40.3
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
GXR-1 Meas		2.51	38.0	441	> 2000	738	< 1	1560	0.90	2.8	15	8.4	18	1080	2.4	27.4	0.5	0.04	7.1	8.6	0.050	0.5	45.3
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		7.58	4.6	115	400	123	2	23.0	1.10	0.5	100	13.5	88	6250	2.5	2.71	1.3	3.69	62.0	11.5	0.610	9.5	35.9
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
GXR-4 Meas		6.92	4.2	105	900	96	2	21.1	0.94	0.5	98	14.0	72	5540	2.3	3.08	1.3	4.25	50.0	12.9	0.620	9.0	43.3
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		12.5		< 1		697	3		1.26		90	17.1	47	41.4	4.1	5.09	1.0	3.96	43.1	42.2	2.18	< 0.1	38.0
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		8.76		< 1		687	3		1.00		81	18.3	51	40.9	3.6	4.83	0.9	2.77	36.8	41.9	1.80	< 0.1	38.9
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		15.6	0.3	245	< 100	1530	2	0.2	0.21	0.2	32	13.2	63	74.9	4.0	4.81	1.3	2.29	13.3	37.0	0.110	0.2	22.4
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		15.5	0.3	246	< 100	1310	< 1	0.2	0.17	< 0.1	32	13.8	53	66.7	3.6	5.65	2.1	1.94	10.7	42.7	0.120	0.3	26.1
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						126						56.4	191	107					4.2	4.9		2.0	249
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
DNC-1a Meas						109						57.4	157	94.4					3.4	5.3		1.6	290
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																		
OREAS 203 Meas	848																						
OREAS 203 Cert	871.000																						
SBC-1 Meas				28		399	4	0.9		0.5	100	22.0	125	37.7	8.3			3.0	56.7	180		11.4	79.9
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				24		289	3	0.8		0.3	95	22.6	78	33.7	7.1			3.3	44.0	203		10.4	93.3
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		9.13		5		216	1	0.6	0.21		34	29.0	662	390	3.6	12.8	2.1	0.51	18.4	22.2	0.100	< 0.1	214
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						1200	8	1.3		6.1	90	13.3	54	257	1.8			0.5	49.8	18.7		2.4	44.5
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
SdAR-M2 (U.S.G.S.) Meas						1050	9	1.2		5.2	83	13.7	44	303	1.6			3.7	34.8	21.8		3.0	55.1
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	478																						
OREAS 251 (FA-Anaster) Cert	504																						

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
177989 Orig		8.79	0.2	< 1	100	107	< 1	0.2	7.85	0.3	14	46.1	90	90.2	0.9	7.31	1.4	1.09	7.1	6.7	2.99	0.2	55.7
177989 Dup		8.60	0.2	< 1	< 100	105	< 1	0.2	7.84	0.3	14	45.2	86	95.6	0.9	7.23	1.2	1.04	7.0	6.6	2.99	< 0.1	55.7
177993 Orig	< 5																						
177993 Dup	< 5																						
178300 Orig	8																						
178300 Dup	10																						
178304 Orig		8.59	0.1	< 1	< 100	37	< 1	< 0.1	7.67	< 0.1	9	48.6	54	150	0.8	8.30	1.4	0.12	4.3	23.4	2.21	0.2	48.8
178304 Dup		8.69	< 0.1	< 1	< 100	37	< 1	< 0.1	7.89	< 0.1	10	48.7	55	154	0.8	8.53	1.3	0.12	4.4	24.1	2.32	< 0.1	49.5
178310 Orig	< 5																						
178310 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		0.01	0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.4	< 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	1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	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	0.081	2.5	749	< 1	0.25	841	17.0	20.4	2	24.4	287	< 0.1	2.3	0.035	0.37	29.9	84	126	30.2	747	19.6	
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	
GXR-1 Meas	0.090	2.3	726	< 1	0.24	847	19.0	36.2	1	27.0	265	< 0.1	2.6	0.030	0.36	31.2	89	113	28.1	838	21.8	
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													807			2110						
DH-1a Cert													910			2629						
DH-1a Meas													786			2120						
DH-1a Cert													910			2629						
GXR-4 Meas	0.184	126	54.6	2	1.98	169	364	5.0	8	6.7	176	0.6	22.5	0.330	3.25	5.6	92	34.2	14.3	67	44.4	
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	0.190	112	48.8	3	1.86	141	289	4.6	8	5.5	179	0.6	19.5	0.300	3.03	5.3	90	30.1	12.1	70	39.3	
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	0.087	122	26.2		1.32	945		< 0.1	21	< 0.1	186	< 0.1	12.0	0.176	0.69	2.8	52	< 0.1		112	37.1	
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	0.080	92.4	23.6		1.14	782		< 0.1	17	< 0.1	143	< 0.1	11.2	0.250	0.59	2.7	66	< 0.1		108	31.1	
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	0.047	82.8	113	< 1	0.69	994	0.1	0.2	29	< 0.1	30	< 0.1	5.9		2.30	1.4	94	< 0.1	13.4	122	52.6	
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	0.050	61.2	99.0	< 1	0.76	934	0.3	0.8	30	< 0.1	30	< 0.1	5.0		1.93	1.3	124	< 0.1	10.8	135	69.2	
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		3.8	6.4					0.6	37		129			0.370			156		18.7	63	44.5	
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0	
DNC-1a Meas		2.9	5.3					0.4	34		121			0.330			144		14.5	66	38.3	
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																						
OREAS 203 Meas																						
OREAS 203 Cert																						
SBC-1 Meas		152	40.3				2.6	1.1	23	3.1	157	0.5	18.0	0.580	0.92	5.8	211	1.3	35.2	183	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	
SBC-1 Meas		108	34.6				2.1	1.0	24	2.0	144	0.4	15.2	0.610	0.82	5.3	224	1.3	27.9	210	117	
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	0.044	43.4	23.7	< 1	0.22	484	0.7	< 0.1	57	< 0.1	27	< 0.1	15.6	0.210	0.25	2.8	113	0.6	12.2	40	88.5	
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		116	792				12.7		4		122	< 0.1	13.7			2.4	39	< 0.1	27.4	736	38.2	
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		112	753				12.9		5		114	< 0.1	11.8			2.0	42	< 0.1	21.3	854	112	
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																						

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
177989 Orig	0.040	41.0	4.8	< 1	3.61	1750	1.3	0.2	42	< 0.1	177	< 0.1	1.1	0.470	0.27	0.3	225	< 0.1	22.0	86	42.8
177989 Dup	0.040	41.5	4.7	< 1	3.74	1730	1.2	0.2	43	< 0.1	178	< 0.1	1.0	0.460	0.27	0.3	260	< 0.1	22.8	86	43.3
177993 Orig																					
177993 Dup																					
178300 Orig																					
178300 Dup																					
178304 Orig	0.040	2.8	2.0	< 1	3.95	1670	0.4	0.1	46	< 0.1	142	< 0.1	0.4	0.530	< 0.05	0.1	225	< 0.1	23.2	120	26.5
178304 Dup	0.040	2.9	2.1	< 1	4.18	1690	0.2	< 0.1	46	< 0.1	146	< 0.1	0.4	0.470	< 0.05	0.1	205	< 0.1	24.1	123	27.7
178310 Orig																					
178310 Dup																					
Method Blank																					
Method Blank																					
Method Blank	< 0.001	0.1	< 0.1	< 1	< 0.01	7	0.3	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	17	< 0.1	< 0.1	< 1	0.4



Date Submitted: 02-Sep-16
Invoice No.: A16-08903
Invoice Date: 24-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-08903**

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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, somewhat stylized font.

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: 02-Sep-16
Invoice No.: A16-08903
Invoice Date: 24-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08903**

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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
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Results

Activation Laboratories Ltd.

Report: A16-08903

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
178198	< 5	8.02	0.4	< 1	< 100	83	1	0.2	7.14	0.4	16	46.1	23	126	4.0	7.76	1.9	1.34	8.1	25.1	2.87	0.5	39.1
178199	< 5	8.21	0.3	< 1	< 100	131	1	0.1	6.00	0.2	16	42.9	24	118	13.9	7.92	1.1	3.17	8.2	18.8	1.91	< 0.1	37.3
178200	3070	8.79	1.0	11	> 2000	726	2	0.5	3.05	0.5	22	14.4	91	83.7	1.1	4.67	0.7	1.09	12.7	18.8	2.87	< 0.1	39.6
178201	< 5	8.28	0.5	1	< 100	171	1	0.1	6.86	< 0.1	16	44.8	17	190	12.3	7.53	1.8	2.82	8.2	15.2	2.36	0.8	40.9
178202	< 5	8.55	0.3	< 1	< 100	219	1	< 0.1	5.71	0.3	16	44.1	22	114	17.4	7.60	1.8	3.82	8.1	15.1	0.690	0.5	39.1
178203	< 5	9.22	1.0	3	< 100	268	1	0.2	8.62	0.3	5	50.4	143	170	13.8	6.02	0.7	3.44	2.1	29.3	0.440	1.0	189
178204	< 5	9.00	0.5	1	< 100	68	< 1	< 0.1	6.80	0.3	5	49.9	151	116	4.4	6.62	0.7	1.33	2.1	36.8	1.43	1.5	163
178205	< 5	8.47	0.3	1	< 100	89	< 1	< 0.1	8.31	0.1	10	45.0	105	103	5.0	6.90	1.3	1.49	4.7	33.1	1.27	1.6	95.4
178206	5	8.45	0.3	< 1	< 100	85	< 1	< 0.1	6.81	0.2	12	43.6	98	104	1.6	7.16	1.5	0.58	6.0	21.1	3.33	0.4	52.7
178207	< 5	8.01	0.2	< 1	< 100	89	< 1	< 0.1	8.52	< 0.1	13	41.9	107	106	1.6	6.55	1.5	0.56	6.8	23.3	2.41	2.9	52.7
178208	< 5	0.13	0.2	< 1	< 100	137	< 1	< 0.1	21.7	0.3	2	0.3	7	1.1	0.6	0.09	< 0.1	0.06	1.0	14.4	0.030	0.2	3.3
178209	< 5	7.91	0.2	< 1	< 100	110	1	< 0.1	6.08	0.2	13	41.4	89	99.8	0.8	6.25	1.3	0.40	6.6	17.5	2.64	< 0.1	50.1
178210	< 5	9.11	0.2	< 1	100	144	1	0.1	5.67	0.3	15	46.7	75	115	1.5	7.40	1.0	0.97	7.3	13.6	3.14	< 0.1	55.3
177963	< 5	8.70	0.9	< 1	< 100	112	< 1	0.2	6.58	0.3	15	44.8	76	108	2.6	7.41	1.7	1.54	7.4	13.2	2.75	0.5	53.0
177964	< 5	9.02	0.5	2	500	113	1	0.2	6.59	0.3	14	47.9	84	113	2.2	8.02	1.8	1.44	6.9	11.5	3.14	3.3	56.9
177965	< 5	9.59	0.4	< 1	< 100	90	1	0.2	7.90	0.6	14	48.7	83	127	1.6	7.93	1.8	1.00	7.0	11.7	3.72	3.0	60.5
177966	< 5	8.76	0.4	< 1	< 100	156	< 1	0.3	6.48	0.1	14	47.9	90	130	1.6	7.66	1.8	1.55	6.7	10.4	3.93	2.9	57.9
177967	< 5	8.81	0.5	5	< 100	130	1	0.3	7.02	< 0.1	14	46.5	91	147	1.1	7.20	1.3	1.44	6.9	9.0	3.77	< 0.1	57.0
177968	< 5	8.45	0.4	4	< 100	155	< 1	0.3	6.63	0.3	14	45.8	107	108	1.4	7.56	1.7	1.50	7.0	10.5	3.23	0.4	54.5
177969	< 5	8.60	0.8	< 1	< 100	133	< 1	0.3	6.23	0.1	14	43.4	106	218	1.3	7.45	1.3	1.50	6.9	12.4	3.31	< 0.1	54.7
177970	< 5	14.0	1.5	< 1	< 100	12	1	< 0.1	0.20	0.2	2	< 0.2	10	1.4	0.7	0.12	0.1	5.15	1.1	26.8	> 10.0	< 0.1	< 0.1
177971	< 5	9.30	0.6	< 1	< 100	117	1	0.3	8.29	0.3	14	44.6	91	97.8	1.0	7.50	1.4	1.14	7.1	6.2	3.13	0.2	57.0
177972	< 5	8.73	0.4	1	< 100	141	< 1	0.3	7.03	0.2	15	46.8	78	106	1.0	7.63	1.6	1.31	7.6	6.1	3.32	0.4	51.8
177973	< 5	8.68	0.3	1	< 100	87	< 1	0.4	8.70	< 0.1	14	45.9	85	128	0.8	7.48	1.5	1.07	7.0	5.3	2.30	0.6	57.8
177974	< 5	8.33	0.3	1	< 100	101	< 1	0.3	8.30	0.3	13	41.2	74	115	1.0	7.06	1.4	1.10	6.7	6.5	2.36	0.6	52.4
177975	< 5	8.68	0.3	< 1	< 100	75	< 1	0.3	7.51	< 0.1	14	46.0	74	109	1.0	7.73	1.6	0.84	7.1	7.9	2.82	0.9	56.7
177976	< 5	8.37	0.3	< 1	< 100	111	< 1	0.3	7.34	0.3	13	42.6	89	88.3	1.0	7.25	1.2	1.04	6.5	5.1	3.22	< 0.1	52.0
177977	< 5	8.33	0.2	< 1	< 100	95	< 1	0.4	8.52	< 0.1	15	44.0	128	103	0.9	7.59	1.6	0.74	7.6	5.8	2.53	3.3	54.8
177978	453	9.02	0.8	150	200	580	< 1	0.1	3.68	< 0.1	19	12.2	58	48.6	0.7	3.82	0.9	0.96	10.2	7.8	2.78	0.3	20.6
177979	< 5	8.73	0.5	< 1	< 100	105	< 1	0.3	7.44	< 0.1	14	44.7	111	111	0.8	7.35	1.3	0.92	7.0	5.7	3.17	< 0.1	54.0
177980	< 5	8.80	0.3	< 1	< 100	121	< 1	0.3	7.38	0.4	14	43.9	98	118	0.8	7.14	0.8	1.09	7.4	5.3	3.37	< 0.1	58.7
177981	< 5	8.53	0.3	< 1	< 100	107	< 1	0.3	7.15	< 0.1	14	44.3	79	97.5	0.9	7.31	1.1	1.02	7.0	6.1	3.09	< 0.1	55.4
177982	< 5	8.96	0.3	1	< 100	91	< 1	0.3	8.13	< 0.1	14	45.3	77	109	0.8	7.25	1.4	0.99	7.3	5.7	2.96	0.3	56.4
177983	< 5	8.43	0.2	< 1	< 100	98	< 1	0.3	7.67	< 0.1	14	42.3	75	108	0.8	7.14	1.7	0.89	7.0	6.1	2.65	2.1	52.1

Results

Activation Laboratories Ltd.

Report: A16-08903

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
178198	0.050	79.3	8.9	1	3.72	1410	0.7	0.3	39	0.3	136	< 0.1	1.3	0.550	0.43	0.4	238	< 0.1	15.5	86	79.0	
178199	0.050	238	13.6	< 1	3.32	1360	0.3	0.6	40	0.2	108	< 0.1	1.3	0.300	1.28	0.3	170	< 0.1	18.1	105	45.7	
178200	0.090	29.3	21.2	< 1	1.76	843	0.8	0.5	19	0.3	262	< 0.1	2.3	0.230	0.28	1.1	112	< 0.1	19.2	97	25.5	
178201	0.050	224	20.6	< 1	3.75	1640	1.3	0.6	39	0.2	137	< 0.1	1.3	0.520	1.31	0.3	224	< 0.1	16.9	103	78.4	
178202	0.050	250	8.4	< 1	3.41	1380	0.3	0.7	39	< 0.1	115	< 0.1	1.3	0.470	1.62	0.3	224	< 0.1	16.0	107	77.8	
178203	0.020	202	2.9	< 1	5.10	1460	2.8	5.4	29	0.2	139	< 0.1	0.2	0.350	1.17	< 0.1	181	2.5	9.3	112	25.9	
178204	0.020	71.6	1.3	< 1	6.13	1440	1.0	1.4	34	< 0.1	114	0.1	0.2	0.430	0.40	< 0.1	198	0.3	7.7	75	28.1	
178205	0.030	87.6	1.4	< 1	4.49	1560	0.5	0.5	38	0.4	94	< 0.1	0.6	0.470	0.43	0.2	212	0.3	14.4	84	51.3	
178206	0.040	22.3	2.5	< 1	4.02	1510	0.6	0.2	39	< 0.1	90	< 0.1	1.0	0.460	0.12	0.3	215	< 0.1	21.6	94	61.2	
178207	0.040	25.6	2.3	< 1	3.40	1700	1.3	1.2	38	0.3	107	< 0.1	1.0	0.495	0.14	0.3	219	2.0	20.2	84	59.2	
178208	< 0.001	1.6	2.9	< 1	13.9	311	0.2	0.2	< 1	< 0.1	121	< 0.1	0.1	0.010	0.06	0.2	20	< 0.1	1.0	9	< 0.1	
178209	0.030	11.7	2.5	< 1	3.25	1540	0.2	0.1	39	< 0.1	122	< 0.1	1.0	0.280	0.08	0.3	170	< 0.1	21.0	86	50.2	
178210	0.040	39.4	3.3	< 1	3.99	1570	0.6	0.6	43	< 0.1	142	< 0.1	1.1	0.300	0.26	0.4	161	< 0.1	23.0	94	37.8	
177963	0.040	74.0	4.2	< 1	4.38	1400	2.1	0.2	42	0.2	123	< 0.1	1.2	0.510	0.48	0.3	219	< 0.1	23.9	88	72.9	
177964	0.050	66.2	4.0	< 1	4.63	1500	2.5	0.8	43	0.4	122	0.2	1.1	0.570	0.40	0.3	256	0.6	22.7	91	71.0	
177965	0.050	43.2	7.7	< 1	4.12	1680	1.3	1.5	44	0.6	129	0.2	1.1	0.570	0.27	0.3	256	0.9	23.0	90	71.1	
177966	0.040	58.1	5.4	< 1	4.03	1600	0.6	1.0	45	0.6	122	0.2	1.0	0.570	0.39	0.3	245	0.5	22.1	88	73.6	
177967	0.040	49.4	6.4	< 1	3.63	1510	1.0	0.6	42	0.5	174	< 0.1	1.1	0.400	0.35	0.3	189	< 0.1	21.5	80	51.2	
177968	0.040	57.2	5.5	< 1	4.16	1460	1.7	0.2	41	0.3	173	< 0.1	1.1	0.470	0.41	0.3	227	< 0.1	22.1	86	66.7	
177969	0.040	52.8	5.4	< 1	4.40	1350	0.7	0.1	41	0.3	151	< 0.1	1.1	0.340	0.39	0.3	188	< 0.1	21.9	87	47.8	
177970	< 0.001	70.4	5.2	< 1	0.02	29	0.5	0.2	< 1	< 0.1	18	< 0.1	0.2	< 0.001	0.69	0.1	20	< 0.1	2.3	< 1	9.2	
177971	0.040	44.2	6.6	< 1	3.96	1560	0.8	0.2	43	< 0.1	185	< 0.1	1.0	0.420	0.32	0.3	220	< 0.1	21.9	80	54.6	
177972	0.050	47.0	6.6	< 1	3.49	1490	1.4	0.3	41	0.2	166	< 0.1	1.1	0.520	0.31	0.3	224	< 0.1	23.3	78	59.3	
177973	0.040	37.1	7.6	< 1	3.82	1560	2.8	0.4	43	0.3	153	< 0.1	1.1	0.510	0.25	0.3	228	< 0.1	22.5	84	54.2	
177974	0.040	39.8	6.2	< 1	3.34	1480	2.5	0.6	38	0.1	152	< 0.1	1.0	0.420	0.26	0.3	203	< 0.1	20.4	74	54.8	
177975	0.040	29.4	5.1	< 1	4.06	1750	4.1	0.2	42	0.3	143	< 0.1	1.1	0.510	0.20	0.3	230	< 0.1	22.3	90	67.8	
177976	0.040	38.5	5.3	< 1	3.83	1820	0.6	0.3	38	< 0.1	137	< 0.1	1.0	0.360	0.23	0.3	191	< 0.1	21.0	78	45.5	
177977	0.040	22.5	7.1	< 1	3.53	1770	3.5	0.9	40	0.5	159	0.3	1.1	0.540	0.15	0.3	241	1.1	23.5	79	60.6	
177978	0.060	21.2	14.3	< 1	1.52	877	3.8	0.3	20	0.9	272	< 0.1	2.1	0.310	0.14	0.8	125	< 0.1	20.5	56	27.8	
177979	0.040	32.2	6.3	< 1	3.92	1820	1.0	0.1	41	0.1	162	< 0.1	1.1	0.390	0.22	0.6	204	< 0.1	22.4	83	51.0	
177980	0.040	40.8	6.2	< 1	3.58	1620	0.4	0.1	42	< 0.1	191	< 0.1	1.1	0.260	0.27	0.3	164	< 0.1	22.2	80	30.7	
177981	0.040	38.0	5.8	< 1	3.78	1650	0.4	0.4	40	0.2	186	< 0.1	1.1	0.330	0.24	0.3	180	< 0.1	22.1	82	45.0	
177982	0.040	36.0	5.9	< 1	3.54	1640	2.2	0.3	40	0.3	178	< 0.1	1.1	0.400	0.22	0.3	199	< 0.1	22.8	81	52.5	
177983	0.040	30.6	5.9	< 1	3.48	1610	5.7	0.4	41	0.3	181	< 0.1	1.1	0.530	0.19	0.3	233	< 0.1	22.0	81	61.1	

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		2.76	32.2	416	> 2000	661	< 1	1390	0.92	2.9	14	6.9	10	1110	2.5	23.2	0.5	0.05	7.3	8.3	0.057	0.4	40.3
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
GXR-1 Meas		2.51	38.0	441	> 2000	738	< 1	1560	0.90	2.8	15	8.4	18	1080	2.4	27.4	0.5	0.04	7.1	8.6	0.050	0.5	45.3
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		7.58	4.6	115	400	123	2	23.0	1.10	0.5	100	13.5	88	6250	2.5	2.71	1.3	3.69	62.0	11.5	0.610	9.5	35.9
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
GXR-4 Meas		6.92	4.2	105	900	96	2	21.1	0.94	0.5	98	14.0	72	5540	2.3	3.08	1.3	4.25	50.0	12.9	0.620	9.0	43.3
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		12.5		< 1		697	3		1.26		90	17.1	47	41.4	4.1	5.09	1.0	3.96	43.1	42.2	2.18	< 0.1	38.0
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		8.76		< 1		687	3		1.00		81	18.3	51	40.9	3.6	4.83	0.9	2.77	36.8	41.9	1.80	< 0.1	38.9
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		15.6	0.3	245	< 100	1530	2	0.2	0.21	0.2	32	13.2	63	74.9	4.0	4.81	1.3	2.29	13.3	37.0	0.110	0.2	22.4
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		15.5	0.3	246	< 100	1310	< 1	0.2	0.17	< 0.1	32	13.8	53	66.7	3.6	5.65	2.1	1.94	10.7	42.7	0.120	0.3	26.1
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						126						56.4	191	107					4.2	4.9		2.0	249
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
DNC-1a Meas						109						57.4	157	94.4					3.4	5.3		1.6	290
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																		
OREAS 203 Meas	868																						
OREAS 203 Cert	871.000																						
SBC-1 Meas				28		399	4	0.9		0.5	100	22.0	125	37.7	8.3			3.0	56.7	180		11.4	79.9
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				24		289	3	0.8		0.3	95	22.6	78	33.7	7.1			3.3	44.0	203		10.4	93.3
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		9.13		5		216	1	0.6	0.21		34	29.0	662	390	3.6	12.8	2.1	0.51	18.4	22.2	0.100	< 0.1	214
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						1200	8	1.3		6.1	90	13.3	54	257	1.8			0.5	49.8	18.7		2.4	44.5
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
SdAR-M2 (U.S.G.S.) Meas						1050	9	1.2		5.2	83	13.7	44	303	1.6			3.7	34.8	21.8		3.0	55.1
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
178207 Orig	< 5	7.75	0.2	< 1	< 100	88	< 1	< 0.1	8.27	< 0.1	13	40.5	104	103	1.6	6.33	1.5	0.55	6.6	23.3	2.34	3.0	51.0
178207 Dup	< 5	8.27	0.2	< 1	1800	90	< 1	0.1	8.78	0.3	13	43.3	109	110	1.7	6.76	1.5	0.56	6.9	23.2	2.49	2.8	54.3
177969 Orig	< 5																						
177969 Dup	< 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
177979 Orig	< 5																						
177979 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		0.01	0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.4	< 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	0.081	2.5	749	< 1	0.25	841	17.0	20.4	2	24.4	287	< 0.1	2.3	0.035	0.37	29.9	84	126	30.2	747	19.6
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
GXR-1 Meas	0.090	2.3	726	< 1	0.24	847	19.0	36.2	1	27.0	265	< 0.1	2.6	0.030	0.36	31.2	89	113	28.1	838	21.8
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													807			2110					
DH-1a Cert													910			2629					
DH-1a Meas													786			2120					
DH-1a Cert													910			2629					
GXR-4 Meas	0.184	126	54.6	2	1.98	169	364	5.0	8	6.7	176	0.6	22.5	0.330	3.25	5.6	92	34.2	14.3	67	44.4
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	0.190	112	48.8	3	1.86	141	289	4.6	8	5.5	179	0.6	19.5	0.300	3.03	5.3	90	30.1	12.1	70	39.3
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	0.087	122	26.2		1.32	945		< 0.1	21	< 0.1	186	< 0.1	12.0	0.176	0.69	2.8	52	< 0.1		112	37.1
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	0.080	92.4	23.6		1.14	782		< 0.1	17	< 0.1	143	< 0.1	11.2	0.250	0.59	2.7	66	< 0.1		108	31.1
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	0.047	82.8	113	< 1	0.69	994	0.1	0.2	29	< 0.1	30	< 0.1	5.9		2.30	1.4	94	< 0.1	13.4	122	52.6
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	0.050	61.2	99.0	< 1	0.76	934	0.3	0.8	30	< 0.1	30	< 0.1	5.0		1.93	1.3	124	< 0.1	10.8	135	69.2
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		3.8	6.4					0.6	37		129			0.370			156		18.7	63	44.5
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
DNC-1a Meas		2.9	5.3					0.4	34		121			0.330			144		14.5	66	38.3
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																					
OREAS 203 Meas																					
OREAS 203 Cert																					
SBC-1 Meas		152	40.3				2.6	1.1	23	3.1	157	0.5	18.0	0.580	0.92	5.8	211	1.3	35.2	183	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
SBC-1 Meas		108	34.6				2.1	1.0	24	2.0	144	0.4	15.2	0.610	0.82	5.3	224	1.3	27.9	210	117
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	0.044	43.4	23.7	< 1	0.22	484	0.7	< 0.1	57	< 0.1	27	< 0.1	15.6	0.210	0.25	2.8	113	0.6	12.2	40	88.5
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		116	792				12.7		4		122	< 0.1	13.7			2.4	39	< 0.1	27.4	736	38.2
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		112	753				12.9		5		114	< 0.1	11.8			2.0	42	< 0.1	21.3	854	112
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
178207 Orig	0.040	23.3	2.3	< 1	3.27	1640	1.3	1.2	36	0.3	105	0.2	1.0	0.480	0.13	0.2	212	1.9	19.8	83	59.1
178207 Dup	0.040	27.8	2.4	< 1	3.53	1750	1.3	1.2	39	0.3	108	< 0.1	1.0	0.510	0.15	0.3	226	2.2	20.7	86	59.2
177969 Orig																					
177969 Dup																					

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
177979 Orig																					
177979 Dup																					
Method Blank																					
Method Blank																					
Method Blank	< 0.001	0.1	< 0.1	< 1	< 0.01	7	0.3	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	17	< 0.1	< 0.1	< 1	0.4



Date Submitted: 02-Sep-16
Invoice No.: A16-08904
Invoice Date: 24-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-08904**

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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 over a horizontal line.

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: 02-Sep-16
Invoice No.: A16-08904
Invoice Date: 24-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08904**

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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



ACTIVATION LABORATORIES LTD.
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CERTIFIED BY:

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

Emmanuel Esemé , Ph.D.
Quality Control

Results

Activation Laboratories Ltd.

Report: A16-08904

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
178164	< 5	8.35	0.2	1	< 100	161	< 1	0.1	6.04	< 0.1	14	40.9	85	88.9	1.1	6.71	1.7	1.07	6.9	14.8	3.01	3.0	58.4
178165	< 5	9.37	0.3	< 1	< 100	192	1	0.1	6.34	0.4	13	48.7	112	110	1.5	7.50	1.6	1.50	6.5	18.0	3.50	3.0	75.5
178166	3380	8.64	1.2	20	> 2000	717	< 1	0.5	2.86	0.6	21	13.6	94	83.1	1.0	4.55	0.8	1.11	11.9	17.8	2.87	< 0.1	38.7
178167	< 5	9.02	0.7	1	< 100	217	< 1	0.2	5.11	< 0.1	12	46.5	161	101	1.7	6.95	1.6	1.41	5.9	17.3	3.05	3.1	70.1
178168	5	9.03	0.5	< 1	500	184	< 1	0.2	5.49	0.3	13	47.1	166	112	1.6	7.15	1.6	1.07	6.6	16.7	3.01	2.2	71.3
178169	< 5	8.64	0.4	< 1	> 2000	243	< 1	0.1	5.65	< 0.1	12	44.2	118	95.4	1.5	6.81	1.2	0.97	6.1	21.4	2.49	< 0.1	68.3
178170	27	8.57	0.3	< 1	< 100	171	< 1	0.2	6.12	0.2	10	36.9	74	62.9	7.3	6.01	1.0	1.97	5.0	19.6	2.67	< 0.1	49.8
178171	< 5	8.36	0.2	< 1	< 100	164	< 1	0.1	5.78	< 0.1	11	39.5	74	96.7	2.6	6.36	1.0	1.15	5.4	19.9	3.17	< 0.1	50.3
178172	8	8.82	0.3	< 1	< 100	142	< 1	0.2	7.80	0.1	15	45.5	84	142	1.0	7.04	1.5	0.71	7.4	19.3	2.21	0.6	56.9
178173	< 5	9.13	0.3	1	< 100	196	< 1	0.1	7.54	0.1	15	43.8	89	117	0.8	7.01	1.5	0.65	7.2	14.0	2.21	3.1	55.6
178174	< 5	11.6	0.8	< 1	< 100	12	< 1	< 0.1	0.19	< 0.1	1	< 0.2	9	0.8	0.6	0.11	0.1	4.87	0.6	25.5	> 10.0	< 0.1	< 0.1
178175	5	9.42	0.4	< 1	< 100	179	< 1	0.3	7.54	< 0.1	14	46.2	88	115	1.0	7.01	1.6	1.01	7.2	15.2	2.40	2.8	56.7
178176	< 5	9.36	0.4	< 1	< 100	144	< 1	0.2	7.09	0.3	15	46.0	99	124	1.3	7.43	1.5	0.94	7.6	28.2	1.86	1.6	57.8
178177	< 5	7.60	0.2	1	< 100	109	< 1	0.6	8.79	< 0.1	11	35.4	75	86.8	0.9	6.79	1.7	0.92	4.7	20.5	2.35	3.0	51.0
178178	< 5	9.30	0.2	2	< 100	116	< 1	0.3	6.69	< 0.1	14	39.9	81	108	1.5	7.75	1.7	0.84	6.3	25.9	1.91	1.7	59.1
178179	< 5	8.57	0.2	2	< 100	128	< 1	0.5	7.88	< 0.1	12	37.0	82	104	1.5	7.10	1.7	0.88	5.5	19.3	2.22	1.0	55.5
178180	< 5	9.35	0.1	< 1	< 100	121	< 1	0.4	6.01	< 0.1	13	40.0	65	101	1.5	8.00	1.0	0.92	6.0	21.6	2.35	< 0.1	60.9
178181	< 5	9.65	0.1	2	< 100	137	< 1	< 0.1	6.56	< 0.1	14	40.8	57	104	1.4	7.96	1.7	1.00	6.4	20.9	2.46	0.7	62.9
178182	320	10.6	0.1	135	300	513	< 1	< 0.1	4.43	0.1	20	11.7	32	48.6	0.7	4.56	0.8	1.14	9.7	8.4	3.30	0.2	23.7
178183	< 5	9.65	0.3	3	< 100	158	< 1	0.1	6.15	< 0.1	14	42.8	56	108	1.7	8.11	1.8	1.48	6.1	21.4	2.57	2.3	63.7
178184	< 5	9.26	0.3	3	< 100	150	< 1	0.2	6.46	< 0.1	16	42.0	15	111	1.3	9.51	2.0	1.00	7.3	17.3	2.11	3.3	43.6
178185	< 5	8.15	0.2	2	< 100	124	< 1	0.1	6.83	< 0.1	15	37.1	13	101	1.0	8.07	1.7	0.88	6.6	9.4	2.25	1.9	38.8
178186	< 5	8.83	0.1	< 1	< 100	147	< 1	0.3	8.07	< 0.1	16	41.1	16	119	1.2	8.32	2.1	1.43	7.3	11.5	3.62	1.9	40.8
178187	< 5	8.91	0.2	1	< 100	134	< 1	< 0.1	8.09	< 0.1	16	41.1	18	110	1.1	8.11	1.8	1.14	7.1	17.0	2.39	< 0.1	40.8
178188	< 5	8.48	0.2	2	< 100	173	< 1	< 0.1	9.53	< 0.1	15	39.5	17	159	1.0	6.85	1.2	0.98	7.4	11.7	2.94	< 0.1	39.8
178189	< 5	9.58	0.2	< 1	< 100	208	< 1	0.1	5.46	< 0.1	16	39.6	14	156	1.9	8.22	1.6	1.99	7.3	17.2	3.52	< 0.1	42.3
178190	< 5	9.62	0.2	1	< 100	209	< 1	0.1	5.44	< 0.1	16	39.8	14	153	1.9	8.33	1.4	2.00	7.2	17.9	3.73	< 0.1	42.7
178191	< 5	9.24	0.2	< 1	< 100	132	< 1	< 0.1	5.99	< 0.1	18	44.6	9	119	1.6	9.46	1.5	1.45	8.2	15.1	3.58	< 0.1	44.6
178192	< 5	9.89	0.1	2	< 100	102	< 1	< 0.1	6.76	< 0.1	18	45.0	17	110	1.5	9.53	1.9	1.18	8.0	51.7	2.66	< 0.1	40.3
178193	< 5	9.89	0.1	7	< 100	102	< 1	< 0.1	5.85	< 0.1	18	43.6	14	103	1.6	8.86	1.9	1.15	8.0	14.1	3.08	< 0.1	45.1
178194	< 5	9.35	< 0.1	2	< 100	93	< 1	0.1	7.40	< 0.1	16	42.5	11	111	1.3	8.49	1.2	0.93	7.4	11.8	3.09	< 0.1	42.2
178195	19	9.63	0.3	< 1	< 100	174	< 1	0.2	5.12	< 0.1	16	43.1	18	96.0	1.6	8.88	2.0	1.36	7.5	14.5	3.30	< 0.1	43.0
178196	< 5	9.30	0.2	2	< 100	108	< 1	< 0.1	5.02	< 0.1	13	41.1	26	106	1.9	8.63	2.3	1.25	5.5	19.9	3.40	3.8	41.8
178197	< 5	9.33	< 0.1	< 1	< 100	81	< 1	< 0.1	5.05	< 0.1	17	43.0	12	108	2.0	8.81	2.0	1.39	7.6	26.7	3.06	< 0.1	43.9

Results

Activation Laboratories Ltd.

Report: A16-08904

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	
178164	0.040	39.5	5.4	< 1	4.29	1340	0.9	0.7	37	0.5	228	0.2	1.1	0.530	0.27	0.3	222	0.3	21.8	95	68.7	
178165	0.040	52.6	4.0	< 1	5.08	1540	0.9	0.7	41	0.5	184	0.2	1.0	0.540	0.37	0.3	238	0.4	20.3	101	66.0	
178166	0.085	28.4	21.3	< 1	1.70	831	1.9	2.1	18	0.7	255	< 0.1	2.3	0.220	0.27	1.0	102	< 0.1	19.1	100	30.6	
178167	0.040	49.8	3.6	< 1	4.87	1420	1.2	0.9	39	0.5	167	0.2	1.1	0.480	0.39	0.2	226	0.9	19.0	92	60.4	
178168	0.040	41.5	4.0	< 1	4.97	1440	0.8	0.2	40	0.1	192	0.1	1.0	0.500	0.30	0.3	229	0.1	20.9	90	67.9	
178169	0.030	37.0	2.9	< 1	4.61	1340	0.3	< 0.1	38	< 0.1	138	< 0.1	0.9	0.355	0.25	0.2	179	< 0.1	19.2	84	48.1	
178170	0.040	136	2.4	< 1	2.67	1060	0.3	0.2	39	< 0.1	63	< 0.1	1.2	0.260	0.71	0.3	149	< 0.1	21.1	93	38.9	
178171	0.040	73.8	3.3	< 1	2.89	1260	0.2	0.3	40	0.3	61	< 0.1	1.0	0.280	0.41	0.3	160	< 0.1	20.3	81	40.2	
178172	0.040	25.9	8.1	< 1	3.31	1500	0.9	0.9	42	0.3	163	< 0.1	1.1	0.500	0.16	0.3	223	< 0.1	22.5	97	57.0	
178173	0.040	25.0	6.2	< 1	3.01	1480	1.3	1.1	40	0.4	191	0.2	1.1	0.550	0.14	0.3	240	0.6	22.8	88	61.1	
178174	< 0.001	66.0	5.1	< 1	0.02	23	0.5	0.2	< 1	0.2	15	< 0.1	0.2	< 0.001	0.71	< 0.1	20	< 0.1	1.1	< 1	5.0	
178175	0.040	36.9	8.2	< 1	3.22	1510	1.2	1.4	42	0.3	208	0.2	1.1	0.540	0.41	0.3	246	0.6	22.6	95	64.2	
178176	0.040	36.9	6.0	< 1	3.39	1500	0.7	0.4	43	0.2	163	< 0.1	1.1	0.500	0.25	0.3	228	< 0.1	22.7	94	60.6	
178177	0.037	25.0	3.4	< 1	3.58	1320	7.4	0.9	38	0.7	84	0.2	0.8	0.535	0.22	0.2	213	1.2	17.4	76	60.7	
178178	0.040	29.8	5.5	< 1	5.05	1330	0.6	0.2	43	0.4	161	< 0.1	0.9	0.572	0.24	0.2	236	< 0.1	20.3	79	61.9	
178179	0.037	32.3	4.5	< 1	4.33	1320	0.6	0.2	42	0.5	165	< 0.1	0.8	0.526	0.25	0.2	221	< 0.1	18.4	86	62.2	
178180	0.038	33.8	3.6	< 1	5.02	1220	< 0.1	< 0.1	43	0.3	186	< 0.1	0.9	0.273	0.26	0.2	152	< 0.1	19.6	91	31.0	
178181	0.042	34.7	3.4	< 1	4.87	1320	0.4	0.7	48	0.7	207	< 0.1	0.9	0.587	0.27	0.2	233	< 0.1	20.6	90	61.0	
178182	0.067	19.8	14.1	< 1	1.59	945	0.4	0.3	26	0.4	327	< 0.1	2.0	0.179	0.14	0.7	78	< 0.1	20.3	63	22.3	
178183	0.042	49.6	3.3	< 1	4.68	1490	0.9	0.9	46	0.6	163	< 0.1	0.9	0.599	0.39	0.3	242	0.2	19.8	93	66.5	
178184	0.049	30.3	5.6	< 1	3.77	1590	0.7	0.9	44	0.7	236	0.2	1.2	0.696	0.26	0.3	246	1.0	21.7	119	74.6	
178185	0.043	27.0	5.6	< 1	3.05	1460	3.0	1.0	40	0.6	205	< 0.1	1.0	0.606	0.23	0.3	221	0.3	19.2	90	58.1	
178186	0.044	42.3	3.1	< 1	3.30	1490	1.7	0.1	41	0.6	134	< 0.1	1.1	0.634	0.36	0.3	232	< 0.1	21.1	96	75.7	
178187	0.041	33.3	3.8	< 1	3.07	1410	0.2	< 0.1	40	< 0.1	243	< 0.1	1.1	0.437	0.29	0.3	204	< 0.1	21.3	99	64.1	
178188	0.041	30.5	5.9	< 1	2.32	1500	0.1	0.1	39	0.3	300	< 0.1	1.1	0.275	0.26	0.3	161	< 0.1	19.4	91	40.4	
178189	0.045	58.2	6.1	< 1	4.40	1460	0.3	< 0.1	45	0.5	166	< 0.1	1.1	0.465	0.49	0.3	195	< 0.1	22.6	122	58.2	
178190	0.045	59.4	6.2	< 1	4.33	1560	0.2	0.2	46	0.6	163	< 0.1	1.1	0.437	0.49	0.4	169	< 0.1	22.5	124	48.3	
178191	0.050	44.9	3.2	< 1	4.43	1600	0.2	0.3	49	0.6	197	< 0.1	1.2	0.431	0.37	0.3	185	< 0.1	23.4	105	56.4	
178192	0.055	37.4	3.0	< 1	4.16	1620	0.5	0.9	49	0.5	205	< 0.1	1.2	0.581	0.30	0.3	229	< 0.1	24.0	117	69.5	
178193	0.048	36.4	3.1	< 1	4.33	1500	0.4	0.6	47	0.5	188	< 0.1	1.2	0.535	0.30	0.3	215	< 0.1	23.0	87	65.8	
178194	0.043	27.7	3.7	< 1	4.00	1570	0.3	0.2	45	0.4	173	< 0.1	1.1	0.355	0.22	0.3	176	< 0.1	21.1	83	41.7	
178195	0.045	37.4	15.0	< 1	3.99	1400	0.8	< 0.1	45	0.6	135	< 0.1	1.1	0.524	0.33	0.3	234	< 0.1	21.3	98	76.8	
178196	0.049	32.1	2.4	< 1	4.32	1320	1.1	0.6	42	0.6	90	0.3	1.1	0.675	0.29	0.3	254	1.4	21.4	93	84.9	
178197	0.049	46.1	2.8	< 1	4.21	1270	< 0.1	< 0.1	44	< 0.1	105	< 0.1	1.1	0.474	0.33	0.3	215	< 0.1	19.2	92	79.1	

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		2.76	32.2	416	> 2000	661	< 1	1390	0.92	2.9	14	6.9	10	1110	2.5	23.2	0.5	0.05	7.3	8.3	0.057	0.4	40.3
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
GXR-1 Meas		2.51	38.0	441	> 2000	738	< 1	1560	0.90	2.8	15	8.4	18	1080	2.4	27.4	0.5	0.04	7.1	8.6	0.050	0.5	45.3
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		7.58	4.6	115	400	123	2	23.0	1.10	0.5	100	13.5	88	6250	2.5	2.71	1.3	3.69	62.0	11.5	0.610	9.5	35.9
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
GXR-4 Meas		6.92	4.2	105	900	96	2	21.1	0.94	0.5	98	14.0	72	5540	2.3	3.08	1.3	4.25	50.0	12.9	0.620	9.0	43.3
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		12.5		< 1		697	3		1.26		90	17.1	47	41.4	4.1	5.09	1.0	3.96	43.1	42.2	2.18	< 0.1	38.0
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		8.76		< 1		687	3		1.00		81	18.3	51	40.9	3.6	4.83	0.9	2.77	36.8	41.9	1.80	< 0.1	38.9
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		15.6	0.3	245	< 100	1530	2	0.2	0.21	0.2	32	13.2	63	74.9	4.0	4.81	1.3	2.29	13.3	37.0	0.110	0.2	22.4
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		15.5	0.3	246	< 100	1310	< 1	0.2	0.17	< 0.1	32	13.8	53	66.7	3.6	5.65	2.1	1.94	10.7	42.7	0.120	0.3	26.1
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						126						56.4	191	107					4.2	4.9		2.0	249
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
DNC-1a Meas						109						57.4	157	94.4					3.4	5.3		1.6	290
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																		
OREAS 203 Meas	910																						
OREAS 203 Cert	871.000																						
SBC-1 Meas				28		399	4	0.9		0.5	100	22.0	125	37.7	8.3			3.0	56.7	180		11.4	79.9
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				24		289	3	0.8		0.3	95	22.6	78	33.7	7.1			3.3	44.0	203		10.4	93.3
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		9.13		5		216	1	0.6	0.21		34	29.0	662	390	3.6	12.8	2.1	0.51	18.4	22.2	0.100	< 0.1	214
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						1200	8	1.3		6.1	90	13.3	54	257	1.8			0.5	49.8	18.7		2.4	44.5
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
SdAR-M2 (U.S.G.S.) Meas						1050	9	1.2		5.2	83	13.7	44	303	1.6			3.7	34.8	21.8		3.0	55.1
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
178166 Orig		8.78	1.2	18	> 2000	725	< 1	0.5	2.90	0.8	22	13.8	102	91.8	1.1	4.66	0.9	1.12	12.1	18.3	2.93	0.2	39.8
178166 Dup		8.49	1.1	21	> 2000	709	< 1	0.6	2.81	0.4	20	13.3	86	74.4	1.0	4.45	0.8	1.10	11.7	17.4	2.81	< 0.1	37.6
178173 Orig	< 5																						
178173 Dup	< 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
178183 Orig	< 5																						
178183 Dup	< 5																						
178193 Orig	< 5																						
178193 Dup	< 5																						
178197 Orig		9.02	< 0.1	< 1	< 100	81	< 1	< 0.1	4.93	< 0.1	17	42.3	12	107	2.0	8.60	2.1	1.35	7.5	26.6	2.97	< 0.1	43.8
178197 Dup		9.65	< 0.1	< 1	< 100	80	< 1	< 0.1	5.16	< 0.1	17	43.6	12	108	2.0	9.02	2.0	1.42	7.6	26.9	3.16	< 0.1	44.0
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		0.01	0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.4	< 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	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	0.081	2.5	749	< 1	0.25	841	17.0	20.4	2	24.4	287	< 0.1	2.3	0.035	0.37	29.9	84	126	30.2	747	19.6
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
GXR-1 Meas	0.090	2.3	726	< 1	0.24	847	19.0	36.2	1	27.0	265	< 0.1	2.6	0.030	0.36	31.2	89	113	28.1	838	21.8
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													807			2110					
DH-1a Cert													910			2629					
DH-1a Meas													786			2120					
DH-1a Cert													910			2629					
GXR-4 Meas	0.184	126	54.6	2	1.98	169	364	5.0	8	6.7	176	0.6	22.5	0.330	3.25	5.6	92	34.2	14.3	67	44.4
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	0.190	112	48.8	3	1.86	141	289	4.6	8	5.5	179	0.6	19.5	0.300	3.03	5.3	90	30.1	12.1	70	39.3
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	0.087	122	26.2		1.32	945		< 0.1	21	< 0.1	186	< 0.1	12.0	0.176	0.69	2.8	52	< 0.1		112	37.1
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	0.080	92.4	23.6		1.14	782		< 0.1	17	< 0.1	143	< 0.1	11.2	0.250	0.59	2.7	66	< 0.1		108	31.1
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	0.047	82.8	113	< 1	0.69	994	0.1	0.2	29	< 0.1	30	< 0.1	5.9		2.30	1.4	94	< 0.1	13.4	122	52.6
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	0.050	61.2	99.0	< 1	0.76	934	0.3	0.8	30	< 0.1	30	< 0.1	5.0		1.93	1.3	124	< 0.1	10.8	135	69.2
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		3.8	6.4					0.6	37		129			0.370			156		18.7	63	44.5
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
DNC-1a Meas		2.9	5.3					0.4	34		121			0.330			144		14.5	66	38.3
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																					
OREAS 203 Meas																					
OREAS 203 Cert																					
SBC-1 Meas		152	40.3				2.6	1.1	23	3.1	157	0.5	18.0	0.580	0.92	5.8	211	1.3	35.2	183	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
SBC-1 Meas		108	34.6				2.1	1.0	24	2.0	144	0.4	15.2	0.610	0.82	5.3	224	1.3	27.9	210	117
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	0.044	43.4	23.7	< 1	0.22	484	0.7	< 0.1	57	< 0.1	27	< 0.1	15.6	0.210	0.25	2.8	113	0.6	12.2	40	88.5
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		116	792				12.7		4		122	< 0.1	13.7			2.4	39	< 0.1	27.4	736	38.2
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		112	753				12.9		5		114	< 0.1	11.8			2.0	42	< 0.1	21.3	854	112
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
178166 Orig	0.090	28.9	21.3	< 1	1.76	849	2.1	2.1	19	1.0	259	< 0.1	2.3	0.230	0.26	1.0	111	< 0.1	19.5	109	32.7
178166 Dup	0.080	27.9	21.4	< 1	1.64	813	1.7	2.1	18	0.4	252	< 0.1	2.3	0.210	0.29	1.0	94	< 0.1	18.6	91	28.5
178173 Orig																					
178173 Dup																					

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	
178183 Orig																						
178183 Dup																						
178193 Orig																						
178193 Dup																						
178197 Orig	0.050	46.0	2.8	< 1	4.15	1270	0.2	< 0.1	44	< 0.1	105	< 0.1	1.1	0.497	0.33	0.3	218	< 0.1	19.2	91	81.4	
178197 Dup	0.048	46.2	2.7	< 1	4.26	1260	< 0.1	< 0.1	45	< 0.1	106	< 0.1	1.1	0.450	0.33	0.3	212	< 0.1	19.3	93	76.8	
Method Blank																						
Method Blank																						
Method Blank	< 0.001	0.1	< 0.1	< 1	< 0.01	7	0.3	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	17	< 0.1	< 0.1	< 1	0.4	



Date Submitted: 06-Sep-16
Invoice No.: A16-08989
Invoice Date: 12-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-08989**

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 stylized and somewhat cursive.

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: 06-Sep-16
Invoice No.: A16-08989
Invoice Date: 12-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08989**

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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: A16-08989

Analyte Symbol	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni	P
Unit Symbol	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%
Lower Limit	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	0.001
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	TD-MS
177998	6.84	0.3	< 1	< 100	61	< 1	0.1	7.53	< 0.1	14	42.5	75	107	0.6	8.96	1.5	0.53	5.2	5.6	3.35	< 0.1	57.4	0.039
177999	6.66	0.2	1	< 100	91	< 1	0.2	7.60	< 0.1	14	44.5	75	110	0.6	9.06	1.4	0.78	5.1	5.0	2.96	0.1	56.9	0.040
178000	6.74	0.2	< 1	< 100	104	< 1	0.1	7.67	< 0.1	14	44.8	74	116	0.9	9.23	1.6	0.97	5.1	9.6	2.38	< 0.1	55.9	0.041
178001	6.54	0.1	< 1	< 100	92	< 1	0.1	7.55	0.2	14	44.5	78	110	0.7	9.29	1.7	0.76	5.4	7.3	2.94	0.2	55.9	0.042
178002	6.57	0.2	< 1	< 100	77	< 1	0.2	7.98	< 0.1	13	43.6	92	96.2	0.5	8.68	1.9	0.62	5.2	4.8	3.21	1.6	58.0	0.045
178003	6.35	0.2	1	< 100	88	< 1	0.2	6.16	< 0.1	11	43.7	85	110	0.7	9.14	1.9	0.76	4.1	6.9	3.80	3.5	58.1	0.042
178004	0.07	< 0.1	< 1	< 100	131	< 1	< 0.1	20.8	< 0.1	1	0.4	4	0.7	0.5	0.09	< 0.1	0.04	0.7	13.0	0.038	< 0.1	2.1	0.003
178005	6.41	0.6	< 1	< 100	70	< 1	0.2	7.36	< 0.1	13	45.1	88	129	0.6	8.54	1.9	0.54	5.1	4.9	3.21	3.6	57.4	0.041
178006	5.60	0.4	2	< 100	81	< 1	0.2	7.29	< 0.1	11	43.9	80	106	0.4	8.63	1.7	0.62	4.0	4.3	3.22	3.7	57.2	0.041
178007	6.69	0.3	< 1	< 100	67	< 1	0.2	7.29	0.1	13	42.7	77	157	0.6	8.56	1.6	0.61	5.0	6.0	3.25	2.9	54.1	0.039
178008	6.93	0.3	< 1	< 100	103	< 1	0.2	5.90	< 0.1	13	43.5	77	97.6	1.3	9.20	1.7	1.06	4.9	11.2	3.55	1.9	55.9	0.041
178009	6.83	0.2	< 1	< 100	104	< 1	0.1	6.19	< 0.1	13	44.3	51	111	1.6	9.19	1.4	1.33	5.0	10.2	2.40	< 0.1	61.5	0.037
178010	6.79	0.3	< 1	< 100	123	< 1	0.4	5.72	< 0.1	12	43.9	51	170	1.4	8.80	1.1	1.25	4.7	8.7	3.00	< 0.1	59.0	0.036
178011	7.16	0.2	< 1	< 100	134	< 1	< 0.1	6.11	< 0.1	14	46.5	62	115	2.1	9.57	1.5	1.52	5.1	12.9	2.55	0.2	63.7	0.040
178012	7.85	0.2	146	400	547	< 1	< 0.1	3.98	0.1	19	12.8	41	49.9	0.6	5.23	1.0	0.84	7.8	6.9	2.67	1.9	21.7	0.070
178013	6.83	0.2	< 1	< 100	131	< 1	0.2	6.08	0.1	11	43.7	65	108	1.7	8.88	1.0	1.08	4.3	11.9	3.03	< 0.1	70.1	0.038
178014	7.19	0.6	< 1	< 100	113	< 1	0.1	6.65	< 0.1	4	49.9	116	103	2.5	7.88	0.6	1.48	1.3	26.2	1.31	< 0.1	205	0.021
178015	7.23	0.4	< 1	< 100	58	< 1	< 0.1	6.70	< 0.1	14	44.1	90	94.5	1.4	9.24	1.6	0.49	5.4	18.8	1.42	0.2	59.3	0.039
178016	7.45	0.2	< 1	< 100	71	< 1	< 0.1	5.58	< 0.1	14	47.1	84	129	1.6	9.60	1.7	0.54	5.4	23.6	1.77	0.2	60.0	0.044
178017	6.06	0.2	< 1	< 100	105	< 1	< 0.1	5.80	< 0.1	9	42.7	111	91.5	0.8	8.65	1.6	0.47	3.2	19.4	1.67	3.3	62.0	0.040
178018	7.26	0.1	< 1	< 100	56	< 1	< 0.1	7.00	< 0.1	13	45.9	91	115	0.8	9.29	1.7	0.32	4.8	20.8	1.77	1.2	65.1	0.040
178019	6.58	0.1	< 1	< 100	44	< 1	< 0.1	7.14	< 0.1	12	41.9	89	67.4	0.6	8.80	1.5	0.25	4.6	18.2	1.52	< 0.1	61.0	0.034
178020	6.91	0.1	< 1	< 100	44	< 1	< 0.1	7.25	< 0.1	12	41.3	59	54.0	0.6	8.77	1.5	0.23	4.7	17.6	1.55	< 0.1	61.0	0.029
178021	7.29	0.1	< 1	< 100	62	< 1	< 0.1	6.44	< 0.1	13	45.5	62	110	1.0	9.40	1.5	0.31	4.6	21.6	1.86	0.3	68.9	0.039
178022	7.28	0.6	< 1	< 100	75	< 1	< 0.1	6.82	< 0.1	5	50.7	103	121	2.0	8.98	0.9	0.64	1.6	26.7	1.02	< 0.1	153	0.025
178023	8.13	0.3	< 1	< 100	70	< 1	< 0.1	7.72	< 0.1	5	52.2	98	124	2.1	9.02	1.0	0.70	1.5	26.8	1.09	0.4	179	0.026
178024	7.73	0.2	6	< 100	74	< 1	< 0.1	7.59	< 0.1	5	53.6	100	110	2.1	8.97	1.0	0.73	1.5	27.2	1.34	0.9	191	0.026
178025	7.79	0.2	8	< 100	61	< 1	< 0.1	7.85	< 0.1	4	51.3	83	114	1.7	8.47	0.8	0.59	1.4	26.1	1.12	0.3	187	0.023
178026	8.35	0.1	10	< 100	65	< 1	< 0.1	7.54	< 0.1	4	55.2	142	103	1.5	8.68	0.8	0.65	1.3	32.1	1.20	0.4	204	0.023
178027	5.89	0.1	13	< 100	65	< 1	< 0.1	7.09	< 0.1	2	49.6	147	90.5	1.0	7.65	0.8	0.57	0.6	25.3	1.13	1.5	207	0.021
178028	7.83	0.1	16	< 100	75	< 1	< 0.1	7.62	< 0.1	4	52.0	160	99.3	1.9	8.44	0.9	0.66	1.3	28.1	1.37	1.3	203	0.022
178029	6.36	0.4	10	> 2000	615	< 1	0.3	2.75	0.4	20	12.7	61	73.5	0.8	5.47	1.0	0.91	8.4	14.2	2.38	< 0.1	37.8	0.085
178030	8.25	0.2	10	< 100	57	< 1	< 0.1	7.56	0.2	4	51.8	139	92.1	1.6	8.57	0.9	0.60	1.4	31.0	1.26	0.4	202	0.024
178031	8.02	0.5	10	< 100	80	< 1	< 0.1	7.52	< 0.1	4	53.5	98	93.3	1.7	8.17	0.8	0.61	1.3	30.3	1.29	0.3	212	0.020

Results

Activation Laboratories Ltd.

Report: A16-08989

Analyte Symbol	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	ppb
Lower Limit	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	5
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	FA-AA
177998	14.1	4.6	< 1	2.82	1500	1.3	< 0.1	39	< 0.1	128	< 0.1	1.0	0.385	0.14	0.2	170	0.4	18.4	101	57.7	< 5
177999	20.7	4.4	< 1	2.64	1440	0.7	0.1	40	< 0.1	182	< 0.1	0.9	0.373	0.20	0.2	172	0.2	18.0	96	53.3	< 5
178000	28.7	3.6	< 1	3.37	1450	0.9	< 0.1	40	< 0.1	234	< 0.1	0.9	0.426	0.27	0.2	184	0.2	18.3	112	63.0	< 5
178001	21.8	3.7	< 1	2.79	1440	0.6	0.1	39	< 0.1	215	< 0.1	0.9	0.475	0.20	0.2	191	0.2	19.3	100	73.1	< 5
178002	16.0	3.9	< 1	2.71	1470	0.8	< 0.1	41	0.2	200	< 0.1	0.9	0.558	0.16	0.3	210	0.4	19.2	94	73.0	< 5
178003	17.2	3.7	< 1	2.69	1420	1.1	0.7	37	0.3	110	0.2	0.8	0.557	0.18	0.5	210	1.3	17.0	95	74.4	< 5
178004	1.8	1.7	< 1	10.2	204	0.2	0.2	< 1	< 0.1	109	< 0.1	0.1	0.008	< 0.05	0.2	14	0.2	1.1	< 1	3.0	< 5
178005	11.8	4.6	< 1	2.62	1410	2.5	1.0	38	0.3	126	0.3	1.0	0.550	0.15	0.2	203	1.4	18.1	91	69.0	< 5
178006	8.3	4.9	< 1	2.58	1460	2.3	0.9	30	0.3	136	0.3	0.6	0.524	0.16	0.3	209	1.4	13.6	90	63.0	< 5
178007	17.4	5.5	< 1	2.78	1420	2.0	0.3	37	0.2	118	0.2	0.9	0.535	0.14	0.2	195	0.9	17.0	90	62.3	< 5
178008	35.8	2.7	< 1	4.14	1170	9.5	0.2	39	0.3	128	< 0.1	0.8	0.544	0.29	1.4	208	0.3	17.8	115	74.0	< 5
178009	47.4	4.3	< 1	3.79	1310	0.8	< 0.1	38	< 0.1	168	< 0.1	0.8	0.365	0.40	0.2	155	< 0.1	18.2	90	59.9	< 5
178010	43.7	8.3	< 1	3.57	1240	0.6	0.3	36	0.2	149	< 0.1	0.8	0.341	0.36	0.2	142	< 0.1	16.8	93	43.3	< 5
178011	50.7	3.1	< 1	4.03	1400	0.9	< 0.1	39	< 0.1	155	< 0.1	0.8	0.415	0.47	0.2	170	< 0.1	17.9	109	59.5	< 5
178012	16.0	12.5	< 1	1.36	821	3.7	1.2	21	0.9	251	0.1	1.7	0.347	0.12	0.7	109	0.9	17.2	58	34.1	396
178013	33.3	6.9	< 1	3.79	1180	0.4	< 0.1	38	< 0.1	93	< 0.1	0.7	0.264	0.28	0.2	148	< 0.1	16.6	89	42.9	< 5
178014	52.3	1.4	< 1	5.03	1150	1.1	0.2	30	< 0.1	68	< 0.1	0.2	0.297	0.43	< 0.1	136	< 0.1	10.1	69	22.3	< 5
178015	24.0	1.6	< 1	4.02	1480	0.4	0.1	40	< 0.1	157	< 0.1	0.9	0.408	0.16	0.2	193	< 0.1	19.5	101	68.5	< 5
178016	26.2	1.0	< 1	4.37	1420	0.4	< 0.1	43	< 0.1	125	< 0.1	0.9	0.517	0.15	0.2	202	< 0.1	19.1	91	70.6	< 5
178017	4.8	0.9	< 1	3.82	1360	1.0	0.9	32	0.2	132	0.3	0.5	0.543	0.12	0.2	196	0.8	13.0	89	65.7	< 5
178018	10.7	1.1	< 1	4.03	1390	1.0	< 0.1	39	< 0.1	217	< 0.1	0.8	0.513	0.07	0.2	199	0.2	17.7	91	70.7	< 5
178019	8.5	1.3	< 1	3.90	1170	0.3	< 0.1	38	< 0.1	233	< 0.1	0.7	0.348	< 0.05	0.2	168	< 0.1	17.3	89	56.4	< 5
178020	8.4	1.2	< 1	3.96	1150	0.2	< 0.1	38	< 0.1	230	< 0.1	0.7	0.221	< 0.05	0.2	158	< 0.1	17.1	83	63.4	< 5
178021	13.2	1.0	< 1	4.40	1220	0.2	0.1	41	< 0.1	159	< 0.1	0.8	0.468	0.08	0.2	182	< 0.1	18.1	97	66.2	< 5
178022	33.1	0.9	< 1	4.93	1280	0.7	< 0.1	38	< 0.1	120	< 0.1	0.2	0.379	0.19	< 0.1	172	< 0.1	12.7	89	35.0	< 5
178023	35.1	1.6	< 1	5.43	1320	0.8	< 0.1	37	< 0.1	131	< 0.1	0.2	0.407	0.21	< 0.1	172	< 0.1	12.4	88	36.3	< 5
178024	35.7	1.9	< 1	5.12	1240	0.6	< 0.1	38	< 0.1	118	< 0.1	0.2	0.443	0.21	< 0.1	175	< 0.1	12.2	84	37.1	< 5
178025	27.4	1.4	< 1	4.89	1190	0.3	< 0.1	34	< 0.1	118	< 0.1	0.1	0.396	0.15	< 0.1	158	< 0.1	11.2	75	31.1	< 5
178026	28.5	1.2	< 1	5.45	1220	0.3	< 0.1	34	< 0.1	129	< 0.1	0.1	0.391	0.17	< 0.1	164	< 0.1	10.8	91	31.9	< 5
178027	4.3	4.0	< 1	4.83	1110	0.8	0.5	21	< 0.1	107	0.2	0.1	0.347	0.19	< 0.1	145	0.4	5.4	67	25.3	< 5
178028	27.9	5.4	< 1	5.07	1200	0.5	0.3	34	< 0.1	121	0.1	0.2	0.426	0.19	< 0.1	170	0.2	10.5	72	30.6	< 5
178029	19.8	17.6	< 1	1.35	692	4.4	0.4	16	0.9	224	< 0.1	1.6	0.370	0.23	0.8	107	< 0.1	14.9	94	41.8	3250
178030	26.0	18.5	< 1	5.30	1250	0.2	< 0.1	34	< 0.1	130	< 0.1	0.2	0.386	0.15	< 0.1	160	< 0.1	11.0	80	33.3	< 5
178031	28.0	7.8	< 1	5.44	1140	0.6	< 0.1	32	< 0.1	116	< 0.1	0.2	0.342	0.18	< 0.1	152	< 0.1	10.5	72	28.3	< 5

Analyte Symbol	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni	P
Unit Symbol	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%
Lower Limit	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	0.001
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	TD-MS
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	6.91	3.6	101	500	114	2	18.7	1.12	0.4	104	13.8	43	6890	2.2	3.41	1.2	2.45	49.5	11.5	0.596	9.7	37.6	0.194
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	0.120
SDC-1 Meas	7.76		< 1		627	3		1.06		79	16.7	60	32.6	3.1	5.16	1.1	1.39	32.0	32.7	1.64	0.6	30.8	0.076
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	0.0690
GXR-6 Meas	10.4	0.3	199	< 100	1640	1	0.2	0.19	< 0.1	28	11.9	52	71.5	3.2	5.53	1.5	1.72	9.0	37.4	0.112	0.1	20.7	0.036
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	0.0350
DNC-1a Meas					111						53.1	152	99.1					2.9	4.3		1.3	245	
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																			
OREAS 203 Meas																							
OREAS 203 Cert																							
SBC-1 Meas			20		629	3	0.6		0.3	97	20.8	83	33.1	6.5		2.8		41.3	156		9.8	77.0	
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	
SdAR-M2 (U.S.G.S.) Meas					1140	7	1.0		5.1	94	13.4	49	271	1.5		2.5		39.2	18.1		2.9	48.2	
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	
OREAS 251 Meas																							
OREAS 251 Cert																							
177998 Orig	6.79	0.3	3	< 100	61	< 1	0.1	7.58	< 0.1	14	43.1	78	107	0.6	8.97	1.6	0.54	5.3	5.7	3.44	0.1	57.5	0.040
177998 Dup	6.89	0.2	< 1	< 100	62	< 1	0.1	7.49	< 0.1	14	41.9	71	107	0.6	8.94	1.4	0.53	5.2	5.5	3.25	< 0.1	57.4	0.038
178007 Orig																							
178007 Dup																							
178017 Orig																							
178017 Dup																							
178027 Orig																							
178027 Dup																							
Method Blank																							
Method Blank																							
Method Blank	< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.2	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.001	< 0.1	< 0.1	< 0.001	

Analyte Symbol	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	ppb
Lower Limit	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	5
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	FA-AA
DH-1a Meas												702			2050						
DH-1a Cert												910			2629						
GXR-4 Meas	85.1	52.1	2	1.81	146	350	4.5	8	7.3	173	0.6	16.5	0.324	3.04	5.5	79	35.0	12.6	71	44.1	
GXR-4 Cert	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	67.2	22.8		0.96	724		< 0.1	15	< 0.1	139	< 0.1	13.7	0.231	0.55	3.7	49	< 0.1		102	47.2	
SDC-1 Cert	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	48.5	91.9	< 1	0.53	798	0.6	0.4	23	< 0.1	32	< 0.1	3.7		1.92	1.1	80	< 0.1	9.7	126	59.9	
GXR-6 Cert	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	2.7	5.2					0.2	32		109			0.322			119		14.6	59	42.9	
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																					
OREAS 203 Meas																					865
OREAS 203 Cert																					871.000
SBC-1 Meas	103	33.4				2.7	0.9	21	2.8	141	0.4	13.4	0.511	0.84	5.1	174	1.2	27.7	206	120	
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	89.8	790				13.3		5		122	< 0.1	11.5			2.3	34	0.1	24.1	948	100.0	
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 Meas																					501
OREAS 251 Cert																					504
177998 Orig	14.4	4.7	< 1	2.83	1510	1.8	0.1	41	< 0.1	132	< 0.1	1.0	0.449	0.15	0.2	183	0.5	19.0	103	62.1	
177998 Dup	13.8	4.5	< 1	2.81	1490	0.8	< 0.1	38	< 0.1	124	< 0.1	0.9	0.321	0.13	0.2	157	0.3	17.8	98	53.2	
178007 Orig																					< 5
178007 Dup																					< 5
178017 Orig																					< 5
178017 Dup																					< 5
178027 Orig																					< 5
178027 Dup																					< 5
Method Blank																					< 5
Method Blank																					< 5
Method Blank	< 0.1	< 0.1	< 1	< 0.01	6	0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	0.2	12	< 0.1	< 0.1	< 1	< 0.1	



Date Submitted: 06-Sep-16
Invoice No.: A16-08991
Invoice Date: 07-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

8 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-08991**

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: 06-Sep-16
Invoice No.: A16-08991
Invoice Date: 07-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

8 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-08991**

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

Results

Activation Laboratories Ltd.

Report: A16-08991

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
178032	8	8.00	0.1	19	< 100	75	< 1	< 0.1	7.31	0.2	4	54.0	94	94.3	3.0	8.36	0.8	0.81	1.4	31.9	0.936	1.3	262
178037	5	7.27	< 0.1	2	< 100	60	< 1	0.2	5.94	< 0.1	16	48.3	59	109	0.6	8.66	1.3	0.47	6.3	5.9	4.10	0.1	65.8
178038	< 5	< 0.01	< 0.1	< 1	< 100	116	< 1	< 0.1	20.4	< 0.1	1	0.3	2	0.8	0.5	0.09	< 0.1	0.03	0.5	11.6	0.026	< 0.1	3.5
178039	5	6.27	< 0.1	3	< 100	111	< 1	< 0.1	5.57	< 0.1	12	38.0	74	75.1	1.0	7.69	1.0	1.01	4.6	13.0	2.98	< 0.1	55.1
178040	< 5	7.91	0.2	< 1	< 100	92	< 1	< 0.1	4.94	< 0.1	14	45.8	56	77.2	1.7	8.67	1.6	1.24	6.5	14.5	3.17	< 0.1	62.7
178041	5	6.13	0.5	3	< 100	67	< 1	0.2	6.89	< 0.1	11	38.1	71	90.3	1.4	7.55	1.5	0.61	4.4	16.2	2.71	0.7	74.8
178042	6	6.48	< 0.1	3	< 100	94	< 1	0.1	7.29	< 0.1	14	41.4	56	94.7	1.9	8.66	1.2	0.72	5.4	16.6	2.46	< 0.1	59.6
178043	< 5	7.19	< 0.1	< 1	< 100	96	< 1	< 0.1	6.41	< 0.1	15	43.1	61	102	2.0	8.93	1.4	0.75	5.7	14.1	1.49	< 0.1	60.1

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
178032	0.024	44.0	7.2	< 1	5.68	1170	0.4	0.2	31	< 0.1	168	< 0.1	0.1	0.387	0.24	< 0.1	173	0.1	10.8	88	30.1
178037	0.047	14.3	5.4	< 1	3.13	1320	< 0.1	0.4	41	0.3	184	< 0.1	1.0	0.413	0.11	0.3	193	< 0.1	19.6	111	54.1
178038	0.003	1.1	1.4	< 1	11.0	217	< 0.1	< 0.1	< 1	< 0.1	142	< 0.1	< 0.1	0.005	< 0.05	0.3	< 4	0.3	0.5	10	2.4
178039	0.037	38.9	10.4	< 1	3.08	1120	0.5	< 0.1	34	0.3	121	< 0.1	0.9	0.257	0.33	0.2	132	< 0.1	16.7	104	39.8
178040	0.034	38.0	3.6	< 1	4.13	1350	0.9	< 0.1	39	0.6	87	< 0.1	1.0	0.456	0.24	0.3	144	< 0.1	17.6	109	67.4
178041	0.040	24.6	2.3	< 1	3.17	1200	1.6	0.1	31	0.4	89	< 0.1	0.8	0.444	0.18	0.2	190	0.2	15.1	90	61.5
178042	0.041	36.6	1.4	< 1	3.18	1320	0.3	< 0.1	36	0.2	100	< 0.1	0.9	0.327	0.24	0.3	171	< 0.1	18.9	98	50.9
178043	0.039	48.9	2.1	< 1	3.55	1380	< 0.1	< 0.1	38	< 0.1	192	< 0.1	0.9	0.363	0.27	0.2	189	< 0.1	19.8	99	64.5

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		1.78	34.5	388	> 2000	705	< 1	1550	0.71	2.5	14	7.6	11	1160	2.4	22.3	0.5	0.03	6.9	5.8	0.024	0.6	41.3	
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		5.11	3.3	90	400	123	2	22.5	0.74	0.3	98	13.1	41	5930	2.2	2.61	1.3	1.66	53.7	8.5	0.406	7.7	41.7	
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		6.90	3.4	110	600	125	2	18.7	1.11	0.4	114	13.7	43	6200	2.2	3.37	1.2	2.44	54.2	11.5	0.591	10.4	40.6	
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		5.59		< 1		580	2		0.62		70	16.5	45	32.3	3.1	4.04	1.6	0.89	27.8	26.1	1.28	1.4	34.5	
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		7.76		< 1		685	3		1.06		86	16.7	60	30.9	3.1	5.09	1.1	1.39	35.1	32.6	1.63	0.7	33.5	
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		13.6	0.5	317	< 100	1480	< 1	0.2	0.15	0.1	45	11.7	49	68.2	3.4	4.62	3.2	1.03	16.5	29.0	0.073	9.4	21.0	
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		10.4	0.1	213	< 100	1790	< 1	0.2	0.20	< 0.1	30	11.9	52	67.9	3.2	5.46	1.5	1.72	9.9	37.3	0.112	0.2	22.9	
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						104						52.5	192	100								2.2	283	
DNC-1a Cert						118						57	270	100								3	247	
DNC-1a Meas						121						53.0	156	94.0								1.5	258	
DNC-1a Cert						118						57	270	100								3	247	
OREAS 45d (Fire Assay) Meas					< 100																			
OREAS 45d (Fire Assay) Cert					23																			
OREAS203 Meas	845																							
OREAS203 Cert	871.000																							
SBC-1 Meas				22		611	2	0.8		0.3	66	20.7	82	36.0	5.5			3.4		28.2	116		12.0	87.5
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109		8.2			3.7		52.5	163.0		15.3	82.8
SBC-1 Meas				25		687	3	0.6		0.4	106	20.8	84	31.4	6.5			2.8		45.2	155		10.5	82.0
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109		8.2			3.7		52.5	163.0		15.3	82.8
OREAS 45d (4-Acid) Meas		6.03		5		182	< 1	0.4	0.13		33	27.6	358	380	3.1	12.2	3.2	0.34	14.9	15.1	0.061	0.3	248	
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						860	5	1.2		5.3	78	12.3	37	250	1.4			3.9		32.3	13.4		3.8	50.6
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.00 00	1.82			7.29		46.6	17.9		26.2	48.8
SdAR-M2						1240	7	1.0		5.4	103	13.4	49	257	1.5			2.5		42.9	18.1		3.2	51.7

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
(U.S.G.S.) Meas																							
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.00 00	1.82		7.29		46.6	17.9		26.2	48.8
OREAS 251 (FA-Anaster) Meas	526																						
OREAS 251 (FA-Anaster) Cert	504																						
178040 Orig		7.98	0.3	< 1	< 100	91	< 1	< 0.1	4.97	< 0.1	14	45.9	55	77.8	1.7	8.65	1.7	1.24	6.6	14.4	3.18	0.3	63.6
178040 Dup		7.83	0.2	< 1	< 100	93	< 1	< 0.1	4.90	< 0.1	13	45.7	57	76.5	1.7	8.69	1.5	1.24	6.4	14.6	3.16	< 0.1	61.9
178042 Orig		6.40	0.1	2	< 100	94	< 1	0.1	7.26	< 0.1	14	41.2	60	93.0	1.9	8.65	1.2	0.70	5.3	16.6	2.51	< 0.1	59.1
178042 Dup		6.56	< 0.1	3	100	95	< 1	0.1	7.31	< 0.1	14	41.6	52	96.5	2.0	8.66	1.2	0.74	5.4	16.6	2.41	0.1	60.2
Method Blank	< 5																						
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	0.2	< 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	9	< 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	0.053	2.1	769	< 1	0.18	777	16.5	20.4	< 1	24.5	256	< 0.1	2.6	0.023	0.41	33.4	65	135	24.8	850	19.1
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													702			2080					
DH-1a Cert													910			2629					
DH-1a Meas													771			2040					
DH-1a Cert													910			2629					
GXR-4 Meas	0.117	77.0	54.6	1	1.36	139	288	4.7	5	6.2	170	0.7	18.3	0.231	3.32	6.1	67	36.7	10.6	61	34.7
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
GXR-4 Meas	0.206	105	57.5	3	1.81	146	378	4.8	7	7.5	217	0.6	19.7	0.331	3.27	6.0	84	35.0	13.5	82	47.0
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	0.048	52.0	26.0		0.80	722		< 0.1	10	1.0	129	0.1	13.9	0.301	0.59	2.4	57	< 0.1		93	44.4
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	0.082	83.1	25.4		0.96	724		< 0.1	15	0.3	174	< 0.1	16.3	0.236	0.60	4.0	46	< 0.1		110	50.3
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	0.040	70.8	103	< 1	0.62	843	2.5	6.4	22	1.5	36	0.8	7.0		2.14	1.7	137	3.3	12.7	116	86.8
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	0.040	59.9	101	< 1	0.53	798	0.3	0.4	22	0.3	40	< 0.1	4.3		2.08	1.1	86	< 0.1	10.5	132	63.7
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		2.5	6.1					0.9	24		119			0.240			108		13.4	54	35.3
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
DNC-1a Meas		3.4	6.1					0.2	31		137			0.331			130		15.8	71	45.8
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		33.0	38.3				2.2	1.2	11	3.0	133	1.0	8.0	0.384	0.86	4.4	158	1.5	21.0	187	98.5
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		127	37.0				2.7	0.9	20	3.0	177	0.5	16.0	0.510	0.91	5.5	195	1.2	29.8	205	127
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	0.028	30.0	22.8	< 1	0.18	400	0.8	< 0.1	36	< 0.1	24	< 0.1	13.4	0.222	0.24	3.2	94	0.3	8.8	31	94.4
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		73.2	789				11.0		2		107	< 0.1	10.5			2.1	19	< 0.1	18.3	840	98.0
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		111	790				14.0		4		153	< 0.1	13.7			2.5	20	0.2	25.9	877	106
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																					
178040 Orig	0.036	37.8	3.7	< 1	4.12	1360	0.8	0.4	38	0.7	86	< 0.1	1.0	0.447	0.24	0.2	149	< 0.1	17.6	110	70.7
178040 Dup	0.033	38.2	3.4	< 1	4.14	1340	0.9	< 0.1	39	0.5	87	< 0.1	1.0	0.465	0.24	0.3	139	< 0.1	17.6	108	64.0
178042 Orig	0.041	36.7	1.4	< 1	3.13	1320	0.3	< 0.1	36	0.2	101	< 0.1	0.9	0.334	0.24	0.4	173	< 0.1	18.8	98	51.8
178042 Dup	0.041	36.6	1.4	< 1	3.23	1330	0.3	< 0.1	36	0.3	100	< 0.1	0.9	0.320	0.24	0.3	169	< 0.1	18.9	97	49.9
Method Blank																					
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	6	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	0.2	< 4	< 0.1	< 0.1	< 1	< 0.1
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	3	< 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



Date Submitted: 07-Sep-16
Invoice No.: A16-09028
Invoice Date: 12-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-09028**

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, somewhat stylized font.

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: 07-Sep-16
Invoice No.: A16-09028
Invoice Date: 12-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09028**

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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: A16-09028

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
178448	< 5	7.46	0.2	41	< 100	996	1	0.2	2.00	< 0.1	46	17.9	93	46.5	3.2	4.34	3.0	1.90	19.7	16.7	2.96	0.3	57.6
178449	6	7.60	0.1	49	< 100	883	2	0.2	2.73	< 0.1	50	17.9	99	44.7	3.4	3.64	3.3	2.43	21.3	13.4	2.52	0.4	51.6
178450	< 5	7.08	0.1	25	< 100	805	1	0.2	2.24	0.1	43	17.0	100	39.9	3.2	4.29	2.4	2.05	18.9	16.9	2.63	< 0.1	54.7
178451	5	7.89	0.1	39	< 100	865	2	0.2	2.65	< 0.1	44	16.9	92	43.8	3.5	3.61	2.7	2.49	17.9	13.2	2.93	0.1	54.6
178452	5	7.85	0.1	37	< 100	865	2	0.3	2.69	< 0.1	56	19.7	117	60.0	3.8	5.16	2.9	2.33	26.4	23.1	2.42	0.7	72.9
178453	5	4.93	0.6	44	< 100	747	1	0.2	2.34	0.1	28	15.6	121	36.6	3.0	3.84	3.2	1.98	8.8	14.5	2.48	5.7	50.8
178454	440	7.77	0.3	133	400	542	< 1	< 0.1	4.00	0.1	18	12.5	44	47.5	0.6	5.08	0.9	0.85	7.5	6.6	2.78	1.0	21.3
178455	< 5	7.20	0.3	23	< 100	580	1	0.2	2.52	0.2	51	15.7	113	34.4	2.3	4.17	3.2	1.52	22.6	13.1	3.28	2.6	47.1
178456	< 5	7.81	0.2	28	< 100	910	2	0.3	2.32	< 0.1	57	21.0	119	38.0	3.9	5.09	3.4	2.69	24.6	18.3	1.76	1.4	69.9
178457	< 5	7.75	0.2	25	< 100	798	1	0.2	2.59	0.1	49	17.1	92	41.4	3.9	4.47	2.9	2.39	21.2	18.7	2.42	0.5	56.0
178211	23	5.18	0.2	9	< 100	232	< 1	< 0.1	4.93	0.2	33	21.7	72	35.3	7.2	5.79	1.8	1.27	14.9	31.9	0.579	1.5	48.8
178212	< 5	7.00	0.1	1	< 100	206	< 1	< 0.1	6.14	< 0.1	10	40.1	71	82.7	1.4	8.95	1.6	0.17	3.6	34.3	2.47	1.0	69.7
178213	< 5	6.71	0.3	15	< 100	2010	< 1	< 0.1	6.48	< 0.1	11	44.1	70	35.1	1.2	9.11	1.6	0.09	4.2	36.8	2.39	2.7	67.5
178214	< 5	7.03	0.6	< 1	< 100	199	< 1	< 0.1	6.23	< 0.1	11	41.9	71	236	1.4	8.20	1.5	0.09	4.2	33.1	2.83	2.7	67.8
178215	< 5	6.72	0.2	< 1	< 100	256	< 1	< 0.1	6.86	< 0.1	12	41.7	72	84.7	1.5	8.43	1.4	0.06	4.7	34.1	2.62	0.1	68.7
178216	430	6.35	0.3	149	400	534	< 1	< 0.1	3.71	0.1	13	12.7	45	51.2	0.5	5.06	1.0	0.83	4.7	6.7	2.62	3.4	21.8
178217	< 5	7.07	0.2	< 1	< 100	256	< 1	< 0.1	5.57	< 0.1	11	45.0	81	111	1.5	8.97	1.6	0.07	4.3	33.7	2.70	2.2	72.5
178218	< 5	6.69	0.1	< 1	< 100	80	< 1	< 0.1	6.74	< 0.1	11	44.1	72	236	1.0	8.68	1.4	0.06	4.4	34.0	2.59	< 0.1	73.4
178219	< 5	6.64	0.1	< 1	< 100	14	< 1	< 0.1	6.17	< 0.1	11	44.3	51	43.9	0.9	9.39	1.5	0.05	4.1	31.6	2.51	< 0.1	61.9
178220	< 5	7.24	< 0.1	< 1	< 100	16	< 1	< 0.1	6.30	< 0.1	13	45.5	45	61.2	1.0	9.61	1.4	0.04	4.7	31.6	2.86	< 0.1	57.0
178221	< 5	7.22	< 0.1	< 1	< 100	17	< 1	< 0.1	7.23	< 0.1	11	45.2	55	120	0.6	9.08	1.1	0.05	3.9	26.6	3.20	< 0.1	57.4
178222	< 5	5.85	0.1	< 1	< 100	31	< 1	0.3	8.61	< 0.1	11	36.7	46	93.9	1.6	7.76	1.4	0.28	3.8	26.6	2.21	0.7	47.3
178223	< 5	6.75	0.5	< 1	< 100	25	< 1	< 0.1	6.39	< 0.1	13	41.8	52	65.5	1.2	9.13	1.7	0.19	5.2	34.5	2.42	1.9	57.3
178224	< 5	6.66	0.3	< 1	< 100	50	< 1	< 0.1	6.52	< 0.1	13	41.8	53	86.5	1.9	8.87	1.6	0.37	5.3	37.2	1.90	2.9	53.0
178225	< 5	6.74	0.2	< 1	< 100	40	< 1	< 0.1	6.33	< 0.1	14	42.6	55	68.6	1.8	9.02	1.7	0.35	5.4	38.1	2.01	2.5	56.1
178226	55	6.37	0.2	< 1	< 100	48	< 1	0.3	6.41	< 0.1	13	45.2	51	108	1.7	9.29	1.7	0.37	5.2	30.6	2.43	1.1	48.4
178227	8	5.36	0.2	< 1	< 100	18	< 1	0.2	5.19	< 0.1	11	40.6	16	118	0.6	9.48	1.7	0.11	4.0	28.4	2.75	3.6	35.4
178228	42	5.73	0.2	< 1	< 100	127	< 1	0.3	6.74	< 0.1	15	40.6	16	116	2.8	8.99	1.7	0.41	5.7	30.4	2.08	2.8	34.4
178229	90	5.13	0.4	< 1	100	67	< 1	0.5	5.64	< 0.1	12	41.9	21	150	4.3	8.04	1.5	0.64	4.6	24.5	2.38	2.2	31.6
178230	12	6.25	0.2	< 1	< 100	74	< 1	0.2	6.53	< 0.1	11	38.8	63	158	3.0	7.95	1.6	0.94	4.1	22.1	2.25	0.3	56.7
178231	< 5	6.74	0.1	< 1	< 100	103	< 1	< 0.1	5.62	< 0.1	10	42.0	68	90.6	1.7	8.00	0.9	0.74	3.6	22.5	2.24	< 0.1	71.0
178315	< 5	6.73	0.6	< 1	< 100	36	< 1	< 0.1	6.75	< 0.1	10	43.2	60	106	0.5	10.0	0.3	0.17	3.5	24.5	2.03	< 0.1	60.6
178316	< 5	6.47	0.3	< 1	< 100	37	< 1	< 0.1	8.45	< 0.1	9	42.4	67	127	0.5	9.68	0.9	0.20	3.1	19.6	1.72	< 0.1	61.3
178317	< 5	5.67	0.3	2	< 100	70	< 1	< 0.1	4.65	< 0.1	23	49.1	24	165	0.4	12.5	3.3	0.24	8.6	15.6	2.81	3.0	21.2

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
178448	0.085	56.0	9.4	< 1	1.44	410	1.2	0.7	13	0.5	273	< 0.1	6.7	0.304	0.44	2.3	80	< 0.1	10.4	46	129
178449	0.092	70.2	8.7	< 1	1.28	480	1.0	1.0	13	0.7	303	< 0.1	7.4	0.290	0.53	2.6	77	< 0.1	10.4	19	146
178450	0.079	56.8	11.4	< 1	1.34	447	0.4	0.8	12	0.2	304	< 0.1	6.1	0.208	0.46	2.1	68	< 0.1	9.6	49	96.2
178451	0.088	67.4	9.1	< 1	1.23	449	0.5	1.0	12	0.5	334	< 0.1	6.1	0.237	0.51	2.2	70	< 0.1	9.5	24	114
178452	0.103	69.0	13.3	< 1	1.64	574	1.2	1.3	15	0.7	328	< 0.1	7.6	0.337	0.56	2.6	83	< 0.1	12.4	51	114
178453	0.082	44.5	11.3	< 1	1.27	532	2.6	6.0	8	0.7	285	0.4	2.5	0.315	0.47	2.0	76	2.2	6.1	33	131
178454	0.065	15.6	12.2	< 1	1.30	798	3.6	0.6	20	1.0	239	< 0.1	1.5	0.333	0.12	0.8	106	0.5	16.5	59	28.4
178455	0.084	45.9	10.3	< 1	1.25	547	1.5	2.8	12	0.7	315	< 0.1	6.9	0.318	0.32	2.4	76	0.5	10.1	56	135
178456	0.091	82.0	11.1	< 1	1.69	515	1.8	1.7	17	0.8	252	< 0.1	8.3	0.363	0.64	2.7	96	0.3	11.9	61	147
178457	0.089	70.0	9.7	< 1	1.61	631	1.2	1.1	14	0.5	278	< 0.1	6.9	0.315	0.53	4.1	80	< 0.1	10.8	67	128
178211	0.055	37.3	5.7	< 1	1.52	1030	1.1	3.5	16	0.2	98	< 0.1	3.6	0.301	0.27	1.0	86	0.4	9.9	66	83.5
178212	0.037	10.1	1.7	< 1	3.59	966	0.4	0.6	36	< 0.1	103	< 0.1	0.9	0.455	< 0.05	0.2	173	< 0.1	12.5	130	71.7
178213	0.038	4.0	2.1	< 1	4.22	1100	2.4	5.1	38	0.2	135	0.2	0.8	0.477	< 0.05	0.3	191	1.0	12.8	125	66.4
178214	0.038	3.9	1.4	< 1	3.93	1100	1.1	2.8	37	0.2	99	0.2	0.7	0.500	< 0.05	0.2	188	0.9	12.1	119	63.7
178215	0.033	2.9	1.4	< 1	4.23	1170	0.4	0.2	36	< 0.1	93	< 0.1	0.7	0.383	< 0.05	0.2	168	< 0.1	14.1	119	61.0
178216	0.067	9.9	12.2	< 1	1.28	841	5.4	2.2	16	1.4	228	0.2	0.9	0.362	0.10	0.7	113	1.5	12.5	56	33.6
178217	0.040	3.4	0.9	< 1	4.51	1220	0.6	0.4	37	< 0.1	108	0.1	0.7	0.497	< 0.05	0.2	194	0.3	15.3	130	68.4
178218	0.037	2.6	1.0	< 1	4.28	1180	0.5	0.2	35	< 0.1	71	< 0.1	0.7	0.438	< 0.05	0.2	181	< 0.1	15.3	146	62.3
178219	0.030	2.4	1.3	< 1	3.97	1160	< 0.1	< 0.1	38	< 0.1	66	< 0.1	0.8	0.204	< 0.05	0.2	152	< 0.1	16.3	124	65.2
178220	0.032	1.9	1.5	< 1	3.35	1260	< 0.1	< 0.1	40	< 0.1	95	< 0.1	0.8	0.248	< 0.05	0.2	156	< 0.1	16.8	123	60.8
178221	0.038	2.4	1.3	< 1	3.30	1310	0.1	0.4	39	< 0.1	82	< 0.1	0.8	0.318	< 0.05	0.2	152	< 0.1	16.0	113	45.6
178222	0.034	17.5	1.7	< 1	3.00	1160	27.1	0.3	33	0.3	73	< 0.1	0.7	0.432	0.09	1.8	158	< 0.1	13.9	89	60.2
178223	0.042	15.3	2.0	< 1	3.73	1380	1.2	0.4	39	< 0.1	57	< 0.1	0.8	0.522	0.09	0.2	196	< 0.1	15.7	107	72.2
178224	0.040	29.1	2.3	< 1	4.00	1190	0.8	0.9	37	0.2	66	0.2	0.8	0.521	0.18	0.2	187	0.4	14.3	95	67.7
178225	0.043	28.9	2.4	< 1	3.99	1190	0.5	0.7	39	< 0.1	63	0.1	0.8	0.543	0.18	0.2	197	0.2	15.5	99	70.6
178226	0.041	26.0	3.6	< 1	3.14	1230	0.8	0.2	36	0.2	68	< 0.1	0.8	0.520	0.19	0.2	188	< 0.1	13.3	110	69.0
178227	0.045	2.0	2.5	< 1	2.75	1160	1.9	1.1	29	0.3	59	0.2	0.6	0.520	0.05	0.2	190	1.8	9.5	108	74.3
178228	0.042	24.8	2.4	< 1	2.72	1080	3.3	0.3	32	0.3	70	0.1	0.9	0.534	0.18	0.2	183	0.9	11.7	113	71.6
178229	0.038	35.7	9.5	3	2.22	792	11.3	0.8	29	0.2	68	< 0.1	0.7	0.434	0.26	0.3	155	5.3	10.7	100	64.3
178230	0.036	41.8	13.7	< 1	3.46	1050	1.8	0.1	35	< 0.1	93	< 0.1	0.7	0.455	0.29	0.2	181	0.3	14.2	143	68.2
178231	0.033	24.2	1.2	< 1	3.84	1060	0.1	< 0.1	35	< 0.1	76	< 0.1	0.6	0.281	0.19	0.2	119	< 0.1	14.9	94	40.6
178315	0.038	3.3	2.0	< 1	3.61	1320	0.4	< 0.1	40	< 0.1	83	< 0.1	0.3	0.141	< 0.05	< 0.1	100	< 0.1	18.7	154	12.3
178316	0.039	3.8	1.9	< 1	3.24	1290	0.6	0.1	37	< 0.1	148	< 0.1	0.3	0.452	< 0.05	< 0.1	156	< 0.1	16.2	114	33.8
178317	0.084	3.6	2.7	1	1.77	1410	0.9	0.1	37	0.9	38	0.1	1.6	0.824	< 0.05	0.5	254	0.2	30.1	198	146

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
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas		6.91	3.6	101	500	114	2	18.7	1.12	0.4	104	13.8	43	6890	2.2	3.41	1.2	2.45	49.5	11.5	0.596	9.7	37.6
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		7.76		< 1		627	3		1.06		79	16.7	60	32.6	3.1	5.16	1.1	1.39	32.0	32.7	1.64	0.6	30.8
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		10.4	0.3	199	< 100	1640	1	0.2	0.19	< 0.1	28	11.9	52	71.5	3.2	5.53	1.5	1.72	9.0	37.4	0.112	0.1	20.7
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						111						53.1	152	99.1					2.9	4.3		1.3	245
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																		
OREAS 203 Meas	889																						
OREAS 203 Cert	871.000																						
SBC-1 Meas				20		629	3	0.6		0.3	97	20.8	83	33.1	6.5		2.8		41.3	156		9.8	77.0
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
SdAR-M2 (U.S.G.S.) Meas						1140	7	1.0		5.1	94	13.4	49	271	1.5		2.5		39.2	18.1		2.9	48.2
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
OREAS 251 Meas	521																						
OREAS 251 Cert	504																						
178457 Orig	< 5																						
178457 Dup	< 5																						
178220 Orig	< 5																						
178220 Dup	< 5																						
178230 Orig	11																						
178230 Dup	13																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.2	< 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
DH-1a Meas													702			2050					
DH-1a Cert													910			2629					
GXR-4 Meas	0.194	85.1	52.1	2	1.81	146	350	4.5	8	7.3	173	0.6	16.5	0.324	3.04	5.5	79	35.0	12.6	71	44.1
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
SDC-1 Meas	0.076	67.2	22.8		0.96	724		< 0.1	15	< 0.1	139	< 0.1	13.7	0.231	0.55	3.7	49	< 0.1		102	47.2
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	0.036	48.5	91.9	< 1	0.53	798	0.6	0.4	23	< 0.1	32	< 0.1	3.7		1.92	1.1	80	< 0.1	9.7	126	59.9
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		2.7	5.2					0.2	32		109			0.322			119		14.6	59	42.9
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																					
OREAS 203 Meas																					
OREAS 203 Cert																					
SBC-1 Meas		103	33.4				2.7	0.9	21	2.8	141	0.4	13.4	0.511	0.84	5.1	174	1.2	27.7	206	120
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		89.8	790				13.3		5		122	< 0.1	11.5			2.3	34	0.1	24.1	948	100.0
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 Meas																					
OREAS 251 Cert																					
178457 Orig																					
178457 Dup																					
178220 Orig																					
178220 Dup																					
178230 Orig																					
178230 Dup																					
Method Blank																					
Method Blank																					
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	6	0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	0.2	12	< 0.1	< 0.1	< 1	< 0.1



Date Submitted: 07-Sep-16
Invoice No.: A16-09029
Invoice Date: 07-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

32 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09029**

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-Sep-16
Invoice No.: A16-09029
Invoice Date: 07-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

32 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-09029**

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

Results

Activation Laboratories Ltd.

Report: A16-09029

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
178318	3470	7.41	0.8	8	> 2000	577	< 1	0.4	2.97	0.4	20	14.4	61	72.6	1.1	5.36	0.7	1.06	11.0	16.5	2.40	0.3	44.8
178319	< 5	5.95	0.1	9	< 100	144	< 1	< 0.1	4.16	< 0.1	28	43.8	8	165	0.5	10.8	2.0	0.38	10.5	16.0	2.77	< 0.1	16.3
178320	9	6.03	0.5	2	< 100	157	< 1	0.4	4.45	< 0.1	25	43.7	19	184	0.4	10.1	2.6	0.34	9.0	10.8	3.30	0.2	16.2
178321	< 5	5.81	0.2	3	200	124	< 1	< 0.1	4.73	< 0.1	27	40.0	3	158	0.3	9.24	1.2	0.32	10.3	10.2	2.84	< 0.1	15.2
178322	< 5	5.89	< 0.1	3	< 100	150	< 1	< 0.1	5.73	< 0.1	29	43.2	7	165	0.5	10.2	1.2	0.29	11.5	11.3	1.72	< 0.1	15.6
178323	< 5	5.91	< 0.1	3	< 100	349	< 1	< 0.1	4.41	< 0.1	31	45.7	10	153	0.8	12.0	1.2	0.85	11.9	13.2	1.96	< 0.1	16.5
178324	< 5	6.29	< 0.1	3	< 100	275	< 1	< 0.1	3.82	< 0.1	31	43.8	6	166	0.5	10.8	1.3	0.72	12.0	11.7	2.84	< 0.1	16.8
178325	10	5.95	< 0.1	< 1	< 100	331	< 1	< 0.1	4.05	< 0.1	30	47.2	4	185	0.7	12.2	2.3	0.92	11.6	12.6	2.54	< 0.1	17.0
178326	< 5	5.73	< 0.1	2	< 100	149	< 1	< 0.1	5.06	< 0.1	28	41.3	8	144	0.6	10.2	1.3	0.57	10.7	11.1	2.64	< 0.1	15.7
178327	< 5	4.61	< 0.1	4	< 100	144	< 1	< 0.1	4.97	< 0.1	23	41.0	12	151	0.5	10.0	3.6	0.54	8.1	11.2	2.66	7.0	15.3
178328	< 5	5.60	0.5	4	< 100	558	< 1	0.1	6.23	< 0.1	25	39.0	14	128	1.6	11.5	3.2	2.37	8.8	11.8	1.65	1.7	16.8
178329	< 5	5.80	0.1	2	< 100	266	< 1	< 0.1	5.01	< 0.1	24	40.2	9	124	1.2	11.0	1.8	1.02	8.9	14.7	1.93	< 0.1	15.6
178330	< 5	6.13	< 0.1	2	< 100	302	< 1	< 0.1	4.32	< 0.1	28	45.4	42	136	0.8	11.5	2.0	0.83	10.8	14.7	2.27	< 0.1	17.1
178331	< 5	5.87	< 0.1	< 1	< 100	195	< 1	< 0.1	5.04	< 0.1	30	41.8	12	157	0.6	11.0	1.1	0.55	11.5	13.9	2.05	< 0.1	16.4
178332	< 5	6.02	< 0.1	2	< 100	188	< 1	< 0.1	4.24	< 0.1	29	41.9	21	162	0.9	10.8	1.3	0.61	11.5	13.5	2.35	< 0.1	16.4
178333	6	6.40	< 0.1	2	< 100	149	< 1	0.2	5.20	< 0.1	20	40.3	32	131	0.8	9.18	1.3	0.69	7.5	14.1	2.99	0.1	39.4
178334	39	6.15	< 0.1	2	< 100	109	< 1	0.4	6.28	< 0.1	12	39.4	51	95.9	0.9	7.23	1.5	0.61	4.5	14.4	2.71	0.5	55.5
178335	90	6.08	< 0.1	1	< 100	205	< 1	0.4	7.00	< 0.1	14	37.6	49	81.2	1.2	7.52	1.6	1.26	5.2	13.8	2.32	1.3	53.2
178336	3550	6.07	0.3	11	> 2000	672	< 1	0.3	2.68	0.3	20	11.9	60	63.5	0.8	5.08	0.9	0.86	8.9	14.3	2.31	0.4	37.8
178337	< 5	6.35	0.4	2	< 100	172	< 1	< 0.1	6.63	< 0.1	14	38.5	51	85.5	0.9	7.16	0.8	0.94	5.5	13.8	2.58	< 0.1	51.3
178338	< 5	4.79	0.1	3	< 100	119	< 1	< 0.1	5.84	< 0.1	10	39.5	86	95.1	0.3	7.28	1.5	0.47	3.4	13.1	2.32	3.2	52.4
178339	25	6.30	< 0.1	2	< 100	199	< 1	< 0.1	5.60	< 0.1	13	40.4	87	97.1	0.6	7.72	1.5	0.59	5.3	15.6	2.20	0.5	56.0
178340	12	6.59	< 0.1	1	< 100	197	< 1	< 0.1	6.41	< 0.1	14	42.0	71	98.4	0.6	8.26	1.3	0.72	5.7	14.3	2.20	0.2	58.9
178341	< 5	6.64	< 0.1	2	< 100	140	< 1	< 0.1	7.28	< 0.1	14	40.5	65	94.5	0.5	8.40	1.2	0.52	5.5	13.6	1.98	0.2	56.2
178342	13	6.91	< 0.1	2	< 100	156	< 1	< 0.1	6.68	< 0.1	15	43.7	64	93.5	0.5	8.93	0.8	0.56	5.9	15.7	2.05	< 0.1	62.7
178343	120	6.60	< 0.1	3	< 100	126	< 1	< 0.1	7.82	< 0.1	15	42.1	65	101	0.4	8.15	1.0	0.44	5.7	11.0	2.25	< 0.1	56.6
178344	< 5	0.04	< 0.1	< 1	< 100	106	< 1	< 0.1	19.8	< 0.1	1	0.4	4	0.7	0.5	0.11	< 0.1	0.03	0.6	11.3	0.031	< 0.1	3.8
178345	< 5	5.71	< 0.1	3	< 100	78	< 1	< 0.1	7.04	< 0.1	13	34.3	46	82.2	0.3	6.82	1.2	0.25	5.1	12.9	1.89	0.4	48.3
178346	< 5	6.66	0.3	5	< 100	97	< 1	< 0.1	7.73	< 0.1	15	43.0	62	104	0.4	8.15	1.4	0.37	5.6	13.8	1.85	2.5	57.5
178347	< 5	7.05	0.1	4	< 100	108	< 1	< 0.1	8.21	< 0.1	15	44.9	60	113	0.5	8.54	1.5	0.39	5.9	14.4	1.78	2.5	61.4
178348	< 5	6.88	< 0.1	3	< 100	96	< 1	< 0.1	8.28	< 0.1	15	42.3	57	115	0.5	8.05	1.1	0.35	5.6	14.3	1.73	0.2	57.1
178349	447	5.06	0.2	4	200	90	< 1	< 0.1	7.33	< 0.1	9	31.1	90	306	0.3	6.89	1.6	0.40	3.3	8.0	3.51	3.1	44.1

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
178318	0.068	20.3	19.2	< 1	1.50	853	0.9	1.3	17	1.1	232	< 0.1	2.0	0.154	0.18	2.8	74	< 0.1	15.1	98	28.1
178319	0.085	10.2	2.6	< 1	1.69	1380	1.0	< 0.1	38	< 0.1	65	< 0.1	1.9	0.323	0.07	0.5	201	< 0.1	33.0	160	89.8
178320	0.087	7.8	5.0	< 1	1.46	1170	0.3	< 0.1	36	1.0	64	< 0.1	2.0	0.562	0.06	0.5	201	< 0.1	33.6	113	119
178321	0.077	7.3	3.7	< 1	1.44	1210	< 0.1	< 0.1	37	< 0.1	104	< 0.1	1.9	0.147	0.06	6.5	136	< 0.1	31.7	122	52.9
178322	0.079	7.3	5.1	< 1	1.61	1480	< 0.1	< 0.1	35	< 0.1	202	< 0.1	2.0	0.119	< 0.05	0.5	123	< 0.1	33.2	145	50.6
178323	0.080	20.9	3.1	< 1	1.89	1710	< 0.1	< 0.1	38	0.2	115	< 0.1	2.1	0.217	0.17	0.5	154	< 0.1	35.4	173	52.9
178324	0.086	17.0	3.0	< 1	1.67	1380	< 0.1	< 0.1	39	< 0.1	88	< 0.1	2.1	0.169	0.13	0.6	146	< 0.1	34.2	153	60.2
178325	0.076	21.7	4.0	< 1	1.90	1510	< 0.1	< 0.1	37	0.7	84	< 0.1	2.1	0.421	0.18	0.6	218	< 0.1	35.5	169	97.1
178326	0.082	15.9	3.0	< 1	1.63	1330	< 0.1	< 0.1	36	< 0.1	68	< 0.1	1.9	0.153	0.10	0.5	134	< 0.1	33.4	144	51.5
178327	0.092	6.6	3.1	< 1	1.63	1400	1.7	0.6	28	1.0	67	0.5	1.4	0.962	0.11	1.0	309	5.5	27.4	151	163
178328	0.086	66.2	5.7	< 1	1.70	1590	0.3	< 0.1	38	1.0	64	< 0.1	2.0	0.612	0.57	0.6	250	1.0	34.5	154	144
178329	0.081	35.0	3.4	< 1	1.74	1500	< 0.1	< 0.1	35	< 0.1	54	< 0.1	1.9	0.201	0.26	0.5	150	< 0.1	33.3	147	75.8
178330	0.087	20.9	2.6	< 1	1.79	1450	< 0.1	< 0.1	39	< 0.1	67	< 0.1	2.0	0.200	0.18	0.5	155	< 0.1	33.8	147	90.2
178331	0.077	14.8	2.9	< 1	1.77	1510	< 0.1	< 0.1	37	< 0.1	94	< 0.1	1.8	0.156	0.11	0.5	109	< 0.1	32.6	148	48.9
178332	0.082	20.6	2.6	< 1	1.68	1440	< 0.1	< 0.1	36	< 0.1	71	< 0.1	2.1	0.160	0.14	0.5	118	< 0.1	32.9	142	59.9
178333	0.064	20.2	2.5	< 1	2.30	1280	0.9	< 0.1	37	0.6	56	< 0.1	1.4	0.361	0.15	0.4	141	< 0.1	25.0	117	55.9
178334	0.040	16.2	6.1	< 1	2.78	1180	5.3	0.1	34	0.4	72	< 0.1	0.8	0.446	0.12	0.2	193	0.6	15.1	104	61.4
178335	0.040	36.7	6.2	< 1	2.76	1340	11.4	0.2	34	0.4	77	< 0.1	0.8	0.464	0.29	0.4	197	3.7	17.2	115	66.9
178336	0.084	22.6	18.9	< 1	1.29	640	1.7	1.6	15	1.2	262	< 0.1	1.9	0.228	0.23	0.9	76	0.3	15.0	97	34.9
178337	0.039	25.7	3.6	< 1	2.51	1200	0.3	< 0.1	34	0.3	106	< 0.1	0.9	0.208	0.23	0.2	123	< 0.1	17.4	90	33.4
178338	0.040	4.1	4.3	< 1	2.21	1170	1.2	0.5	22	0.4	127	0.2	0.5	0.478	0.10	0.2	204	2.4	11.2	90	60.0
178339	0.038	13.8	3.3	< 1	2.52	1350	< 0.1	< 0.1	33	< 0.1	139	< 0.1	0.8	0.424	0.13	0.3	194	< 0.1	17.2	101	67.3
178340	0.038	18.5	7.1	< 1	2.52	1420	< 0.1	< 0.1	37	0.1	163	< 0.1	0.9	0.382	0.17	0.2	186	< 0.1	18.2	103	57.9
178341	0.038	14.3	3.8	< 1	2.55	1390	< 0.1	< 0.1	37	< 0.1	192	< 0.1	0.9	0.354	0.11	0.3	177	< 0.1	18.0	101	49.7
178342	0.035	14.4	6.1	< 1	2.48	1450	< 0.1	< 0.1	39	0.2	189	< 0.1	0.9	0.228	0.11	0.2	141	< 0.1	19.7	106	37.9
178343	0.041	11.5	4.1	< 1	2.71	1280	< 0.1	0.2	37	0.2	170	< 0.1	1.0	0.277	0.08	0.2	145	< 0.1	19.0	92	39.5
178344	0.005	1.2	2.2	< 1	11.9	247	< 0.1	< 0.1	< 1	< 0.1	142	< 0.1	< 0.1	0.005	< 0.05	0.3	< 4	0.1	0.8	15	2.8
178345	0.033	6.9	2.8	< 1	2.18	1130	< 0.1	0.2	32	0.3	139	< 0.1	0.9	0.326	0.06	0.3	143	< 0.1	16.3	83	46.6
178346	0.045	10.0	3.4	< 1	2.62	1380	0.5	0.2	37	0.4	179	0.1	1.0	0.505	0.09	0.3	210	0.3	18.3	100	54.9
178347	0.048	11.0	3.3	< 1	2.69	1430	0.5	< 0.1	39	0.2	187	0.1	1.0	0.532	0.09	0.3	225	0.2	19.5	106	59.3
178348	0.041	10.1	7.2	< 1	2.52	1370	< 0.1	< 0.1	36	< 0.1	185	< 0.1	0.9	0.354	0.08	1.9	158	< 0.1	17.9	97	40.1
178349	0.040	5.4	24.0	1	1.48	1150	28.1	0.3	26	0.6	81	0.3	1.0	0.443	0.23	0.2	212	15.4	13.5	71	61.0

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		
GXR-1 Meas		1.78	34.5	388	> 2000	705	< 1	1550	0.71	2.5	14	7.6	11	1160	2.4	22.3	0.5	0.03	6.9	5.8	0.024	0.6	41.3		
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		5.11	3.3	90	400	123	2	22.5	0.74	0.3	98	13.1	41	5930	2.2	2.61	1.3	1.66	53.7	8.5	0.406	7.7	41.7		
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		6.90	3.4	110	600	125	2	18.7	1.11	0.4	114	13.7	43	6200	2.2	3.37	1.2	2.44	54.2	11.5	0.591	10.4	40.6		
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		5.59		< 1		580	2		0.62		70	16.5	45	32.3	3.1	4.04	1.6	0.89	27.8	26.1	1.28	1.4	34.5		
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		7.76		< 1		685	3		1.06		86	16.7	60	30.9	3.1	5.09	1.1	1.39	35.1	32.6	1.63	0.7	33.5		
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		13.6	0.5	317	< 100	1480	< 1	0.2	0.15	0.1	45	11.7	49	68.2	3.4	4.62	3.2	1.03	16.5	29.0	0.073	9.4	21.0		
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		10.4	0.1	213	< 100	1790	< 1	0.2	0.20	< 0.1	30	11.9	52	67.9	3.2	5.46	1.5	1.72	9.9	37.3	0.112	0.2	22.9		
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						104						52.5	192	100								3.3	3.2	2.2	283
DNC-1a Cert						118						57	270	100								3.6	5.2	3	247
DNC-1a Meas						121						53.0	156	94.0								3.3	4.3	1.5	258
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	834																								
OREAS203 Cert	871.000																								
SBC-1 Meas				22		611	2	0.8		0.3	66	20.7	82	36.0	5.5			3.4		28.2	116		12.0	87.5	
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109		8.2			3.7		52.5	163.0		15.3	82.8	
SBC-1 Meas				25		687	3	0.6		0.4	106	20.8	84	31.4	6.5			2.8		45.2	155		10.5	82.0	
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109		8.2			3.7		52.5	163.0		15.3	82.8	
OREAS 45d (4-Acid) Meas		6.03		5		182	< 1	0.4	0.13		33	27.6	358	380	3.1	12.2	3.2	0.34	14.9	15.1	0.061	0.3	248		
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						860	5	1.2		5.3	78	12.3	37	250	1.4			3.9		32.3	13.4		3.8	50.6	
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.00 00	1.82			7.29		46.6	17.9		26.2	48.8	
SdAR-M2						1240	7	1.0		5.4	103	13.4	49	257	1.5			2.5		42.9	18.1		3.2	51.7	

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
(U.S.G.S.) Meas																							
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.00 00	1.82		7.29		46.6	17.9		26.2	48.8
OREAS 251(FA-Anaster) Meas	506																						
OREAS 251(FA-Anaster) Cert	504																						
178318 Orig		7.26	0.7	8	> 2000	579	< 1	0.4	2.97	0.3	20	14.3	60	72.9	1.1	5.33	0.7	1.05	10.9	16.3	2.35	0.2	45.1
178318 Dup		7.56	0.9	7	> 2000	574	< 1	0.4	2.96	0.4	20	14.6	62	72.3	1.1	5.39	0.7	1.07	11.1	16.6	2.45	0.5	44.5
178323 Orig		6.12	< 0.1	2	< 100	356	< 1	< 0.1	4.47	< 0.1	31	45.7	16	155	0.8	12.2	1.1	0.86	12.0	13.4	1.97	< 0.1	16.8
178323 Dup		5.70	< 0.1	3	100	341	< 1	< 0.1	4.34	< 0.1	31	45.8	3	151	0.7	11.8	1.3	0.83	11.8	13.0	1.95	< 0.1	16.3
178327 Orig	< 5																						
178327 Dup	< 5																						
178337 Orig	< 5																						
178337 Dup	< 5																						
178347 Orig	< 5																						
178347 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	0.2	< 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	9	< 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	0.053	2.1	769	< 1	0.18	777	16.5	20.4	< 1	24.5	256	< 0.1	2.6	0.023	0.41	33.4	65	135	24.8	850	19.1
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													702			2080					
DH-1a Cert													910			2629					
DH-1a Meas													771			2040					
DH-1a Cert													910			2629					
GXR-4 Meas	0.117	77.0	54.6	1	1.36	139	288	4.7	5	6.2	170	0.7	18.3	0.231	3.32	6.1	67	36.7	10.6	61	34.7
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
GXR-4 Meas	0.206	105	57.5	3	1.81	146	378	4.8	7	7.5	217	0.6	19.7	0.331	3.27	6.0	84	35.0	13.5	82	47.0
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	0.048	52.0	26.0		0.80	722		< 0.1	10	1.0	129	0.1	13.9	0.301	0.59	2.4	57	< 0.1		93	44.4
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	0.082	83.1	25.4		0.96	724		< 0.1	15	0.3	174	< 0.1	16.3	0.236	0.60	4.0	46	< 0.1		110	50.3
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	0.040	70.8	103	< 1	0.62	843	2.5	6.4	22	1.5	36	0.8	7.0		2.14	1.7	137	3.3	12.7	116	86.8
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	0.040	59.9	101	< 1	0.53	798	0.3	0.4	22	0.3	40	< 0.1	4.3		2.08	1.1	86	< 0.1	10.5	132	63.7
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		2.5	6.1					0.9	24		119			0.240			108		13.4	54	35.3
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
DNC-1a Meas		3.4	6.1					0.2	31		137			0.331			130		15.8	71	45.8
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		33.0	38.3				2.2	1.2	11	3.0	133	1.0	8.0	0.384	0.86	4.4	158	1.5	21.0	187	98.5
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		127	37.0				2.7	0.9	20	3.0	177	0.5	16.0	0.510	0.91	5.5	195	1.2	29.8	205	127
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	0.028	30.0	22.8	< 1	0.18	400	0.8	< 0.1	36	< 0.1	24	< 0.1	13.4	0.222	0.24	3.2	94	0.3	8.8	31	94.4
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		73.2	789				11.0		2		107	< 0.1	10.5			2.1	19	< 0.1	18.3	840	98.0
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		111	790				14.0		4		153	< 0.1	13.7			2.5	20	0.2	25.9	877	106
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																						
178318 Orig	0.069	19.9	19.1	< 1	1.50	851	0.8	1.3	17	1.1	233	< 0.1	2.0	0.160	0.18	0.9	75	< 0.1	15.2	98	29.0	
178318 Dup	0.067	20.7	19.3	< 1	1.50	854	1.1	1.4	17	1.1	232	< 0.1	2.1	0.148	0.18	4.7	73	0.3	15.1	99	27.2	
178323 Orig	0.083	21.2	3.1	< 1	1.89	1730	< 0.1	< 0.1	39	0.1	116	< 0.1	2.1	0.184	0.17	0.5	148	< 0.1	35.9	174	48.6	
178323 Dup	0.078	20.7	3.2	< 1	1.88	1690	< 0.1	< 0.1	38	0.3	114	< 0.1	2.1	0.250	0.18	0.5	159	< 0.1	34.9	171	57.2	
178327 Orig																						
178327 Dup																						
178337 Orig																						
178337 Dup																						
178347 Orig																						
178347 Dup																						
Method Blank																						
Method Blank																						
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	6	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	0.2	< 4	< 0.1	< 0.1	< 1	< 0.1	
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	3	< 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	



Date Submitted: 08-Sep-16
Invoice No.: A16-09102
Invoice Date: 03-Nov-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

27 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09102**

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

Date Submitted: 08-Sep-16
Invoice No.: A16-09102
Invoice Date: 03-Nov-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

27 Core samples were submitted for analysis.

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

REPORT **A16-09102**

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

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
178350	< 5	6.00	< 0.1	2	< 100	100	< 1	< 0.1	4.64	< 0.1	13	47.4	53	115	0.6	7.16	1.1	0.60	5.7	10.5	2.59	0.5	67.0
178351	542	5.76	0.2	2	400	95	< 1	< 0.1	4.74	< 0.1	12	44.0	45	92.3	0.6	6.86	1.6	0.73	4.6	8.5	3.08	1.0	61.4
178352	365	6.22	0.1	120	200	496	< 1	< 0.1	2.84	0.1	16	12.9	31	46.6	0.6	4.24	0.8	0.77	7.5	5.3	2.09	0.3	22.5
178353	1380	5.37	1.2	1	1200	128	< 1	0.1	4.18	< 0.1	13	42.2	48	117	1.2	6.58	1.7	0.94	5.3	8.8	2.73	1.1	61.9
178354	< 5	5.76	0.3	4	< 100	112	< 1	< 0.1	5.57	< 0.1	12	41.1	56	105	0.7	6.68	1.7	0.82	5.1	8.9	2.69	0.5	61.7
178355	< 5	5.77	0.2	3	< 100	104	< 1	< 0.1	5.89	< 0.1	13	42.5	55	104	0.6	7.07	1.7	0.57	5.7	8.7	2.11	0.3	62.4
178356	17	5.74	0.2	3	< 100	98	< 1	< 0.1	6.12	< 0.1	13	47.0	87	112	0.5	7.50	1.1	0.47	5.6	8.7	2.16	0.1	65.7
178357	122	6.08	0.2	2	100	129	< 1	< 0.1	5.73	< 0.1	14	46.7	47	138	0.5	7.39	0.9	0.60	5.9	10.1	2.08	< 0.1	68.1
178358	< 5	5.75	0.1	3	< 100	104	< 1	0.3	5.45	< 0.1	13	41.8	48	96.5	0.5	7.11	1.4	0.50	5.3	13.6	2.02	0.6	60.6
178359	170	5.92	0.6	2	< 100	81	< 1	< 0.1	5.18	< 0.1	12	42.0	41	102	0.7	7.13	1.2	0.43	5.0	17.5	1.73	0.1	63.0
178360	230	5.82	0.3	2	200	87	< 1	< 0.1	5.18	< 0.1	13	43.4	43	104	0.7	7.15	1.3	0.43	5.2	21.3	1.79	0.1	64.1
178458	< 5	6.12	0.2	16	< 100	693	1	0.3	1.16	0.1	48	17.2	74	33.3	3.6	3.49	3.1	1.88	22.0	14.6	1.99	0.6	66.1
178459	< 5	7.03	0.2	20	< 100	790	1	0.4	1.24	0.1	52	21.1	89	79.6	5.2	4.24	3.3	1.75	24.4	20.1	1.44	1.3	89.2
178460	< 5	4.52	0.2	31	< 100	744	1	0.3	1.59	< 0.1	28	20.8	114	46.0	3.9	4.04	3.2	1.31	9.1	13.8	1.21	5.4	78.0
178461	< 5	6.44	0.2	19	< 100	708	1	0.3	1.56	< 0.1	52	22.9	93	66.6	3.2	4.31	3.4	1.46	22.2	17.0	2.01	4.4	69.0
178462	< 5	7.01	0.1	11	< 100	738	1	0.3	1.49	< 0.1	62	22.2	70	71.3	3.1	4.24	3.5	1.45	30.9	21.5	2.30	2.3	63.8
178463	< 5	6.86	0.1	11	< 100	741	1	0.3	1.52	< 0.1	62	22.6	64	71.4	3.2	4.24	3.4	1.60	30.4	21.5	2.36	1.9	66.3
178464	< 5	6.98	0.1	12	< 100	647	< 1	0.3	1.56	< 0.1	56	24.1	65	72.4	3.0	4.79	3.4	1.56	27.0	24.1	2.21	2.3	68.1
178465	< 5	6.47	0.6	23	< 100	506	< 1	0.2	1.48	0.1	30	30.3	76	89.3	3.1	6.10	2.7	1.55	13.7	25.8	0.909	3.2	82.4
178466	< 5	5.99	0.3	13	< 100	353	< 1	0.2	2.42	0.2	24	30.7	81	84.6	2.2	6.58	2.5	1.31	11.4	30.8	1.12	2.7	77.7
178467	< 5	6.52	0.2	8	< 100	510	< 1	0.3	1.65	0.1	45	28.8	77	83.6	2.7	5.66	3.1	1.48	22.4	29.2	1.51	2.4	77.4
178468	< 5	6.30	0.2	8	< 100	460	< 1	0.2	1.43	< 0.1	31	29.1	86	82.8	2.7	6.07	2.8	1.54	14.5	29.1	1.33	3.7	79.5
178469	< 5	6.23	0.1	7	< 100	621	< 1	0.3	1.93	< 0.1	53	22.8	66	70.5	2.8	4.15	3.3	1.37	26.8	22.1	2.12	2.3	64.1
178470	< 5	6.45	0.1	7	< 100	629	1	0.3	1.55	< 0.1	59	22.0	66	69.4	3.0	4.10	3.6	1.28	29.4	22.5	2.45	3.0	59.5
178471	< 5	8.35	0.2	10	< 100	651	1	0.3	1.84	< 0.1	55	24.3	93	80.1	2.9	4.12	3.8	1.22	29.7	23.1	2.39	6.0	70.6
178472	3440	5.36	0.8	10	> 2000	562	< 1	0.4	2.00	0.4	20	12.1	49	67.2	0.8	4.32	1.3	0.81	9.2	11.0	1.84	0.8	40.3
178473	< 5	6.02	0.5	6	< 100	450	< 1	0.3	1.98	< 0.1	53	20.2	73	57.2	2.2	3.82	3.3	0.95	26.4	23.6	2.47	2.8	57.2

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
178350	0.026	13.1	5.2	< 1	2.16	1340	0.3	< 0.1	29	0.3	143	< 0.1	1.2	0.201	0.14	0.3	121	< 0.1	16.5	89	33.2
178351	0.026	16.3	9.4	< 1	1.97	1260	1.3	< 0.1	27	0.4	53	< 0.1	0.9	0.329	0.16	0.2	158	1.0	15.4	84	47.0
178352	0.041	13.3	13.6	< 1	1.12	797	0.8	0.4	14	0.5	260	< 0.1	1.5	0.143	0.11	0.7	64	0.2	13.8	53	18.0
178353	0.027	26.3	5.4	< 1	2.08	1210	13.6	< 0.1	26	0.5	44	< 0.1	0.9	0.333	0.27	0.2	153	1.2	15.8	74	49.8
178354	0.026	21.0	2.9	< 1	2.00	1300	1.3	< 0.1	28	0.2	65	< 0.1	0.9	0.346	0.20	0.2	175	0.3	15.7	74	51.7
178355	0.027	13.8	4.0	< 1	2.20	1290	0.6	0.1	29	0.2	142	< 0.1	0.9	0.333	0.12	0.2	173	< 0.1	15.8	75	49.5
178356	0.028	10.5	3.2	< 1	2.50	1470	0.2	0.1	29	0.3	178	< 0.1	0.9	0.198	0.09	0.2	130	0.2	16.1	87	29.6
178357	0.026	13.6	6.6	< 1	2.46	1410	0.1	0.1	30	0.2	188	< 0.1	0.9	0.156	0.13	0.3	117	< 0.1	16.8	91	25.1
178358	0.028	12.0	2.9	< 1	2.35	1280	1.2	0.2	29	0.5	121	< 0.1	0.9	0.313	0.11	0.2	151	< 0.1	16.1	83	41.2
178359	0.025	14.0	2.1	< 1	2.75	1210	0.4	< 0.1	28	0.2	90	< 0.1	0.9	0.223	0.10	0.2	118	< 0.1	15.4	78	36.0
178360	0.026	14.3	2.2	< 1	2.79	1250	0.3	0.1	30	0.3	95	< 0.1	0.9	0.235	0.10	0.2	125	< 0.1	15.6	83	39.1
178458	0.053	62.9	11.3	< 1	1.33	435	0.9	0.7	9	0.8	217	< 0.1	6.7	0.221	0.55	2.4	68	< 0.1	9.5	60	93.1
178459	0.058	70.3	12.8	< 1	1.55	530	1.5	1.0	12	1.0	182	< 0.1	7.8	0.268	0.71	2.6	88	0.1	11.4	67	98.2
178460	0.065	33.7	12.3	< 1	1.37	664	4.3	5.7	7	1.1	222	0.5	3.0	0.298	0.77	1.6	93	1.8	7.4	49	98.3
178461	0.073	50.9	12.9	< 1	1.47	787	1.2	3.7	12	1.1	188	0.3	5.9	0.316	0.62	2.2	100	0.7	11.9	65	112
178462	0.079	54.3	10.8	< 1	1.50	642	1.2	1.2	13	1.0	218	< 0.1	7.4	0.294	0.55	2.3	95	0.2	12.8	76	110
178463	0.079	55.3	10.6	< 1	1.53	653	1.0	0.9	13	0.8	217	< 0.1	7.3	0.290	0.54	2.3	96	0.1	12.6	79	111
178464	0.074	52.4	11.4	< 1	1.49	674	1.2	1.1	13	0.9	220	< 0.1	6.7	0.310	0.55	2.2	102	0.2	12.4	84	104
178465	0.039	53.9	7.2	< 1	1.42	1100	3.2	2.2	17	0.9	122	0.2	3.5	0.350	0.72	1.1	128	0.5	10.5	105	80.0
178466	0.033	41.7	7.8	< 1	1.36	1140	0.7	1.8	17	0.8	134	0.2	2.8	0.348	0.49	0.9	124	0.3	10.2	127	78.5
178467	0.057	51.7	12.1	< 1	1.43	832	1.0	0.9	16	1.1	151	< 0.1	5.4	0.327	0.56	1.7	116	0.3	12.1	101	92.6
178468	0.040	51.7	6.8	< 1	1.44	830	0.9	1.8	17	0.9	133	0.3	3.8	0.350	0.57	1.2	120	0.6	10.2	103	85.7
178469	0.064	47.8	10.1	< 1	1.35	700	0.9	0.7	13	0.9	258	< 0.1	6.3	0.283	0.49	2.1	95	0.2	11.5	78	101
178470	0.073	46.6	7.6	< 1	1.36	648	1.0	0.6	11	1.0	266	0.1	7.1	0.281	0.47	2.4	92	0.3	11.9	72	110
178471	0.084	71.8	9.4	< 1	1.36	599	1.2	2.1	16	1.1	218	0.6	8.3	0.327	0.52	2.4	104	1.2	15.8	77	117
178472	0.055	19.5	19.9	< 1	1.13	662	6.4	0.6	12	1.4	231	< 0.1	1.8	0.286	0.23	0.9	100	0.8	13.3	85	33.8
178473	0.065	32.8	9.4	< 1	1.33	706	1.2	0.9	10	0.9	301	0.1	6.7	0.278	0.33	2.3	86	0.5	10.6	69	101

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		1.78	34.5	388	> 2000	705	< 1	1550	0.71	2.5	14	7.6	11	1160	2.4	22.3	0.5	0.03	6.9	5.8	0.024	0.6	41.3	
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		5.11	3.3	90	400	123	2	22.5	0.74	0.3	98	13.1	41	5930	2.2	2.61	1.3	1.66	53.7	8.5	0.406	7.7	41.7	
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		6.90	3.4	110	600	125	2	18.7	1.11	0.4	114	13.7	43	6200	2.2	3.37	1.2	2.44	54.2	11.5	0.591	10.4	40.6	
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		5.59		< 1		580	2		0.62		70	16.5	45	32.3	3.1	4.04	1.6	0.89	27.8	26.1	1.28	1.4	34.5	
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		7.76		< 1		685	3		1.06		86	16.7	60	30.9	3.1	5.09	1.1	1.39	35.1	32.6	1.63	0.7	33.5	
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		13.6	0.5	317	< 100	1480	< 1	0.2	0.15	0.1	45	11.7	49	68.2	3.4	4.62	3.2	1.03	16.5	29.0	0.073	9.4	21.0	
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		10.4	0.1	213	< 100	1790	< 1	0.2	0.20	< 0.1	30	11.9	52	67.9	3.2	5.46	1.5	1.72	9.9	37.3	0.112	0.2	22.9	
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						104						52.5	192	100						3.3	3.2		2.2	283
DNC-1a Cert						118						57	270	100						3.6	5.2		3	247
DNC-1a Meas						121						53.0	156	94.0						3.3	4.3		1.5	258
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	862																							
OREAS203 Cert	871.000																							
SBC-1 Meas				22		611	2	0.8		0.3	66	20.7	82	36.0	5.5			3.4		28.2	116		12.0	87.5
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109		8.2			3.7		52.5	163.0		15.3	82.8
SBC-1 Meas				25		687	3	0.6		0.4	106	20.8	84	31.4	6.5			2.8		45.2	155		10.5	82.0
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109		8.2			3.7		52.5	163.0		15.3	82.8
OREAS 45d (4-Acid) Meas		6.03		5		182	< 1	0.4	0.13		33	27.6	358	380	3.1	12.2	3.2	0.34	14.9	15.1	0.061	0.3	248	
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						860	5	1.2		5.3	78	12.3	37	250	1.4			3.9		32.3	13.4		3.8	50.6
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.00 00	1.82			7.29		46.6	17.9		26.2	48.8
SdAR-M2						1240	7	1.0		5.4	103	13.4	49	257	1.5			2.5		42.9	18.1		3.2	51.7

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
(U.S.G.S.) Meas																							
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.00 00	1.82		7.29		46.6	17.9		26.2	48.8
OREAS 251 (FA-Anaster) Meas	520																						
OREAS 251 (FA-Anaster) Cert	504																						
178359 Orig	180																						
178359 Dup	160																						
178466 Orig	< 5																						
178466 Dup	< 5																						
178471 Orig		8.25	0.2	10	< 100	645	1	0.3	1.77	< 0.1	51	24.3	93	80.9	2.8	4.03	3.9	1.13	29.5	23.0	2.39	6.3	70.4
178471 Dup		8.44	0.1	11	< 100	657	1	0.3	1.91	< 0.1	59	24.2	93	79.3	3.0	4.21	3.7	1.30	30.0	23.1	2.39	5.7	70.7
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	0.2	< 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	9	< 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	0.053	2.1	769	< 1	0.18	777	16.5	20.4	< 1	24.5	256	< 0.1	2.6	0.023	0.41	33.4	65	135	24.8	850	19.1
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													702			2080					
DH-1a Cert													910			2629					
DH-1a Meas													771			2040					
DH-1a Cert													910			2629					
GXR-4 Meas	0.117	77.0	54.6	1	1.36	139	288	4.7	5	6.2	170	0.7	18.3	0.231	3.32	6.1	67	36.7	10.6	61	34.7
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
GXR-4 Meas	0.206	105	57.5	3	1.81	146	378	4.8	7	7.5	217	0.6	19.7	0.331	3.27	6.0	84	35.0	13.5	82	47.0
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	0.048	52.0	26.0		0.80	722		< 0.1	10	1.0	129	0.1	13.9	0.301	0.59	2.4	57	< 0.1		93	44.4
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	0.082	83.1	25.4		0.96	724		< 0.1	15	0.3	174	< 0.1	16.3	0.236	0.60	4.0	46	< 0.1		110	50.3
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	0.040	70.8	103	< 1	0.62	843	2.5	6.4	22	1.5	36	0.8	7.0		2.14	1.7	137	3.3	12.7	116	86.8
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	0.040	59.9	101	< 1	0.53	798	0.3	0.4	22	0.3	40	< 0.1	4.3		2.08	1.1	86	< 0.1	10.5	132	63.7
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		2.5	6.1					0.9	24		119			0.240			108		13.4	54	35.3
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
DNC-1a Meas		3.4	6.1					0.2	31		137			0.331			130		15.8	71	45.8
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		33.0	38.3				2.2	1.2	11	3.0	133	1.0	8.0	0.384	0.86	4.4	158	1.5	21.0	187	98.5
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		127	37.0				2.7	0.9	20	3.0	177	0.5	16.0	0.510	0.91	5.5	195	1.2	29.8	205	127
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	0.028	30.0	22.8	< 1	0.18	400	0.8	< 0.1	36	< 0.1	24	< 0.1	13.4	0.222	0.24	3.2	94	0.3	8.8	31	94.4
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		73.2	789				11.0		2		107	< 0.1	10.5			2.1	19	< 0.1	18.3	840	98.0
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		111	790				14.0		4		153	< 0.1	13.7			2.5	25	0.2	25.9	877	106
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																						
178359 Orig																						
178359 Dup																						
178466 Orig																						
178466 Dup																						
178471 Orig	0.082	72.1	9.4	< 1	1.33	591	1.2	2.1	15	1.1	203	0.6	8.4	0.324	0.51	2.4	104	1.2	15.6	78	115	
178471 Dup	0.086	71.5	9.4	< 1	1.39	608	1.2	2.0	17	1.1	233	0.5	8.1	0.329	0.52	2.4	105	1.1	15.9	76	118	
Method Blank																						
Method Blank																						
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	6	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	0.2	< 4	< 0.1	< 0.1	< 1	< 0.1	
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	3	< 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	



Date Submitted: 12-Sep-16
Invoice No.: A16-09214
Invoice Date: 31-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

35 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-09214**

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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", written over a horizontal line.

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: 12-Sep-16
Invoice No.: A16-09214
Invoice Date: 31-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

35 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09214**

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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



ACTIVATION LABORATORIES LTD.
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CERTIFIED BY:

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

Emmanuel Esemé , Ph.D.
Quality Control

Results

Activation Laboratories Ltd.

Report: A16-09214

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
178474	< 5	8.82	0.2	13	< 100	482	< 1	0.1	2.49	0.2	29	37.8	156	86.2	4.1	7.16	2.6	1.80	12.7	52.0	1.38	2.0	88.7
178475	< 5	8.90	0.1	19	< 100	535	< 1	0.1	3.77	0.2	31	33.9	125	90.0	3.8	6.50	2.5	1.74	13.6	48.1	1.67	3.4	77.1
178476	< 5	9.32	0.1	42	< 100	579	< 1	0.2	2.74	0.1	43	36.8	185	87.2	3.8	6.82	2.8	1.62	19.0	47.2	2.22	4.5	91.6
178477	6	7.78	< 0.1	55	< 100	396	< 1	< 0.1	2.92	< 0.1	20	33.8	150	68.5	4.4	6.65	2.7	1.72	7.7	43.6	1.53	4.2	76.5
178478	< 5	7.19	< 0.1	26	< 100	405	< 1	< 0.1	2.42	0.1	15	34.5	151	71.7	3.9	6.61	2.6	1.72	5.2	48.2	1.78	4.8	77.6
178479	< 5	6.91	0.1	57	< 100	351	1	0.3	2.12	0.1	23	27.1	149	64.9	4.7	6.29	3.0	1.84	9.1	38.1	1.66	6.3	78.2
178480	< 5	0.18	< 0.1	< 1	< 100	193	< 1	< 0.1	17.9	< 0.1	1	0.4	15	1.1	0.6	0.16	0.2	0.05	0.7	17.2	0.030	0.4	4.0
178481	< 5	8.03	0.5	17	< 100	496	1	0.3	1.48	0.1	39	27.6	222	58.3	4.9	5.12	3.5	1.78	14.7	43.7	1.59	7.6	96.8
178482	< 5	6.60	0.3	23	< 100	457	1	0.3	1.21	< 0.1	25	24.9	208	53.3	3.8	4.50	3.7	1.78	7.8	38.3	2.56	8.7	86.8
178483	< 5	10.1	0.2	15	< 100	525	2	0.3	1.23	0.1	50	27.2	210	47.8	4.6	5.08	3.8	1.91	20.9	52.3	2.55	5.8	96.8
178484	6	9.10	0.2	20	< 100	405	1	0.4	1.58	0.2	73	28.6	232	72.9	3.5	5.11	5.7	1.36	35.1	44.5	3.11	7.3	86.7
178485	< 5	8.59	0.1	12	800	352	1	0.2	5.16	0.1	52	39.2	250	79.2	2.4	4.94	3.3	0.81	23.9	50.5	3.08	6.5	213
178486	8	9.12	0.1	39	< 100	563	1	0.2	3.40	< 0.1	66	33.3	193	70.1	5.5	5.87	3.2	1.89	30.7	53.3	1.73	6.7	141
178487	< 5	10.3	< 0.1	22	< 100	673	2	0.3	1.68	< 0.1	59	29.3	161	62.1	6.8	5.08	3.5	2.22	27.5	48.4	1.76	1.1	103
178488	465	9.66	< 0.1	143	300	519	< 1	< 0.1	4.04	0.1	19	16.4	52	53.8	0.8	5.39	1.1	0.86	8.5	9.2	2.91	1.2	29.7
178489	< 5	9.69	< 0.1	17	< 100	525	2	0.2	2.11	< 0.1	58	24.8	163	55.2	4.8	4.56	3.7	0.87	26.7	35.8	2.93	1.7	82.2
178490	< 5	10.3	0.6	13	< 100	611	2	0.3	1.32	< 0.1	58	26.7	186	56.6	5.5	4.76	3.9	2.19	24.3	40.3	2.77	5.5	92.9
178491	< 5	9.58	0.3	22	< 100	581	1	0.2	1.72	< 0.1	56	24.5	167	53.6	4.9	4.49	3.6	1.93	27.1	33.2	2.77	3.6	79.9
178492	< 5	9.78	0.2	12	< 100	582	2	0.2	1.53	< 0.1	56	24.6	178	48.3	4.8	4.53	3.6	1.96	23.5	35.9	2.89	4.7	82.5
178493	< 5	7.62	0.2	15	< 100	572	2	0.2	1.39	< 0.1	38	26.4	231	62.8	4.9	4.62	4.0	2.05	11.0	38.0	2.32	9.0	90.3
178494	< 5	9.92	< 0.1	15	< 100	642	2	0.3	1.58	< 0.1	53	28.2	203	52.4	6.2	5.01	3.6	2.07	19.7	42.7	2.27	2.9	96.3
178495	< 5	10.5	< 0.1	36	< 100	669	2	0.2	2.42	< 0.1	90	26.1	140	50.7	6.2	4.81	4.0	2.37	40.5	36.7	2.40	5.9	92.7
178496	< 5	9.91	< 0.1	11	< 100	613	1	0.2	1.48	< 0.1	54	26.1	162	69.4	5.1	4.64	3.7	1.98	22.2	39.9	3.08	1.4	87.3
178497	< 5	9.49	< 0.1	10	< 100	569	2	0.2	1.52	< 0.1	52	25.7	158	62.3	4.9	4.56	3.6	1.93	21.3	39.3	2.90	0.6	86.3
178498	< 5	9.71	0.5	10	< 100	625	2	0.3	1.59	0.1	55	26.7	169	63.9	5.3	4.92	3.6	2.06	22.5	46.4	2.69	0.6	92.6
178499	< 5	9.65	0.2	10	< 100	605	2	0.3	1.51	0.1	55	26.6	152	58.2	5.3	4.70	3.5	2.06	22.1	46.4	2.70	0.3	88.6
178500	< 5	9.75	0.2	13	< 100	552	2	0.3	1.73	< 0.1	59	27.0	152	68.9	4.8	4.91	4.0	1.95	25.5	48.3	2.88	1.5	87.2
178501	< 5	9.91	< 0.1	19	< 100	513	2	0.2	1.63	< 0.1	52	22.9	134	54.0	4.8	4.32	3.1	1.96	24.2	41.7	2.88	0.8	79.4
178502	< 5	10.3	< 0.1	10	< 100	651	2	0.3	1.05	< 0.1	61	30.9	181	64.4	6.0	5.42	3.6	2.02	28.7	59.7	2.44	0.6	106
178503	< 5	7.74	0.1	10	< 100	611	2	0.3	0.85	0.1	44	27.3	220	58.7	4.8	4.89	3.8	1.51	16.2	60.3	2.48	9.1	95.3
178361	6	8.26	< 0.1	3	< 100	90	< 1	< 0.1	8.80	< 0.1	13	51.8	110	136	0.8	8.75	1.6	0.55	5.3	24.2	2.50	3.1	69.0
178362	< 5	8.45	< 0.1	3	< 100	141	< 1	< 0.1	9.01	< 0.1	17	52.3	112	111	0.9	9.12	1.4	0.62	7.0	21.7	2.01	0.7	74.5
178363	< 5	8.58	< 0.1	2	< 100	103	< 1	< 0.1	8.09	< 0.1	13	55.7	99	122	0.9	9.33	1.5	0.62	4.9	18.3	3.10	0.2	75.4
178364	8	8.33	0.5	2	< 100	87	< 1	< 0.1	8.88	< 0.1	12	56.0	93	126	0.8	9.39	1.7	0.48	4.8	18.3	3.61	0.7	78.1
178365	< 5	8.79	0.2	4	< 100	75	< 1	< 0.1	9.11	0.1	15	58.9	85	108	0.8	9.63	0.9	0.33	6.0	15.1	2.19	0.2	80.2

Results

Activation Laboratories Ltd.

Report: A16-09214

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
178474	0.059	67.3	9.8	< 1	1.88	1320	< 0.1	< 0.1	26	1.0	173	< 0.1	3.1	0.522	0.70	0.9	210	0.5	12.1	121	117	
178475	0.063	63.0	9.3	< 1	1.71	1470	0.8	3.2	22	1.0	215	0.1	3.3	0.510	0.66	1.0	182	0.5	11.6	115	112	
178476	0.088	60.7	10.6	< 1	2.01	1320	1.2	4.0	23	1.2	253	0.2	5.1	0.542	0.61	1.4	203	0.8	13.5	108	128	
178477	0.052	48.0	6.4	< 1	1.61	1550	0.7	4.1	21	0.9	217	0.2	2.3	0.519	0.62	0.8	188	0.9	9.5	93	116	
178478	0.055	40.8	8.2	< 1	1.52	1430	0.7	4.4	19	1.0	176	0.3	1.6	0.526	0.68	0.6	191	0.6	8.0	111	114	
178479	0.078	45.3	16.6	1	1.51	909	2.9	8.1	13	1.3	256	0.4	3.1	0.401	1.05	1.3	133	2.2	8.5	95	131	
178480	0.005	1.8	3.3	< 1	12.5	333	0.1	0.2	< 1	0.1	136	< 0.1	0.2	0.008	0.07	0.3	< 4	0.6	0.8	12	6.2	
178481	0.076	56.2	14.7	< 1	1.77	791	2.2	3.5	15	1.5	182	0.5	6.3	0.462	0.93	2.2	146	1.8	11.9	101	152	
178482	0.079	44.7	14.8	< 1	1.69	684	2.2	3.5	11	1.5	183	0.6	4.0	0.464	0.73	5.2	129	2.1	8.2	90	162	
178483	0.083	68.1	11.8	< 1	1.93	594	2.0	2.2	17	1.5	190	0.2	8.8	0.467	0.70	3.1	143	1.2	13.1	99	175	
178484	0.094	48.9	16.7	< 1	1.79	740	2.2	3.8	15	1.5	242	0.4	14.5	0.497	0.46	4.4	129	1.4	14.5	93	259	
178485	0.089	32.4	11.2	< 1	5.56	1070	1.1	3.2	20	1.2	608	0.2	8.0	0.383	0.26	2.5	124	1.0	12.2	82	152	
178486	0.113	72.1	12.5	< 1	3.03	915	1.3	4.7	21	1.4	484	0.3	8.0	0.469	0.58	2.1	146	2.4	13.4	95	157	
178487	0.082	85.3	10.1	< 1	1.85	672	1.6	0.2	20	1.5	232	< 0.1	10.2	0.466	0.73	2.9	156	0.3	15.2	88	153	
178488	0.068	19.9	12.8	< 1	1.65	1060	3.8	0.7	22	1.5	348	< 0.1	2.2	0.396	0.13	0.7	166	0.5	19.3	77	40.6	
178489	0.081	41.0	14.9	< 1	1.74	940	1.5	0.6	16	1.3	319	< 0.1	10.0	0.416	0.47	3.1	121	0.3	13.9	73	171	
178490	0.086	78.9	11.9	< 1	1.81	674	2.2	2.0	18	1.5	229	0.2	9.5	0.471	0.54	3.0	139	1.3	14.8	88	181	
178491	0.082	72.5	13.7	< 1	1.74	734	1.5	1.4	15	1.3	287	< 0.1	9.6	0.423	0.47	2.9	120	0.9	13.9	76	165	
178492	0.080	71.4	13.7	< 1	1.80	673	1.7	1.7	16	1.4	248	0.1	8.8	0.431	0.48	2.8	126	0.9	13.6	78	166	
178493	0.078	59.0	11.9	< 1	1.84	758	1.9	3.1	12	1.5	204	0.6	5.4	0.463	0.51	2.2	137	2.1	10.2	91	184	
178494	0.085	72.4	14.4	< 1	1.93	744	1.7	0.5	18	1.5	221	< 0.1	8.0	0.463	0.58	2.6	145	0.5	14.1	94	163	
178495	0.156	87.8	10.9	< 1	2.16	669	1.9	2.8	16	1.2	335	0.2	11.1	0.497	0.58	5.0	135	1.6	16.6	81	192	
178496	0.079	69.7	12.9	< 1	1.78	699	1.0	0.3	16	1.3	256	< 0.1	8.4	0.407	0.48	2.7	124	0.1	13.8	89	177	
178497	0.076	67.5	12.4	< 1	1.77	699	1.1	0.2	15	1.0	241	< 0.1	8.1	0.385	0.46	2.7	118	< 0.1	13.5	88	162	
178498	0.083	75.0	15.4	< 1	1.83	739	1.4	0.2	17	1.3	201	< 0.1	8.8	0.401	0.53	2.8	132	0.1	15.0	108	163	
178499	0.077	73.8	18.4	< 1	1.83	724	0.7	0.1	16	1.0	193	< 0.1	8.5	0.338	0.53	2.8	122	< 0.1	14.8	96	156	
178500	0.089	71.2	15.7	< 1	1.91	709	1.4	0.4	17	1.4	223	< 0.1	9.8	0.444	0.49	3.1	130	0.2	14.9	97	176	
178501	0.074	72.2	12.8	< 1	1.72	709	1.1	0.2	16	1.0	222	< 0.1	8.2	0.387	0.47	2.5	115	< 0.1	13.5	80	149	
178502	0.082	80.1	13.6	< 1	2.07	599	1.3	< 0.1	21	1.1	161	< 0.1	10.1	0.442	0.58	3.2	154	< 0.1	15.7	111	162	
178503	0.080	53.8	14.5	< 1	2.01	606	2.2	2.4	13	1.6	153	0.6	6.5	0.487	0.54	2.6	151	1.9	10.1	108	164	
178361	0.044	18.6	2.3	< 1	3.41	1680	1.3	0.5	40	0.9	171	0.2	0.9	0.602	0.14	0.2	313	2.1	17.8	101	71.5	
178362	0.042	19.1	2.9	< 1	3.23	1800	0.8	0.2	38	0.5	281	< 0.1	0.9	0.579	0.14	0.2	321	0.1	19.2	106	61.3	
178363	0.043	19.3	2.5	< 1	3.24	1760	0.5	0.1	43	0.4	177	< 0.1	0.8	0.490	0.14	0.2	288	< 0.1	19.5	114	62.8	
178364	0.043	13.0	2.8	1	3.50	1740	1.0	0.1	43	0.5	153	< 0.1	0.9	0.548	0.11	0.2	293	< 0.1	19.7	124	74.9	
178365	0.045	8.3	4.8	< 1	3.38	1800	0.1	0.2	38	0.3	310	< 0.1	1.0	0.277	0.08	0.3	183	< 0.1	20.6	104	35.3	

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	899																							
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
OREAS 251 (FA-Anaster) Meas	510																							
OREAS 251 (FA-Anaster) Cert	504																							

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
178474 Orig		8.47	0.3	13	< 100	480	< 1	0.1	2.45	0.1	28	37.3	148	85.0	4.0	6.93	2.6	1.77	12.5	50.9	1.35	2.0	86.8
178474 Dup		9.17	0.2	12	< 100	484	< 1	0.1	2.53	0.2	29	38.3	165	87.3	4.1	7.38	2.7	1.83	13.0	53.2	1.41	2.0	90.7
178483 Orig	< 5																						
178483 Dup	< 5																						
178493 Orig	< 5																						
178493 Dup	< 5																						
178503 Orig	< 5																						
178503 Dup	7																						
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																					
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
OREAS 251 (FA-Anaster) Meas																					
OREAS 251 (FA-Anaster) Cert																					

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
178474 Orig	0.058	65.7	9.9	< 1	1.85	1310	< 0.1	< 0.1	25	1.1	170	< 0.1	3.1	0.525	0.69	0.9	207	0.6	11.9	121	116
178474 Dup	0.060	68.9	9.8	< 1	1.92	1330	< 0.1	< 0.1	26	1.0	177	< 0.1	3.1	0.519	0.72	0.9	213	0.3	12.2	122	118
178483 Orig																					
178483 Dup																					
178493 Orig																					
178493 Dup																					
178503 Orig																					
178503 Dup																					
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: 13-Sep-16
Invoice No.: A16-09283
Invoice Date: 31-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

35 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09283**

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: 13-Sep-16
Invoice No.: A16-09283
Invoice Date: 31-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

35 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-09283**

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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

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Results

Activation Laboratories Ltd.

Report: A16-09283

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
178366	14	8.50	0.2	3	< 100	123	< 1	0.1	5.72	< 0.1	16	55.0	28	158	1.6	9.70	1.2	0.82	6.5	19.2	3.34	0.1	55.4
178367	7	8.68	< 0.1	< 1	< 100	223	< 1	< 0.1	5.70	< 0.1	16	56.9	17	120	1.7	10.3	1.9	1.03	6.5	17.3	3.11	0.4	50.7
178368	10	8.83	< 0.1	< 1	100	130	< 1	0.1	5.06	< 0.1	16	57.8	20	134	1.5	10.6	1.6	0.93	6.4	18.4	3.77	0.2	54.1
178369	3800	8.23	0.6	12	> 2000	591	< 1	0.3	2.92	0.4	21	16.3	91	76.8	1.1	5.68	1.2	0.96	9.5	19.0	2.70	2.5	51.5
178370	11	9.04	0.4	2	< 100	153	< 1	< 0.1	5.48	< 0.1	17	60.3	24	120	1.4	11.0	1.9	1.06	6.8	17.8	3.50	0.1	54.2
178371	< 5	9.11	< 0.1	< 1	< 100	121	< 1	< 0.1	4.88	< 0.1	16	61.1	25	123	1.5	11.1	1.8	0.87	6.1	17.9	4.05	< 0.1	57.8
178372	9	8.45	< 0.1	< 1	< 100	163	< 1	0.1	6.53	< 0.1	15	60.2	27	113	1.7	10.2	1.9	1.15	6.0	16.2	3.79	0.4	55.7
178373	29	8.94	< 0.1	< 1	< 100	201	< 1	0.2	5.87	< 0.1	16	59.6	18	163	1.8	10.6	1.9	1.22	6.4	15.2	4.05	0.3	56.6
178374	8	9.24	< 0.1	< 1	< 100	177	< 1	< 0.1	5.24	< 0.1	19	63.0	28	131	1.8	11.6	2.2	1.00	7.7	16.3	3.54	0.3	53.0
178375	9	9.14	< 0.1	1	< 100	257	< 1	< 0.1	5.65	< 0.1	17	61.2	23	131	2.0	11.0	2.0	1.01	6.9	17.7	3.74	0.6	56.8
178376	8	8.99	< 0.1	< 1	< 100	224	< 1	0.2	4.56	< 0.1	15	58.4	22	139	1.9	10.8	1.9	1.11	5.7	16.2	4.27	0.9	56.9
178377	7	9.16	< 0.1	< 1	< 100	198	< 1	< 0.1	5.00	< 0.1	17	54.3	21	291	1.9	10.6	1.3	1.09	7.0	12.7	3.01	0.2	56.7
178378	5	< 0.01	0.4	< 1	< 100	89	< 1	< 0.1	22.3	< 0.1	2	0.6	10	1.6	0.5	0.14	< 0.1	0.03	0.9	13.9	0.026	0.2	4.8
178379	5	7.00	0.3	2	< 100	139	< 1	< 0.1	5.89	< 0.1	13	41.3	18	275	1.5	8.22	2.0	1.07	5.2	10.7	3.25	2.9	42.8
178380	< 5	8.13	0.1	2	< 100	155	< 1	< 0.1	4.90	< 0.1	16	54.6	17	107	1.7	9.82	1.7	1.16	6.6	12.7	3.00	0.2	48.7
178381	< 5	8.55	< 0.1	1	< 100	202	< 1	< 0.1	5.12	< 0.1	18	58.6	17	130	1.9	10.4	1.0	1.07	7.2	14.3	2.71	< 0.1	51.6
178382	5	8.22	< 0.1	< 1	< 100	227	< 1	< 0.1	4.55	< 0.1	16	53.0	21	119	2.1	9.76	1.4	1.41	6.3	13.0	3.29	< 0.1	50.0
178383	5	8.29	< 0.1	2	< 100	177	< 1	< 0.1	5.24	< 0.1	16	56.5	21	120	2.6	10.0	1.8	1.30	6.4	18.5	2.14	0.3	51.9
178384	< 5	8.59	0.3	2	< 100	162	< 1	0.6	6.34	< 0.1	17	55.6	20	128	2.3	9.96	2.1	1.23	6.7	17.8	2.21	2.1	53.5
178385	< 5	8.93	0.2	6	< 100	172	< 1	< 0.1	5.04	< 0.1	17	60.4	17	126	2.6	10.6	2.2	1.18	7.0	21.9	2.24	3.9	53.4
178386	432	8.64	0.5	131	400	511	< 1	< 0.1	4.07	0.1	15	16.3	61	55.1	0.8	5.47	0.7	0.86	6.7	9.1	2.95	0.1	29.9
178387	< 5	8.14	0.2	4	400	120	< 1	< 0.1	7.25	< 0.1	16	58.8	21	134	1.4	10.0	1.1	0.80	6.3	15.1	2.57	0.3	55.9
178388	< 5	7.51	0.2	4	< 100	160	< 1	< 0.1	6.99	< 0.1	14	59.5	27	127	1.6	10.6	2.0	0.76	5.5	18.0	2.22	4.3	57.5
178389	< 5	8.21	< 0.1	2	< 100	85	< 1	< 0.1	6.34	< 0.1	16	58.1	26	125	0.7	9.60	1.9	0.38	6.2	14.8	2.88	0.7	55.2
178390	8	8.00	< 0.1	2	< 100	94	< 1	< 0.1	8.03	< 0.1	16	56.8	21	123	0.7	9.01	1.6	0.34	6.2	12.8	2.53	0.2	52.4
178391	15	8.02	< 0.1	3	< 100	83	< 1	< 0.1	10.5	< 0.1	14	49.2	18	87.1	0.7	8.67	1.2	0.38	5.8	12.9	1.94	0.2	47.2
178392	6	7.51	< 0.1	< 1	< 100	56	< 1	< 0.1	9.22	< 0.1	14	47.2	15	102	0.5	8.40	1.5	0.21	5.9	12.6	1.44	0.2	45.4
178393	< 5	7.77	< 0.1	3	< 100	85	< 1	< 0.1	8.36	< 0.1	15	55.3	15	130	0.8	8.60	1.1	0.38	5.8	19.1	2.07	0.1	49.6
178394	12	8.09	< 0.1	2	1000	53	< 1	0.3	9.14	< 0.1	17	56.7	19	119	0.7	9.60	1.5	0.24	6.8	20.5	1.57	0.6	53.0
178395	8	8.24	0.4	4	< 100	53	< 1	< 0.1	9.14	< 0.1	16	56.6	21	128	0.7	9.51	1.6	0.25	6.7	20.0	1.53	1.7	53.3
178504	8	9.82	0.3	10	< 100	546	2	0.3	1.59	0.1	64	26.2	173	55.7	5.0	4.79	4.0	1.80	30.4	57.9	2.72	7.6	88.0
178505	6	9.78	0.1	10	< 100	584	2	0.3	1.47	0.1	61	27.3	161	67.6	5.9	5.02	3.1	2.12	28.4	60.1	2.20	0.7	95.1
178506	4080	8.11	0.6	9	> 2000	582	< 1	0.3	2.87	0.4	20	16.1	92	74.5	1.1	5.73	1.1	0.96	9.2	19.5	2.75	1.2	51.2
178507	< 5	7.85	0.2	8	< 100	492	1	0.2	1.08	< 0.1	49	24.7	206	54.3	4.5	4.25	3.6	1.68	19.8	53.7	2.63	8.0	81.7
178508	5	9.55	0.1	8	< 100	542	2	0.2	1.17	< 0.1	56	27.0	194	56.3	5.4	4.66	3.4	1.89	25.5	58.7	2.63	2.8	89.0

Results

Activation Laboratories Ltd.

Report: A16-09283

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
178366	0.046	28.3	4.5	< 1	4.18	1510	0.4	0.3	41	0.6	156	< 0.1	1.0	0.413	0.19	0.3	240	< 0.1	20.0	102	52.1	
178367	0.051	35.6	3.4	< 1	4.42	1710	0.6	< 0.1	37	< 0.1	154	< 0.1	1.1	0.588	0.24	0.3	313	< 0.1	21.2	120	84.7	
178368	0.051	31.8	9.0	< 1	4.32	1630	3.6	< 0.1	38	0.5	101	< 0.1	1.1	0.537	0.23	0.3	305	< 0.1	21.3	131	76.2	
178369	0.089	24.9	18.0	< 1	1.71	936	5.0	2.7	19	1.4	305	0.1	1.9	0.378	0.23	0.8	155	2.5	16.8	111	47.7	
178370	0.052	36.7	3.5	< 1	4.31	1710	0.6	< 0.1	38	0.1	159	< 0.1	1.2	0.572	0.35	0.3	331	< 0.1	21.8	120	87.0	
178371	0.048	29.8	2.2	< 1	4.51	1720	0.2	< 0.1	41	< 0.1	112	< 0.1	1.1	0.375	0.20	0.3	268	< 0.1	22.5	128	83.3	
178372	0.044	38.1	4.9	1	4.20	1620	2.8	< 0.1	41	0.7	122	< 0.1	1.0	0.531	0.28	0.3	315	< 0.1	20.3	120	87.6	
178373	0.048	40.1	4.0	2	4.32	1690	2.4	< 0.1	43	0.7	126	< 0.1	1.0	0.569	0.30	0.3	334	< 0.1	20.8	136	86.1	
178374	0.056	35.2	2.8	< 1	4.49	1800	0.6	< 0.1	40	0.2	227	< 0.1	1.3	0.626	0.25	0.3	336	< 0.1	24.7	121	98.5	
178375	0.056	35.9	2.6	< 1	4.35	1780	0.8	0.2	39	0.8	189	< 0.1	1.2	0.671	0.24	0.3	326	0.1	22.3	120	92.4	
178376	0.051	39.5	2.8	1	4.41	1720	2.0	< 0.1	38	0.6	148	< 0.1	1.0	0.650	0.28	0.3	355	0.1	21.6	170	85.5	
178377	0.056	38.6	3.1	< 1	4.47	1690	0.3	< 0.1	40	0.8	210	< 0.1	1.2	0.456	0.26	0.3	232	< 0.1	22.7	183	56.7	
178378	0.005	1.2	8.3	< 1	12.9	417	0.4	0.2	< 1	0.2	136	< 0.1	0.1	0.007	0.05	0.2	< 4	0.3	1.0	24	3.7	
178379	0.043	39.2	4.0	< 1	3.37	1470	1.0	0.1	35	0.8	162	0.1	1.1	0.591	0.32	0.3	303	1.2	18.1	134	83.5	
178380	0.049	42.2	3.4	< 1	3.90	1590	< 0.1	< 0.1	41	0.3	299	< 0.1	1.2	0.397	0.33	1.3	250	< 0.1	21.3	112	74.6	
178381	0.051	40.4	5.7	< 1	4.34	1710	< 0.1	< 0.1	41	0.3	304	< 0.1	1.2	0.266	0.39	0.3	202	< 0.1	22.6	119	43.0	
178382	0.045	53.0	4.5	< 1	4.28	1590	< 0.1	0.2	41	0.5	230	< 0.1	1.1	0.413	0.39	0.3	235	< 0.1	20.5	105	57.5	
178383	0.046	56.9	3.7	< 1	4.26	1740	0.2	0.1	41	0.5	268	< 0.1	1.1	0.570	0.37	0.3	286	< 0.1	20.3	106	76.7	
178384	0.052	50.7	21.5	< 1	4.28	1740	0.9	0.6	42	0.9	275	< 0.1	1.2	0.657	0.36	0.3	315	< 0.1	21.1	108	94.9	
178385	0.054	52.9	4.0	< 1	4.64	1670	1.2	0.4	43	0.6	258	0.2	1.2	0.731	0.35	0.3	354	0.4	22.6	126	95.5	
178386	0.061	14.2	13.6	< 1	1.60	1130	0.8	0.3	19	0.7	351	< 0.1	1.3	0.177	0.13	0.6	88	< 0.1	16.0	75	22.4	
178387	0.048	25.2	4.2	< 1	3.56	1820	0.3	< 0.1	40	0.4	308	< 0.1	1.1	0.343	0.20	0.3	206	< 0.1	20.4	118	49.0	
178388	0.053	20.5	3.6	< 1	3.40	1940	0.6	0.7	34	0.9	219	0.3	0.9	0.714	0.24	0.3	352	1.0	18.4	121	91.4	
178389	0.047	9.8	3.0	< 1	2.83	1980	0.2	< 0.1	40	0.2	199	< 0.1	1.0	0.597	0.10	0.3	318	< 0.1	20.5	124	83.4	
178390	0.044	10.9	3.1	< 1	2.70	1920	0.1	< 0.1	40	0.1	216	< 0.1	1.1	0.424	0.08	0.3	243	< 0.1	20.1	112	66.9	
178391	0.040	13.3	3.9	< 1	2.54	1740	< 0.1	0.2	34	0.4	272	< 0.1	1.0	0.345	0.10	0.2	225	< 0.1	18.1	98	48.3	
178392	0.040	7.0	3.2	< 1	2.51	1680	< 0.1	0.1	35	0.2	209	< 0.1	1.0	0.434	< 0.05	0.2	248	< 0.1	18.4	97	60.6	
178393	0.041	11.4	3.1	< 1	2.58	1840	< 0.1	< 0.1	38	0.4	227	< 0.1	1.0	0.316	0.09	0.3	199	< 0.1	19.5	111	45.0	
178394	0.047	7.1	3.4	< 1	2.75	2000	0.4	0.2	41	0.1	236	< 0.1	1.1	0.503	0.06	0.3	271	< 0.1	21.2	115	60.9	
178395	0.049	7.8	3.4	< 1	2.80	1980	0.7	0.2	42	0.3	228	< 0.1	1.2	0.579	0.06	0.3	298	< 0.1	20.9	115	64.5	
178504	0.082	72.6	15.1	< 1	1.88	678	1.9	1.1	18	1.6	217	0.5	10.8	0.456	0.48	3.3	136	1.2	15.6	107	174	
178505	0.076	82.4	20.2	< 1	1.99	770	0.4	0.4	18	1.5	165	< 0.1	10.0	0.277	0.58	3.1	103	< 0.1	15.9	115	126	
178506	0.088	24.7	17.6	< 1	1.69	925	3.4	1.6	19	0.9	302	< 0.1	1.9	0.304	0.23	0.8	132	1.4	16.4	108	43.0	
178507	0.074	61.8	13.2	< 1	1.71	588	1.8	2.0	13	1.4	159	0.5	7.0	0.449	0.45	2.4	128	1.4	10.3	99	159	
178508	0.075	76.1	13.2	< 1	1.86	581	1.4	0.4	17	1.4	176	< 0.1	8.7	0.434	0.50	2.6	138	0.2	13.3	99	155	

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	886																						
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
OREAS 251 (FA-Anaster) Meas	499																						
OREAS 251 (FA-Anaster) Cert	504																						

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
178369 Orig		8.19	0.5	12	> 2000	595	< 1	0.3	2.87	0.4	20	16.5	91	76.9	1.1	5.72	1.2	0.96	9.4	19.0	2.70	2.6	52.1
178369 Dup		8.26	0.6	12	> 2000	586	< 1	0.3	2.98	0.4	21	16.2	92	76.8	1.1	5.65	1.2	0.96	9.5	18.9	2.70	2.4	50.9
178371 Orig		9.03	0.2	< 1	< 100	119	< 1	< 0.1	4.73	< 0.1	16	60.3	28	123	1.5	10.9	1.9	0.89	6.1	17.7	4.07	< 0.1	57.7
178371 Dup		9.20	< 0.1	< 1	1200	123	< 1	< 0.1	5.03	< 0.1	15	62.0	21	123	1.6	11.2	1.7	0.84	6.2	18.1	4.03	< 0.1	57.9
178375 Orig	9																						
178375 Dup	8																						
178385 Orig	< 5																						
178385 Dup	< 5																						
178395 Orig	8																						
178395 Dup	8																						
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	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																					
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
OREAS 251 (FA-Anaster) Meas																					
OREAS 251 (FA-Anaster) Cert																					

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
178369 Orig	0.088	24.6	18.6	< 1	1.70	945	5.0	2.8	19	1.4	308	0.1	1.8	0.348	0.23	0.8	146	2.7	16.6	111	46.9
178369 Dup	0.089	25.2	17.5	< 1	1.72	926	5.0	2.7	19	1.5	302	0.1	1.9	0.407	0.23	0.9	165	2.2	17.1	110	48.6
178371 Orig	0.049	29.7	2.2	< 1	4.35	1720	0.1	< 0.1	40	< 0.1	111	< 0.1	1.1	0.407	0.20	0.3	273	< 0.1	22.5	126	88.0
178371 Dup	0.048	30.0	2.2	< 1	4.67	1730	0.2	< 0.1	41	0.1	113	< 0.1	1.1	0.343	0.20	0.3	263	< 0.1	22.5	130	78.7
178375 Orig																					
178375 Dup																					
178385 Orig																					
178385 Dup																					
178395 Orig																					
178395 Dup																					
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: 13-Sep-16
Invoice No.: A16-09292
Invoice Date: 31-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

35 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-09292**

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, consisting of several loops and a long horizontal stroke at the end.

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: 13-Sep-16
Invoice No.: A16-09292
Invoice Date: 31-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

35 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09292**

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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: A16-09292

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
178509	< 5	9.75	< 0.1	9	< 100	512	2	0.3	1.33	< 0.1	58	28.9	197	66.7	5.1	5.02	3.9	1.87	27.0	58.6	2.79	2.5	94.5
178510	< 5	9.80	< 0.1	10	< 100	502	2	0.2	1.57	< 0.1	56	26.1	155	56.9	5.1	4.64	3.4	1.87	24.9	50.0	2.86	0.6	87.3
178511	< 5	10.2	< 0.1	16	< 100	662	2	0.3	1.33	< 0.1	57	30.0	181	55.7	7.0	5.33	3.5	2.48	26.0	57.6	2.05	0.6	104
178512	< 5	8.76	0.4	15	< 100	590	3	0.3	1.80	< 0.1	59	19.2	125	38.9	6.4	3.75	4.6	2.23	25.2	38.5	2.20	1.4	65.6
178513	< 5	9.64	0.2	15	< 100	506	2	0.2	1.51	< 0.1	54	25.4	162	58.6	4.9	4.55	3.3	1.79	23.7	67.1	3.26	0.5	86.5
178514	< 5	< 0.01	< 0.1	< 1	100	123	< 1	< 0.1	23.6	< 0.1	2	0.5	6	1.2	0.4	0.12	< 0.1	0.04	0.7	13.7	0.024	0.2	5.0
178515	6	9.09	< 0.1	18	< 100	503	1	0.3	1.54	< 0.1	62	24.6	172	57.4	4.4	4.36	4.3	1.58	28.5	43.9	3.14	2.1	76.9
178516	5	10.4	0.2	48	< 100	766	2	0.2	1.98	< 0.1	60	26.5	163	55.6	7.3	4.24	3.7	2.70	28.9	33.9	1.92	2.1	85.6
178517	< 5	< 0.01	0.5	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	0.2	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1
178518	< 5	9.16	0.3	17	< 100	581	2	0.2	1.80	< 0.1	59	22.9	150	52.5	4.8	3.91	3.8	1.79	27.4	37.3	2.92	1.1	75.5
178519	5	10.8	0.2	21	< 100	836	2	0.3	2.50	< 0.1	82	30.5	155	57.0	8.7	5.36	3.6	3.04	36.9	61.4	1.55	0.5	109
178520	< 5	10.6	< 0.1	30	< 100	830	2	0.3	1.45	< 0.1	60	31.3	175	67.6	7.6	5.15	3.2	3.03	26.2	58.7	1.74	0.6	106
178521	< 5	9.91	< 0.1	30	< 100	683	2	0.2	2.91	< 0.1	79	28.4	150	49.6	7.6	4.67	3.7	2.91	35.2	41.8	1.91	1.2	98.0
178522	454	9.67	< 0.1	137	600	524	< 1	< 0.1	4.24	0.1	18	17.2	53	58.8	0.8	5.56	0.8	0.93	8.1	9.5	3.07	0.5	32.0
178523	< 5	10.2	< 0.1	53	< 100	703	2	0.2	2.20	< 0.1	57	25.9	169	63.3	8.1	4.56	3.4	3.18	26.7	33.0	1.50	0.4	91.3
178524	51	7.65	0.1	394	100	594	1	0.3	2.03	< 0.1	45	23.7	229	48.3	6.0	4.21	4.8	2.41	17.6	23.2	1.66	7.9	77.0
178525	14	9.41	0.5	118	< 100	594	1	0.2	1.81	< 0.1	58	23.4	188	50.5	6.1	3.93	3.9	2.14	28.1	24.3	2.24	4.8	74.3
178526	30	10.6	0.3	153	< 100	777	2	0.2	1.67	< 0.1	60	28.6	184	57.2	8.4	5.08	3.8	2.60	28.6	27.8	1.45	5.2	94.8
178527	27	9.44	0.2	134	< 100	647	2	0.2	2.04	< 0.1	59	22.7	165	56.6	6.6	3.84	4.3	2.61	28.2	24.5	1.84	4.7	70.6
178528	5	9.23	0.1	67	< 100	583	1	0.3	2.39	< 0.1	59	24.5	175	55.2	5.9	3.53	4.3	2.41	27.6	32.5	2.43	2.4	77.8
178529	< 5	9.76	< 0.1	2	< 100	59	< 1	< 0.1	7.50	< 0.1	9	74.3	46	148	0.8	11.6	1.6	0.04	3.2	55.3	1.85	1.4	132
178530	< 5	9.21	< 0.1	3	< 100	63	< 1	< 0.1	6.97	< 0.1	9	71.7	48	133	0.8	11.1	1.4	0.04	3.1	53.2	1.79	2.3	127
178531	< 5	9.12	< 0.1	7	< 100	11	< 1	< 0.1	7.31	< 0.1	9	89.7	41	150	0.9	12.6	1.4	0.04	3.1	62.7	1.72	3.3	200
178532	5	9.23	< 0.1	7	< 100	16	< 1	< 0.1	7.92	< 0.1	10	81.0	41	183	0.9	12.5	1.6	0.03	3.6	59.9	1.48	3.2	159
178533	< 5	8.60	< 0.1	< 1	< 100	10	< 1	< 0.1	7.59	< 0.1	10	72.6	43	185	0.8	12.5	1.4	0.02	3.5	54.3	1.39	0.9	115
178232	< 5	8.34	0.5	< 1	< 100	70	< 1	< 0.1	7.18	< 0.1	14	57.1	107	133	0.6	9.22	1.7	0.34	5.7	15.4	2.71	0.3	79.0
178233	< 5	8.45	0.2	2	< 100	63	< 1	< 0.1	7.14	< 0.1	13	56.2	133	131	0.6	9.11	1.8	0.29	5.0	17.0	2.50	3.9	76.1
178234	3980	7.90	0.7	11	> 2000	585	< 1	0.3	2.86	0.5	21	15.9	102	75.3	1.1	5.53	1.3	0.92	9.5	18.8	2.63	2.1	49.7
178235	< 5	8.74	0.4	< 1	100	101	< 1	< 0.1	6.52	< 0.1	15	56.5	113	140	0.8	9.59	1.8	0.47	6.1	20.0	2.79	0.2	79.5
178236	< 5	8.87	0.2	< 1	< 100	70	< 1	< 0.1	6.57	< 0.1	14	56.4	89	95.4	0.8	8.87	1.5	0.40	5.5	18.6	3.02	< 0.1	76.6
178237	< 5	8.15	< 0.1	< 1	< 100	70	< 1	0.1	8.01	< 0.1	12	54.4	87	122	1.0	8.44	1.0	0.43	4.5	17.7	2.95	0.2	70.0
178238	< 5	8.52	< 0.1	2	< 100	79	< 1	0.1	7.57	< 0.1	14	53.8	91	113	1.8	9.19	1.5	0.51	6.0	19.8	3.72	0.6	76.0
178239	< 5	8.22	< 0.1	2	< 100	48	< 1	0.1	6.81	< 0.1	13	55.3	87	96.3	2.2	8.69	1.6	0.44	4.9	22.1	3.65	1.1	74.9
178240	< 5	8.26	< 0.1	3	< 100	68	< 1	0.2	8.82	< 0.1	13	47.5	85	116	1.4	8.61	1.8	0.41	5.1	19.8	3.96	2.2	70.1
178241	< 5	7.71	0.4	3	< 100	67	< 1	0.2	7.71	< 0.1	12	48.2	77	94.9	1.3	8.30	1.7	0.42	4.4	22.1	3.37	3.2	65.7

Results

Activation Laboratories Ltd.

Report: A16-09292

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
178509	0.082	73.0	13.2	< 1	1.88	696	1.5	0.4	17	1.4	190	< 0.1	9.1	0.459	0.48	3.0	139	0.1	14.6	104	170	
178510	0.073	74.0	13.4	< 1	1.86	741	1.1	0.2	16	1.2	213	< 0.1	8.5	0.387	0.46	2.7	124	< 0.1	13.7	92	155	
178511	0.079	91.4	11.7	< 1	2.04	663	0.4	0.3	20	1.3	183	< 0.1	9.1	0.381	0.64	2.7	146	< 0.1	15.6	97	154	
178512	0.059	84.6	17.2	< 1	1.55	617	1.2	0.4	12	2.1	249	< 0.1	12.3	0.308	0.56	4.1	94	< 0.1	23.2	68	180	
178513	0.073	64.1	9.9	< 1	1.71	666	0.5	0.4	16	0.9	280	< 0.1	8.6	0.266	0.44	2.7	96	< 0.1	13.4	79	139	
178514	0.004	1.2	3.4	< 1	14.8	379	0.2	0.2	< 1	0.3	215	< 0.1	< 0.1	0.005	< 0.05	0.2	< 4	0.4	0.8	15	2.1	
178515	0.075	60.0	12.0	< 1	1.62	634	0.9	0.9	14	1.2	308	< 0.1	11.0	0.343	0.43	3.8	97	< 0.1	13.1	78	189	
178516	0.077	106	14.0	< 1	1.62	681	2.5	1.0	17	1.5	284	< 0.1	9.6	0.439	0.74	2.8	132	0.4	13.9	48	170	
178517	0.002	< 0.1	< 0.1	< 1	< 0.01	< 1	0.3	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.1	
178518	0.074	67.0	15.7	< 1	1.55	602	1.2	0.8	14	1.3	332	< 0.1	9.8	0.367	0.46	3.1	102	< 0.1	12.8	59	176	
178519	0.135	108	21.1	< 1	2.24	738	0.9	1.0	19	1.6	413	< 0.1	10.4	0.352	0.78	2.9	123	< 0.1	16.8	84	152	
178520	0.082	103	19.7	< 1	1.95	610	0.6	1.2	20	1.6	282	< 0.1	8.7	0.320	0.80	2.6	121	< 0.1	14.2	87	134	
178521	0.143	101	17.2	< 1	2.05	789	0.6	1.9	17	1.4	439	< 0.1	9.3	0.353	0.76	2.8	109	< 0.1	14.4	54	163	
178522	0.071	18.7	13.0	< 1	1.72	1130	0.8	0.4	22	0.5	358	< 0.1	1.8	0.215	0.12	0.6	109	< 0.1	18.5	77	31.9	
178523	0.082	113	14.3	< 1	1.88	753	0.7	3.6	17	1.1	316	< 0.1	9.1	0.378	0.80	2.8	131	< 0.1	14.5	45	157	
178524	0.078	74.2	14.9	< 1	1.51	758	1.8	7.7	12	1.4	310	0.5	7.1	0.424	0.64	3.1	111	3.6	11.0	36	221	
178525	0.077	81.1	8.6	< 1	1.51	653	1.7	4.0	15	1.2	299	0.1	9.7	0.419	0.62	3.0	114	2.1	13.2	31	182	
178526	0.091	103	8.5	< 1	1.87	766	2.0	3.3	19	1.4	268	0.1	9.8	0.496	0.80	2.9	151	1.5	15.1	38	187	
178527	0.082	91.4	8.7	< 1	1.35	725	1.5	3.6	14	1.5	281	0.1	10.3	0.417	0.62	3.2	111	1.6	13.2	30	203	
178528	0.079	82.9	11.3	< 1	1.32	671	1.1	1.8	14	1.2	323	< 0.1	10.3	0.393	0.55	3.3	105	0.4	13.1	29	202	
178529	0.042	1.1	1.8	< 1	5.92	1990	0.2	0.3	37	0.2	250	< 0.1	1.0	0.610	< 0.05	0.1	324	< 0.1	19.4	134	66.4	
178530	0.041	1.0	1.7	< 1	5.70	1890	0.2	0.5	39	0.2	230	0.1	0.5	0.646	< 0.05	< 0.1	323	< 0.1	19.1	130	57.0	
178531	0.044	0.8	1.6	< 1	7.08	2090	0.3	1.1	39	0.6	186	0.2	0.4	0.702	< 0.05	< 0.1	350	0.3	19.0	144	60.8	
178532	0.049	0.7	1.6	< 1	6.47	2030	0.6	0.6	42	0.6	220	0.2	0.4	0.781	< 0.05	< 0.1	375	0.2	22.6	146	68.2	
178533	0.042	0.4	1.7	< 1	5.63	1930	< 0.1	0.1	44	< 0.1	201	< 0.1	0.3	0.624	< 0.05	0.1	336	< 0.1	21.6	140	61.6	
178232	0.039	7.7	3.0	< 1	3.15	1840	0.3	0.1	43	0.1	205	< 0.1	0.9	0.424	0.08	0.2	293	< 0.1	20.3	103	71.4	
178233	0.046	4.4	2.6	< 1	3.50	1940	1.1	1.6	41	0.8	192	0.2	0.8	0.656	0.06	0.2	339	1.1	19.4	111	73.3	
178234	0.088	24.2	17.2	< 1	1.61	897	7.9	2.0	17	2.0	304	< 0.1	1.7	0.468	0.22	0.8	171	2.1	16.6	107	56.4	
178235	0.038	15.8	2.3	< 1	3.71	1980	0.3	0.1	41	< 0.1	175	< 0.1	0.9	0.426	0.11	0.2	287	< 0.1	21.1	115	74.5	
178236	0.036	13.6	2.3	< 1	3.57	1800	< 0.1	< 0.1	38	< 0.1	146	< 0.1	0.8	0.295	0.09	0.3	260	< 0.1	19.9	105	67.1	
178237	0.042	16.0	1.9	< 1	3.45	1870	1.0	0.1	41	0.3	99	< 0.1	0.8	0.332	0.10	0.2	200	< 0.1	18.9	99	38.7	
178238	0.042	20.3	2.3	< 1	3.04	1740	1.8	0.4	42	0.6	89	< 0.1	0.8	0.461	0.16	0.2	283	< 0.1	19.0	103	66.0	
178239	0.041	25.4	2.1	< 1	3.25	1740	3.0	0.2	43	0.6	59	< 0.1	0.8	0.553	0.16	0.2	287	< 0.1	19.0	105	72.6	
178240	0.041	21.7	1.8	< 1	2.88	1720	0.4	0.4	41	0.5	83	< 0.1	0.8	0.590	0.11	0.2	299	0.3	19.5	96	76.4	
178241	0.041	20.0	1.9	< 1	2.97	1780	1.2	0.7	39	0.9	89	0.2	0.8	0.569	0.12	0.3	291	0.9	18.5	96	70.7	

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	874																						
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
OREAS 251 (FA-Anaster) Meas	509																						
OREAS 251 (FA-Anaster) Cert	504																						

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
178515 Orig		8.60	< 0.1	18	< 100	498	1	0.3	1.49	< 0.1	61	24.0	168	55.8	4.3	4.20	4.5	1.52	28.1	42.9	3.03	3.1	73.8
178515 Dup		9.59	< 0.1	19	< 100	509	1	0.3	1.59	< 0.1	62	25.2	176	59.0	4.5	4.51	4.2	1.65	28.8	45.0	3.25	1.1	80.0
178518 Orig	< 5																						
178518 Dup	< 5																						
178520 Orig		10.6	0.1	30	100	833	2	0.3	1.44	< 0.1	60	31.3	168	67.7	7.6	5.15	3.3	3.06	26.4	58.9	1.74	0.6	106
178520 Dup		10.6	< 0.1	29	< 100	827	2	0.3	1.47	< 0.1	59	31.3	182	67.4	7.5	5.15	3.1	3.00	25.9	58.5	1.74	0.6	106
178528 Orig	5																						
178528 Dup	5																						
178236 Orig	< 5																						
178236 Dup	< 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	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																					
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
OREAS 251 (FA-Anaster) Meas																					
OREAS 251 (FA-Anaster) Cert																					

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
178515 Orig	0.073	58.7	12.4	< 1	1.56	616	1.2	1.1	13	1.2	303	< 0.1	11.0	0.358	0.44	3.8	98	< 0.1	12.8	76	196
178515 Dup	0.078	61.3	11.7	< 1	1.69	653	0.6	0.8	15	1.3	312	< 0.1	11.0	0.328	0.42	3.7	97	< 0.1	13.5	79	181
178518 Orig																					
178518 Dup																					
178520 Orig	0.082	105	19.7	< 1	1.96	607	0.8	1.5	20	1.7	282	< 0.1	8.8	0.346	0.81	2.6	126	< 0.1	14.3	88	140
178520 Dup	0.082	101	19.7	< 1	1.93	614	0.5	0.8	20	1.4	281	< 0.1	8.7	0.293	0.79	2.6	116	< 0.1	14.1	87	128
178528 Orig																					
178528 Dup																					
178236 Orig																					
178236 Dup																					
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: 14-Sep-16
Invoice No.: A16-09324
Invoice Date: 31-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-09324**

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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.
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.: A16-09324
Invoice Date: 31-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09324**

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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



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

CERTIFIED BY:

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

Emmanuel Esemé , Ph.D.
Quality Control

Results

Activation Laboratories Ltd.

Report: A16-09324

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
178534	9	7.63	0.2	6	< 100	14	< 1	< 0.1	8.38	< 0.1	9	50.9	33	173	0.3	9.24	0.9	0.03	3.3	32.3	2.21	0.2	55.9
178535	8	7.53	< 0.1	2	< 100	18	< 1	< 0.1	8.35	< 0.1	9	51.0	38	147	0.4	9.22	0.7	0.02	3.3	29.7	2.36	< 0.1	52.1
178536	7	6.50	0.1	7	< 100	16	< 1	< 0.1	6.56	< 0.1	8	61.8	66	169	0.4	10.3	1.3	0.02	2.6	30.0	2.05	3.7	61.5
178537	8	8.07	0.4	3	< 100	14	< 1	< 0.1	7.87	< 0.1	10	56.9	54	164	0.4	9.66	1.2	0.02	3.5	25.4	2.38	0.5	62.0
178538	5	7.42	0.2	< 1	< 100	19	< 1	< 0.1	7.66	< 0.1	9	55.1	53	156	0.4	9.06	1.0	0.03	3.3	24.5	2.70	< 0.1	58.5
178539	3960	7.65	0.5	11	> 2000	567	< 1	0.4	2.72	0.4	20	15.1	85	73.6	1.1	5.36	1.1	0.91	9.3	17.8	2.48	0.3	47.0
178540	9	7.81	0.2	< 1	< 100	21	< 1	< 0.1	9.30	< 0.1	10	60.3	39	199	0.4	10.1	0.9	0.03	3.6	22.3	2.43	0.2	62.2
178541	7	8.07	0.1	2	< 100	16	< 1	< 0.1	6.21	< 0.1	10	57.0	42	149	0.5	9.87	1.1	0.03	3.6	27.2	3.02	0.6	58.5
178542	9	7.56	0.2	4	100	25	< 1	< 0.1	7.41	< 0.1	9	51.7	41	141	0.4	9.02	1.4	0.04	3.3	19.6	3.65	1.0	54.9
178543	7	8.09	< 0.1	< 1	< 100	21	< 1	< 0.1	7.03	< 0.1	10	56.7	37	172	0.4	9.63	0.7	0.02	3.5	18.9	4.03	< 0.1	61.4
178544	6	7.54	0.4	< 1	< 100	11	< 1	< 0.1	6.27	< 0.1	9	54.6	39	152	0.5	9.44	0.6	0.03	3.4	23.1	2.62	< 0.1	57.4
178545	8	7.58	0.2	5	< 100	15	< 1	< 0.1	7.32	< 0.1	10	56.6	53	155	0.5	9.90	1.2	0.03	3.5	21.9	2.31	0.3	60.0
178546	11	8.15	< 0.1	< 1	< 100	14	< 1	< 0.1	6.54	< 0.1	10	60.9	59	164	0.7	10.5	1.2	0.03	3.4	28.7	1.92	0.1	75.8
178547	11	7.78	< 0.1	< 1	200	75	< 1	< 0.1	7.20	< 0.1	10	61.2	61	155	0.9	10.4	1.3	0.05	3.4	90.6	1.37	0.1	90.5
178548	< 5	10.5	< 0.1	< 1	< 100	10	< 1	< 0.1	0.17	< 0.1	1	< 0.2	8	0.8	0.7	0.13	0.2	3.69	0.6	27.8	6.37	< 0.1	0.3
178549	74	7.51	< 0.1	2	< 100	20	< 1	< 0.1	7.42	< 0.1	8	61.0	48	141	0.8	9.92	1.2	0.05	3.0	31.9	1.54	0.7	96.4
178550	16	7.77	< 0.1	4	< 100	14	< 1	< 0.1	7.85	< 0.1	9	56.2	45	156	0.8	11.5	1.2	0.04	3.3	33.0	1.63	1.9	67.4
178551	7	7.70	0.3	5	< 100	17	< 1	< 0.1	8.33	< 0.1	9	52.7	37	156	0.7	10.7	1.1	0.06	3.3	25.8	2.01	2.0	54.4
178552	14	7.27	< 0.1	2	< 100	58	< 1	< 0.1	7.30	< 0.1	10	54.1	44	150	0.6	9.89	1.0	0.05	3.4	27.3	2.03	0.2	57.4
178553	10	7.16	0.2	6	< 100	16	< 1	< 0.1	7.03	< 0.1	10	54.2	53	237	0.5	9.88	1.3	0.04	3.8	32.5	2.10	3.0	57.6
178554	15	7.33	< 0.1	3	< 100	42	< 1	< 0.1	7.25	< 0.1	9	51.2	43	129	0.6	8.73	1.0	0.06	3.4	25.9	2.80	< 0.1	55.4
178555	10	7.47	< 0.1	3	< 100	48	< 1	< 0.1	5.55	< 0.1	9	48.8	50	160	0.9	9.24	0.4	0.10	3.3	34.3	2.41	< 0.1	53.3
178556	428	8.49	< 0.1	133	500	491	< 1	< 0.1	3.65	0.1	19	14.7	49	48.3	0.7	4.85	1.0	0.77	8.3	8.2	2.66	1.3	27.4
178557	13	7.67	< 0.1	3	< 100	48	< 1	< 0.1	5.75	< 0.1	9	52.1	66	149	0.9	9.73	1.4	0.14	3.0	37.2	1.69	0.4	60.1
178558	11	7.53	0.4	7	< 100	70	< 1	< 0.1	6.28	< 0.1	10	52.1	56	155	0.8	9.99	1.3	0.14	3.4	35.9	1.66	2.3	52.7
178242	< 5	10.4	0.1	< 1	< 100	11	< 1	< 0.1	0.18	< 0.1	2	< 0.2	7	0.6	0.7	0.12	0.1	4.16	0.6	26.5	6.00	< 0.1	0.2
178243	< 5	7.82	< 0.1	2	< 100	117	< 1	0.2	6.65	< 0.1	13	53.2	85	136	2.6	8.86	1.9	0.80	5.1	23.0	3.51	3.6	71.9
178244	< 5	7.76	< 0.1	2	< 100	116	< 1	0.2	6.89	< 0.1	14	52.2	88	146	3.3	8.08	1.7	0.79	5.8	21.1	3.39	2.1	70.4
178245	< 5	7.11	< 0.1	1	< 100	82	< 1	0.2	7.40	< 0.1	13	45.8	76	113	2.3	7.84	1.4	0.67	5.3	21.3	3.01	0.3	63.3
178246	< 5	6.70	< 0.1	< 1	< 100	80	< 1	0.1	5.63	< 0.1	11	46.0	121	101	1.7	8.00	1.8	0.57	4.3	22.1	2.71	3.5	59.2
178247	16	7.16	< 0.1	2	< 100	66	< 1	< 0.1	6.75	< 0.1	12	45.8	108	100	2.3	7.63	1.7	0.59	4.8	21.7	2.54	2.1	61.6
178248	9	6.79	< 0.1	< 1	< 100	60	< 1	< 0.1	6.80	< 0.1	13	45.2	93	101	1.3	7.36	1.4	0.29	5.1	19.6	2.80	< 0.1	60.6
178249	7	7.04	< 0.1	1	< 100	62	< 1	< 0.1	5.41	< 0.1	11	47.7	70	95.7	1.6	7.71	0.9	0.37	4.2	20.2	2.78	< 0.1	62.6
178250	482	8.20	0.4	126	500	468	< 1	< 0.1	3.51	0.1	18	13.9	43	49.3	0.7	4.58	0.9	0.73	7.8	7.8	2.52	1.5	25.4

Results

Activation Laboratories Ltd.

Report: A16-09324

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
178534	0.039	0.7	1.9	< 1	3.89	1640	0.2	0.3	39	0.6	165	< 0.1	0.3	0.516	< 0.05	< 0.1	282	< 0.1	19.7	105	38.2	
178535	0.038	0.4	1.4	< 1	3.76	1820	< 0.1	< 0.1	42	< 0.1	132	< 0.1	0.3	0.330	< 0.05	< 0.1	211	< 0.1	20.3	113	23.4	
178536	0.044	0.2	1.7	< 1	3.69	1930	0.3	1.1	34	0.7	149	0.3	0.6	0.768	0.09	< 0.1	379	0.5	17.1	141	39.2	
178537	0.042	0.4	2.1	< 1	3.68	1770	0.3	< 0.1	43	0.1	163	< 0.1	0.3	0.597	< 0.05	< 0.1	335	< 0.1	19.0	122	42.3	
178538	0.040	0.2	1.8	< 1	3.78	1920	0.2	< 0.1	42	< 0.1	128	< 0.1	0.3	0.310	< 0.05	< 0.1	219	< 0.1	20.3	122	32.3	
178539	0.083	24.4	17.7	< 1	1.56	871	3.4	0.4	18	1.1	292	< 0.1	1.8	0.391	0.25	0.8	154	< 0.1	16.3	102	44.5	
178540	0.041	0.5	2.2	< 1	3.86	1880	< 0.1	< 0.1	43	0.1	162	< 0.1	0.4	0.431	< 0.05	< 0.1	243	< 0.1	21.5	123	30.1	
178541	0.044	0.4	1.9	< 1	3.97	1820	< 0.1	0.6	44	0.7	121	< 0.1	0.3	0.629	< 0.05	< 0.1	321	< 0.1	20.2	133	40.5	
178542	0.040	1.1	1.7	< 1	3.37	1570	2.0	< 0.1	40	0.5	57	< 0.1	0.4	0.648	< 0.05	0.3	320	0.2	19.4	118	55.9	
178543	0.042	0.4	2.0	< 1	3.52	1620	0.1	< 0.1	44	0.4	90	< 0.1	0.3	0.301	< 0.05	< 0.1	216	< 0.1	21.3	129	24.5	
178544	0.037	0.3	2.1	< 1	3.46	1780	0.3	< 0.1	41	< 0.1	140	< 0.1	0.3	0.284	< 0.05	< 0.1	182	< 0.1	20.3	123	20.0	
178545	0.038	0.4	2.1	< 1	3.57	1790	0.8	< 0.1	43	< 0.1	155	< 0.1	0.4	0.426	< 0.05	< 0.1	291	< 0.1	20.7	124	40.7	
178546	0.036	0.7	2.1	< 1	4.40	1830	0.2	< 0.1	43	< 0.1	155	< 0.1	0.3	0.367	< 0.05	< 0.1	316	< 0.1	20.7	126	46.1	
178547	0.039	1.6	2.7	< 1	4.50	1910	< 0.1	0.1	43	< 0.1	190	< 0.1	0.3	0.419	< 0.05	< 0.1	301	< 0.1	20.1	154	54.5	
178548	< 0.001	53.6	4.6	< 1	0.01	23	< 0.1	0.2	< 1	0.3	16	< 0.1	0.2	0.001	0.58	0.1	< 4	< 0.1	1.2	3	13.2	
178549	0.037	1.4	2.1	< 1	4.60	1860	0.2	< 0.1	42	0.2	147	< 0.1	0.3	0.571	< 0.05	< 0.1	305	< 0.1	18.5	120	47.6	
178550	0.042	0.9	2.0	< 1	4.07	2090	0.2	0.4	41	0.8	144	< 0.1	0.3	0.664	< 0.05	< 0.1	332	< 0.1	19.4	155	43.7	
178551	0.043	1.3	2.0	< 1	3.73	1950	0.5	0.2	42	0.6	154	< 0.1	0.4	0.616	< 0.05	8.5	312	< 0.1	20.6	133	46.5	
178552	0.038	0.5	2.3	< 1	3.36	1740	< 0.1	< 0.1	42	< 0.1	171	< 0.1	0.3	0.408	< 0.05	< 0.1	256	< 0.1	20.0	139	33.7	
178553	0.041	0.4	3.7	< 1	3.25	1660	0.9	< 0.1	41	0.6	144	< 0.1	0.3	0.642	< 0.05	0.2	326	1.0	18.9	163	43.2	
178554	0.037	1.3	3.1	< 1	3.24	1500	< 0.1	< 0.1	40	< 0.1	117	< 0.1	0.3	0.364	< 0.05	< 0.1	228	< 0.1	18.2	167	40.0	
178555	0.037	2.3	2.5	< 1	3.97	1510	< 0.1	< 0.1	42	0.4	106	< 0.1	0.3	0.173	< 0.05	< 0.1	164	< 0.1	19.4	193	15.9	
178556	0.060	18.1	13.0	< 1	1.47	984	2.2	0.9	20	0.9	328	< 0.1	1.9	0.310	0.12	0.7	137	0.6	17.6	67	34.0	
178557	0.035	3.6	2.1	< 1	4.36	1750	< 0.1	0.1	44	0.2	163	< 0.1	0.3	0.529	< 0.05	< 0.1	312	< 0.1	19.6	115	50.8	
178558	0.042	3.8	2.0	< 1	4.23	1890	0.5	0.3	43	0.6	170	< 0.1	0.3	0.683	< 0.05	< 0.1	346	0.1	20.2	127	50.4	
178242	0.002	61.2	4.6	< 1	0.02	22	< 0.1	0.2	< 1	0.3	21	< 0.1	0.2	0.001	0.59	0.1	< 4	< 0.1	1.3	3	10.2	
178243	0.043	42.2	2.3	< 1	2.92	1740	2.9	0.9	41	0.9	82	0.2	0.9	0.614	0.30	0.2	319	1.1	19.5	99	84.0	
178244	0.037	48.3	3.0	< 1	2.71	1720	1.4	0.4	40	0.8	92	< 0.1	0.8	0.558	0.31	0.2	311	0.5	19.9	97	76.4	
178245	0.037	36.1	3.0	< 1	2.92	1560	1.2	0.6	37	0.6	120	< 0.1	0.8	0.418	0.23	0.2	229	< 0.1	16.9	97	57.3	
178246	0.038	22.1	2.9	< 1	3.19	1370	2.7	1.6	34	0.8	108	0.2	0.7	0.537	0.18	0.2	275	2.1	16.1	102	75.7	
178247	0.035	37.6	2.0	< 1	2.97	1380	8.2	0.2	37	0.6	91	< 0.1	0.7	0.519	0.22	0.3	271	0.8	13.8	88	72.5	
178248	0.035	17.5	2.1	< 1	3.21	1540	1.3	< 0.1	36	0.2	101	< 0.1	0.8	0.409	0.10	0.5	225	< 0.1	16.9	92	57.8	
178249	0.035	25.5	2.5	< 1	3.33	1410	0.3	< 0.1	36	0.2	71	< 0.1	0.8	0.229	0.15	0.2	173	< 0.1	17.1	91	34.6	
178250	0.057	17.7	12.8	< 1	1.34	936	2.4	1.0	19	1.0	315	< 0.1	1.8	0.269	0.12	0.6	120	0.5	17.5	64	30.6	

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	
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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	848																							
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
OREAS 251 (FA-Anaster) Meas	505																							
OREAS 251 (FA-Anaster) Cert	504																							

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
178541 Orig		7.93	0.1	2	400	16	< 1	< 0.1	6.09	< 0.1	10	56.8	43	146	0.5	9.83	1.1	0.03	3.5	26.9	3.00	0.5	58.4
178541 Dup		8.22	0.1	2	< 100	16	< 1	< 0.1	6.33	< 0.1	10	57.2	41	153	0.5	9.91	1.1	0.03	3.6	27.6	3.04	0.7	58.7
178543 Orig	7																						
178543 Dup	7																						
178551 Orig		7.78	0.4	4	< 100	16	< 1	< 0.1	8.31	< 0.1	10	51.7	35	155	0.7	10.6	1.2	0.06	3.3	25.7	1.98	2.0	55.0
178551 Dup		7.63	0.2	5	< 100	17	< 1	< 0.1	8.34	< 0.1	9	53.7	39	157	0.7	10.7	1.0	0.06	3.4	25.8	2.04	2.0	53.7
178553 Orig	11	6.99	0.2	6	< 100	16	< 1	< 0.1	6.96	< 0.1	10	53.9	50	234	0.5	9.74	1.3	0.04	3.6	32.1	2.08	3.0	56.8
178553 Dup	9	7.33	0.2	6	< 100	16	< 1	< 0.1	7.10	< 0.1	10	54.6	57	239	0.5	10.0	1.2	0.05	3.9	32.9	2.12	3.0	58.5
178246 Orig	11																						
178246 Dup	< 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	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																					
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
OREAS 251 (FA-Anaster) Meas																					
OREAS 251 (FA-Anaster) Cert																					

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
178541 Orig	0.043	0.4	2.0	< 1	3.91	1810	< 0.1	0.5	43	0.6	118	< 0.1	0.3	0.613	< 0.05	0.7	319	< 0.1	20.0	133	39.5
178541 Dup	0.046	0.5	1.9	< 1	4.02	1830	< 0.1	0.6	44	0.8	123	< 0.1	0.3	0.645	< 0.05	< 0.1	323	< 0.1	20.3	133	41.5
178543 Orig																					
178543 Dup																					
178551 Orig	0.043	1.3	2.0	< 1	3.73	1960	0.5	0.2	40	0.6	152	< 0.1	0.4	0.668	< 0.05	9.0	336	< 0.1	20.4	133	48.0
178551 Dup	0.042	1.3	2.0	< 1	3.74	1950	0.5	0.1	43	0.6	156	< 0.1	0.3	0.565	< 0.05	8.0	288	< 0.1	20.7	134	45.0
178553 Orig	0.041	0.3	3.7	< 1	3.24	1650	0.9	0.8	40	0.8	143	0.2	0.3	0.670	< 0.05	0.1	330	1.0	18.4	159	45.4
178553 Dup	0.042	0.5	3.8	< 1	3.27	1680	0.9	< 0.1	43	0.5	146	< 0.1	0.3	0.613	< 0.05	0.2	321	1.0	19.5	168	41.0
178246 Orig																					
178246 Dup																					
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: 14-Sep-16
Invoice No.: A16-09326
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

26 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09326**

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

Date Submitted: 14-Sep-16
Invoice No.: A16-09326
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

26 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-09326**

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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

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Results

Activation Laboratories Ltd.

Report: A16-09326

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
178251	< 5	6.95	0.2	< 1	< 100	51	< 1	< 0.1	6.48	< 0.1	13	47.9	62	98.7	1.7	8.11	1.3	0.31	5.0	23.5	2.34	< 0.1	63.6
178252	< 5	7.51	0.1	< 1	< 100	62	< 1	< 0.1	5.24	< 0.1	14	47.2	67	92.2	1.1	8.06	1.7	0.28	5.3	21.0	2.17	0.3	61.9
178253	< 5	7.29	< 0.1	< 1	< 100	89	< 1	< 0.1	7.16	< 0.1	14	44.0	73	109	0.7	7.16	1.5	0.24	5.5	13.1	2.31	0.5	62.6
178254	< 5	7.24	< 0.1	< 1	< 100	62	< 1	< 0.1	7.10	< 0.1	14	47.8	75	116	0.8	8.08	1.5	0.24	5.6	19.1	1.78	1.0	66.8
178255	< 5	7.55	< 0.1	< 1	< 100	75	< 1	< 0.1	6.51	< 0.1	14	49.5	70	125	0.9	8.49	1.6	0.33	5.5	21.3	1.88	0.3	66.2
178256	< 5	7.10	< 0.1	< 1	< 100	88	< 1	0.1	7.86	< 0.1	13	45.9	83	84.7	0.7	8.20	1.6	0.39	5.3	11.2	1.82	0.3	63.6
178257	< 5	6.41	0.3	5	100	99	< 1	0.2	6.59	< 0.1	15	47.5	75	107	0.8	8.44	1.8	0.45	7.3	9.4	2.48	< 0.1	62.1
178258	< 5	6.36	0.2	2	< 100	186	< 1	0.2	7.17	< 0.1	14	45.1	82	99.4	0.7	7.86	1.1	0.32	6.9	7.1	2.68	< 0.1	54.6
178259	< 5	6.64	0.2	2	< 100	190	< 1	0.2	7.60	< 0.1	15	46.2	51	102	0.8	8.03	1.3	0.33	7.1	7.1	2.92	< 0.1	57.6
178260	< 5	6.12	0.2	8	< 100	135	< 1	0.2	7.32	< 0.1	13	44.7	49	131	0.8	8.28	1.5	0.52	6.6	9.3	2.07	0.5	54.6
178261	< 5	6.83	0.1	< 1	< 100	122	< 1	< 0.1	7.01	< 0.1	15	45.6	48	102	0.6	8.45	1.6	0.41	7.4	8.5	2.30	0.1	60.5
178262	< 5	6.65	0.1	< 1	< 100	118	< 1	0.1	7.01	< 0.1	14	48.1	53	101	0.7	8.19	1.8	0.44	6.9	8.5	2.58	0.2	61.6
178263	< 5	6.90	0.1	1	< 100	131	< 1	0.2	6.64	< 0.1	16	48.2	56	133	0.7	8.53	1.5	0.37	7.5	8.6	2.68	< 0.1	57.6
178264	< 5	6.36	0.6	1	< 100	239	< 1	0.1	6.06	< 0.1	13	42.8	64	128	1.3	7.94	1.4	0.66	6.2	11.4	2.87	0.3	57.3
178265	< 5	5.52	0.3	5	< 100	95	< 1	< 0.1	8.03	< 0.1	11	39.1	64	87.1	2.2	7.42	1.7	0.60	5.2	18.0	1.85	3.0	50.0
178266	< 5	5.73	0.3	2	< 100	103	< 1	< 0.1	8.16	< 0.1	12	39.4	63	85.2	2.0	7.79	1.6	0.62	5.6	21.3	1.78	1.7	50.2
178559	< 5	7.28	0.2	18	< 100	403	< 1	0.2	2.18	< 0.1	42	29.5	110	68.0	4.0	5.33	2.8	1.32	23.2	53.3	2.21	< 0.1	87.1
178560	< 5	7.86	0.1	16	< 100	487	1	0.3	1.73	< 0.1	59	21.8	101	64.0	4.5	4.17	4.0	1.62	33.0	40.8	2.53	0.3	68.1
178561	< 5	8.56	0.2	11	< 100	608	2	0.3	1.06	< 0.1	62	26.5	106	64.1	5.3	5.05	2.9	2.19	35.1	47.6	2.46	< 0.1	87.4
178562	< 5	7.59	0.2	16	< 100	514	1	0.2	1.88	0.2	55	22.2	98	49.2	4.7	4.10	3.3	1.77	31.0	37.4	2.52	1.0	68.3
178563	5	8.20	0.2	28	< 100	625	1	0.3	1.22	0.1	57	24.7	118	78.9	5.8	4.39	3.8	2.24	31.6	40.4	2.37	6.2	78.2
178564	5	8.14	0.2	28	< 100	614	1	0.3	2.19	0.1	59	25.1	119	59.4	5.5	4.76	3.8	2.19	33.5	42.9	1.91	7.8	79.9
178565	5	8.24	0.7	29	< 100	617	2	0.3	2.11	0.2	64	25.5	124	60.1	5.5	4.79	3.8	2.18	36.2	42.8	1.98	7.9	79.0
178566	< 5	8.67	0.3	29	< 100	689	1	0.3	1.44	0.1	61	26.5	122	60.5	5.9	5.02	3.7	1.55	34.8	43.8	2.15	2.1	85.8
178567	5	8.79	0.3	19	< 100	644	2	0.3	1.57	< 0.1	58	24.8	108	56.6	5.8	4.84	2.9	2.14	32.8	40.5	2.44	0.4	78.7
178568	< 5	6.37	0.3	16	< 100	587	2	0.2	1.08	0.1	43	23.6	141	51.5	4.9	4.47	3.5	0.81	20.2	38.8	2.15	8.4	76.5

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
178251	0.036	18.3	1.7	< 1	3.55	1750	0.8	< 0.1	36	0.2	79	< 0.1	0.9	0.357	0.12	0.2	195	< 0.1	19.2	90	53.9
178252	0.034	12.0	2.3	< 1	3.59	1650	0.1	< 0.1	38	< 0.1	111	< 0.1	0.9	0.384	0.08	0.2	223	< 0.1	18.3	93	68.7
178253	0.035	8.7	3.4	< 1	2.92	1570	0.1	0.2	38	< 0.1	175	< 0.1	0.8	0.375	0.06	0.2	233	< 0.1	17.5	79	56.9
178254	0.036	8.0	5.0	< 1	3.17	1740	1.5	0.3	39	0.1	180	< 0.1	0.8	0.430	0.07	0.2	241	< 0.1	18.3	90	60.4
178255	0.033	11.6	2.9	< 1	3.26	1740	< 0.1	0.2	39	0.1	169	< 0.1	0.9	0.336	0.09	0.2	218	< 0.1	18.8	96	67.2
178256	0.032	12.1	4.6	< 1	2.86	1720	0.2	0.1	37	< 0.1	242	< 0.1	0.8	0.322	0.11	0.2	235	< 0.1	18.0	89	61.0
178257	0.029	11.4	4.5	< 1	2.71	1610	1.5	0.2	40	< 0.1	196	< 0.1	1.2	0.409	0.14	0.3	218	0.3	18.5	96	68.6
178258	0.030	8.2	4.2	< 1	3.13	1540	0.9	0.2	37	0.2	146	< 0.1	1.0	0.235	0.10	0.3	147	0.2	17.3	86	37.2
178259	0.033	8.3	4.4	< 1	3.29	1650	1.1	0.5	39	0.3	156	< 0.1	1.1	0.292	0.10	0.3	159	0.2	17.8	89	45.0
178260	0.029	16.3	5.4	< 1	3.10	1690	1.5	1.0	38	0.5	160	< 0.1	1.0	0.430	0.15	0.2	203	0.2	17.8	93	56.8
178261	0.032	11.7	5.1	< 1	3.27	1730	1.1	0.3	42	< 0.1	206	< 0.1	1.1	0.364	0.11	0.3	201	< 0.1	18.6	99	56.7
178262	0.031	10.9	4.5	< 1	3.17	1640	1.4	0.2	42	< 0.1	192	< 0.1	1.1	0.404	0.12	0.3	220	< 0.1	17.4	100	67.9
178263	0.036	10.2	5.5	< 1	3.17	1660	3.0	0.2	41	< 0.1	189	< 0.1	1.1	0.456	0.10	0.3	213	< 0.1	18.7	106	58.4
178264	0.031	20.9	5.8	< 1	2.85	1470	3.5	0.3	38	0.4	230	< 0.1	0.9	0.426	0.20	0.2	193	< 0.1	16.7	104	52.9
178265	0.027	23.9	12.8	< 1	2.81	1550	1.8	1.5	33	0.5	104	0.2	1.0	0.471	0.23	0.2	205	1.6	15.2	91	65.0
178266	0.029	29.2	9.0	< 1	2.98	1530	0.8	0.3	35	0.4	63	< 0.1	0.8	0.465	0.28	0.2	219	0.6	15.3	94	63.6
178559	0.046	48.2	12.6	< 1	2.03	714	1.2	< 0.1	17	0.3	278	< 0.1	6.4	0.370	0.37	2.0	105	< 0.1	10.6	91	116
178560	0.062	56.7	18.1	< 1	1.52	591	1.0	0.2	17	0.9	251	< 0.1	10.2	0.335	0.44	3.2	91	< 0.1	12.4	88	161
178561	0.061	71.4	21.6	< 1	1.78	572	0.4	0.2	21	1.0	182	< 0.1	10.3	0.249	0.58	3.1	100	< 0.1	14.0	98	113
178562	0.059	60.6	20.2	< 1	1.48	639	0.7	0.8	16	1.1	246	< 0.1	9.7	0.293	0.49	2.9	83	< 0.1	11.9	89	130
178563	0.065	73.0	18.9	< 1	1.68	527	1.8	2.6	19	1.1	196	0.2	9.5	0.438	0.68	2.8	111	0.5	12.2	95	152
178564	0.071	72.3	22.9	< 1	1.74	697	1.9	4.1	18	1.1	256	0.5	9.9	0.456	0.61	2.8	114	1.3	13.1	95	153
178565	0.071	73.7	23.9	< 1	1.75	685	2.3	4.2	19	1.3	253	0.5	10.3	0.464	0.64	2.9	116	1.5	13.5	94	154
178566	0.069	51.7	19.5	< 1	1.78	623	1.1	0.6	20	1.1	203	< 0.1	10.5	0.371	0.63	3.5	112	< 0.1	13.8	104	149
178567	0.061	72.1	21.8	< 1	1.78	665	0.4	0.7	18	1.2	200	< 0.1	9.7	0.236	0.59	2.8	78	< 0.1	12.9	94	113
178568	0.068	32.1	22.7	< 1	1.72	596	2.4	4.2	13	1.3	154	0.6	7.0	0.454	0.56	2.6	112	1.9	8.8	89	148

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	841																							
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
OREAS 251 (FA-Anaster) Meas	495																							
OREAS 251 (FA-Anaster) Cert	504																							

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
178260 Orig	< 5																						
178260 Dup	< 5																						
178263 Orig		6.93	0.1	1	< 100	129	< 1	0.2	6.50	< 0.1	16	47.5	62	134	0.7	8.45	1.6	0.36	7.4	8.5	2.65	0.2	55.9
178263 Dup		6.88	0.1	1	< 100	133	< 1	0.2	6.79	< 0.1	16	48.8	51	132	0.7	8.60	1.5	0.38	7.6	8.7	2.71	< 0.1	59.3
178562 Orig	< 5																						
178562 Dup	< 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																					
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
OREAS 251 (FA-Anaster) Meas																					
OREAS 251 (FA-Anaster) Cert																					

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	
178260 Orig																						
178260 Dup																						
178263 Orig	0.036	9.8	5.4	< 1	3.10	1650	3.1	0.2	41	< 0.1	189	< 0.1	1.1	0.447	0.10	0.3	211	< 0.1	18.5	106	59.3	
178263 Dup	0.037	10.6	5.6	< 1	3.23	1680	2.9	0.2	41	< 0.1	189	< 0.1	1.1	0.465	0.10	0.3	215	< 0.1	18.9	107	57.5	
178562 Orig																						
178562 Dup																						
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: 15-Sep-16
Invoice No.: A16-09389
Invoice Date: 24-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-09389**

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, somewhat stylized font.

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
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Date Submitted: 15-Sep-16
Invoice No.: A16-09389
Invoice Date: 24-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09389**

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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.
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TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
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Results

Activation Laboratories Ltd.

Report: A16-09389

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
178267	< 5	7.63	0.2	6	< 100	150	< 1	0.2	6.96	< 0.1	15	49.9	65	130	1.0	8.80	1.6	0.72	5.8	15.3	3.07	0.2	73.3
178268	3310	7.09	0.5	12	> 2000	653	< 1	0.4	2.88	0.4	23	14.9	64	83.2	0.9	5.26	0.8	0.97	9.9	15.5	2.45	< 0.1	50.9
178269	< 5	7.67	0.1	3	< 100	106	< 1	0.1	5.25	< 0.1	15	51.5	62	134	0.7	8.11	1.1	0.41	5.7	9.1	4.16	< 0.1	73.1
178270	< 5	7.70	< 0.1	< 1	< 100	152	< 1	0.1	6.55	< 0.1	16	50.4	69	116	0.8	8.88	1.8	0.75	6.0	8.8	3.99	< 0.1	73.9
178271	< 5	7.82	< 0.1	2	100	151	< 1	0.1	7.37	< 0.1	15	53.3	69	128	1.0	8.97	1.1	0.81	5.9	13.1	3.07	< 0.1	77.5
178272	< 5	7.33	0.4	3	< 100	202	< 1	< 0.1	3.87	< 0.1	14	48.6	63	97.2	1.7	8.15	0.8	1.21	5.4	18.5	2.74	< 0.1	68.2
178273	< 5	7.60	0.2	2	< 100	136	< 1	< 0.1	6.57	< 0.1	15	49.1	69	129	1.3	8.12	1.5	0.70	5.8	20.6	2.81	< 0.1	69.5
178274	< 5	7.08	< 0.1	3	< 100	137	< 1	< 0.1	5.47	< 0.1	14	45.5	75	127	1.4	7.76	1.7	0.76	5.5	20.4	2.23	0.2	65.6
178275	< 5	7.61	0.2	5	< 100	187	< 1	< 0.1	3.71	0.1	14	51.4	90	139	1.8	8.37	2.2	0.98	5.1	25.7	2.18	3.9	71.2
178276	< 5	11.8	0.4	1	< 100	11	< 1	< 0.1	0.18	< 0.1	2	< 0.2	8	2.6	0.5	0.12	0.2	3.43	0.8	22.8	8.87	< 0.1	< 0.1
178277	< 5	7.43	0.2	< 1	< 100	237	< 1	< 0.1	4.75	< 0.1	13	51.8	65	104	1.3	9.83	1.8	0.86	5.0	23.5	2.52	0.3	83.8
178278	< 5	7.46	0.2	2	< 100	129	< 1	0.1	6.63	< 0.1	6	48.9	87	235	1.5	7.46	1.0	0.39	2.3	26.2	2.54	1.7	165
178279	< 5	7.48	0.1	2	100	345	< 1	< 0.1	6.95	< 0.1	5	52.3	95	149	2.8	7.63	0.9	0.77	1.9	30.3	1.72	1.6	182
178280	< 5	7.14	0.1	3	< 100	418	< 1	0.1	7.52	< 0.1	6	49.5	93	196	4.3	7.42	0.9	1.00	2.0	31.5	1.12	0.9	178
178281	< 5	6.99	< 0.1	3	< 100	219	< 1	0.3	9.96	0.1	5	42.9	80	169	6.9	6.33	0.7	1.41	2.1	27.4	1.18	1.3	193
178282	7	6.75	0.2	4	< 100	126	< 1	0.2	5.33	0.1	27	57.3	12	296	11.3	11.4	3.5	1.96	10.7	23.8	1.42	0.4	35.4
178283	< 5	7.75	< 0.1	4	200	72	< 1	< 0.1	5.92	< 0.1	10	57.5	28	231	5.4	9.91	1.2	0.77	3.4	34.9	2.41	0.4	85.6
178284	339	8.20	< 0.1	147	1300	531	< 1	0.1	3.84	0.2	20	14.5	32	56.5	0.6	4.75	0.8	0.85	8.3	7.2	2.60	< 0.1	27.5
178285	< 5	5.92	0.4	2	< 100	965	< 1	< 0.1	6.86	< 0.1	6	59.7	39	293	1.8	8.21	0.9	0.22	2.1	27.0	1.76	0.6	144
178286	< 5	5.74	0.2	4	< 100	40	< 1	< 0.1	5.04	0.1	5	82.8	40	101	1.4	9.47	0.7	0.12	1.7	32.4	0.565	2.0	245
178287	< 5	6.18	0.2	7	< 100	80	< 1	< 0.1	4.78	0.1	18	63.3	24	147	7.0	10.3	1.8	1.41	6.9	25.0	0.594	< 0.1	113
178288	< 5	6.25	0.3	5	< 100	86	< 1	< 0.1	3.37	0.2	27	47.7	8	185	9.9	10.7	2.7	2.28	10.6	16.4	0.389	< 0.1	20.7
178289	42	6.07	0.6	8	< 100	98	< 1	0.5	5.13	0.2	24	50.1	20	170	12.8	11.1	3.2	2.89	9.3	8.3	0.547	0.8	34.9
178290	< 5	7.31	0.2	3	< 100	147	< 1	< 0.1	6.77	< 0.1	14	50.3	17	217	1.7	8.51	2.1	0.95	5.3	14.0	3.38	3.4	59.6
178291	< 5	7.66	0.2	8	< 100	147	< 1	< 0.1	6.54	< 0.1	18	52.7	11	152	1.1	8.97	1.9	0.82	7.2	14.1	2.54	0.7	53.8
178292	< 5	7.19	< 0.1	4	< 100	140	< 1	< 0.1	6.40	< 0.1	17	51.6	21	151	1.2	8.63	1.9	0.78	6.8	13.7	2.44	0.5	52.3
178293	< 5	7.61	0.5	1	< 100	662	< 1	< 0.1	4.55	< 0.1	17	52.4	16	116	2.0	9.17	2.1	2.15	6.4	19.8	1.52	1.2	53.1
178294	5	7.59	0.2	2	< 100	334	< 1	< 0.1	6.65	< 0.1	17	47.5	11	102	1.4	8.87	1.9	1.09	6.8	13.0	2.04	1.5	48.6
178569	< 5	8.92	< 0.1	16	< 100	671	2	0.3	1.94	0.2	62	22.6	87	63.7	4.3	4.06	3.4	2.11	29.1	35.1	2.43	0.1	80.6
178570	< 5	8.12	0.1	23	< 100	581	1	0.3	1.73	0.2	54	22.3	153	63.9	3.6	3.99	4.5	1.86	22.3	33.5	2.69	8.5	78.9
178571	< 5	8.44	< 0.1	31	< 100	608	1	0.3	1.59	0.1	62	21.3	146	63.1	3.7	4.04	4.4	1.88	29.2	32.2	2.44	2.3	78.0
178572	15	9.17	< 0.1	254	< 100	626	1	0.3	1.82	< 0.1	68	22.5	115	70.7	4.3	4.34	4.4	2.19	32.2	40.0	2.21	0.3	81.2
178573	< 5	9.73	< 0.1	32	< 100	679	2	0.3	1.63	< 0.1	63	26.2	109	68.3	4.6	4.84	3.7	2.44	29.8	48.6	1.94	0.3	97.8
178574	3440	7.57	0.8	13	> 2000	621	< 1	0.3	3.02	0.4	22	14.9	62	81.2	0.9	5.25	0.9	0.98	9.5	15.2	2.52	< 0.1	48.9

Results

Activation Laboratories Ltd.

Report: A16-09389

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
178267	0.032	22.8	10.2	< 1	2.75	1500	1.7	0.2	41	0.7	126	< 0.1	1.2	0.444	0.20	0.5	193	1.3	18.4	121	64.0	
178268	0.063	22.2	18.9	< 1	1.40	781	0.8	1.2	18	1.1	247	< 0.1	2.1	0.203	0.26	0.9	80	0.9	15.9	123	32.2	
178269	0.031	11.7	10.1	< 1	2.57	1520	0.3	0.3	42	0.6	116	< 0.1	1.1	0.269	0.10	0.2	148	0.9	19.5	111	44.7	
178270	0.029	21.2	7.2	< 1	2.50	1770	< 0.1	< 0.1	43	< 0.1	157	< 0.1	1.0	0.339	0.18	0.2	218	1.0	19.9	115	78.5	
178271	0.033	24.1	7.5	< 1	3.17	1760	0.2	0.2	42	0.5	164	< 0.1	1.0	0.324	0.22	0.2	165	0.9	19.5	122	42.7	
178272	0.037	38.9	4.9	< 1	3.05	1480	0.3	< 0.1	38	0.3	88	< 0.1	0.9	0.230	0.35	0.5	137	0.8	16.3	115	32.5	
178273	0.030	21.5	3.3	< 1	3.24	1480	0.6	< 0.1	41	< 0.1	99	< 0.1	1.0	0.367	0.20	0.2	181	0.8	18.2	116	58.1	
178274	0.029	23.0	3.6	< 1	3.90	1440	0.5	0.3	37	0.2	95	< 0.1	0.9	0.438	0.21	0.2	202	0.7	17.3	129	69.7	
178275	0.035	23.9	3.6	< 1	4.70	1530	0.9	2.1	39	0.8	101	0.3	1.3	0.574	0.41	0.2	235	2.6	17.5	145	81.4	
178276	< 0.001	42.5	4.7	< 1	0.02	26	0.5	0.2	< 1	0.2	14	< 0.1	0.2	< 0.001	0.80	< 0.1	4	0.4	1.3	< 1	12.8	
178277	0.028	24.7	3.1	< 1	4.35	1350	0.6	0.1	39	0.2	103	< 0.1	0.9	0.426	0.26	0.2	214	0.6	17.2	125	76.8	
178278	0.021	11.9	2.1	< 1	4.46	1420	2.7	0.8	35	0.5	92	0.1	0.2	0.464	0.11	< 0.1	230	1.9	11.7	169	37.5	
178279	0.021	33.4	2.3	< 1	4.96	1400	0.8	0.6	36	0.4	89	< 0.1	0.2	0.443	0.28	< 0.1	197	1.3	12.3	118	37.8	
178280	0.018	51.7	3.6	< 1	4.71	1400	0.2	0.5	33	0.3	79	< 0.1	0.1	0.406	0.42	< 0.1	178	0.8	11.8	127	35.1	
178281	0.014	78.2	4.7	< 1	3.90	1540	1.9	1.4	28	0.4	133	< 0.1	< 0.1	0.354	0.59	< 0.1	172	5.5	8.9	190	29.7	
178282	0.050	127	5.2	1	1.90	1210	0.5	0.5	39	1.1	78	< 0.1	1.9	0.626	1.01	0.5	278	0.7	17.2	239	148	
178283	0.032	56.0	3.3	< 1	3.73	1430	0.2	0.5	42	0.5	97	< 0.1	0.3	0.550	0.40	0.9	239	0.5	10.2	219	51.5	
178284	0.047	16.9	13.7	< 1	1.34	891	0.7	0.4	21	0.9	262	< 0.1	1.9	0.220	0.14	0.7	85	0.3	17.0	77	25.7	
178285	0.021	13.1	3.9	< 1	4.53	1580	1.2	0.2	29	0.3	145	< 0.1	0.2	0.416	0.09	< 0.1	188	0.5	7.2	148	39.3	
178286	0.018	8.1	2.4	< 1	6.58	1560	0.3	0.9	28	0.5	83	0.2	0.3	0.369	0.05	< 0.1	150	1.5	6.1	124	30.7	
178287	0.040	89.4	5.3	< 1	3.52	1400	< 0.1	< 0.1	33	0.1	71	< 0.1	1.2	0.329	0.75	0.3	174	0.5	11.9	174	78.5	
178288	0.052	134	5.9	< 1	1.97	1190	< 0.1	0.2	38	1.0	50	< 0.1	1.8	0.443	1.16	0.5	236	0.3	16.7	192	110	
178289	0.047	187	11.3	3	1.97	1570	4.4	0.5	36	0.9	81	< 0.1	1.6	0.538	1.48	0.4	254	0.6	17.8	159	137	
178290	0.035	29.2	2.3	< 1	2.51	1510	0.9	0.3	38	0.9	122	0.2	1.1	0.602	0.28	0.3	246	1.2	18.4	152	85.6	
178291	0.036	23.6	3.6	< 1	2.52	1570	1.9	0.6	40	0.9	156	< 0.1	1.2	0.569	0.23	0.3	234	0.6	20.2	141	77.5	
178292	0.033	22.8	3.3	< 1	2.45	1520	1.3	0.4	39	0.9	150	< 0.1	1.2	0.553	0.22	0.3	229	0.4	19.1	136	76.4	
178293	0.033	57.3	2.5	< 1	3.85	1580	0.4	0.2	41	0.2	166	< 0.1	1.2	0.519	0.59	0.2	222	0.5	18.8	133	83.4	
178294	0.034	31.0	3.6	< 1	3.23	1450	2.1	0.1	39	0.3	173	< 0.1	1.2	0.542	0.30	0.3	240	0.4	19.4	120	80.8	
178569	0.055	70.7	22.9	< 1	1.47	699	0.7	0.4	16	1.1	200	< 0.1	11.9	0.331	0.56	3.4	91	0.2	13.1	104	140	
178570	0.056	52.3	25.3	< 1	1.35	664	1.9	4.2	14	1.3	209	0.7	9.5	0.419	0.49	3.3	94	2.5	11.5	113	204	
178571	0.055	61.8	22.0	< 1	1.35	543	1.6	1.6	15	1.2	216	< 0.1	11.7	0.389	0.50	3.7	91	0.6	11.8	101	199	
178572	0.062	69.5	21.0	< 1	1.47	571	0.4	3.6	17	1.4	275	< 0.1	13.5	0.350	0.57	4.0	86	0.2	13.5	100	173	
178573	0.060	77.4	20.1	< 1	1.69	618	0.8	0.7	21	1.2	208	< 0.1	11.2	0.372	0.64	3.2	111	0.3	14.2	129	160	
178574	0.064	22.1	18.7	< 1	1.45	826	0.9	2.2	20	1.2	243	< 0.1	2.2	0.238	0.26	0.9	90	0.2	15.8	123	37.7	

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		2.17	35.8	495	> 2000	751	< 1	1390	0.97	3.0	15	8.9	14	1320	2.4	25.9	0.2	0.04	6.8	7.1	0.044	0.6	48.4	
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		6.24	3.7	98	800	96	2	19.0	0.85	0.4	95	12.8	58	6030	2.0	2.63	1.3	2.62	45.3	10.3	0.502	8.6	39.0	
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		8.85		< 1		689	3		1.03		84	18.8	42	36.5	3.4	4.79	1.1	2.61	35.5	34.4	1.66	0.4	39.4	
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		15.1	< 0.1	222	100	1560	1	0.2	0.19	< 0.1	31	12.4	44	71.3	3.2	4.92	2.1	1.61	10.2	36.7	0.108	0.2	25.0	
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						110					56.4	159	109							3.2	4.2		1.6	292
DNC-1a Cert						118						57	270	100						3.6	5.2		3	247
OREAS 203 Meas	839																							
OREAS 203 Cert	871.000																							
SBC-1 Meas				27		427	3	0.7		0.4	97	22.8	74	38.7	6.7		3.5		41.9	155		13.2	95.7	
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		7.69		10		187	< 1	0.3	0.16		33	27.8	411	378	2.9	13.0	1.6	0.35	13.6	18.8	0.091	0.2	239	
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						1040	7	1.1		5.0	89	13.3	33	265	1.5		1.8		38.1	17.6		1.9	55.2	
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	
OREAS 251(FA-Anaster) Meas	524																							
OREAS 251(FA-Anaster) Cert	504																							
178267 Orig		7.64	0.3	8	< 100	151	< 1	0.2	6.85	< 0.1	15	49.6	64	129	1.0	8.68	1.7	0.71	5.8	15.5	3.07	0.3	72.7	
178267 Dup		7.63	0.1	3	< 100	149	< 1	0.2	7.08	< 0.1	15	50.3	65	132	1.0	8.92	1.5	0.73	5.8	15.1	3.06	0.2	73.9	
178276 Orig	< 5																							
178276 Dup	< 5																							
178286 Orig	< 5																							
178286 Dup	< 5																							
178570 Orig	< 5																							
178570 Dup	< 5																							
Method Blank	< 5																							
Method Blank	< 5																							
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	9	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	0.059	2.4	734	< 1	0.20	896	22.1	22.0	1	26.8	272	< 0.1	2.7	0.031	0.40	32.0	79	125	29.0	951	15.5	
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													830			2200						
DH-1a Cert													910			2629						
GXR-4 Meas	0.116	83.5	49.6	2	1.54	135	330	4.2	7	6.3	155	0.5	17.9	0.293	3.13	5.4	71	36.0	11.1	74	42.1	
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	
SDC-1 Meas	0.055	94.5	25.9		1.02	808		< 0.1	16	0.5	144	< 0.1	15.9	0.149	0.66	2.8	35	0.1		118	42.9	
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	0.030	57.4	96.3	< 1	0.57	865	< 0.1	< 0.1	25	0.3	36	< 0.1	5.2		2.06	1.3	97	< 0.1	10.4	142	75.6	
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	
DNC-1a Meas		2.8	6.2						0.1	32			114		0.328				131	14.5	77	45.7
DNC-1a Cert		5	6.3					0.96	31				144		0.29				148	18.0	70	38.0
OREAS 203 Meas																						
OREAS 203 Cert																						
SBC-1 Meas		107	35.8				2.2	1.0	21	3.2	147	0.4	15.6	0.547	0.91	5.5	196	1.7	28.1	234	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	0.030	31.0	21.2	< 1	0.21	422	0.8	< 0.1	48	0.6	25	< 0.1	14.3	0.157	0.23	2.7	72	0.5	9.5	46	67.8	
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	
SdAR-M2 (U.S.G.S.) Meas		82.1	773				11.9		4		115	< 0.1	13.8			2.4	23	< 0.1	22.2	885	86.1	
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																						
178267 Orig	0.032	22.6	10.2	< 1	2.76	1490	2.0	0.2	40	0.7	125	< 0.1	1.2	0.449	0.20	0.2	194	1.3	18.1	118	64.2	
178267 Dup	0.033	23.0	10.2	< 1	2.74	1510	1.5	0.3	42	0.7	127	< 0.1	1.2	0.438	0.20	0.7	191	1.2	18.7	124	63.8	
178276 Orig																						
178276 Dup																						
178286 Orig																						
178286 Dup																						
178570 Orig																						
178570 Dup																						
Method Blank																						
Method Blank																						
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	5	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	



Date Submitted: 15-Sep-16
Invoice No.: A16-09391
Invoice Date: 07-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

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09391**

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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



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

CERTIFIED BY:

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

Emmanuel Esemé , Ph.D.
Quality Control

Date Submitted: 15-Sep-16
Invoice No.: A16-09391
Invoice Date: 07-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

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-09391**

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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

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Results

Activation Laboratories Ltd.

Report: A16-09391

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
178575	< 5	8.97	0.2	34	< 100	576	1	0.3	1.93	0.1	60	23.6	118	66.1	4.5	4.26	3.9	2.30	28.3	32.8	2.13	2.8	85.9
178576	48	9.50	0.5	778	100	783	2	0.3	1.58	< 0.1	62	24.7	121	66.4	7.1	4.47	4.0	3.48	29.0	6.7	1.41	8.7	89.2
178577	< 5	9.12	0.3	69	< 100	723	1	0.3	2.16	0.1	60	22.3	126	57.2	5.6	4.43	3.5	2.72	27.3	17.0	2.19	7.2	85.8
178578	< 5	9.28	0.1	60	300	815	2	0.3	1.89	< 0.1	61	23.0	126	70.3	5.2	4.49	3.7	2.68	28.2	21.6	2.39	4.7	89.3
178579	5	8.43	< 0.1	104	< 100	718	1	0.2	2.48	< 0.1	52	19.4	174	55.4	4.3	3.96	3.3	2.29	24.0	13.3	2.55	5.5	71.9
178580	5	8.60	< 0.1	46	< 100	610	1	0.3	2.24	< 0.1	55	19.2	93	48.8	3.2	3.99	3.3	1.65	25.3	28.5	3.24	0.3	70.3
178581	5	8.75	< 0.1	48	< 100	639	1	0.3	2.14	< 0.1	65	23.8	121	63.9	3.5	4.95	4.7	1.73	30.7	37.3	2.87	6.9	75.7
178582	< 5	13.1	< 0.1	2	< 100	15	< 1	< 0.1	0.20	< 0.1	2	< 0.2	4	4.6	0.6	0.13	0.3	4.12	1.1	24.7	9.49	0.5	0.2
178583	< 5	9.19	0.1	23	100	565	1	0.3	2.04	< 0.1	59	21.1	115	54.7	3.1	4.24	4.0	1.43	27.8	37.8	3.76	6.3	72.4
178584	< 5	9.25	< 0.1	31	< 100	688	2	0.3	2.09	< 0.1	57	21.3	117	94.3	4.2	4.30	3.8	2.05	26.1	38.4	2.57	6.2	82.5
178585	< 5	8.93	< 0.1	26	< 100	617	1	0.3	2.59	< 0.1	56	19.8	103	51.1	3.7	4.08	3.6	1.89	26.4	35.6	2.80	2.8	75.9
178586	< 5	9.61	< 0.1	30	< 100	690	2	0.3	1.91	< 0.1	63	22.8	118	137	4.4	4.48	3.8	2.30	28.9	42.7	2.46	2.5	89.0
178587	< 5	9.41	< 0.1	73	200	963	2	0.3	1.95	< 0.1	56	22.2	101	52.3	6.5	4.05	3.3	3.25	25.9	12.2	1.39	0.5	85.4
178588	16	7.62	< 0.1	136	< 100	721	1	0.2	1.80	< 0.1	46	19.1	146	45.5	5.3	3.83	3.3	2.55	18.3	10.7	2.03	6.1	73.0
178589	8	8.44	< 0.1	118	< 100	741	1	0.3	2.06	< 0.1	57	22.4	126	61.7	5.5	4.36	3.7	2.76	26.8	15.1	1.70	6.2	83.0
178590	429	8.70	0.4	153	800	521	< 1	< 0.1	4.02	0.2	20	14.6	33	55.6	0.6	4.87	0.9	0.88	8.3	7.3	2.71	0.2	27.6
178591	< 5	8.59	0.2	63	< 100	556	1	0.3	2.30	< 0.1	62	23.9	125	62.0	3.5	4.29	4.8	1.85	28.9	31.1	2.64	4.5	76.4
178592	6	9.14	0.1	112	< 100	725	1	0.3	1.91	< 0.1	62	23.1	115	61.3	5.4	4.86	4.5	2.77	28.8	15.5	1.94	7.6	73.9
178593	< 5	8.45	< 0.1	137	< 100	703	1	0.3	2.42	0.2	48	23.6	94	80.4	5.3	4.41	3.4	2.68	22.0	9.7	1.89	5.8	69.8
178594	< 5	8.01	< 0.1	79	< 100	536	1	0.3	2.33	< 0.1	56	22.5	108	62.0	3.8	3.73	3.9	1.97	26.5	13.3	2.51	5.0	68.6
178595	< 5	9.11	0.2	150	< 100	715	2	0.3	1.88	< 0.1	59	25.5	105	66.4	5.9	4.95	4.0	3.01	27.5	10.7	1.74	7.8	87.9
178596	< 5	8.74	0.1	64	< 100	707	2	0.3	1.75	< 0.1	61	23.9	104	70.7	5.1	4.57	4.1	2.68	28.3	23.6	1.75	6.5	81.6
178597	< 5	9.61	0.1	39	< 100	720	2	0.3	1.57	< 0.1	61	26.0	102	64.4	4.9	4.62	3.9	2.51	28.2	40.0	1.83	7.8	87.9
178598	< 5	8.46	0.4	19	< 100	594	1	0.3	1.76	0.1	55	21.5	132	56.9	3.8	4.20	3.7	1.95	25.1	34.2	2.34	2.9	76.8
178599	< 5	8.84	0.2	22	< 100	613	1	0.3	1.87	< 0.1	57	23.2	107	61.0	3.9	4.27	3.7	2.04	26.3	34.7	2.36	5.6	78.3
178600	< 5	8.31	0.2	22	< 100	536	1	0.4	1.50	< 0.1	69	22.5	110	68.7	3.4	4.11	5.4	1.66	32.2	33.4	2.79	7.8	71.2
178601	< 5	8.47	0.1	42	< 100	660	1	0.3	1.80	0.1	61	24.8	118	65.4	4.4	5.55	4.2	2.36	28.7	25.9	1.96	7.2	79.8
178602	< 5	7.74	< 0.1	30	< 100	597	1	0.3	1.85	< 0.1	52	22.0	101	56.8	3.9	5.96	3.6	2.00	24.2	30.3	1.82	6.5	71.7
178603	< 5	9.37	< 0.1	27	< 100	684	1	0.3	1.77	< 0.1	63	25.2	107	70.2	4.4	4.51	4.3	2.24	29.6	38.1	2.27	5.2	83.8
178604	< 5	7.87	< 0.1	26	< 100	553	1	0.3	1.65	0.1	54	20.2	83	54.3	3.5	3.80	3.6	1.96	24.9	28.9	2.06	6.7	66.8
178605	< 5	8.69	< 0.1	28	< 100	577	1	0.3	1.53	0.2	56	23.6	93	66.6	3.4	4.21	4.0	1.87	26.4	35.1	2.54	6.7	73.5
178606	< 5	9.00	< 0.1	26	< 100	657	2	0.3	1.60	< 0.1	61	23.7	103	63.9	4.3	4.15	4.3	2.20	28.3	37.9	2.30	5.5	83.0
178607	< 5	8.69	0.3	12	< 100	568	1	0.3	1.25	< 0.1	62	23.5	144	68.0	3.5	4.12	4.0	1.80	29.2	39.1	2.74	0.2	82.0
178608	3700	6.91	0.5	12	> 2000	571	< 1	0.4	2.74	0.3	20	13.3	62	72.9	0.8	4.77	1.2	0.91	8.5	14.6	2.32	0.2	44.8

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
178575	0.054	73.8	16.2	< 1	1.47	656	1.3	2.3	17	1.3	250	< 0.1	11.0	0.377	0.61	3.1	100	0.4	13.0	120	168
178576	0.061	109	13.3	< 1	1.48	645	2.0	8.3	19	1.4	239	0.6	10.8	0.448	0.93	3.1	112	3.6	13.7	84	175
178577	0.069	88.4	14.1	< 1	1.69	657	2.6	7.1	18	1.2	287	0.5	9.7	0.399	0.74	2.7	105	1.6	11.1	103	151
178578	0.069	83.7	13.0	< 1	1.67	548	2.7	4.1	18	1.2	295	0.1	10.2	0.403	0.68	2.9	107	0.8	11.1	87	155
178579	0.065	70.4	15.6	< 1	1.63	594	2.7	2.8	16	1.1	396	< 0.1	8.4	0.351	0.57	2.4	92	1.8	9.6	77	139
178580	0.069	53.4	13.9	< 1	1.60	513	1.3	2.0	14	1.0	356	< 0.1	9.0	0.304	0.41	2.7	77	0.3	10.2	92	139
178581	0.078	56.6	17.6	< 1	1.87	555	2.7	5.0	17	1.4	324	0.3	11.4	0.442	0.45	3.5	115	1.9	11.1	108	200
178582	0.001	50.2	5.5	< 1	0.02	32	< 0.1	0.2	< 1	0.3	24	< 0.1	0.4	0.001	0.68	< 0.1	< 4	0.3	1.8	4	18.2
178583	0.076	48.7	20.1	< 1	1.78	551	1.7	6.6	15	1.2	356	0.3	9.3	0.395	0.38	2.8	98	1.2	11.1	106	173
178584	0.074	69.5	15.9	< 1	1.72	591	3.5	5.2	16	1.3	337	0.3	9.3	0.378	0.55	2.7	95	1.3	11.6	84	156
178585	0.070	63.1	15.7	< 1	1.84	670	1.6	5.6	16	1.2	426	< 0.1	9.5	0.357	0.50	2.7	93	0.5	11.4	84	154
178586	0.074	74.9	10.2	< 1	1.87	519	1.8	2.7	17	1.3	265	< 0.1	10.5	0.386	0.60	3.0	101	0.4	12.0	100	161
178587	0.067	102	10.1	< 1	1.72	522	0.7	2.5	17	1.3	301	< 0.1	9.7	0.311	0.89	2.7	88	0.1	11.0	47	137
178588	0.062	74.4	8.1	< 1	1.43	548	1.4	5.2	14	1.1	266	0.4	7.0	0.358	0.66	2.2	88	2.2	8.5	35	141
178589	0.061	85.6	11.7	< 1	1.63	627	1.8	3.6	17	1.3	286	0.2	10.0	0.404	0.76	3.0	97	2.0	11.7	52	162
178590	0.050	17.3	14.3	< 1	1.40	921	0.9	0.6	23	0.8	274	< 0.1	2.0	0.245	0.13	0.7	93	0.2	17.6	77	28.5
178591	0.068	58.1	11.2	< 1	1.80	692	1.5	3.7	17	1.3	295	< 0.1	12.1	0.395	0.53	3.8	95	0.7	12.1	95	204
178592	0.060	85.6	11.6	< 1	1.63	687	1.9	3.8	17	1.2	302	0.5	11.5	0.388	1.14	3.4	98	1.8	13.5	64	192
178593	0.050	81.2	37.4	1	1.33	794	1.7	4.9	17	1.2	262	0.4	8.2	0.360	1.15	2.4	98	1.4	10.8	75	141
178594	0.050	62.0	16.5	< 1	1.21	681	1.6	3.8	15	1.1	272	< 0.1	10.3	0.368	0.88	3.0	87	0.8	11.3	62	171
178595	0.058	91.0	15.3	< 1	1.44	697	2.6	5.4	18	1.5	263	0.5	11.2	0.408	1.20	3.2	107	2.5	13.8	53	170
178596	0.059	79.9	11.5	< 1	1.54	652	1.8	3.6	17	1.2	226	0.2	11.5	0.405	0.95	3.4	101	1.5	13.1	76	170
178597	0.060	77.5	13.6	< 1	1.57	542	2.1	4.4	19	1.5	204	0.4	10.9	0.447	0.89	3.1	115	1.6	13.6	104	169
178598	0.054	58.2	12.4	< 1	1.55	613	1.5	0.8	16	1.3	229	< 0.1	10.2	0.351	0.66	3.0	88	0.4	11.8	102	155
178599	0.055	63.6	13.0	< 1	1.58	632	1.9	1.9	17	1.3	251	< 0.1	10.3	0.381	0.69	3.0	96	0.8	12.6	104	156
178600	0.059	53.6	14.3	< 1	1.37	486	1.8	4.0	14	1.4	229	0.4	14.1	0.410	0.59	14.1	88	1.5	12.4	112	241
178601	0.059	71.6	28.1	< 1	1.42	708	2.1	5.7	16	1.3	224	0.4	11.8	0.397	0.87	3.5	98	1.1	12.5	83	174
178602	0.056	63.0	15.0	< 1	1.32	733	1.6	3.2	16	1.2	216	0.3	9.6	0.361	0.75	2.9	90	1.2	11.6	84	158
178603	0.059	71.6	14.6	< 1	1.49	603	1.9	3.4	18	1.6	221	< 0.1	12.1	0.418	0.83	3.5	105	0.8	13.2	100	181
178604	0.049	59.4	12.3	< 1	1.27	582	1.6	4.3	14	1.1	192	0.4	10.2	0.355	0.68	2.9	84	1.5	11.4	98	153
178605	0.051	60.7	17.8	< 1	1.35	554	1.6	4.1	16	1.2	192	0.2	11.1	0.395	0.67	3.3	92	1.3	12.3	115	169
178606	0.060	69.7	13.0	< 1	1.42	588	1.5	3.0	17	1.3	192	0.1	11.7	0.408	0.74	3.5	98	1.0	12.9	100	176
178607	0.055	58.1	13.9	< 1	1.49	476	0.5	0.8	16	1.2	179	< 0.1	11.9	0.293	0.58	3.6	73	0.2	12.2	108	159
178608	0.061	20.0	18.1	< 1	1.35	734	1.7	0.5	18	0.7	223	< 0.1	2.1	0.290	0.26	0.8	102	0.2	14.5	112	46.4

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		2.17	35.8	495	> 2000	751	< 1	1390	0.97	3.0	15	8.9	14	1320	2.4	25.9	0.2	0.04	6.8	7.1	0.044	0.6	48.4
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		6.24	3.7	98	800	96	2	19.0	0.85	0.4	95	12.8	58	6030	2.0	2.63	1.3	2.62	45.3	10.3	0.502	8.6	39.0
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		8.85		< 1		689	3		1.03		84	18.8	42	36.5	3.4	4.79	1.1	2.61	35.5	34.4	1.66	0.4	39.4
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		15.1	< 0.1	222	100	1560	1	0.2	0.19	< 0.1	31	12.4	44	71.3	3.2	4.92	2.1	1.61	10.2	36.7	0.108	0.2	25.0
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						110						56.4	159	109					3.2	4.2		1.6	292
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
OREAS203 Meas	873																						
OREAS203 Cert	871.000																						
SBC-1 Meas				27		427	3	0.7		0.4	97	22.8	74	38.7	6.7		3.5		41.9	155		13.2	95.7
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		7.69		10		187	< 1	0.3	0.16		33	27.8	411	378	2.9	13.0	1.6	0.35	13.6	18.8	0.091	0.2	239
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						1040	7	1.1		5.0	89	13.3	33	265	1.5		1.8		38.1	17.6		1.9	55.2
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
OREAS 251 (FA-Anaster) Meas	530																						
OREAS 251 (FA-Anaster) Cert	504																						
178579 Orig		8.64	0.1	107	< 100	729	2	0.2	2.48	< 0.1	53	19.6	176	58.3	4.3	4.04	3.4	2.30	24.3	13.6	2.65	5.5	72.2
178579 Dup		8.22	< 0.1	100	< 100	707	1	0.2	2.47	< 0.1	52	19.2	172	52.5	4.2	3.89	3.1	2.27	23.8	13.1	2.46	5.4	71.5
178581 Orig		8.59	< 0.1	47	< 100	641	1	0.3	2.11	< 0.1	66	23.4	120	68.2	3.4	4.91	4.6	1.71	30.9	37.1	2.80	6.4	74.8
178581 Dup		8.92	0.4	49	< 100	638	1	0.3	2.18	< 0.1	65	24.3	122	59.5	3.5	4.98	4.7	1.75	30.5	37.5	2.95	7.4	76.6
178584 Orig	< 5																						
178584 Dup	< 5																						
178594 Orig	< 5																						
178594 Dup	< 5																						
178604 Orig	< 5																						
178604 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 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
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	9	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	0.059	2.4	734	< 1	0.20	896	22.1	22.0	1	26.8	272	< 0.1	2.7	0.031	0.40	32.0	79	125	29.0	951	15.5
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													830			2200					
DH-1a Cert													910			2629					
GXR-4 Meas	0.116	83.5	49.6	2	1.54	135	330	4.2	7	6.3	155	0.5	17.9	0.293	3.13	5.4	71	36.0	11.1	74	42.1
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
SDC-1 Meas	0.055	94.5	25.9		1.02	808		< 0.1	16	0.5	144	< 0.1	15.9	0.149	0.66	2.8	35	0.1		118	42.9
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	0.030	57.4	96.3	< 1	0.57	865	< 0.1	< 0.1	25	0.3	36	< 0.1	5.2		2.06	1.3	97	< 0.1	10.4	142	75.6
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
DNC-1a Meas		2.8	6.2					0.1	32		114			0.328			131		14.5	77	45.7
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
OREAS203 Meas																					
OREAS203 Cert																					
SBC-1 Meas		107	35.8				2.2	1.0	21	3.2	147	0.4	15.6	0.547	0.91	5.5	196	1.7	28.1	234	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	0.030	31.0	21.2	< 1	0.21	422	0.8	< 0.1	48	0.6	25	< 0.1	14.3	0.157	0.23	2.7	72	0.5	9.5	46	67.8
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
SdAR-M2 (U.S.G.S.) Meas		82.1	773				11.9		4		115	< 0.1	13.8			2.4	23	< 0.1	22.2	885	86.1
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																					
178579 Orig	0.066	71.5	15.7	< 1	1.64	610	2.9	2.7	16	1.1	406	0.2	8.6	0.366	0.59	2.5	95	1.8	9.7	77	146
178579 Dup	0.063	69.3	15.5	< 1	1.61	577	2.5	3.0	15	1.1	387	< 0.1	8.1	0.337	0.56	2.4	89	1.8	9.5	77	133
178581 Orig	0.079	56.1	17.3	< 1	1.86	543	3.1	4.7	17	1.4	324	0.2	11.6	0.439	0.44	3.5	114	1.5	11.1	106	200
178581 Dup	0.078	57.2	18.0	< 1	1.89	566	2.3	5.2	17	1.4	323	0.5	11.1	0.445	0.45	3.5	116	2.2	11.0	110	200
178584 Orig																					
178584 Dup																					
178594 Orig																					
178594 Dup																					
178604 Orig																					
178604 Dup																					
Method Blank																					
Method Blank																					
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	5	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



Date Submitted: 16-Sep-16
Invoice No.: A16-09455
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

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-09455**

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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, somewhat stylized font.

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: 16-Sep-16
Invoice No.: A16-09455
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

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09455**

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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



ACTIVATION LABORATORIES LTD.
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CERTIFIED BY:

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

Emmanuel Esemé , Ph.D.
Quality Control

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
178609	17	7.41	0.2	13	< 100	451	1	0.4	1.33	0.1	54	19.9	112	64.1	4.5	4.09	3.9	1.42	25.7	37.9	2.20	2.0	94.7
178610	9	8.36	0.1	11	< 100	518	1	0.3	1.12	< 0.1	54	20.9	108	52.0	5.7	4.24	3.7	1.77	23.8	41.7	2.16	0.7	100.0
178611	8	8.43	0.1	14	< 100	601	1	0.3	1.02	0.1	58	25.8	129	53.6	7.0	5.20	3.2	1.92	27.3	55.1	1.37	0.6	124
178612	8	7.83	0.2	19	< 100	554	1	0.3	1.39	< 0.1	54	19.2	110	48.9	5.1	4.46	3.7	1.79	25.9	41.3	1.98	4.3	92.9
178613	8	7.69	0.2	22	< 100	588	1	0.3	1.42	< 0.1	59	20.7	118	60.0	5.6	4.41	4.1	1.85	28.1	39.8	1.85	3.5	94.8
178614	8	7.24	0.2	25	< 100	540	1	0.3	1.32	0.1	54	18.7	118	50.1	4.8	4.21	3.7	1.67	25.6	35.1	1.98	3.9	81.7
178615	7	7.05	0.2	25	< 100	524	1	0.2	1.73	< 0.1	46	18.6	97	47.3	4.6	4.67	3.2	1.62	21.3	36.6	1.45	4.7	71.4
178616	8	9.39	< 0.1	< 1	< 100	8	< 1	< 0.1	0.14	< 0.1	1	< 0.2	4	0.7	0.7	0.13	0.2	2.52	0.5	20.8	8.73	0.1	< 0.1
178617	8	7.64	0.3	34	< 100	574	1	0.3	1.82	< 0.1	47	23.1	122	64.9	6.1	4.88	3.5	2.04	21.8	50.1	1.40	6.2	91.7
178618	11	4.71	0.3	25	< 100	536	1	0.2	1.12	0.1	21	24.7	161	72.3	5.3	4.75	3.3	1.61	7.3	43.0	1.08	7.4	122
178619	11	6.98	0.2	23	< 100	490	1	0.3	1.64	< 0.1	52	20.5	143	83.6	4.9	3.93	4.5	1.66	23.4	33.1	1.84	6.2	84.9
178045	12	7.00	0.1	1	< 100	71	< 1	0.2	6.72	< 0.1	13	42.8	73	99.1	0.8	8.24	1.1	0.52	5.4	7.0	2.09	< 0.1	76.7
178046	423	8.01	0.1	140	400	471	< 1	< 0.1	3.60	0.1	17	12.4	30	51.7	0.8	4.91	1.0	0.78	7.4	7.5	2.43	1.6	30.2
178047	14	7.06	< 0.1	< 1	< 100	56	< 1	0.3	6.83	< 0.1	13	44.4	57	117	0.7	8.41	1.2	0.41	5.0	4.0	2.53	< 0.1	79.2
178048	8	7.21	< 0.1	< 1	< 100	75	< 1	0.2	5.25	0.1	12	41.7	55	86.1	0.7	7.59	0.7	0.60	4.7	3.6	3.35	< 0.1	75.8
178049	17	7.30	< 0.1	< 1	< 100	74	< 1	0.2	6.55	< 0.1	12	43.6	61	151	1.0	8.42	1.2	0.67	4.9	4.9	2.67	< 0.1	82.3
178050	11	6.88	< 0.1	< 1	< 100	101	< 1	0.1	5.50	< 0.1	12	43.5	62	131	1.8	8.72	1.4	0.99	4.7	7.5	2.74	< 0.1	85.1
178051	11	7.03	0.2	< 1	< 100	80	< 1	0.1	4.61	< 0.1	12	45.2	79	88.2	1.1	8.37	1.2	0.75	4.8	7.1	2.99	< 0.1	81.8
178052	24	6.85	0.1	< 1	< 100	79	< 1	0.2	6.19	< 0.1	12	41.0	75	110	0.8	8.18	1.5	0.69	4.6	5.3	2.36	0.1	77.0
178053	10	6.61	< 0.1	< 1	< 100	61	< 1	0.2	6.82	< 0.1	12	37.8	118	96.0	0.7	7.34	1.5	0.45	4.6	4.6	2.56	0.1	71.1
178054	12	5.35	0.1	2	< 100	77	< 1	0.2	6.60	< 0.1	10	42.2	82	99.6	0.8	7.71	1.7	0.78	3.9	7.7	1.99	3.0	77.4
178055	19	6.61	< 0.1	2	< 100	81	< 1	0.2	7.20	< 0.1	13	43.7	80	111	1.0	8.04	1.7	0.84	5.1	8.7	2.11	1.5	78.0
178056	14	6.78	< 0.1	1	< 100	89	< 1	0.2	6.09	< 0.1	12	40.9	70	104	1.0	7.74	1.6	0.90	5.1	7.2	2.54	0.5	71.4
178057	20	7.06	< 0.1	1	< 100	69	< 1	0.2	6.52	< 0.1	13	43.8	58	108	1.1	8.51	0.7	0.62	5.3	7.8	2.25	< 0.1	78.0
178058	11	7.01	< 0.1	4	< 100	84	< 1	0.2	7.44	< 0.1	13	41.1	46	94.2	1.0	8.06	1.1	0.72	5.1	7.2	2.03	< 0.1	74.6
178059	11	6.42	< 0.1	< 1	< 100	67	< 1	0.2	6.18	< 0.1	11	39.0	48	121	1.1	7.56	1.6	0.56	4.1	15.5	2.48	0.3	70.3
178060	9	7.04	< 0.1	< 1	< 100	67	< 1	0.1	5.08	< 0.1	13	42.2	49	105	1.3	8.08	1.3	0.54	5.1	18.2	2.15	< 0.1	76.5
178061	< 5	6.96	< 0.1	2	< 100	47	< 1	0.1	5.70	< 0.1	12	41.7	47	99.8	0.9	8.70	1.3	0.38	5.1	20.4	1.31	< 0.1	74.2
178062	< 5	7.46	< 0.1	1	< 100	74	< 1	< 0.1	4.41	< 0.1	12	43.2	66	151	1.0	8.71	0.9	0.58	4.9	28.8	1.38	< 0.1	75.4
178063	< 5	6.46	< 0.1	2	< 100	88	< 1	< 0.1	4.37	< 0.1	10	39.5	78	131	1.3	7.64	1.7	0.64	3.6	24.6	1.46	2.7	71.5
178064	3800	6.34	0.4	12	> 2000	515	< 1	0.3	2.44	0.4	17	11.8	64	70.9	1.0	4.80	1.4	0.78	7.7	16.8	2.13	2.2	49.2
178065	< 5	6.97	0.2	< 1	< 100	100	< 1	< 0.1	4.29	< 0.1	13	43.0	74	160	1.5	8.60	1.6	0.67	5.2	26.8	1.38	< 0.1	77.6
178066	< 5	6.85	< 0.1	< 1	< 100	100	< 1	< 0.1	5.00	< 0.1	12	40.3	63	162	1.4	7.76	1.0	0.44	4.6	22.0	1.94	< 0.1	71.7
178067	< 5	6.72	0.2	1	< 100	365	< 1	0.2	5.05	< 0.1	12	40.0	56	209	1.1	7.23	1.4	0.82	4.7	10.8	2.58	< 0.1	71.9

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
178609	0.056	55.5	14.3	< 1	1.34	618	1.5	0.9	15	0.8	239	< 0.1	9.9	0.322	0.47	3.3	100	0.3	11.3	102	144	
178610	0.061	66.1	14.3	< 1	1.39	622	1.2	0.4	17	1.1	204	< 0.1	9.7	0.339	0.59	3.1	111	< 0.1	12.0	100	136	
178611	0.063	79.1	12.3	< 1	1.61	686	0.8	0.3	21	1.1	171	< 0.1	10.5	0.300	0.79	3.2	125	< 0.1	13.2	120	115	
178612	0.060	66.1	14.0	< 1	1.43	618	1.8	2.4	15	1.1	246	0.2	10.1	0.346	0.64	3.3	110	1.0	12.2	106	140	
178613	0.059	68.7	15.7	< 1	1.27	575	1.5	1.5	15	1.1	268	< 0.1	11.6	0.372	0.69	3.7	109	0.7	12.7	94	157	
178614	0.052	60.2	11.2	< 1	1.07	481	1.9	2.2	14	1.1	235	0.1	10.5	0.321	0.68	3.4	98	0.8	11.2	90	144	
178615	0.053	60.2	9.5	< 1	1.08	617	1.9	3.2	12	0.7	226	0.2	7.8	0.275	0.90	2.6	90	1.0	9.9	74	124	
178616	< 0.001	41.6	4.0	< 1	< 0.01	26	< 0.1	0.2	< 1	< 0.1	12	< 0.1	0.2	0.002	0.53	0.2	15	< 0.1	1.0	< 1	9.4	
178617	0.054	70.7	10.9	< 1	1.22	721	1.9	4.5	15	1.2	231	0.5	8.1	0.333	1.37	2.7	108	1.5	11.2	94	136	
178618	0.060	32.7	10.7	< 1	1.24	689	2.7	3.6	11	1.4	154	0.6	3.7	0.417	1.04	2.6	136	2.1	6.9	114	121	
178619	0.064	56.3	12.6	< 1	1.20	687	1.6	2.3	13	0.9	231	0.3	10.7	0.357	0.67	3.9	100	1.3	11.6	81	175	
178045	0.031	17.2	3.0	< 1	3.00	1670	1.0	< 0.1	40	< 0.1	136	< 0.1	1.0	0.239	0.09	0.2	168	< 0.1	16.7	102	36.2	
178046	0.054	16.7	12.8	< 1	1.29	992	2.6	1.1	22	0.7	315	0.1	1.9	0.267	0.07	0.7	125	0.5	16.2	75	25.3	
178047	0.029	12.8	3.7	< 1	2.86	1710	0.8	< 0.1	41	< 0.1	113	< 0.1	0.9	0.331	0.07	0.2	186	< 0.1	16.3	107	38.7	
178048	0.029	18.6	3.4	< 1	2.60	1550	< 0.1	< 0.1	39	0.1	100	< 0.1	0.9	0.150	0.10	0.2	129	< 0.1	16.5	101	22.5	
178049	0.030	21.7	4.0	< 1	3.16	1810	0.9	0.1	40	0.3	186	< 0.1	0.9	0.281	0.12	0.2	171	< 0.1	16.3	110	37.5	
178050	0.026	38.9	2.9	< 1	2.98	1680	0.3	< 0.1	41	< 0.1	159	< 0.1	0.8	0.276	0.24	0.2	188	< 0.1	16.3	104	48.7	
178051	0.033	23.9	2.6	< 1	3.20	1620	0.1	< 0.1	41	< 0.1	107	< 0.1	0.9	0.229	0.15	0.3	169	< 0.1	16.2	109	39.9	
178052	0.032	22.0	4.0	< 1	2.82	1600	0.3	< 0.1	38	0.3	124	< 0.1	0.9	0.361	0.13	0.3	220	< 0.1	16.2	98	51.4	
178053	0.028	14.0	3.0	< 1	2.86	1580	0.7	< 0.1	35	< 0.1	135	< 0.1	0.8	0.378	0.05	0.6	212	< 0.1	15.2	94	47.8	
178054	0.031	14.1	3.0	< 1	2.91	1550	1.1	0.5	30	0.4	114	0.2	0.6	0.490	0.15	0.2	255	1.0	13.3	99	56.8	
178055	0.033	25.8	3.1	< 1	3.10	1610	0.9	< 0.1	41	0.1	121	< 0.1	0.9	0.492	0.15	0.2	264	< 0.1	16.1	105	55.9	
178056	0.031	26.4	2.7	< 1	2.78	1380	0.8	< 0.1	37	0.4	111	< 0.1	0.8	0.437	0.17	0.2	230	< 0.1	15.6	100	53.0	
178057	0.030	18.1	3.9	< 1	3.05	1670	< 0.1	< 0.1	41	< 0.1	171	< 0.1	0.9	0.167	0.10	0.3	130	< 0.1	17.0	114	22.5	
178058	0.030	22.8	4.0	< 1	3.06	1520	0.2	0.2	40	0.4	207	< 0.1	0.9	0.273	0.13	0.3	161	< 0.1	16.7	101	33.8	
178059	0.028	18.3	1.6	< 1	3.02	1480	0.7	< 0.1	36	0.4	61	< 0.1	0.8	0.416	0.10	0.2	198	< 0.1	15.1	107	53.2	
178060	0.030	19.5	2.0	< 1	3.68	1450	0.7	0.3	40	0.4	106	< 0.1	0.9	0.504	0.11	0.2	174	< 0.1	16.7	112	45.3	
178061	0.028	13.2	3.0	< 1	4.18	1450	0.2	0.6	38	0.4	205	< 0.1	0.9	0.371	0.05	0.2	191	< 0.1	16.7	119	41.0	
178062	0.029	20.2	2.1	< 1	4.57	1450	< 0.1	< 0.1	39	< 0.1	130	< 0.1	0.9	0.228	0.12	0.2	153	< 0.1	15.8	131	28.8	
178063	0.031	12.7	1.5	< 1	3.99	1360	0.4	0.6	33	0.5	109	0.2	0.6	0.481	0.15	0.2	229	0.8	13.1	99	57.1	
178064	0.068	19.3	17.3	< 1	1.28	781	6.7	2.7	17	1.6	260	0.1	1.8	0.374	0.18	0.9	135	3.0	13.3	109	47.3	
178065	0.025	26.3	1.6	< 1	4.19	1530	< 0.1	< 0.1	39	< 0.1	119	< 0.1	0.9	0.221	0.16	0.2	187	< 0.1	18.1	104	51.3	
178066	0.027	17.4	1.5	< 1	3.79	1360	< 0.1	< 0.1	38	< 0.1	113	< 0.1	0.9	0.202	0.08	0.2	129	< 0.1	15.8	99	32.6	
178067	0.032	23.7	2.1	< 1	3.68	1250	1.4	< 0.1	39	0.5	129	< 0.1	0.9	0.350	0.16	0.3	178	< 0.1	15.8	70	47.0	

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
GXR-1 Meas		4.96	23.7	317	> 2000	1040	1	1440	0.77	2.2	12	5.8	9	977	2.7	21.0	1.0	0.04	5.5	16.5	0.065	0.6	40.3
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		7.04	2.8	85	500	94	2	18.9	0.89	0.4	91	11.4	34	6610	2.8	2.91	1.4	3.39	43.2	15.8	0.571	7.4	44.6
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		8.35		< 1		565	3		0.86		70	13.6	29	28.7	4.0	4.36	0.8	2.00	27.9	48.5	1.65	0.2	36.5
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		13.4	0.3	178	< 100	1380	1	0.2	0.16	< 0.1	25	10.0	36	60.4	4.0	4.79	2.2	1.42	8.3	53.1	0.112	0.2	24.3
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						94						44.1	171	86.7					2.8	6.5		1.1	292
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
OREAS203 Meas	858																						
OREAS203 Cert	871.000																						
SBC-1 Meas				21		552	4	0.7		0.4	88	18.0	65	36.9	8.3		3.9		37.1	238		10.5	97.4
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		8.84		7		172	< 1	0.3	0.16		30	24.9	504	354	3.9	13.8	2.3	0.35	12.7	30.6	0.104	0.2	272
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						932	8	1.1		5.0	83	10.9	27	237	1.8		3.9		34.3	24.8		1.4	58.1
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	499																						
OREAS 251 (FA-Anaster) Cert	504																						
178618 Orig	8																						
178618 Dup	14																						
178053 Orig	11																						
178053 Dup	9																						
178059 Orig		6.37	< 0.1	< 1	< 100	67	< 1	0.1	6.06	< 0.1	11	38.3	48	130	1.2	7.45	1.6	0.54	4.1	15.2	2.51	0.4	67.7
178059 Dup		6.47	0.2	< 1	< 100	67	< 1	0.2	6.30	< 0.1	11	39.7	49	112	1.1	7.68	1.6	0.57	4.2	15.7	2.46	0.2	73.0
178060 Orig		7.24	< 0.1	< 1	< 100	68	< 1	0.1	5.05	< 0.1	13	42.6	50	107	1.3	8.23	1.4	0.55	5.2	18.3	2.16	< 0.1	77.4
178060 Dup		6.83	< 0.1	1	< 100	66	< 1	0.1	5.12	< 0.1	13	41.8	49	103	1.3	7.93	1.3	0.54	5.0	18.1	2.13	1.0	75.5
178063 Orig	< 5																						
178063 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 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
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	0.3	< 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	0.054	2.2	793	< 1	0.29	797	13.1	17.9	< 1	23.6	274	< 0.1	2.5	0.027	0.29	31.9	68	141	20.7	819	29.2
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													931			2630					
DH-1a Cert													910			2629					
GXR-4 Meas	0.142	113	50.3	2	1.78	139	266	4.1	8	6.5	209	0.6	20.7	0.259	3.13	6.1	80	35.7	11.1	78	35.2
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	82.0	25.1		1.01	820		< 0.1	14	< 0.1	158	< 0.1	12.0	0.062	0.55	2.9	27	< 0.1		114	19.3
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	0.027	51.6	95.9	< 1	0.57	909	0.6	0.6	24	0.4	38	< 0.1	4.6		2.00	1.3	100	< 0.1	8.7	132	56.9
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		2.7	6.2					0.3	31		140			0.267			126		13.0	69	32.3
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
OREAS203 Meas																					
OREAS203 Cert																					
SBC-1 Meas		106	38.2				1.8	1.0	20	3.2	175	0.8	16.5	0.455	0.87	6.4	185	1.3	26.0	215	102
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	0.034	32.1	22.2	< 1	0.22	484	0.4	< 0.1	53	0.5	31	< 0.1	15.0	0.238	0.18	2.9	114	< 0.1	8.9	45	66.7
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		73.5	895				7.9		4		143	< 0.1	13.9			2.5	25	< 0.1	20.7	945	94.6
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																					
178618 Orig																					
178618 Dup																					
178053 Orig																					
178053 Dup																					
178059 Orig	0.028	18.1	1.5	< 1	3.03	1470	0.6	< 0.1	36	0.4	60	< 0.1	0.8	0.413	0.10	0.2	197	< 0.1	15.1	103	51.3
178059 Dup	0.029	18.6	1.6	< 1	3.02	1500	0.7	< 0.1	37	0.4	61	< 0.1	0.9	0.419	0.10	0.3	199	< 0.1	15.2	110	55.0
178060 Orig	0.030	19.7	2.0	< 1	3.75	1470	0.4	0.2	40	0.4	107	< 0.1	0.9	0.478	0.10	0.2	173	< 0.1	17.2	115	48.4
178060 Dup	0.031	19.3	1.9	< 1	3.60	1430	0.9	0.3	40	0.3	104	< 0.1	0.9	0.530	0.11	0.3	175	< 0.1	16.3	109	42.1
178063 Orig																					
178063 Dup																					
Method Blank																					
Method Blank																					
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	8	0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	15	< 0.1	< 0.1	< 1	0.2



Date Submitted: 16-Sep-16
Invoice No.: A16-09458
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

35 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-09458**

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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 over a horizontal line.

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: 16-Sep-16
Invoice No.: A16-09458
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

35 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09458**

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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
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Results

Activation Laboratories Ltd.

Report: A16-09458

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
178068	6	7.17	0.1	2	< 100	105	< 1	0.1	4.77	< 0.1	13	41.4	54	101	1.0	8.02	1.9	0.38	5.0	14.4	2.47	2.4	75.7
178069	6	7.69	< 0.1	1	< 100	41	< 1	< 0.1	5.71	< 0.1	5	44.4	89	106	1.8	7.04	1.0	0.41	1.6	37.2	1.63	1.2	226
178070	8	8.08	0.2	3	< 100	83	< 1	< 0.1	5.35	< 0.1	4	47.9	82	87.3	2.6	7.08	0.8	0.85	1.2	36.0	1.37	0.9	290
178071	14	8.96	< 0.1	2	< 100	92	< 1	< 0.1	4.97	< 0.1	4	50.5	82	110	3.0	7.36	0.8	1.05	1.2	41.7	1.29	0.9	327
178072	< 5	10.8	< 0.1	< 1	< 100	7	< 1	< 0.1	0.16	< 0.1	1	< 0.2	2	1.8	0.6	0.11	0.3	3.32	0.6	21.9	7.61	< 0.1	< 0.1
178073	10	8.23	0.1	2	< 100	82	< 1	< 0.1	5.78	< 0.1	4	50.1	125	86.7	3.2	6.99	0.8	0.95	1.3	41.9	1.02	< 0.1	308
178074	5	8.79	< 0.1	3	< 100	70	< 1	< 0.1	6.06	< 0.1	4	51.0	102	104	2.5	7.61	0.8	0.76	1.4	43.0	1.23	0.3	296
178075	11	8.35	< 0.1	2	< 100	98	< 1	< 0.1	5.89	< 0.1	4	50.3	94	103	3.0	7.72	0.9	0.91	1.3	36.8	1.18	0.2	271
178076	26	6.40	0.3	1	< 100	112	< 1	0.8	6.93	< 0.1	5	39.5	102	67.9	2.0	6.65	0.9	0.66	1.7	20.3	2.19	0.4	176
178077	< 5	7.52	0.1	< 1	< 100	279	< 1	< 0.1	5.71	< 0.1	5	45.0	105	117	3.0	7.89	1.0	0.88	1.6	24.9	1.86	0.1	155
178078	< 5	6.19	< 0.1	< 1	< 100	70	< 1	< 0.1	3.26	< 0.1	23	40.3	10	126	0.8	10.4	2.9	0.24	9.1	9.9	2.95	< 0.1	26.2
178079	< 5	5.73	< 0.1	1	< 100	84	< 1	0.2	5.22	< 0.1	22	30.9	8	195	0.5	9.55	1.9	0.30	8.7	3.2	3.55	< 0.1	17.2
178080	439	7.95	0.1	115	700	452	< 1	< 0.1	3.26	0.1	17	11.2	28	49.6	0.7	4.41	0.8	0.71	7.0	8.5	2.39	0.4	27.4
178081	< 5	6.02	< 0.1	< 1	< 100	64	< 1	< 0.1	3.40	< 0.1	24	38.9	7	138	0.7	10.3	2.2	0.24	9.4	9.0	3.12	< 0.1	17.5
178082	5	4.57	0.3	3	< 100	66	< 1	< 0.1	2.94	< 0.1	17	40.0	12	169	0.7	10.4	3.7	0.21	5.4	10.8	2.64	5.2	16.5
178083	7	5.97	0.2	2	< 100	66	< 1	< 0.1	3.74	< 0.1	23	40.2	5	164	0.9	10.3	2.9	0.23	9.0	12.3	2.58	< 0.1	17.2
178084	< 5	5.99	0.1	1	< 100	141	< 1	< 0.1	3.06	< 0.1	24	40.4	7	162	1.4	10.9	1.7	0.45	9.7	14.3	2.06	< 0.1	17.9
178085	5	6.16	0.1	2	< 100	221	< 1	< 0.1	3.54	0.1	24	41.7	3	163	1.6	10.8	1.2	0.62	9.5	13.1	2.00	< 0.1	17.6
178086	6	6.16	0.1	2	< 100	194	< 1	< 0.1	4.11	< 0.1	24	37.9	4	163	1.3	10.7	1.0	0.64	9.6	13.7	2.14	< 0.1	17.4
178087	7	6.09	0.1	1	< 100	165	< 1	0.1	4.29	0.1	24	40.9	5	174	1.4	11.0	1.2	0.54	9.9	13.1	2.01	< 0.1	17.8
178088	8	6.15	0.1	< 1	< 100	152	< 1	< 0.1	3.38	< 0.1	24	40.3	6	169	1.3	11.1	2.0	0.48	9.4	14.5	2.14	< 0.1	18.2
178089	5	6.34	0.1	< 1	< 100	151	< 1	< 0.1	3.43	< 0.1	24	40.6	12	170	1.3	10.8	2.2	0.51	9.4	14.4	2.08	< 0.1	17.8
178090	6	6.09	0.1	2	< 100	171	< 1	< 0.1	4.00	< 0.1	23	38.8	3	159	1.7	10.3	2.5	0.59	9.0	15.7	2.10	0.1	17.2
178091	9	6.10	0.2	2	< 100	98	< 1	< 0.1	3.16	< 0.1	22	37.7	6	162	2.0	10.8	2.5	0.57	8.5	17.6	2.31	0.2	17.3
178092	7	6.31	0.1	1	< 100	67	< 1	< 0.1	2.52	< 0.1	22	36.9	23	144	0.9	9.50	1.3	0.35	8.7	14.4	3.37	< 0.1	18.1
178093	< 5	5.92	0.2	2	< 100	93	< 1	0.2	3.43	< 0.1	13	36.4	16	115	1.3	8.78	2.9	0.35	4.9	17.4	2.59	3.8	41.7
178094	< 5	6.49	< 0.1	< 1	< 100	88	< 1	< 0.1	4.97	< 0.1	6	49.2	35	124	2.3	8.48	1.2	0.58	1.9	34.6	1.56	0.6	144
178095	5	6.90	< 0.1	< 1	< 100	126	< 1	< 0.1	3.97	< 0.1	13	38.3	14	108	3.3	7.87	1.2	0.97	5.0	30.2	2.44	< 0.1	47.9
178096	< 5	6.95	0.2	< 1	< 100	132	< 1	< 0.1	3.83	< 0.1	13	40.9	10	101	2.4	8.34	1.2	0.77	5.0	30.4	2.25	< 0.1	50.7
178097	5	7.48	0.2	1	< 100	123	< 1	0.1	3.35	< 0.1	13	41.0	7	113	2.1	8.33	1.1	0.68	5.3	29.5	2.28	< 0.1	49.0
178098	3630	7.12	0.6	10	> 2000	530	< 1	0.3	2.43	0.3	18	11.3	53	67.7	1.0	4.86	0.9	0.78	8.1	18.5	2.26	0.8	48.7
178099	19	7.22	0.2	2	< 100	154	< 1	0.1	3.85	< 0.1	13	40.6	11	135	2.1	8.34	2.1	0.73	5.3	26.8	1.90	1.4	49.1
178100	5	7.81	0.2	< 1	< 100	204	< 1	< 0.1	3.99	< 0.1	13	42.7	13	141	2.2	8.86	2.1	0.77	5.4	27.1	2.44	1.1	52.0
178101	32	6.89	0.2	< 1	< 100	163	< 1	0.2	3.74	< 0.1	12	35.9	12	408	2.1	7.75	2.0	0.98	6.5	23.5	2.69	1.6	48.5
178102	20	7.34	0.3	1	< 100	214	< 1	0.2	3.53	< 0.1	12	36.7	14	221	3.4	8.04	2.2	1.07	4.7	25.2	2.78	2.4	49.9

Results

Activation Laboratories Ltd.

Report: A16-09458

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
178068	0.032	11.3	2.3	< 1	3.90	1350	1.8	0.5	39	0.5	189	0.1	1.0	0.504	< 0.05	0.3	258	0.4	16.4	93	65.5
178069	0.020	20.2	1.1	< 1	4.36	1210	0.2	0.3	33	0.2	99	< 0.1	0.2	0.396	0.07	< 0.1	189	0.6	10.8	81	32.9
178070	0.014	39.4	1.1	< 1	5.15	1270	0.2	0.2	30	< 0.1	115	< 0.1	0.1	0.324	0.20	< 0.1	170	0.3	8.6	83	23.6
178071	0.014	48.6	1.1	< 1	5.81	1290	2.2	0.3	31	0.1	118	< 0.1	0.1	0.332	0.27	0.1	174	< 0.1	9.0	95	25.3
178072	< 0.001	47.3	4.0	< 1	< 0.01	30	0.2	0.1	< 1	0.1	15	< 0.1	0.5	0.001	0.52	< 0.1	13	< 0.1	1.2	< 1	15.2
178073	0.015	43.6	1.5	< 1	5.61	1270	0.2	< 0.1	30	< 0.1	144	< 0.1	0.1	0.257	0.24	< 0.1	153	< 0.1	8.5	81	24.1
178074	0.014	36.4	1.9	< 1	5.65	1330	0.2	< 0.1	32	< 0.1	168	< 0.1	0.1	0.311	0.18	< 0.1	174	< 0.1	9.1	91	27.2
178075	0.015	44.0	1.7	< 1	5.39	1350	0.1	< 0.1	34	< 0.1	169	< 0.1	0.1	0.319	0.24	< 0.1	185	< 0.1	9.6	90	30.4
178076	0.016	27.3	23.1	3	3.39	1060	19.7	0.1	32	0.1	132	< 0.1	0.1	0.310	0.12	< 0.1	174	1.5	9.6	129	28.4
178077	0.018	41.2	2.9	< 1	4.35	1500	0.2	< 0.1	41	< 0.1	166	< 0.1	0.2	0.331	0.25	< 0.1	199	< 0.1	11.7	113	29.9
178078	0.046	7.6	2.6	< 1	2.05	1400	< 0.1	< 0.1	39	< 0.1	96	< 0.1	1.8	0.258	< 0.05	0.5	180	< 0.1	27.8	143	98.7
178079	0.055	9.2	5.8	< 1	1.48	1080	< 0.1	< 0.1	35	0.6	107	< 0.1	1.8	0.321	< 0.05	0.5	155	< 0.1	26.4	110	55.9
178080	0.051	15.6	13.7	< 1	1.27	877	0.9	0.5	20	0.4	306	< 0.1	1.8	0.168	0.07	0.7	79	< 0.1	15.4	70	19.5
178081	0.050	7.5	2.8	< 1	1.83	1360	< 0.1	< 0.1	37	< 0.1	92	< 0.1	1.9	0.217	< 0.05	0.5	178	< 0.1	27.7	146	74.7
178082	0.060	2.8	2.9	< 1	1.63	1560	0.6	0.3	24	0.5	100	0.4	0.8	0.819	< 0.05	0.5	329	0.6	18.1	138	120
178083	0.056	7.3	3.6	< 1	1.69	1360	< 0.1	< 0.1	36	0.3	100	< 0.1	1.9	0.469	< 0.05	0.5	235	< 0.1	26.9	138	86.8
178084	0.056	16.7	3.8	< 1	1.80	1440	< 0.1	< 0.1	38	< 0.1	137	< 0.1	1.9	0.165	0.10	0.5	155	< 0.1	29.2	165	54.8
178085	0.056	23.9	4.1	< 1	1.82	1500	< 0.1	< 0.1	38	< 0.1	153	< 0.1	1.9	0.155	0.16	0.5	139	< 0.1	27.6	158	32.4
178086	0.058	22.9	4.4	< 1	1.59	1480	< 0.1	< 0.1	37	< 0.1	146	< 0.1	1.9	0.132	0.15	0.5	142	< 0.1	28.2	160	30.6
178087	0.056	21.2	4.8	< 1	1.68	1660	< 0.1	< 0.1	40	0.1	203	< 0.1	2.0	0.172	0.14	0.5	157	< 0.1	29.3	172	38.0
178088	0.053	19.1	3.7	< 1	1.70	1640	< 0.1	< 0.1	38	< 0.1	196	< 0.1	1.9	0.284	0.11	0.5	178	< 0.1	28.4	165	64.2
178089	0.055	19.0	3.7	< 1	1.74	1610	< 0.1	< 0.1	39	< 0.1	195	< 0.1	1.9	0.354	0.12	0.5	194	< 0.1	28.2	157	67.6
178090	0.058	23.4	3.2	< 1	1.62	1480	0.1	< 0.1	38	0.1	117	< 0.1	2.0	0.374	0.27	0.5	205	< 0.1	28.4	144	77.9
178091	0.058	26.6	2.4	< 1	1.73	1500	0.1	< 0.1	37	0.2	64	< 0.1	1.9	0.417	0.16	0.5	201	< 0.1	27.6	166	78.2
178092	0.057	10.4	2.4	< 1	1.90	1190	< 0.1	< 0.1	39	< 0.1	46	< 0.1	2.0	0.135	< 0.05	0.5	133	< 0.1	28.7	143	42.4
178093	0.049	6.9	2.3	< 1	2.44	1210	0.9	1.0	31	0.5	66	0.3	1.0	0.694	< 0.05	0.4	283	1.2	19.7	136	89.8
178094	0.023	19.4	2.6	< 1	4.41	1310	0.6	< 0.1	32	< 0.1	110	< 0.1	0.3	0.410	0.12	< 0.1	199	< 0.1	11.2	137	37.5
178095	0.031	43.7	6.4	< 1	3.31	1180	< 0.1	< 0.1	36	< 0.1	109	< 0.1	1.0	0.224	0.30	0.3	154	< 0.1	12.1	118	39.0
178096	0.030	32.3	2.5	< 1	3.58	1310	< 0.1	< 0.1	37	< 0.1	88	< 0.1	1.1	0.228	0.23	0.3	136	< 0.1	16.9	111	39.7
178097	0.031	26.0	2.6	< 1	3.65	1270	0.3	0.2	38	0.1	84	< 0.1	1.1	0.217	0.17	0.3	131	< 0.1	16.2	102	34.1
178098	0.062	19.7	17.4	< 1	1.35	805	1.8	1.3	17	0.7	267	< 0.1	2.0	0.201	0.18	0.9	87	0.9	13.5	113	26.1
178099	0.035	26.5	3.1	< 1	3.42	1320	0.7	< 0.1	37	< 0.1	120	< 0.1	1.1	0.514	0.18	0.3	223	< 0.1	16.6	105	66.2
178100	0.035	27.1	2.2	< 1	3.69	1500	0.4	< 0.1	40	< 0.1	110	< 0.1	1.1	0.502	0.20	0.3	228	< 0.1	16.5	120	68.1
178101	0.035	40.6	9.4	< 1	3.19	1380	0.8	0.4	35	0.5	107	< 0.1	1.2	0.516	0.27	0.3	231	1.9	15.4	147	63.6
178102	0.036	39.7	10.8	< 1	3.51	1280	2.0	0.1	37	0.5	123	0.1	1.1	0.531	0.34	0.6	251	1.4	16.6	190	69.5

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		4.96	23.7	317	> 2000	1040	1	1440	0.77	2.2	12	5.8	9	977	2.7	21.0	1.0	0.04	5.5	16.5	0.065	0.6	40.3
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		7.04	2.8	85	500	94	2	18.9	0.89	0.4	91	11.4	34	6610	2.8	2.91	1.4	3.39	43.2	15.8	0.571	7.4	44.6
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		8.35		< 1		565	3		0.86		70	13.6	29	28.7	4.0	4.36	0.8	2.00	27.9	48.5	1.65	0.2	36.5
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		13.4	0.3	178	< 100	1380	1	0.2	0.16	< 0.1	25	10.0	36	60.4	4.0	4.79	2.2	1.42	8.3	53.1	0.112	0.2	24.3
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						94						44.1	171	86.7					2.8	6.5		1.1	292
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
OREAS203 Meas	886																						
OREAS203 Cert	871.000																						
SBC-1 Meas				21		552	4	0.7		0.4	88	18.0	65	36.9	8.3		3.9		37.1	238		10.5	97.4
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		8.84		7		172	< 1	0.3	0.16		30	24.9	504	354	3.9	13.8	2.3	0.35	12.7	30.6	0.104	0.2	272
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						932	8	1.1		5.0	83	10.9	27	237	1.8		3.9		34.3	24.8		1.4	58.1
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
178077 Orig	10																						
178077 Dup	< 5																						
178087 Orig	7																						
178087 Dup	7																						
178097 Orig	5																						
178097 Dup	5																						
178099 Orig		7.40	0.3	1	< 100	159	< 1	0.1	4.01	< 0.1	14	41.9	12	141	2.1	8.53	2.1	0.77	5.5	27.3	1.98	0.8	51.5
178099 Dup		7.04	0.2	2	< 100	149	< 1	0.1	3.70	< 0.1	13	39.2	11	129	2.1	8.15	2.0	0.69	5.1	26.2	1.82	2.0	46.6
178101 Orig		7.40	0.2	< 1	< 100	170	< 1	0.2	3.89	< 0.1	13	38.0	13	420	2.2	8.17	2.0	0.99	6.5	24.5	2.77	0.6	50.0
178101 Dup		6.39	0.2	2	< 100	157	< 1	0.2	3.59	< 0.1	11	33.8	12	397	2.0	7.34	2.1	0.97	6.4	22.5	2.61	2.7	47.0
Method Blank	17																						
Method Blank	< 5																						
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	0.3	< 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	0.054	2.2	793	< 1	0.29	797	13.1	17.9	< 1	23.6	274	< 0.1	2.5	0.027	0.29	31.9	68	141	20.7	819	29.2
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													931			2630					
DH-1a Cert													910			2629					
GXR-4 Meas	0.142	113	50.3	2	1.78	139	266	4.1	8	6.5	209	0.6	20.7	0.259	3.13	6.1	80	35.7	11.1	78	35.2
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	82.0	25.1		1.01	820		< 0.1	14	< 0.1	158	< 0.1	12.0	0.062	0.55	2.9	27	< 0.1		114	19.3
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	0.027	51.6	95.9	< 1	0.57	909	0.6	0.6	24	0.4	38	< 0.1	4.6		2.00	1.3	100	< 0.1	8.7	132	56.9
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		2.7	6.2					0.3	31		140			0.267			126		13.0	69	32.3
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
OREAS203 Meas																					
OREAS203 Cert																					
SBC-1 Meas		106	38.2				1.8	1.0	20	3.2	175	0.8	16.5	0.455	0.87	6.4	185	1.3	26.0	215	102
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	0.034	32.1	22.2	< 1	0.22	484	0.4	< 0.1	53	0.5	31	< 0.1	15.0	0.238	0.18	2.9	114	< 0.1	8.9	45	66.7
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		73.5	895				7.9		4		143	< 0.1	13.9			2.5	25	< 0.1	20.7	945	94.6
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
178077 Orig																					
178077 Dup																					
178087 Orig																					
178087 Dup																					
178097 Orig																					
178097 Dup																					
178099 Orig	0.036	27.3	3.2	< 1	3.53	1350	0.5	< 0.1	38	< 0.1	122	< 0.1	1.1	0.504	0.19	0.3	223	< 0.1	17.1	108	66.5
178099 Dup	0.034	25.7	2.9	< 1	3.31	1290	0.8	0.1	36	0.1	117	0.1	1.1	0.523	0.18	0.3	224	0.4	16.2	103	66.0
178101 Orig	0.035	42.9	9.6	< 1	3.30	1420	0.8	0.1	37	0.5	112	< 0.1	1.2	0.513	0.28	0.3	230	0.2	16.5	156	62.6
178101 Dup	0.034	38.3	9.2	< 1	3.08	1330	0.8	0.7	32	0.5	102	0.2	1.3	0.518	0.26	0.3	233	3.7	14.2	138	64.7
Method Blank																					
Method Blank																					
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	8	0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	15	< 0.1	< 0.1	< 1	0.2



Date Submitted: 16-Sep-16
Invoice No.: A16-09459
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

35 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09459**

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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: 16-Sep-16
Invoice No.: A16-09459
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

35 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-09459**

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

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
178103	50	7.22	0.3	< 1	< 100	296	< 1	0.5	4.53	< 0.1	12	38.5	17	260	1.6	8.79	2.0	0.94	4.6	23.1	2.49	< 0.1	47.8
178104	14	7.05	0.3	< 1	< 100	330	< 1	0.2	4.76	< 0.1	12	40.1	26	154	1.7	8.48	2.0	1.02	4.9	27.2	2.20	0.1	54.0
178105	8	6.92	0.4	< 1	< 100	152	< 1	0.1	5.93	< 0.1	11	36.4	52	236	1.6	7.18	1.1	0.58	4.5	30.3	1.93	< 0.1	68.4
178106	< 5	11.4	0.1	< 1	< 100	8	< 1	< 0.1	0.16	< 0.1	1	< 0.2	3	2.4	0.7	0.12	0.2	3.45	0.6	28.1	8.23	< 0.1	< 0.1
178107	< 5	7.52	0.2	2	< 100	131	< 1	0.1	5.70	< 0.1	9	39.7	50	102	2.6	7.58	1.3	0.77	3.8	30.8	2.17	< 0.1	73.8
178108	< 5	7.07	0.1	1	< 100	120	< 1	0.1	6.71	< 0.1	11	35.8	45	109	1.8	7.45	1.1	0.77	4.2	22.9	2.47	< 0.1	65.2
178109	< 5	7.90	0.2	< 1	< 100	134	< 1	< 0.1	6.26	< 0.1	12	40.6	55	104	1.3	7.94	1.6	0.54	4.9	24.9	1.64	0.2	73.1
178110	< 5	7.89	0.2	2	< 100	90	< 1	0.2	7.01	< 0.1	13	39.0	51	109	1.0	7.72	1.4	0.47	5.4	23.6	1.44	0.4	70.8
178111	< 5	7.11	0.1	7	< 100	100	< 1	0.1	5.86	< 0.1	11	39.6	63	102	1.0	7.51	1.1	0.70	4.3	14.6	2.26	< 0.1	69.2
178112	< 5	7.47	0.2	4	< 100	91	< 1	0.2	6.00	< 0.1	12	39.1	75	108	1.6	8.04	1.6	0.69	4.7	22.1	1.73	0.1	70.6
178113	< 5	7.23	0.1	< 1	< 100	119	< 1	0.1	6.36	< 0.1	12	39.1	74	106	1.3	7.38	1.6	0.76	4.5	14.8	2.21	0.3	69.5
178114	443	8.12	0.1	119	600	450	< 1	< 0.1	3.40	0.1	16	10.8	27	45.0	0.7	4.50	0.8	0.72	6.6	9.2	2.48	0.9	24.9
178115	< 5	7.79	0.1	1	< 100	101	< 1	0.2	5.30	< 0.1	12	39.3	53	108	1.0	7.64	1.4	0.71	4.4	14.6	2.85	< 0.1	70.9
178116	< 5	7.54	0.1	1	< 100	108	< 1	0.2	5.80	< 0.1	12	38.5	46	120	1.8	7.84	1.2	0.56	4.6	25.8	1.39	< 0.1	74.0
178117	< 5	7.34	0.2	< 1	< 100	113	< 1	0.1	4.57	0.1	11	41.0	51	44.3	2.7	7.76	1.4	0.71	4.2	34.2	1.34	< 0.1	86.4
178118	< 5	7.42	0.2	< 1	< 100	127	< 1	< 0.1	5.89	< 0.1	10	36.5	38	178	5.7	7.35	1.5	1.31	3.6	32.5	1.33	< 0.1	87.3
178119	< 5	7.61	0.3	< 1	< 100	141	< 1	0.7	6.10	< 0.1	10	37.5	57	129	2.7	7.21	1.0	1.14	3.8	29.7	1.79	< 0.1	85.8
178120	< 5	7.67	0.2	< 1	< 100	140	< 1	0.1	5.85	< 0.1	10	38.4	73	124	1.6	7.41	1.4	0.75	4.1	25.5	1.86	< 0.1	84.4
178396	< 5	7.24	0.1	19	< 100	638	2	0.2	1.36	< 0.1	34	15.2	121	34.8	4.0	3.71	3.5	1.73	11.1	24.2	2.72	4.2	78.5
178397	< 5	8.46	0.2	31	< 100	645	1	0.2	2.29	< 0.1	46	14.4	111	29.1	3.9	3.82	3.5	1.98	20.5	19.9	2.43	2.0	68.3
178398	< 5	8.49	0.1	30	< 100	633	1	0.2	1.95	< 0.1	44	13.3	87	35.5	3.4	3.36	3.5	1.77	19.7	18.8	3.05	1.4	66.7
178399	5	8.29	< 0.1	41	< 100	711	2	0.2	2.45	< 0.1	43	13.4	78	40.0	4.4	3.31	3.1	2.12	19.6	17.6	2.42	0.4	69.0
178400	< 5	8.37	< 0.1	20	< 100	597	1	0.2	2.30	< 0.1	44	13.6	78	46.7	3.1	3.77	3.0	1.52	19.7	16.4	3.43	0.1	65.3
178401	< 5	8.35	< 0.1	40	< 100	706	2	0.2	2.71	< 0.1	41	13.5	75	34.1	4.4	3.01	3.1	2.15	18.5	12.8	2.67	0.2	58.9
178402	< 5	8.51	< 0.1	52	< 100	677	1	0.2	2.20	< 0.1	44	15.8	88	37.9	4.3	3.78	3.4	2.08	19.5	20.3	2.78	0.4	73.6
178403	< 5	8.34	< 0.1	37	< 100	631	1	0.2	2.46	< 0.1	36	13.9	85	34.7	4.4	3.81	3.4	1.95	15.8	20.0	2.54	1.0	66.2
178404	3560	7.55	0.6	10	> 2000	530	< 1	0.3	2.50	0.4	18	11.2	56	65.7	1.0	4.93	0.9	0.82	7.7	20.0	2.45	< 0.1	48.3
178405	< 5	6.74	0.3	35	< 100	599	1	0.2	2.04	< 0.1	25	15.6	129	30.3	4.2	3.64	3.5	2.00	6.9	19.1	2.19	5.1	79.9
178406	< 5	8.67	0.1	30	< 100	536	1	0.2	1.74	< 0.1	43	16.1	115	31.6	4.5	4.15	3.3	1.99	18.8	24.6	2.26	1.0	83.5
178407	< 5	8.89	0.2	44	< 100	613	2	0.2	2.37	< 0.1	44	16.7	110	42.8	5.8	3.78	3.4	2.50	20.1	26.8	1.25	2.2	83.9
178408	6	8.89	0.1	43	< 100	605	1	0.2	2.19	< 0.1	42	17.0	95	36.6	5.7	3.63	3.0	2.50	19.0	28.6	0.876	0.9	89.1
178409	< 5	9.76	0.1	38	< 100	556	1	0.2	2.42	0.1	42	16.5	96	26.0	6.1	4.12	3.1	2.48	19.2	34.9	1.82	0.7	84.9
178410	< 5	8.91	0.1	38	< 100	498	1	0.2	1.89	< 0.1	38	15.9	96	21.5	5.6	4.42	2.9	2.03	16.8	34.7	2.03	< 0.1	85.8
178411	7	9.65	0.1	80	< 100	597	1	0.2	2.11	0.4	45	18.7	112	34.4	6.8	4.21	3.2	2.57	20.4	36.0	1.39	1.0	96.9
178412	< 5	10.2	< 0.1	< 1	< 100	8	< 1	< 0.1	0.15	< 0.1	1	< 0.2	4	1.2	0.6	0.11	0.2	3.98	0.4	26.4	9.08	< 0.1	< 0.1

Results

Activation Laboratories Ltd.

Report: A16-09459

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
178103	0.030	31.2	10.6	1	3.05	1340	2.5	< 0.1	36	0.4	113	< 0.1	1.1	0.366	0.26	0.3	220	< 0.1	15.9	145	63.9
178104	0.028	34.9	10.6	< 1	3.51	1410	0.2	< 0.1	38	0.4	150	< 0.1	1.0	0.389	0.31	0.3	224	< 0.1	15.6	151	60.0
178105	0.026	24.0	3.9	< 1	3.51	1260	< 0.1	< 0.1	35	0.1	144	< 0.1	0.8	0.251	0.13	0.2	147	< 0.1	13.8	105	33.6
178106	< 0.001	48.6	4.3	< 1	< 0.01	32	0.4	0.1	< 1	0.1	16	< 0.1	0.1	< 0.001	0.54	< 0.1	10	< 0.1	1.2	4	7.7
178107	0.030	40.0	2.7	< 1	3.75	1260	0.2	0.4	39	0.5	83	< 0.1	0.8	0.340	0.24	0.2	174	< 0.1	14.6	159	42.6
178108	0.026	34.3	2.0	< 1	2.91	1400	< 0.1	0.2	37	0.2	75	< 0.1	0.8	0.245	0.22	0.2	144	< 0.1	14.9	96	33.2
178109	0.029	21.2	4.2	< 1	2.77	1540	< 0.1	0.1	41	< 0.1	167	< 0.1	0.9	0.364	0.12	0.3	207	< 0.1	16.0	107	47.1
178110	0.029	17.6	5.5	< 1	2.72	1490	0.2	< 0.1	40	< 0.1	230	< 0.1	0.9	0.367	0.10	0.3	186	< 0.1	16.3	103	42.3
178111	0.027	24.3	4.4	< 1	2.79	1490	< 0.1	< 0.1	36	0.2	170	< 0.1	0.9	0.263	0.17	0.2	144	< 0.1	15.3	98	32.7
178112	0.030	26.8	4.3	< 1	3.56	1400	2.7	0.1	38	< 0.1	152	< 0.1	0.9	0.344	0.17	0.3	191	< 0.1	15.8	109	48.8
178113	0.025	27.2	3.6	< 1	2.96	1240	0.2	0.2	38	0.3	157	< 0.1	0.9	0.362	0.21	0.3	192	< 0.1	15.2	98	48.9
178114	0.048	15.5	12.7	< 1	1.30	902	1.6	0.9	20	0.6	297	< 0.1	1.8	0.196	0.07	0.7	89	0.2	14.8	70	19.8
178115	0.031	25.3	3.4	< 1	2.92	1320	0.6	< 0.1	40	0.4	153	< 0.1	0.9	0.360	0.17	0.3	171	< 0.1	16.0	102	41.0
178116	0.028	23.7	3.4	< 1	4.03	1340	< 0.1	0.1	39	0.2	154	< 0.1	0.9	0.281	0.14	0.2	150	< 0.1	15.6	96	34.2
178117	0.028	36.7	3.2	< 1	4.35	1320	0.1	< 0.1	37	< 0.1	102	< 0.1	0.8	0.304	0.21	0.3	159	< 0.1	15.2	99	42.3
178118	0.026	77.0	1.8	< 1	3.84	1270	0.2	< 0.1	37	< 0.1	66	< 0.1	0.8	0.352	0.47	0.2	171	< 0.1	13.7	106	48.8
178119	0.023	51.0	6.8	< 1	3.83	1290	< 0.1	< 0.1	37	0.1	83	< 0.1	0.8	0.211	0.32	0.2	127	< 0.1	13.6	116	27.2
178120	0.024	27.4	4.5	< 1	4.17	1380	0.1	< 0.1	38	< 0.1	202	< 0.1	0.8	0.314	0.18	0.2	168	< 0.1	13.6	98	40.3
178396	0.067	52.5	11.6	< 1	1.53	516	1.3	2.9	12	0.9	279	0.3	5.3	0.304	0.43	2.1	90	0.7	7.7	62	105
178397	0.071	66.4	11.9	< 1	1.56	653	1.2	2.2	13	0.6	393	< 0.1	8.8	0.293	0.43	2.6	86	0.5	9.7	53	110
178398	0.070	62.1	10.7	< 1	1.27	521	1.0	1.6	12	0.8	367	< 0.1	8.4	0.288	0.39	2.7	83	2.7	9.1	55	109
178399	0.071	73.4	12.9	< 1	1.32	561	1.1	0.9	12	0.7	386	< 0.1	7.8	0.266	0.45	2.5	79	< 0.1	9.4	33	95.9
178400	0.065	52.5	12.5	< 1	1.38	622	0.4	0.9	12	0.5	401	< 0.1	7.7	0.193	0.32	2.6	66	< 0.1	9.1	49	93.0
178401	0.065	70.7	10.5	< 1	1.24	634	0.3	1.0	11	0.7	402	< 0.1	7.6	0.203	0.45	2.5	69	< 0.1	9.0	26	99.0
178402	0.070	67.6	10.3	< 1	1.50	592	0.6	1.2	13	0.7	353	< 0.1	8.0	0.258	0.41	2.7	85	< 0.1	9.7	45	110
178403	0.064	66.1	8.0	< 1	1.49	650	0.9	1.7	13	0.7	363	< 0.1	8.0	0.261	0.42	2.6	81	< 0.1	9.4	50	110
178404	0.066	20.3	17.9	< 1	1.45	808	1.6	1.2	17	1.0	278	< 0.1	1.9	0.181	0.17	0.9	79	< 0.1	13.6	108	23.8
178405	0.069	56.1	7.6	< 1	1.33	684	1.7	4.5	10	0.8	263	0.5	3.4	0.311	0.49	2.2	93	1.5	6.6	44	113
178406	0.072	69.4	29.4	< 1	1.68	599	1.1	1.0	15	1.0	262	< 0.1	8.4	0.293	0.45	2.7	90	< 0.1	9.9	70	103
178407	0.067	88.8	11.5	< 1	1.63	662	1.1	2.9	16	1.0	248	0.1	8.9	0.318	0.64	2.8	96	0.4	11.0	57	103
178408	0.064	91.2	9.3	< 1	1.54	595	0.5	1.9	17	0.9	184	< 0.1	8.1	0.268	0.71	2.6	91	< 0.1	11.0	52	96.4
178409	0.073	87.0	8.1	< 1	1.84	697	0.4	1.3	16	1.0	229	< 0.1	8.2	0.238	0.61	2.7	84	< 0.1	10.8	65	96.1
178410	0.068	69.4	8.9	< 1	1.83	647	0.4	0.7	15	0.6	219	< 0.1	7.4	0.244	0.49	2.3	87	< 0.1	10.3	83	91.1
178411	0.070	90.7	8.6	< 1	1.85	620	0.8	1.4	18	0.8	184	< 0.1	8.5	0.286	0.67	2.6	100	< 0.1	11.3	98	98.2
178412	< 0.001	50.6	4.0	< 1	< 0.01	28	0.1	0.1	< 1	< 0.1	16	< 0.1	< 0.1	< 0.001	0.55	< 0.1	8	< 0.1	0.9	< 1	9.1

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		4.96	23.7	317	> 2000	1040	1	1440	0.77	2.2	12	5.8	9	977	2.7	21.0	1.0	0.04	5.5	16.5	0.065	0.6	40.3
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		7.04	2.8	85	500	94	2	18.9	0.89	0.4	91	11.4	34	6610	2.8	2.91	1.4	3.39	43.2	15.8	0.571	7.4	44.6
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		8.35		< 1		565	3		0.86		70	13.6	29	28.7	4.0	4.36	0.8	2.00	27.9	48.5	1.65	0.2	36.5
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		13.4	0.3	178	< 100	1380	1	0.2	0.16	< 0.1	25	10.0	36	60.4	4.0	4.79	2.2	1.42	8.3	53.1	0.112	0.2	24.3
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						94						44.1	171	86.7					2.8	6.5		1.1	292
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
OREAS203 Meas	885																						
OREAS203 Cert	871.000																						
SBC-1 Meas				21		552	4	0.7		0.4	88	18.0	65	36.9	8.3		3.9		37.1	238		10.5	97.4
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		8.84		7		172	< 1	0.3	0.16		30	24.9	504	354	3.9	13.8	2.3	0.35	12.7	30.6	0.104	0.2	272
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						932	8	1.1		5.0	83	10.9	27	237	1.8		3.9		34.3	24.8		1.4	58.1
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	476																						
OREAS 251 (FA-Anaster) Cert	504																						
178112 Orig	< 5																						
178112 Dup	< 5																						
178397 Orig	< 5																						
178397 Dup	< 5																						
178404 Orig		7.54	0.5	10	> 2000	520	< 1	0.3	2.52	0.3	18	11.2	56	66.5	1.0	4.96	0.9	0.83	7.7	19.8	2.45	< 0.1	47.7
178404 Dup		7.56	0.7	10	> 2000	540	< 1	0.3	2.48	0.4	18	11.2	57	64.9	1.0	4.90	0.9	0.81	7.8	20.1	2.45	0.9	48.9
178407 Orig	< 5																						
178407 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	0.3	< 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	0.054	2.2	793	< 1	0.29	797	13.1	17.9	< 1	23.6	274	< 0.1	2.5	0.027	0.29	31.9	68	141	20.7	819	29.2
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													931			2630					
DH-1a Cert													910			2629					
GXR-4 Meas	0.142	113	50.3	2	1.78	139	266	4.1	8	6.5	209	0.6	20.7	0.259	3.13	6.1	80	35.7	11.1	78	35.2
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	82.0	25.1		1.01	820		< 0.1	14	< 0.1	158	< 0.1	12.0	0.062	0.55	2.9	27	< 0.1		114	19.3
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	0.027	51.6	95.9	< 1	0.57	909	0.6	0.6	24	0.4	38	< 0.1	4.6		2.00	1.3	100	< 0.1	8.7	132	56.9
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		2.7	6.2					0.3	31		140			0.267			126		13.0	69	32.3
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
OREAS203 Meas																					
OREAS203 Cert																					
SBC-1 Meas		106	38.2				1.8	1.0	20	3.2	175	0.8	16.5	0.455	0.87	6.4	185	1.3	26.0	215	102
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	0.034	32.1	22.2	< 1	0.22	484	0.4	< 0.1	53	0.5	31	< 0.1	15.0	0.238	0.18	2.9	114	< 0.1	8.9	45	66.7
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		73.5	895				7.9		4		143	< 0.1	13.9			2.5	25	< 0.1	20.7	945	94.6
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																					
178112 Orig																					
178112 Dup																					
178397 Orig																					
178397 Dup																					
178404 Orig	0.065	20.4	17.4	< 1	1.45	820	1.0	1.1	18	1.1	277	< 0.1	1.9	0.175	0.17	0.9	75	< 0.1	13.7	108	23.0
178404 Dup	0.067	20.2	18.5	< 1	1.46	797	2.1	1.4	17	0.8	278	< 0.1	1.8	0.187	0.17	0.9	82	1.2	13.5	109	24.7
178407 Orig																					
178407 Dup																					
Method Blank																					
Method Blank																					
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	8	0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	15	< 0.1	< 0.1	< 1	0.2



Date Submitted: 16-Sep-16
Invoice No.: A16-09462
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

35 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09462**

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: 16-Sep-16
Invoice No.: A16-09462
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

35 Core samples were submitted for analysis.

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

REPORT **A16-09462**

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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 Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A16-09462

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
178413	32	7.71	0.3	316	< 100	446	1	0.2	5.20	0.1	41	26.3	253	65.0	6.2	4.33	2.8	2.20	18.3	34.0	0.702	3.9	258
178414	7	6.32	0.3	58	< 100	138	< 1	0.1	5.82	< 0.1	29	39.0	546	43.6	2.6	5.70	2.5	0.68	12.4	49.3	1.28	2.3	503
178415	< 5	8.03	0.3	39	< 100	308	< 1	0.2	4.32	< 0.1	41	30.6	357	186	5.6	5.21	3.6	1.46	17.7	36.4	1.81	3.6	282
178416	11	6.04	0.3	55	< 100	284	< 1	0.4	3.79	0.2	29	27.7	365	131	5.2	5.75	2.8	1.02	12.3	44.8	1.01	3.7	226
178417	11	6.40	0.4	38	< 100	172	< 1	0.4	4.38	< 0.1	26	26.9	474	53.4	4.2	6.23	2.4	0.60	10.9	55.0	1.44	1.0	245
178418	27	5.72	0.4	29	< 100	186	< 1	0.7	3.71	0.1	24	28.3	63	62.8	5.2	5.64	2.0	0.85	11.1	42.9	1.06	2.3	76.6
178419	71	7.06	0.2	5	100	242	< 1	< 0.1	3.38	< 0.1	26	17.4	73	53.3	8.0	4.98	2.6	1.31	11.9	44.5	0.950	1.1	64.9
178420	483	8.28	0.1	102	200	429	< 1	< 0.1	3.31	0.1	16	10.1	25	45.5	0.7	4.33	0.8	0.72	6.5	9.8	2.56	0.4	24.0
178421	8	6.13	0.1	11	< 100	189	< 1	0.1	2.33	< 0.1	33	15.3	58	24.9	6.2	4.43	2.4	1.09	16.1	49.4	0.637	1.4	54.2
178422	44	7.20	0.1	11	< 100	250	< 1	0.2	2.87	< 0.1	33	24.0	79	48.3	8.2	5.29	2.8	1.41	15.4	52.6	0.966	1.7	75.1
178423	9	6.79	0.1	11	< 100	215	< 1	0.1	3.56	0.1	29	20.2	66	52.9	7.1	5.51	2.5	1.33	14.0	57.9	0.417	2.6	76.3
178424	13	6.68	0.1	7	< 100	227	< 1	< 0.1	4.68	0.1	27	17.5	64	64.0	8.0	5.45	2.3	1.41	12.0	55.5	0.392	2.3	65.5
178425	18	6.10	0.2	6	< 100	219	< 1	< 0.1	5.17	0.1	28	15.2	65	83.9	6.6	4.96	2.2	0.84	12.4	64.6	1.02	0.8	65.6
178426	13	7.05	0.2	8	< 100	58	< 1	0.2	3.64	< 0.1	8	40.8	62	66.9	3.5	7.58	1.9	0.35	2.4	39.6	2.16	0.7	75.1
178427	7	6.92	< 0.1	2	< 100	77	< 1	< 0.1	5.72	< 0.1	10	33.1	48	77.0	5.3	7.20	1.2	0.68	3.6	45.1	1.04	< 0.1	56.6
178428	< 5	7.63	< 0.1	< 1	< 100	208	< 1	< 0.1	4.42	< 0.1	13	39.1	9	93.8	1.0	8.15	2.1	0.62	5.3	21.9	2.90	0.1	55.1
178429	12	7.76	< 0.1	< 1	< 100	211	< 1	< 0.1	4.26	< 0.1	13	39.1	9	97.5	1.0	8.20	2.2	0.61	5.2	21.8	2.95	1.0	52.8
178430	< 5	7.39	< 0.1	1	< 100	225	< 1	< 0.1	4.22	< 0.1	13	39.6	10	92.0	1.1	8.27	2.1	0.69	5.2	19.6	2.62	1.5	52.7
178431	7	7.63	0.2	2	< 100	260	< 1	< 0.1	4.32	< 0.1	13	40.3	8	97.1	1.3	8.38	2.2	0.99	5.1	23.0	2.33	2.1	56.0
178432	8	7.59	0.1	2	< 100	199	< 1	< 0.1	4.46	< 0.1	13	39.2	9	103	1.1	8.38	2.1	0.94	5.2	24.3	2.43	2.2	48.8
178433	< 5	7.61	< 0.1	< 1	< 100	175	< 1	< 0.1	4.06	< 0.1	13	39.6	11	90.6	1.0	8.38	2.1	0.93	5.2	24.9	2.23	0.2	47.0
178434	12	6.64	0.1	2	< 100	155	< 1	0.2	5.77	< 0.1	12	34.9	28	91.5	0.7	7.57	2.1	0.75	4.6	15.2	2.89	2.4	41.9
178435	< 5	7.27	< 0.1	2	< 100	60	< 1	< 0.1	5.02	< 0.1	16	37.4	8	109	0.5	9.10	2.1	0.29	6.1	26.1	1.62	< 0.1	37.2
178436	5	6.42	< 0.1	< 1	< 100	63	< 1	< 0.1	3.51	< 0.1	18	34.8	4	106	0.6	9.82	2.5	0.28	6.7	26.5	1.65	< 0.1	21.3
178437	< 5	6.84	< 0.1	2	< 100	47	< 1	< 0.1	6.38	< 0.1	14	31.7	6	96.9	0.6	7.72	0.8	0.19	5.6	26.0	1.00	< 0.1	32.7
178438	3490	6.92	0.4	7	> 2000	504	< 1	0.4	2.38	0.3	17	9.6	44	59.1	1.0	4.43	0.6	0.73	7.4	21.9	2.32	< 0.1	41.7
178439	10	7.33	0.2	< 1	< 100	83	< 1	0.1	6.23	< 0.1	11	32.6	31	109	0.6	6.95	1.5	0.44	4.1	18.4	3.03	< 0.1	62.8
178440	< 5	7.63	0.2	3	< 100	141	< 1	< 0.1	5.27	< 0.1	12	37.3	45	93.0	0.9	7.86	1.9	0.58	4.6	27.0	2.65	1.6	64.1
178441	< 5	7.42	0.1	7	< 100	66	< 1	< 0.1	6.76	< 0.1	12	38.1	52	99.1	0.5	7.82	1.9	0.25	4.7	22.0	2.06	1.4	67.4
178442	< 5	7.01	< 0.1	8	< 100	57	< 1	< 0.1	6.46	< 0.1	11	36.4	57	99.4	0.4	7.33	1.9	0.22	4.3	21.5	2.26	2.3	64.4
178443	10	7.09	< 0.1	5	< 100	110	< 1	< 0.1	5.30	< 0.1	12	37.7	49	92.0	0.9	7.94	2.0	0.42	4.7	30.8	2.06	2.5	66.1
178444	< 5	7.85	< 0.1	3	< 100	84	< 1	< 0.1	6.46	< 0.1	12	36.1	56	95.2	0.6	7.43	1.7	0.36	4.8	20.3	2.29	0.2	64.4
178445	18	6.69	< 0.1	3	< 100	96	< 1	< 0.1	5.72	< 0.1	16	35.1	58	97.0	0.7	7.66	2.0	0.37	7.0	16.5	2.02	3.3	55.8
178446	< 5	10.7	< 0.1	< 1	< 100	8	< 1	< 0.1	0.14	< 0.1	1	< 0.2	< 1	0.9	0.6	0.09	0.1	3.13	0.6	29.5	9.07	< 0.1	< 0.1
178447	< 5	7.51	< 0.1	< 1	< 100	205	< 1	< 0.1	5.50	< 0.1	7	38.7	22	138	0.8	8.72	1.3	0.53	2.5	20.6	1.77	< 0.1	61.1

Results

Activation Laboratories Ltd.

Report: A16-09462

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
178413	0.088	75.1	7.9	< 1	2.98	1040	1.0	8.1	18	0.6	406	0.3	6.0	0.304	0.55	1.7	104	3.7	10.6	66	87.8
178414	0.074	23.8	4.7	< 1	5.74	1120	1.1	3.8	21	0.4	312	0.2	3.4	0.255	0.13	0.9	127	1.3	8.7	101	80.3
178415	0.088	51.2	9.7	< 1	3.74	1010	0.9	2.9	18	0.6	181	0.2	4.8	0.317	0.32	1.4	107	0.8	10.7	134	118
178416	0.070	24.9	31.9	< 1	3.44	1030	2.3	6.0	17	0.4	207	0.3	5.1	0.309	0.25	1.8	106	1.2	8.5	188	84.8
178417	0.066	21.2	11.5	< 1	4.33	1300	2.6	1.4	19	0.5	215	< 0.1	3.2	0.315	0.11	1.0	117	1.5	8.5	132	70.6
178418	0.040	29.6	9.4	1	1.99	1260	0.6	4.9	15	0.3	103	0.1	3.1	0.234	0.22	0.8	87	0.5	7.4	71	58.7
178419	0.045	46.5	4.1	< 1	1.79	1030	0.3	1.6	17	0.3	122	< 0.1	4.4	0.282	0.31	1.2	98	< 0.1	9.3	68	82.9
178420	0.045	15.2	12.7	< 1	1.36	881	0.7	0.5	19	0.4	304	< 0.1	1.8	0.153	0.07	0.7	70	< 0.1	14.5	66	16.6
178421	0.033	37.5	4.6	< 1	1.31	641	0.5	2.1	11	0.6	122	< 0.1	6.0	0.218	0.25	6.6	72	< 0.1	8.0	65	71.2
178422	0.046	47.4	4.8	< 1	1.65	895	0.6	2.5	18	0.6	124	< 0.1	5.9	0.290	0.36	2.1	105	< 0.1	9.2	74	84.9
178423	0.041	43.6	5.9	< 1	1.90	1050	0.8	3.0	19	0.6	132	0.2	4.8	0.263	0.31	1.3	105	0.4	8.8	82	77.0
178424	0.045	48.4	5.5	< 1	2.02	1490	0.4	3.2	19	0.5	123	0.2	3.4	0.286	0.33	1.0	106	0.2	8.1	74	72.9
178425	0.045	30.4	3.3	< 1	1.63	1100	0.7	1.0	16	0.4	87	< 0.1	3.5	0.257	0.18	1.0	86	< 0.1	9.2	85	67.9
178426	0.027	19.7	3.2	< 1	3.52	1270	0.5	0.5	34	0.3	62	< 0.1	1.0	0.384	0.10	0.3	190	< 0.1	10.1	128	55.0
178427	0.026	46.3	3.0	< 1	3.75	1010	< 0.1	0.3	34	< 0.1	93	< 0.1	0.9	0.247	0.28	0.3	134	< 0.1	8.3	130	33.2
178428	0.030	17.6	2.8	< 1	3.48	1400	0.2	< 0.1	35	< 0.1	141	< 0.1	1.2	0.389	0.12	0.4	183	< 0.1	16.3	105	58.8
178429	0.033	18.0	2.8	< 1	3.47	1410	0.2	< 0.1	36	< 0.1	141	< 0.1	1.2	0.466	0.13	0.3	201	< 0.1	16.1	109	63.4
178430	0.032	20.5	3.2	< 1	3.50	1470	0.2	< 0.1	36	< 0.1	205	< 0.1	1.2	0.460	0.15	0.3	199	< 0.1	16.3	107	61.2
178431	0.033	31.5	3.5	< 1	3.64	1530	0.3	0.2	36	0.3	204	0.1	1.2	0.502	0.27	0.3	212	< 0.1	15.7	114	59.9
178432	0.034	28.9	3.0	< 1	3.62	1540	0.3	< 0.1	37	0.3	207	0.2	1.1	0.525	0.24	0.3	215	< 0.1	16.0	107	61.8
178433	0.030	28.3	4.0	< 1	3.57	1520	< 0.1	< 0.1	36	< 0.1	230	< 0.1	1.1	0.381	0.23	0.3	191	< 0.1	16.0	115	58.2
178434	0.030	18.1	3.9	< 1	2.86	1390	0.5	0.4	32	0.5	185	0.2	1.0	0.444	0.16	0.3	197	1.7	14.7	103	59.0
178435	0.036	7.5	5.0	< 1	2.87	1460	< 0.1	< 0.1	35	< 0.1	190	< 0.1	1.3	0.371	< 0.05	0.4	185	< 0.1	18.2	171	56.9
178436	0.041	7.2	4.4	< 1	2.54	1480	< 0.1	< 0.1	29	0.8	111	< 0.1	1.6	0.388	< 0.05	0.5	180	< 0.1	20.5	188	71.2
178437	0.032	5.2	5.6	< 1	2.58	1450	0.1	< 0.1	31	0.3	221	< 0.1	1.2	0.180	< 0.05	0.5	109	< 0.1	16.6	131	22.1
178438	0.056	18.8	18.4	< 1	1.37	727	0.3	0.3	16	0.4	259	< 0.1	2.1	0.121	0.18	11.7	65	< 0.1	12.7	102	15.9
178439	0.026	11.5	6.5	< 1	3.47	1340	0.2	< 0.1	33	0.3	162	< 0.1	0.9	0.322	0.05	0.2	160	< 0.1	13.4	116	37.3
178440	0.031	18.9	2.3	< 1	3.58	1540	1.7	0.3	38	0.6	131	< 0.1	1.0	0.441	0.14	0.3	205	< 0.1	15.6	102	53.3
178441	0.028	5.7	3.5	< 1	2.84	1510	0.4	< 0.1	37	< 0.1	211	< 0.1	1.0	0.436	< 0.05	0.3	210	< 0.1	15.9	100	49.7
178442	0.028	3.7	3.1	< 1	2.53	1440	0.6	0.3	35	0.5	194	0.2	0.9	0.453	< 0.05	0.3	208	2.0	15.2	95	50.6
178443	0.030	12.1	2.8	< 1	3.60	1470	0.3	0.3	35	0.4	166	0.2	1.0	0.475	0.10	0.3	214	< 0.1	15.5	102	53.1
178444	0.028	12.2	3.6	< 1	3.05	1430	0.2	< 0.1	38	< 0.1	195	< 0.1	1.0	0.365	0.06	0.3	181	< 0.1	15.2	105	44.7
178445	0.030	10.1	3.2	< 1	2.61	1470	< 0.1	< 0.1	32	< 0.1	240	< 0.1	0.9	0.288	0.06	1.9	234	< 0.1	21.3	96	52.3
178446	< 0.001	44.0	4.3	< 1	< 0.01	23	< 0.1	< 0.1	< 1	0.1	16	< 0.1	0.1	< 0.001	0.53	0.1	6	< 0.1	1.0	< 1	6.2
178447	0.021	13.3	3.5	< 1	3.85	1580	< 0.1	< 0.1	40	< 0.1	201	< 0.1	0.3	0.224	0.09	0.2	183	< 0.1	15.4	122	32.9

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		4.96	23.7	317	> 2000	1040	1	1440	0.77	2.2	12	5.8	9	977	2.7	21.0	1.0	0.04	5.5	16.5	0.065	0.6	40.3
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		7.04	2.8	85	500	94	2	18.9	0.89	0.4	91	11.4	34	6610	2.8	2.91	1.4	3.39	43.2	15.8	0.571	7.4	44.6
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		8.35		< 1		565	3		0.86		70	13.6	29	28.7	4.0	4.36	0.8	2.00	27.9	48.5	1.65	0.2	36.5
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		13.4	0.3	178	< 100	1380	1	0.2	0.16	< 0.1	25	10.0	36	60.4	4.0	4.79	2.2	1.42	8.3	53.1	0.112	0.2	24.3
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						94						44.1	171	86.7					2.8	6.5		1.1	292
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
OREAS203 Meas	906																						
OREAS203 Cert	871.000																						
SBC-1 Meas				21		552	4	0.7		0.4	88	18.0	65	36.9	8.3		3.9		37.1	238		10.5	97.4
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		8.84		7		172	< 1	0.3	0.16		30	24.9	504	354	3.9	13.8	2.3	0.35	12.7	30.6	0.104	0.2	272
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						932	8	1.1		5.0	83	10.9	27	237	1.8		3.9		34.3	24.8		1.4	58.1
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	509																						
OREAS 251 (FA-Anaster) Cert	504																						
178417 Orig		6.28	0.4	39	< 100	171	< 1	0.4	4.39	< 0.1	26	26.5	481	51.8	4.3	6.26	2.4	0.60	10.9	54.4	1.41	0.9	245
178417 Dup		6.51	0.3	38	< 100	173	< 1	0.5	4.37	< 0.1	26	27.3	468	54.9	4.2	6.20	2.4	0.61	10.9	55.6	1.46	1.0	245
178422 Orig	45																						
178422 Dup	42																						
178427 Orig		6.99	< 0.1	2	< 100	77	< 1	< 0.1	5.67	< 0.1	10	33.4	52	76.1	5.2	7.26	1.2	0.68	3.7	45.1	1.04	< 0.1	55.0
178427 Dup		6.85	< 0.1	2	< 100	77	< 1	< 0.1	5.77	< 0.1	10	32.8	45	77.9	5.4	7.14	1.1	0.69	3.6	45.1	1.04	< 0.1	58.3
178432 Orig	5																						
178432 Dup	10																						
178442 Orig	< 5																						
178442 Dup	< 5																						
178445 Orig		6.61	< 0.1	3	< 100	95	< 1	< 0.1	5.59	< 0.1	15	34.5	60	97.1	0.7	7.55	2.1	0.36	6.9	16.2	2.01	2.6	54.2
178445 Dup		6.77	< 0.1	4	< 100	96	< 1	< 0.1	5.86	< 0.1	16	35.6	57	96.9	0.7	7.76	1.9	0.38	7.2	16.9	2.03	4.0	57.4

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
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	0.3	< 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	0.054	2.2	793	< 1	0.29	797	13.1	17.9	< 1	23.6	274	< 0.1	2.5	0.027	0.29	31.9	68	141	20.7	819	29.2
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													931			2630					
DH-1a Cert													910			2629					
GXR-4 Meas	0.142	113	50.3	2	1.78	139	266	4.1	8	6.5	209	0.6	20.7	0.259	3.13	6.1	80	35.7	11.1	78	35.2
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	82.0	25.1		1.01	820		< 0.1	14	< 0.1	158	< 0.1	12.0	0.062	0.55	2.9	27	< 0.1		114	19.3
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	0.027	51.6	95.9	< 1	0.57	909	0.6	0.6	24	0.4	38	< 0.1	4.6		2.00	1.3	100	< 0.1	8.7	132	56.9
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		2.7	6.2					0.3	31		140			0.267			126		13.0	69	32.3
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
OREAS203 Meas																					
OREAS203 Cert																					
SBC-1 Meas		106	38.2				1.8	1.0	20	3.2	175	0.8	16.5	0.455	0.87	6.4	185	1.3	26.0	215	102
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	0.034	32.1	22.2	< 1	0.22	484	0.4	< 0.1	53	0.5	31	< 0.1	15.0	0.238	0.18	2.9	114	< 0.1	8.9	45	66.7
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		73.5	895				7.9		4		143	< 0.1	13.9			2.5	25	< 0.1	20.7	945	94.6
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																					
178417 Orig	0.066	21.1	11.0	< 1	4.33	1290	2.9	1.5	19	0.6	213	< 0.1	3.1	0.325	0.11	0.9	118	1.4	8.5	132	70.4
178417 Dup	0.066	21.3	12.0	< 1	4.34	1310	2.4	1.2	19	0.5	218	< 0.1	3.2	0.306	0.11	1.0	116	1.6	8.6	131	70.9
178422 Orig																					
178422 Dup																					
178427 Orig	0.026	46.5	3.0	< 1	3.75	1000	< 0.1	0.3	34	0.3	94	< 0.1	0.9	0.258	0.28	0.3	137	< 0.1	8.3	128	33.5
178427 Dup	0.025	46.1	2.9	< 1	3.75	1020	< 0.1	0.3	34	< 0.1	91	< 0.1	0.9	0.237	0.28	0.3	131	< 0.1	8.2	131	32.9
178432 Orig																					
178432 Dup																					
178442 Orig																					
178442 Dup																					
178445 Orig	0.032	10.0	3.2	< 1	2.53	1470	0.3	0.4	32	0.6	237	0.2	0.6	0.323	0.05	0.4	211	0.1	21.0	92	54.7
178445 Dup	0.029	10.2	3.2	< 1	2.68	1480	< 0.1	< 0.1	32	< 0.1	243	< 0.1	1.1	0.253	0.06	3.3	258	< 0.1	21.5	100	49.9
Method Blank																					
Method Blank																					

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
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	8	0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	15	< 0.1	< 0.1	< 1	0.2



Date Submitted: 20-Sep-16
Invoice No.: A16-09592
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

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-09592**

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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 stylized and somewhat cursive, written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Date Submitted: 20-Sep-16
Invoice No.: A16-09592
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

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

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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



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

Emmanuel Esemé , Ph.D.
Quality Control

Results

Activation Laboratories Ltd.

Report: A16-09592

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
178620	< 5	8.00	5.8	41	< 100	481	1	0.5	3.05	0.1	56	21.8	97	74.3	2.9	4.28	3.0	1.52	26.8	33.7	2.55	0.5	60.6
178621	< 5	9.28	0.9	17	< 100	612	2	0.4	2.63	0.1	54	26.5	103	78.9	3.2	5.79	2.8	1.64	26.4	45.6	2.92	0.2	71.9
178622	< 5	9.05	0.6	14	< 100	632	1	0.4	2.76	< 0.1	54	26.9	109	83.0	3.1	6.20	2.8	1.63	26.4	47.1	2.64	0.8	69.0
178623	5	8.59	0.4	19	< 100	667	1	0.3	2.94	< 0.1	58	27.8	126	77.5	3.2	5.87	3.3	1.78	28.2	43.3	2.82	3.3	79.5
178624	419	8.85	0.3	142	200	440	< 1	0.1	3.92	0.1	18	13.1	40	53.9	0.7	4.81	1.1	1.15	8.1	7.4	2.47	1.9	23.4
178625	< 5	9.07	0.8	12	< 100	482	1	0.3	2.45	< 0.1	54	22.9	90	62.2	2.0	4.80	3.0	1.09	26.5	39.3	3.73	0.6	66.2
178626	< 5	8.02	0.4	31	< 100	704	2	0.3	3.38	< 0.1	60	27.7	129	72.7	3.7	5.51	3.1	2.05	29.0	45.8	2.13	1.1	81.6
178627	< 5	8.07	0.3	19	< 100	594	1	0.3	3.73	< 0.1	45	28.1	162	75.0	2.8	6.16	3.1	1.62	18.1	48.9	2.04	5.3	82.7
178628	< 5	7.74	0.3	16	< 100	598	1	0.3	3.69	< 0.1	47	27.2	162	72.4	2.9	6.02	3.0	1.67	22.9	48.3	2.03	3.6	81.2
178629	< 5	8.18	0.2	8	< 100	422	< 1	0.3	2.33	< 0.1	35	25.7	91	76.6	3.9	5.19	3.0	2.57	16.6	47.1	1.33	0.5	62.8
178630	< 5	8.25	0.2	7	< 100	372	< 1	0.1	3.10	< 0.1	24	31.9	84	79.5	3.5	7.01	2.5	2.29	10.6	58.6	1.05	0.5	70.4
178631	< 5	8.16	0.2	7	< 100	346	< 1	< 0.1	2.29	0.1	24	30.6	82	74.2	3.2	6.99	2.2	2.06	10.4	57.9	1.26	0.4	64.7
178632	< 5	7.95	0.2	19	< 100	471	< 1	0.1	2.15	0.2	26	36.8	100	80.9	4.3	7.56	2.9	2.36	11.2	58.0	1.06	3.5	79.7
178633	< 5	7.90	0.7	29	< 100	547	1	0.3	3.14	< 0.1	49	27.6	116	62.1	3.8	5.66	3.1	2.14	24.0	43.2	1.99	4.4	75.2
178634	< 5	8.44	0.4	32	< 100	527	1	0.3	3.28	0.1	51	27.5	109	62.4	3.7	6.07	3.0	2.09	25.0	45.6	2.04	1.1	74.4
178635	< 5	7.82	0.3	18	< 100	483	1	0.4	2.28	0.1	58	29.2	111	75.2	2.6	5.59	3.2	1.52	27.8	49.6	3.13	4.8	86.1
178636	< 5	9.06	0.3	18	< 100	497	1	0.3	2.25	0.1	57	30.0	143	69.7	2.8	6.06	3.4	1.70	24.4	54.8	3.04	6.6	86.8
178637	< 5	7.70	< 0.1	13	< 100	459	1	0.3	2.49	0.1	52	30.2	142	72.0	2.8	6.00	3.1	1.50	24.7	51.4	2.63	3.0	83.2
178638	< 5	8.48	0.2	12	< 100	584	1	0.1	2.40	0.1	33	31.2	113	74.7	3.2	6.40	3.1	1.90	14.9	47.9	2.47	1.9	75.5
178639	< 5	8.11	0.2	10	< 100	523	1	0.2	2.54	0.1	33	29.6	89	64.8	3.6	6.22	2.6	1.83	15.2	47.0	2.28	0.4	72.9
178640	< 5	8.17	0.2	10	< 100	432	1	0.3	2.08	0.2	45	28.8	116	67.0	3.3	7.05	2.8	1.77	20.9	51.9	2.15	1.1	80.6
178641	< 5	8.39	0.6	7	< 100	309	1	0.2	3.17	0.1	57	26.5	135	67.0	2.4	5.45	3.1	1.19	27.5	51.9	2.60	0.8	80.1
178642	3630	7.34	0.9	11	> 2000	530	< 1	0.4	2.58	0.3	21	13.3	57	67.5	1.0	5.18	1.0	1.21	10.0	15.2	2.35	0.6	41.5
178643	< 5	9.07	0.4	8	< 100	430	1	0.3	2.52	0.1	53	28.1	116	74.9	2.6	6.00	2.8	1.43	25.6	44.3	2.75	0.7	75.4
178644	< 5	9.03	0.3	9	< 100	388	1	0.3	2.17	0.1	43	22.1	84	61.1	2.1	4.77	3.0	1.27	20.3	35.9	3.57	1.7	58.5
178645	15	8.66	0.2	31	< 100	402	1	0.2	3.10	0.2	44	32.9	127	77.1	3.5	6.97	2.9	1.91	20.7	48.7	1.72	0.8	84.3
178646	13	8.93	0.2	72	< 100	472	< 1	0.2	2.26	0.1	29	34.6	101	76.2	5.1	6.86	3.0	2.77	13.0	37.6	1.18	3.7	78.6
178647	< 5	7.07	0.2	75	< 100	403	< 1	0.2	3.39	< 0.1	28	28.2	142	80.2	3.8	6.15	2.6	1.92	11.3	27.6	1.57	5.4	89.8
178648	< 5	5.45	0.1	134	< 100	124	< 1	< 0.1	5.30	< 0.1	20	44.8	887	55.8	1.5	6.21	1.9	0.41	8.4	63.2	1.15	0.8	360
178649	< 5	5.18	0.1	175	< 100	355	< 1	< 0.1	4.47	< 0.1	20	46.8	861	59.5	2.0	6.14	1.8	0.80	8.8	39.5	1.24	0.6	401
178650	< 5	0.01	0.7	< 1	< 100	105	< 1	< 0.1	18.4	0.2	2	0.5	9	1.8	0.5	0.13	< 0.1	0.03	1.1	11.9	0.022	0.2	3.9
178651	< 5	6.38	0.3	61	< 100	204	< 1	0.1	4.57	< 0.1	38	40.2	518	54.3	1.8	5.47	2.7	0.66	17.4	53.7	1.38	1.1	390
178652	< 5	6.84	0.3	24	< 100	272	< 1	0.1	4.63	< 0.1	47	34.3	413	56.1	2.6	4.97	3.2	1.22	22.2	37.3	1.50	3.2	324
178653	< 5	7.49	0.2	15	< 100	328	< 1	0.1	4.14	< 0.1	43	37.6	334	48.9	3.3	4.85	3.3	1.68	19.8	31.1	1.52	3.6	348

Results

Activation Laboratories Ltd.

Report: A16-09592

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
178620	0.080	40.3	18.7	< 1	2.07	850	10.0	0.7	17	1.3	398	< 0.1	8.4	0.267	0.45	2.2	97	0.2	11.0	86	113	
178621	0.089	43.5	20.8	< 1	2.16	876	3.8	0.4	19	1.4	290	< 0.1	8.3	0.270	0.49	2.1	107	< 0.1	12.2	96	98.2	
178622	0.099	42.5	18.4	< 1	2.15	903	2.7	0.6	20	1.3	294	< 0.1	8.1	0.323	0.48	2.0	123	0.2	12.2	94	104	
178623	0.095	47.5	20.6	< 1	2.27	997	2.7	1.0	21	1.3	307	0.1	8.4	0.377	0.49	2.1	134	0.5	12.8	101	124	
178624	0.055	16.3	13.7	< 1	1.49	919	4.7	0.6	20	1.4	275	< 0.1	2.3	0.289	0.14	0.8	111	0.4	15.3	68	34.3	
178625	0.096	28.2	22.4	< 1	1.83	854	1.5	0.5	14	1.0	359	< 0.1	7.3	0.270	0.32	2.1	95	0.2	10.6	90	114	
178626	0.107	52.4	17.7	< 1	2.56	1020	1.6	0.6	18	1.3	346	< 0.1	8.4	0.326	0.56	2.3	121	0.3	12.5	90	122	
178627	0.091	37.5	15.9	< 1	2.06	1050	2.2	2.1	19	1.2	286	0.4	6.5	0.378	0.49	1.7	130	1.4	11.0	90	122	
178628	0.088	42.7	15.1	< 1	1.95	1050	1.7	1.5	20	1.1	294	0.2	7.1	0.347	0.50	1.8	127	0.7	11.5	85	120	
178629	0.048	61.0	9.4	< 1	1.43	889	1.4	0.3	20	1.2	136	< 0.1	5.8	0.326	0.69	1.7	116	< 0.1	9.6	103	112	
178630	0.043	56.9	8.3	< 1	1.57	1530	0.7	0.8	25	0.9	156	< 0.1	2.6	0.340	0.69	0.7	133	< 0.1	9.5	106	93.8	
178631	0.042	50.6	8.6	< 1	1.52	1180	0.5	0.8	23	0.9	139	< 0.1	2.6	0.296	0.66	0.7	114	< 0.1	8.9	111	82.5	
178632	0.045	56.7	8.5	< 1	1.60	1430	1.2	1.6	28	1.1	133	0.2	2.8	0.443	0.74	0.8	178	0.3	10.0	139	113	
178633	0.082	53.2	11.5	< 1	2.06	1060	2.3	1.8	20	1.4	271	0.2	7.1	0.358	0.62	1.9	124	1.1	11.9	101	123	
178634	0.081	52.0	20.9	< 1	2.34	1130	2.3	1.1	20	1.2	280	< 0.1	7.2	0.334	0.61	1.9	122	0.3	12.4	100	118	
178635	0.104	37.4	17.3	< 1	2.17	911	2.2	3.0	19	1.3	251	0.2	7.9	0.366	0.44	2.2	129	1.1	12.9	117	131	
178636	0.104	40.7	12.0	< 1	2.35	1000	2.7	4.4	18	1.2	236	0.5	7.7	0.373	0.50	2.2	131	2.7	12.9	118	139	
178637	0.092	42.3	16.0	< 1	2.22	1020	1.0	1.5	19	1.2	241	< 0.1	6.9	< 0.001	0.44	1.0	131	0.5	12.5	120	125	
178638	0.055	50.7	11.3	< 1	2.15	898	1.7	1.1	25	1.2	212	< 0.1	3.9	0.409	0.54	1.1	156	0.2	11.1	121	125	
178639	0.055	51.5	8.2	< 1	2.10	960	0.8	0.6	22	0.9	209	< 0.1	3.9	0.294	0.51	1.1	118	< 0.1	10.5	113	102	
178640	0.083	43.8	8.7	< 1	1.89	908	1.8	0.9	20	1.0	171	< 0.1	6.4	0.344	0.47	1.7	133	0.1	11.9	118	119	
178641	0.095	35.1	10.1	< 1	3.00	1090	1.3	1.0	20	1.0	288	< 0.1	7.7	0.320	0.34	2.1	113	0.2	12.0	110	125	
178642	0.065	23.0	22.4	< 1	1.46	768	2.0	1.2	16	1.2	260	< 0.1	2.2	0.193	0.25	0.9	79	0.8	14.6	101	39.8	
178643	0.085	42.6	10.5	< 1	2.10	1000	1.0	0.9	21	1.0	256	< 0.1	8.1	0.306	0.43	2.1	123	0.2	13.1	107	116	
178644	0.076	33.6	9.2	< 1	1.81	799	0.9	1.0	17	0.9	289	< 0.1	6.2	0.293	0.35	1.8	103	0.2	10.6	93	117	
178645	0.076	51.4	10.0	< 1	2.35	1240	1.0	2.6	25	1.0	263	< 0.1	5.4	0.360	0.56	1.4	145	0.3	11.6	109	114	
178646	0.045	68.6	8.2	< 1	1.61	1150	1.1	2.7	26	1.2	203	0.1	3.7	0.443	0.80	1.0	167	1.5	10.6	104	120	
178647	0.058	40.6	5.8	< 1	2.32	1360	1.3	6.8	19	1.1	267	0.4	3.6	0.330	0.53	1.0	118	2.5	8.7	74	104	
178648	0.066	11.6	2.3	< 1	5.93	1230	0.6	0.7	21	0.3	400	< 0.1	1.9	0.289	0.10	0.5	108	< 0.1	8.0	89	77.6	
178649	0.060	22.9	3.2	< 1	6.61	1170	0.5	1.2	22	0.3	347	< 0.1	1.7	0.303	0.21	0.5	114	< 0.1	7.8	81	70.8	
178650	0.004	1.0	4.2	< 1	12.0	341	0.8	0.4	< 1	0.3	187	< 0.1	0.1	0.005	0.06	0.5	< 4	0.2	0.8	27	2.5	
178651	0.064	18.6	3.9	< 1	5.66	930	2.1	2.0	17	0.9	358	< 0.1	3.6	0.313	0.16	0.8	94	< 0.1	9.3	95	102	
178652	0.066	33.2	6.0	< 1	4.51	848	1.7	2.8	14	1.3	325	< 0.1	4.6	0.291	0.29	1.9	84	0.6	9.5	97	120	
178653	0.063	46.2	7.9	< 1	4.02	779	1.6	2.5	14	1.1	303	0.1	4.4	0.305	0.42	1.0	92	0.7	9.2	94	122	

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		2.04	43.9	414	> 2000	666	< 1	1340	0.81	2.8	16	7.3	12	1060	2.9	23.6	0.6	0.05	7.8	6.9	0.042	0.8	38.4
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																							
SDC-1 Meas		9.69		< 1		590	3		1.05		81	18.1	43	32.7	4.0	5.10	1.1	2.87	36.4	35.8	1.48	0.2	36.9
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		0.08	0.3	281	< 100	1040	1	0.2	0.19	< 0.1	30	13.6	64	76.0	4.2	5.56	3.0	1.51	10.6	34.7	0.104	0.3	26.6
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						103						55.0	168	101					3.6	4.4		1.6	268
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
OREAS203 Meas	887																						
OREAS203 Cert	871.000																						
SBC-1 Meas				31		273	3	0.7		0.4	94	22.7	97	33.5	8.1		3.9		43.5	169		13.9	91.3
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		7.75		6		176	< 1	0.4	0.17		35	29.4	472	356	3.8	14.1	2.2	0.52	16.3	20.0	0.095	0.2	223
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						858	7	1.1		5.1	88	13.4	42	244	1.8		2.6		40.4	18.2		2.9	53.8
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
178629 Orig	< 5																						
178629 Dup	< 5																						
178630 Orig		8.26	0.2	7	< 100	368	< 1	0.1	3.09	< 0.1	24	31.4	83	80.4	3.5	6.87	2.7	2.26	10.6	58.4	1.05	0.7	70.7
178630 Dup		8.25	0.2	7	< 100	375	< 1	0.1	3.10	0.1	23	32.3	84	78.6	3.4	7.16	2.3	2.32	10.5	58.7	1.05	0.3	70.1
178639 Orig	< 5																						
178639 Dup	< 5																						
178649 Orig	< 5																						
178649 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.01	0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.4	< 0.1	< 0.01	< 0.1	< 0.01	0.2	< 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	0.061	2.7	714	< 1	0.19	824	20.5	20.9	1	29.0	308	< 0.1	2.9	0.026	0.39	32.8	74	152	27.0	720	24.8
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													848			2250					
DH-1a Cert													910			2629					
SDC-1 Meas	0.061	91.9	25.4		1.09	874		< 0.1	16	0.3	161	< 0.1	15.6	0.091	0.64	2.9	31	< 0.1		113	37.0
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	0.039	51.7	100	< 1	0.61	1080	0.6	0.1	28	0.6	35	< 0.1	5.1		2.14	1.4	155	< 0.1	10.4	143	105
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		3.4	6.0					0.5	32		143			0.298			137		15.3	72	41.9
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
OREAS203 Meas																					
OREAS203 Cert																					
SBC-1 Meas		78.4	36.2				3.0	1.1	22	3.4	165	1.0	16.4	0.528	0.91	5.6	217	1.9	27.3	207	137
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	37.6	21.4	< 1	0.19	466	1.2	< 0.1	49	0.5	30	< 0.1	15.9	0.156	0.25	2.9	88	1.1	10.2	48	84.0
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		88.7	748				12.6		4		135	< 0.1	15.1			2.5	25	0.2	22.7	785	96.2
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
178629 Orig																					
178629 Dup																					
178630 Orig	0.043	57.1	8.3	< 1	1.58	1500	0.9	0.8	25	0.9	155	< 0.1	2.6	0.377	0.69	0.7	148	< 0.1	9.5	106	103
178630 Dup	0.042	56.8	8.3	< 1	1.57	1560	0.6	0.7	24	0.9	156	< 0.1	2.5	0.303	0.69	0.7	118	< 0.1	9.4	106	84.6
178639 Orig																					
178639 Dup																					
178649 Orig																					
178649 Dup																					
Method Blank																					
Method Blank																					
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	8	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: 21-Sep-16
Invoice No.: A16-09643
Invoice Date: 08-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

34 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09643**

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: 21-Sep-16
Invoice No.: A16-09643
Invoice Date: 08-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

34 Rock samples were submitted for analysis.

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

REPORT **A16-09643**

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

Results

Activation Laboratories Ltd.

Report: A16-09643

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
178654	5	7.79	0.5	31	< 100	227	1	0.1	3.88	< 0.1	44	30.3	283	55.2	4.2	4.31	3.4	2.61	20.5	19.3	1.57	4.3	209
178655	37	8.26	0.3	83	< 100	431	< 1	< 0.1	3.38	< 0.1	37	23.5	307	52.3	3.7	3.71	3.2	2.39	17.0	14.9	2.31	3.3	137
178656	< 5	7.44	0.3	134	< 100	517	< 1	< 0.1	4.11	< 0.1	39	30.5	284	153	4.0	5.01	2.8	2.28	18.0	22.6	1.58	2.1	208
178657	< 5	5.42	0.2	280	< 100	367	< 1	0.1	5.20	< 0.1	21	42.8	787	67.5	2.9	6.20	1.8	1.36	8.8	25.1	1.14	3.0	288
178658	434	7.73	0.2	140	300	445	< 1	< 0.1	3.54	0.1	18	12.9	43	48.3	0.7	4.66	1.1	1.10	8.0	6.5	2.42	1.6	23.3
178659	13	4.62	0.3	171	< 100	17	< 1	0.5	1.74	0.1	20	18.9	46	72.2	3.4	7.51	2.1	1.72	8.8	5.2	0.462	3.2	75.2
178660	17	5.40	0.5	230	< 100	15	< 1	1.6	1.17	0.4	31	21.3	85	115	5.4	7.76	2.7	2.17	13.5	5.8	0.416	3.7	106
178661	13	5.62	0.3	155	< 100	14	< 1	0.4	4.00	0.1	12	37.5	68	154	3.9	8.77	2.0	1.91	4.4	5.6	0.804	3.0	92.8
178662	< 5	6.22	0.5	83	< 100	215	< 1	< 0.1	5.14	< 0.1	14	40.2	68	95.7	2.8	8.09	1.2	1.12	4.7	38.4	0.910	0.1	63.3
178663	< 5	7.00	0.3	69	< 100	162	< 1	< 0.1	5.43	< 0.1	11	45.2	70	80.6	2.5	8.20	0.9	1.00	3.9	47.6	1.09	< 0.1	74.9
178664	< 5	6.53	0.2	56	< 100	110	< 1	< 0.1	4.85	< 0.1	10	40.5	68	87.3	1.8	9.01	0.9	0.65	3.5	46.2	1.33	< 0.1	63.2
178665	< 5	6.70	0.1	76	< 100	125	< 1	< 0.1	5.26	< 0.1	9	42.8	67	75.9	2.2	8.29	0.7	0.78	3.4	43.4	1.35	< 0.1	68.9
178666	< 5	6.16	0.1	55	< 100	118	< 1	< 0.1	5.40	< 0.1	9	39.7	64	56.6	2.1	8.81	0.5	0.73	3.4	43.3	1.06	< 0.1	60.9
178667	5	6.63	0.1	58	< 100	120	< 1	< 0.1	5.20	< 0.1	10	41.0	73	62.4	2.1	8.79	1.2	0.75	3.7	44.7	1.08	< 0.1	62.3
178668	< 5	5.82	0.1	85	< 100	179	< 1	< 0.1	5.26	< 0.1	8	39.6	82	70.6	2.7	7.70	2.0	1.15	2.4	35.4	0.778	1.9	63.9
178669	< 5	5.90	0.1	332	< 100	323	< 1	< 0.1	6.25	< 0.1	24	39.4	504	43.3	3.1	5.62	1.9	1.23	10.8	43.3	0.829	0.5	338
178670	< 5	5.92	0.1	336	< 100	324	< 1	0.1	6.12	< 0.1	26	42.1	485	37.5	2.5	5.94	1.7	1.04	11.4	54.8	0.607	0.3	388
178671	6	4.79	0.5	49	< 100	176	< 1	< 0.1	6.12	< 0.1	11	26.1	67	51.3	6.0	6.75	0.7	1.36	4.2	21.0	0.351	< 0.1	43.0
178672	< 5	8.00	0.3	53	< 100	413	1	0.2	2.84	< 0.1	40	23.7	89	39.1	10.9	5.25	2.9	2.68	20.0	18.8	0.718	0.6	65.3
178673	< 5	7.89	0.3	79	< 100	455	1	0.2	2.26	< 0.1	42	23.8	100	51.8	10.2	5.48	3.2	2.79	20.7	14.0	0.848	1.5	61.5
178674	< 5	9.14	0.2	80	< 100	444	1	0.3	1.98	< 0.1	47	25.8	95	58.3	10.0	5.34	3.4	2.84	23.2	19.9	0.915	0.9	74.6
178675	7	8.35	0.2	61	< 100	349	1	0.2	2.40	< 0.1	40	22.2	111	56.7	7.9	4.63	3.1	2.26	19.1	18.1	1.11	0.6	64.3
178676	3680	7.30	2.1	10	> 2000	519	< 1	0.4	2.64	0.4	20	13.3	57	67.4	1.0	5.08	0.6	1.17	9.5	14.7	2.22	0.1	39.9
178677	10	7.86	0.6	58	< 100	291	< 1	0.2	2.70	< 0.1	37	25.3	103	68.8	8.0	5.29	3.0	1.77	17.5	17.0	1.06	2.5	63.9
178678	7	6.50	0.4	54	< 100	256	< 1	0.1	2.68	< 0.1	25	21.5	111	62.4	6.0	4.67	3.1	1.54	10.1	16.5	1.30	5.4	59.4
178679	11	7.35	0.6	35	< 100	275	< 1	0.1	2.71	< 0.1	32	23.2	100	66.3	6.5	4.94	2.9	1.55	15.9	19.0	1.58	0.5	60.6
178680	< 5	7.79	0.3	31	< 100	528	< 1	< 0.1	2.85	< 0.1	31	24.9	100	54.7	5.8	5.39	2.6	1.59	14.9	17.8	1.72	0.9	67.1
178681	20	7.16	0.2	28	< 100	245	< 1	< 0.1	3.29	< 0.1	28	27.7	87	64.8	5.6	5.80	2.1	1.34	13.2	19.1	1.57	0.2	70.7
178682	5	6.68	0.2	6	< 100	394	< 1	< 0.1	4.03	< 0.1	30	24.6	73	56.8	5.7	5.40	2.0	1.52	14.5	21.4	1.12	0.2	58.4
178683	29	7.18	0.2	5	< 100	312	< 1	0.1	3.39	< 0.1	32	23.2	78	60.3	5.8	5.13	2.4	1.56	15.6	23.3	1.25	0.5	61.0
178684	428	7.80	0.2	134	300	460	< 1	< 0.1	3.61	0.2	19	13.5	45	48.1	0.7	4.69	1.0	1.12	8.4	7.0	2.41	1.2	23.3
178685	35	8.02	0.2	5	< 100	284	< 1	< 0.1	3.41	< 0.1	31	30.2	110	65.0	5.8	6.82	2.8	1.29	15.0	45.6	1.05	3.2	76.2
178686	9	7.72	0.1	5	< 100	264	< 1	0.1	3.50	< 0.1	33	27.8	87	62.8	5.9	5.68	2.3	1.40	16.1	34.8	1.07	0.5	67.7
178687	34	7.39	0.4	5	< 100	294	< 1	< 0.1	4.04	< 0.1	29	26.0	106	62.1	5.4	5.69	2.3	1.26	13.9	29.9	0.857	0.5	64.3

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
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
178654	0.069	64.3	5.6	1	2.98	656	2.3	3.6	14	1.1	303	< 0.1	5.3	0.298	0.59	1.2	89	1.4	9.0	76	136
178655	0.065	58.8	4.7	< 1	2.45	647	1.2	5.7	14	0.9	312	< 0.1	4.6	0.251	0.69	1.1	78	0.7	8.2	66	125
178656	0.077	61.1	4.2	< 1	3.59	1000	0.7	6.3	15	0.8	361	< 0.1	5.2	0.295	0.89	1.1	88	0.4	8.2	76	104
178657	0.084	39.6	3.1	< 1	4.66	1580	1.2	28.2	24	0.7	311	0.2	2.1	0.325	0.74	0.7	139	1.3	8.0	79	67.5
178658	0.055	18.1	12.9	< 1	1.27	874	3.9	1.1	19	1.2	297	< 0.1	2.0	0.276	0.13	0.8	113	1.2	16.0	70	34.0
178659	0.029	51.1	31.9	6	0.77	859	3.0	24.8	9	1.6	82	0.1	2.0	0.145	3.11	0.6	44	1.2	9.6	92	81.9
178660	0.025	61.6	49.1	6	0.50	359	11.1	10.2	15	3.1	86	< 0.1	3.7	0.211	4.06	1.2	73	1.6	13.3	203	102
178661	0.041	55.5	28.3	7	1.89	1160	2.8	37.4	32	1.8	130	0.1	1.1	0.513	3.22	0.3	218	1.0	15.4	104	74.2
178662	0.049	33.2	4.3	1	2.51	1390	0.5	0.8	39	0.7	145	< 0.1	0.5	0.335	1.19	0.2	142	0.2	12.8	119	40.2
178663	0.042	31.3	2.8	< 1	2.57	1710	0.4	0.3	40	0.3	136	< 0.1	0.5	0.168	1.04	0.2	117	0.2	12.2	145	31.8
178664	0.037	20.5	1.9	< 1	2.12	2220	0.2	0.2	40	0.2	125	< 0.1	0.4	0.203	0.58	0.2	137	0.1	11.4	132	30.4
178665	0.040	22.2	5.4	< 1	1.93	2500	0.1	0.2	40	0.2	117	< 0.1	0.4	0.107	0.52	0.1	109	< 0.1	10.6	127	22.8
178666	0.036	21.2	1.5	< 1	2.01	2800	0.1	0.3	38	0.3	109	< 0.1	0.3	0.119	0.45	0.1	114	< 0.1	10.3	108	15.7
178667	0.038	22.0	3.0	< 1	2.00	2670	0.1	0.2	38	0.2	108	< 0.1	0.4	0.183	0.47	0.1	153	< 0.1	10.7	114	41.5
178668	0.044	19.2	1.3	< 1	1.72	2600	0.4	1.9	34	0.6	110	0.1	0.4	0.585	0.61	< 0.1	252	0.4	8.4	89	70.2
178669	0.091	33.2	3.1	< 1	4.33	1210	0.6	0.7	22	0.6	300	< 0.1	3.1	0.333	0.49	1.0	129	< 0.1	9.3	104	68.4
178670	0.086	28.5	7.9	< 1	4.64	1320	0.5	1.9	20	0.5	249	< 0.1	3.1	0.271	0.39	1.0	111	< 0.1	10.6	130	57.0
178671	0.039	35.5	3.7	< 1	2.65	2010	0.5	1.3	28	0.7	186	< 0.1	0.8	0.186	0.38	0.2	98	0.1	11.3	46	22.4
178672	0.061	64.9	6.8	< 1	1.87	964	1.2	2.6	20	1.2	184	< 0.1	7.0	0.266	0.71	1.8	103	0.2	11.9	54	103
178673	0.067	69.1	6.9	< 1	1.77	996	1.8	1.8	21	1.1	176	< 0.1	7.3	0.261	0.75	1.9	116	0.2	12.2	41	113
178674	0.063	70.7	8.9	< 1	1.74	986	1.6	1.8	23	1.1	165	< 0.1	8.6	0.266	0.75	2.2	116	0.2	13.1	35	125
178675	0.068	51.6	7.2	< 1	1.59	840	1.1	1.8	16	1.2	173	< 0.1	6.2	0.261	0.53	1.8	86	< 0.1	10.3	32	111
178676	0.064	22.3	18.9	< 1	1.44	770	0.6	0.4	17	0.8	253	< 0.1	2.2	0.125	0.25	0.9	63	0.2	14.0	101	24.0
178677	0.063	43.1	8.8	< 1	1.70	969	1.0	3.4	18	1.0	178	< 0.1	5.4	0.339	0.39	1.6	107	0.3	10.0	41	118
178678	0.060	27.4	6.2	< 1	1.52	920	1.3	6.5	15	1.0	171	0.4	3.3	0.315	0.33	1.2	99	1.1	7.4	53	120
178679	0.052	37.6	5.6	< 1	1.65	935	1.0	1.1	20	0.8	178	< 0.1	4.5	0.343	0.33	1.1	124	0.2	9.2	46	120
178680	0.051	40.6	4.4	< 1	1.82	1000	0.8	2.0	19	0.6	194	< 0.1	3.9	0.331	0.34	1.0	119	0.2	9.3	51	108
178681	0.052	33.2	5.8	< 1	1.88	1080	0.4	1.9	21	0.8	198	< 0.1	3.4	0.263	0.28	0.8	95	0.1	9.2	51	84.2
178682	0.047	40.1	4.6	< 1	1.96	1040	0.3	2.5	19	0.7	221	< 0.1	3.9	0.225	0.32	0.8	89	< 0.1	8.3	60	81.3
178683	0.049	41.9	5.2	< 1	1.66	965	0.4	2.0	19	0.7	204	< 0.1	4.3	0.234	0.34	1.1	90	< 0.1	8.9	64	93.9
178684	0.053	16.6	13.8	< 1	1.30	892	2.5	0.4	19	1.1	296	< 0.1	2.1	0.249	0.13	0.7	96	0.2	15.6	71	30.2
178685	0.055	35.6	8.1	< 1	2.10	1080	0.7	2.0	24	0.9	190	0.1	3.7	0.371	0.28	1.0	153	0.2	9.6	93	112
178686	0.052	35.4	4.9	< 1	1.76	987	0.3	1.3	22	0.6	162	< 0.1	4.8	0.243	0.30	1.0	101	< 0.1	9.2	76	90.9
178687	0.049	30.3	6.4	< 1	1.67	1070	0.6	1.3	20	0.7	169	< 0.1	4.1	0.299	0.24	0.9	110	< 0.1	8.4	78	90.1

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		4.64	33.6	411	> 2000	1120	1	1530	0.81	2.5	15	7.5	18	1060	2.7	24.0	0.9	0.05	7.5	12.0	0.057	0.8	38.2
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
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas		7.80	3.7	108	700	92	2	21.0	1.00	0.5	123	14.7	49	6410	2.6	3.18	1.4	3.31	60.3	11.6	0.582	11.1	42.8
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
SDC-1 Meas		9.19		< 1		638	3		1.11		99	18.8	50	32.4	3.9	5.32	0.7	2.41	42.6	35.9	1.73	< 0.1	38.0
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		> 20.0	0.3	280	100	1250	< 1	0.2	0.19	< 0.1	18	12.9	85	72.6	3.8	5.43	2.5	1.78	6.2	39.3	0.108	0.8	24.9
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						101						59.7	264	97.2					3.6	5.0		1.5	291
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
OREAS203 Meas	892																						
OREAS203 Cert	871.000																						
SBC-1 Meas				27		633	4	0.7		0.5	49	23.2	127	32.2	4.6		3.5		16.6	168		17.2	92.9
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		8.70		7		187	< 1	0.4	0.19		39	32.8	581	396	4.0	15.9	1.3	0.48	17.2	22.2	0.099	0.4	257
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						961	8	1.2		5.5	109	14.1	54	255	1.7		1.2		48.1	17.1		3.6	56.3
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	486																						
OREAS 251 (FA-Anaster) Cert	504																						
178663 Orig	< 5																						
178663 Dup	< 5																						
178673 Orig	6																						
178673 Dup	< 5																						
178683 Orig	30																						
178683 Dup	28																						
178687 Orig		6.93	0.1	4	< 100	300	< 1	< 0.1	4.05	< 0.1	29	26.3	93	62.9	5.6	5.76	2.1	1.27	14.0	29.7	0.862	0.3	65.3
178687 Dup		7.84	0.6	5	< 100	288	< 1	< 0.1	4.03	0.1	28	25.8	120	61.3	5.3	5.63	2.5	1.26	13.8	30.1	0.853	0.6	63.2
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	5	0.6	< 0.1	< 0.01	< 0.1	< 0.01	0.1	< 0.1	0.002	< 0.1	0.4
Method Blank		< 0.01	0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.8	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	0.4	0.002	< 0.1	0.3

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
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	0.058	2.7	810	< 1	0.28	849	18.9	15.5	1	25.2	273	< 0.1	2.6	0.028	0.35	33.3	78	140	26.7	769	34.2
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													951			2650					
DH-1a Cert													910			2629					
GXR-4 Meas	0.155	108	54.0	2	1.72	163	379	4.6	8	8.4	205	0.7	20.4	0.299	3.29	6.2	96	38.7	13.2	77	45.7
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	0.064	94.5	26.6		1.03	944		< 0.1	16	0.5	170	< 0.1	12.3	0.113	0.62	3.0	41	0.2		113	26.7
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	0.030	43.4	94.7	< 1	0.60	1000	0.8	0.3	22	0.8	37	< 0.1	3.7		2.00	1.3	144	< 0.1	6.8	137	102
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		2.6	6.0					0.2	29		135			0.301			165		15.9	66	42.2
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
OREAS203 Meas																					
OREAS203 Cert																					
SBC-1 Meas		32.9	37.4				2.7	1.1	11	4.1	139	1.1	5.4	0.489	0.83	4.3	234	2.0	18.7	197	129
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	0.038	35.4	24.8	< 1	0.23	534	0.5	< 0.1	47	0.9	30	< 0.1	14.4	0.186	0.24	3.0	96	0.3	11.0	46	49.9
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		90.7	910				13.1		4		138	< 0.1	14.9			2.6	29	0.3	25.4	880	65.8
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
OREAS 251 (FA-Anaster) Meas																					
OREAS 251 (FA-Anaster) Cert																					
178663 Orig																					
178663 Dup																					
178673 Orig																					
178673 Dup																					
178683 Orig																					
178683 Dup																					
178687 Orig	0.048	31.0	6.3	< 1	1.65	1080	0.3	1.7	20	0.6	169	< 0.1	4.1	0.253	0.24	1.0	107	< 0.1	8.5	78	85.8
178687 Dup	0.050	29.5	6.4	< 1	1.68	1060	1.0	0.9	20	0.7	168	< 0.1	4.1	0.345	0.25	0.9	114	0.2	8.4	77	94.5
Method Blank																					
Method Blank																					
Method Blank	0.001	< 0.1	< 0.1	< 1	< 0.01	9	0.3	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	0.4	< 0.1	1	0.3
Method Blank	< 0.001	< 0.1	0.1	< 1	< 0.01	22	0.2	< 0.1	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.2	< 0.1	< 1	0.5



Date Submitted: 21-Sep-16
Invoice No.: A16-09652
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

34 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1EX/MA200 Total Digestion ICP/MS

REPORT **A16-09652**

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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 stylized and written over a horizontal line.

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: 21-Sep-16
Invoice No.: A16-09652
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

34 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-50-Geraldton Au - Fire Assay AA

REPORT **A16-09652**

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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
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Results

Activation Laboratories Ltd.

Report: A16-09652

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
178688	9	7.35	0.3	3	< 100	362	< 1	0.1	3.79	< 0.1	38	25.9	93	74.7	4.9	5.30	2.0	1.47	18.4	28.9	1.11	0.4	64.6
178689	6	8.11	0.5	3	< 100	356	< 1	0.1	3.01	< 0.1	33	25.7	86	70.4	3.4	5.34	2.1	1.36	15.7	42.8	1.56	0.2	65.7
178690	7	8.01	0.3	3	< 100	387	< 1	0.1	2.67	< 0.1	37	24.5	78	65.2	3.8	5.20	2.4	1.61	17.9	32.9	1.70	0.2	59.6
178691	168	7.56	0.2	3	< 100	792	< 1	0.1	3.28	< 0.1	34	25.7	86	53.3	4.0	5.40	2.6	1.71	16.2	26.3	1.78	0.5	60.7
178692	389	8.32	0.2	120	400	446	< 1	< 0.1	3.52	0.2	19	13.2	37	46.2	0.7	4.56	0.8	1.09	8.8	6.8	2.29	0.3	22.9
178693	11	8.43	0.2	4	< 100	326	< 1	0.1	2.31	< 0.1	35	26.1	99	60.0	3.5	5.68	2.3	1.57	17.3	41.5	1.86	0.2	66.8
178694	15	8.32	0.1	5	< 100	284	< 1	0.1	2.44	< 0.1	33	27.9	105	54.0	3.4	5.78	2.0	1.27	16.3	48.9	1.84	0.3	67.5
178695	104	8.06	0.2	6	< 100	281	< 1	0.1	3.28	< 0.1	32	26.6	98	50.0	3.7	5.30	2.7	1.23	15.9	43.3	1.96	1.0	62.4
178696	218	6.45	0.2	4	< 100	258	< 1	< 0.1	2.55	< 0.1	24	22.0	95	47.8	3.2	5.13	3.0	1.13	9.9	43.0	2.00	4.8	60.2
178697	10	8.32	0.6	4	< 100	270	< 1	0.1	2.54	< 0.1	32	27.0	104	52.6	2.7	5.66	2.9	1.18	15.2	48.3	2.42	0.9	69.3
178698	6	7.79	0.3	< 1	< 100	33	< 1	< 0.1	6.07	< 0.1	14	42.8	58	99.9	1.2	6.83	1.0	0.32	6.1	25.2	2.23	< 0.1	55.2
178699	10	7.00	< 0.1	1	< 100	25	< 1	< 0.1	6.92	< 0.1	8	41.4	57	95.0	0.2	6.00	1.8	0.16	3.3	17.2	3.10	0.8	54.8
178700	10	7.00	< 0.1	2	< 100	25	< 1	< 0.1	7.08	< 0.1	8	42.9	53	98.0	0.3	6.00	1.9	0.17	3.2	17.6	3.17	1.8	54.8
178701	7	8.24	0.2	2	< 100	100	< 1	< 0.1	4.85	< 0.1	15	49.6	66	120	0.4	7.44	1.8	0.28	6.3	19.7	2.86	2.0	64.7
178702	6	7.60	0.2	3	< 100	171	< 1	< 0.1	5.73	< 0.1	15	52.6	65	93.4	0.3	8.26	2.1	0.23	5.8	20.2	2.34	3.0	69.8
178703	6	9.09	0.2	4	< 100	95	< 1	< 0.1	4.60	< 0.1	15	48.3	66	141	0.5	7.70	1.8	0.34	6.2	19.7	2.86	0.9	65.2
178704	6	8.65	0.1	2	< 100	70	< 1	< 0.1	5.43	< 0.1	14	52.6	67	139	0.5	7.65	1.0	0.25	5.9	19.4	2.60	0.1	64.8
178705	11	7.18	0.6	< 1	< 100	97	< 1	< 0.1	6.14	< 0.1	13	41.2	68	91.4	0.6	7.39	1.8	0.54	5.3	22.3	1.79	0.2	57.2
178706	7	7.48	0.4	3	< 100	86	< 1	< 0.1	5.99	0.2	13	43.8	77	98.4	0.9	8.00	2.0	0.65	5.3	24.2	1.13	3.2	60.7
178707	7	8.13	0.2	< 1	< 100	59	< 1	< 0.1	6.00	< 0.1	14	44.6	72	100	0.9	8.12	1.9	0.59	6.0	24.5	1.24	< 0.1	60.7
178708	8	7.89	0.2	< 1	< 100	69	< 1	< 0.1	6.22	< 0.1	14	44.1	59	103	0.7	8.07	1.7	0.69	5.8	22.8	1.57	< 0.1	59.5
178709	433	7.30	< 0.1	122	300	458	< 1	< 0.1	3.49	0.1	19	13.2	35	47.0	0.7	4.00	0.7	1.13	8.5	6.9	2.35	0.5	23.5
178710	10	8.62	0.2	4	400	54	< 1	< 0.1	6.35	< 0.1	14	45.2	55	96.1	0.4	7.73	1.8	0.52	6.1	14.6	2.72	1.9	61.2
178711	6	8.30	0.2	3	< 100	81	< 1	< 0.1	6.25	< 0.1	15	45.7	71	110	0.5	7.35	1.8	0.52	6.2	15.8	2.54	1.6	58.3
178712	7	8.12	0.2	4	< 100	88	< 1	< 0.1	5.57	< 0.1	15	49.7	67	123	0.5	7.78	1.9	0.57	6.0	13.9	2.54	3.4	64.7
178713	8	8.02	0.2	4	< 100	74	< 1	< 0.1	6.79	< 0.1	15	51.3	68	119	0.7	8.31	1.8	0.75	6.0	16.2	2.07	3.3	64.1
178714	7	8.48	0.6	3	< 100	60	< 1	< 0.1	7.43	< 0.1	15	43.6	64	101	0.6	7.78	1.6	0.61	6.2	14.9	2.21	1.0	59.6
178715	7	8.00	< 0.1	2	< 100	183	< 1	< 0.1	4.98	< 0.1	13	39.8	56	90.0	0.6	6.00	1.4	0.91	5.3	10.4	3.72	0.1	53.5
178716	8	7.15	0.2	< 1	< 100	74	< 1	< 0.1	4.46	< 0.1	17	41.2	24	101	1.2	8.54	2.5	0.92	6.9	14.1	2.81	0.4	32.4
178717	< 5	7.04	0.2	1	< 100	67	< 1	< 0.1	4.74	< 0.1	15	37.4	24	106	1.1	8.20	2.4	0.89	6.2	11.9	2.87	3.7	32.9
178718	< 5	0.15	0.1	< 1	< 100	69	< 1	< 0.1	19.0	< 0.1	1	0.8	5	2.5	0.5	0.17	< 0.1	0.05	0.6	12.5	0.056	0.3	3.5
178719	< 5	7.00	< 0.1	< 1	< 100	81	< 1	< 0.1	4.32	< 0.1	14	39.2	46	95.0	1.6	8.00	2.0	1.26	5.7	13.5	3.20	< 0.1	45.1
178720	< 5	8.18	0.2	< 1	< 100	97	< 1	< 0.1	5.40	< 0.1	13	42.0	58	97.4	1.3	7.94	1.7	1.41	5.4	12.2	2.72	0.2	56.8
178721	< 5	8.03	0.2	1	< 100	115	< 1	< 0.1	5.10	< 0.1	13	43.1	58	91.0	1.4	8.12	2.0	1.25	5.2	12.6	2.53	1.4	61.7

Results

Activation Laboratories Ltd.

Report: A16-09652

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
178688	0.053	40.5	7.6	< 1	1.71	958	0.2	1.2	20	0.8	170	< 0.1	5.3	0.216	0.39	1.2	87	< 0.1	10.3	74	67.2	
178689	0.053	35.9	5.0	< 1	2.09	860	0.5	1.1	20	0.6	145	< 0.1	4.9	0.210	0.31	1.1	82	< 0.1	9.3	82	78.9	
178690	0.057	42.4	4.8	< 1	1.58	891	0.4	1.0	19	0.6	120	< 0.1	5.1	0.203	0.36	1.1	78	< 0.1	10.3	76	87.4	
178691	0.053	44.2	4.5	< 1	1.35	1050	0.4	1.6	16	0.8	150	< 0.1	5.5	0.247	0.36	1.3	87	< 0.1	9.1	72	96.3	
178692	0.051	18.0	12.8	< 1	1.34	870	0.8	0.4	19	0.8	283	< 0.1	2.1	0.149	0.13	0.7	59	0.2	15.5	68	21.9	
178693	0.050	40.3	4.7	< 1	1.66	908	0.3	1.0	20	0.7	123	< 0.1	4.7	0.240	0.34	1.2	94	< 0.1	9.6	76	85.4	
178694	0.047	32.2	5.1	< 1	1.91	961	0.3	1.3	22	0.8	142	< 0.1	4.7	0.240	0.26	1.1	94	< 0.1	9.5	81	72.9	
178695	0.050	31.9	4.6	< 1	1.90	1070	1.7	1.3	19	0.9	139	< 0.1	4.6	0.340	0.25	1.2	115	0.1	9.4	69	105	
178696	0.052	20.2	3.7	< 1	1.57	984	1.5	3.6	14	0.8	105	0.4	2.9	0.340	0.22	1.1	106	0.9	6.8	70	110	
178697	0.052	29.2	4.3	< 1	1.75	1010	0.9	0.7	20	0.7	120	< 0.1	4.8	0.329	0.24	1.1	113	0.1	9.8	75	111	
178698	0.029	6.4	4.1	< 1	2.69	1320	0.4	0.2	34	0.3	163	< 0.1	1.1	0.220	< 0.05	0.3	136	< 0.1	16.5	129	34.7	
178699	0.031	2.8	2.0	< 1	2.27	1260	2.0	0.2	34	0.7	79	< 0.1	1.0	< 0.001	< 0.05	< 0.1	190	0.1	14.5	108	63.1	
178700	0.033	3.4	2.0	< 1	2.26	1270	3.0	0.3	34	0.8	77	< 0.1	1.2	< 0.001	< 0.05	< 0.1	199	0.4	15.2	108	72.2	
178701	0.034	3.8	3.6	< 1	2.79	1360	0.6	0.4	39	0.6	193	< 0.1	1.2	0.460	< 0.05	0.3	217	0.1	18.3	138	66.2	
178702	0.035	1.7	6.1	< 1	2.78	1560	0.7	0.7	33	0.6	231	0.2	1.0	0.496	< 0.05	0.3	246	0.4	18.3	147	72.1	
178703	0.033	6.9	3.5	< 1	2.79	1430	0.7	0.2	41	0.3	204	< 0.1	1.2	0.446	0.05	0.3	220	< 0.1	18.5	137	64.1	
178704	0.029	4.6	3.8	< 1	2.66	1410	0.2	0.3	38	0.6	247	< 0.1	1.1	0.225	< 0.05	0.3	139	< 0.1	16.6	130	33.3	
178705	0.030	13.4	4.6	< 1	3.05	1430	0.8	0.1	33	0.4	153	< 0.1	1.0	0.340	0.11	0.2	189	0.2	15.8	118	61.4	
178706	0.033	11.4	3.2	< 1	3.05	1700	1.0	1.1	34	0.8	187	0.2	1.0	0.425	0.14	0.2	205	1.0	15.9	122	69.5	
178707	0.029	16.6	3.2	< 1	3.19	1640	0.2	0.1	36	0.2	205	< 0.1	1.1	0.275	0.13	0.9	192	< 0.1	17.1	108	66.6	
178708	0.030	18.4	4.5	< 1	2.98	1580	0.2	< 0.1	36	0.2	215	< 0.1	1.0	0.319	0.14	0.7	189	< 0.1	17.4	107	58.7	
178709	0.051	19.0	13.0	< 1	1.36	870	< 0.1	0.5	19	0.8	299	< 0.1	2.1	< 0.001	0.12	< 0.1	64	0.3	16.7	68	20.8	
178710	0.035	11.8	5.7	< 1	2.93	1450	0.8	0.4	38	0.7	298	< 0.1	1.1	0.433	0.09	0.3	224	0.2	17.4	113	63.2	
178711	0.035	9.9	3.6	< 1	2.98	1320	0.8	0.1	38	0.4	267	< 0.1	1.1	0.424	0.10	0.3	221	< 0.1	17.5	106	59.1	
178712	0.035	8.2	3.5	< 1	2.77	1410	0.6	0.5	36	0.7	272	0.2	1.1	0.503	0.11	0.3	250	0.4	18.0	109	64.7	
178713	0.037	13.5	3.5	< 1	2.86	1580	0.6	0.4	36	0.7	259	0.2	1.0	0.474	0.16	0.3	236	0.3	18.0	110	59.0	
178714	0.033	14.4	3.4	< 1	2.62	1510	0.8	0.1	39	0.3	247	< 0.1	1.1	0.378	0.13	0.3	196	0.2	18.4	103	51.2	
178715	0.030	22.5	2.0	< 1	2.33	1250	< 0.1	0.1	36	0.4	99	< 0.1	1.0	< 0.001	0.19	< 0.1	155	< 0.1	16.6	94	48.8	
178716	0.039	22.8	3.7	< 1	3.13	1250	0.5	< 0.1	34	0.6	76	< 0.1	1.2	0.435	0.21	0.3	229	< 0.1	20.0	105	93.9	
178717	0.038	20.3	4.3	< 1	2.92	1260	1.8	0.3	33	0.8	78	0.3	1.1	0.482	0.20	0.3	230	1.0	18.3	102	84.8	
178718	0.007	1.3	1.5	< 1	12.8	294	0.1	0.1	< 1	0.2	142	< 0.1	0.1	0.012	< 0.05	0.2	5	0.1	0.6	16	3.2	
178719	0.032	30.7	7.0	1	3.51	1200	< 0.1	< 0.1	38	0.6	83	< 0.1	1.0	< 0.001	0.28	< 0.1	226	< 0.1	17.2	123	73.5	
178720	0.031	34.7	8.3	< 1	3.81	1350	0.4	< 0.1	37	0.6	173	< 0.1	1.0	0.353	0.31	0.2	193	< 0.1	16.4	107	60.8	
178721	0.032	31.2	3.2	< 1	4.03	1320	0.7	0.3	38	0.7	158	< 0.1	1.0	0.425	0.26	0.3	219	< 0.1	16.7	109	71.6	

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		4.64	33.6	411	> 2000	1120	1	1530	0.81	2.5	15	7.5	18	1060	2.7	24.0	0.9	0.05	7.5	12.0	0.057	0.8	38.2
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
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas		7.80	3.7	108	700	92	2	21.0	1.00	0.5	123	14.7	49	6410	2.6	3.18	1.4	3.31	60.3	11.6	0.582	11.1	42.8
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
SDC-1 Meas		9.19		< 1		638	3		1.11		99	18.8	50	32.4	3.9	5.32	0.7	2.41	42.6	35.9	1.73	< 0.1	38.0
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		> 20.0	0.3	280	100	1250	< 1	0.2	0.19	< 0.1	18	12.9	85	72.6	3.8	5.43	2.5	1.78	6.2	39.3	0.108	0.8	24.9
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						101						59.7	264	97.2					3.6	5.0		1.5	291
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
OREAS203 Meas	825																						
OREAS203 Cert	871.000																						
SBC-1 Meas				27		633	4	0.7		0.5	49	23.2	127	32.2	4.6		3.5		16.6	168		17.2	92.9
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		8.70		7		187	< 1	0.4	0.19		39	32.8	581	396	4.0	15.9	1.3	0.48	17.2	22.2	0.099	0.4	257
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						961	8	1.2		5.5	109	14.1	54	255	1.7		1.2		48.1	17.1		3.6	56.3
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	504																						
OREAS 251 (FA-Anaster) Cert	504																						
178689 Orig		8.04	0.6	3	< 100	352	< 1	0.1	2.95	< 0.1	33	25.6	82	70.1	3.3	5.30	1.9	1.35	15.5	42.3	1.55	0.3	65.1
178689 Dup		8.18	0.3	4	< 100	360	< 1	0.1	3.06	< 0.1	33	25.8	91	70.7	3.5	5.39	2.3	1.37	15.9	43.3	1.58	0.2	66.2
178697 Orig	10																						
178697 Dup	10																						
178707 Orig	7																						
178707 Dup	7																						
178717 Orig	< 5																						
178717 Dup	< 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	5	0.6	< 0.1	< 0.01	< 0.1	< 0.01	0.1	< 0.1	0.002	< 0.1	0.4
Method Blank		< 0.01	0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.8	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	0.4	0.002	< 0.1	0.3

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
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	0.058	2.7	810	< 1	0.28	849	18.9	15.5	1	25.2	273	< 0.1	2.6	0.028	0.35	33.3	78	140	26.7	769	34.2
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													951			2650					
DH-1a Cert													910			2629					
GXR-4 Meas	0.155	108	54.0	2	1.72	163	379	4.6	8	8.4	205	0.7	20.4	0.299	3.29	6.2	96	38.7	13.2	77	45.7
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	0.064	94.5	26.6		1.03	944		< 0.1	16	0.5	170	< 0.1	12.3	0.113	0.62	3.0	41	0.2		113	26.7
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	0.030	43.4	94.7	< 1	0.60	1000	0.8	0.3	22	0.8	37	< 0.1	3.7		2.00	1.3	144	< 0.1	6.8	137	102
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		2.6	6.0					0.2	29		135			0.301			165		15.9	66	42.2
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
OREAS203 Meas																					
OREAS203 Cert																					
SBC-1 Meas		32.9	37.4				2.7	1.1	11	4.1	139	1.1	5.4	0.489	0.83	4.3	234	2.0	18.7	197	129
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	0.038	35.4	24.8	< 1	0.23	534	0.5	< 0.1	47	0.9	30	< 0.1	14.4	0.186	0.24	3.0	96	0.3	11.0	46	49.9
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		90.7	910				13.1		4		138	< 0.1	14.9			2.6	29	0.3	25.4	880	65.8
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
OREAS 251 (FA-Anaster) Meas																					
OREAS 251 (FA-Anaster) Cert																					
178689 Orig	0.051	35.5	5.1	< 1	2.09	848	0.5	0.9	19	0.6	145	< 0.1	4.7	0.192	0.31	1.1	79	0.2	9.2	81	71.2
178689 Dup	0.054	36.4	4.9	< 1	2.10	873	0.5	1.3	21	0.6	145	< 0.1	5.2	0.228	0.31	1.2	86	< 0.1	9.4	84	86.5
178697 Orig																					
178697 Dup																					
178707 Orig																					
178707 Dup																					
178717 Orig																					
178717 Dup																					
Method Blank																					
Method Blank																					
Method Blank	0.001	< 0.1	< 0.1	< 1	< 0.01	9	0.3	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	0.4	< 0.1	1	0.3
Method Blank	< 0.001	< 0.1	0.1	< 1	< 0.01	22	0.2	< 0.1	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.2	< 0.1	< 1	0.5



Date Submitted: 21-Sep-16
Invoice No.: A16-09656
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

11 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-09656**

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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

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Date Submitted: 21-Sep-16
Invoice No.: A16-09656
Invoice Date: 14-Nov-16
Your Reference: Geraldton

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Geraldton ON P0T 1M0
Canada

ATTN: Tom Salmi(res)

CERTIFICATE OF ANALYSIS

11 Rock samples were submitted for analysis.

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

REPORT **A16-09656**

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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 Eseme , 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

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
178722	< 5	8.02	0.2	2	< 100	88	< 1	< 0.1	5.23	< 0.1	13	42.1	67	84.2	1.3	7.92	1.9	1.29	5.2	14.5	2.61	2.4	64.5
178745	< 5	8.15	0.7	< 1	< 100	110	< 1	< 0.1	5.59	< 0.1	14	46.3	55	110	0.8	8.40	1.6	0.45	6.1	24.6	1.91	1.8	61.0
178746	< 5	8.22	0.4	1	< 100	58	< 1	< 0.1	5.67	< 0.1	14	46.4	56	107	1.1	8.31	1.6	0.48	5.9	30.0	1.55	2.6	61.2
178747	14	7.02	0.2	< 1	< 100	54	< 1	0.2	7.67	< 0.1	13	43.2	27	108	1.7	8.34	2.0	0.49	5.7	22.9	1.66	1.3	42.3
178748	10	7.73	0.3	5	< 100	50	< 1	0.1	5.03	< 0.1	16	45.2	15	112	0.7	8.10	1.4	0.26	6.9	19.7	2.35	0.1	41.6
178749	6	7.82	0.3	2	< 100	43	< 1	< 0.1	4.92	< 0.1	19	46.4	13	108	1.1	8.58	2.1	0.31	8.4	24.7	2.21	0.3	42.4
178750	16	6.73	0.6	3	< 100	161	< 1	< 0.1	6.11	< 0.1	25	43.2	11	112	4.7	8.48	1.7	1.31	10.9	25.8	1.43	0.2	38.0
178751	12	7.06	0.4	2	< 100	83	< 1	0.1	5.63	< 0.1	16	46.3	13	158	4.7	8.62	2.3	1.37	6.8	28.7	2.21	1.1	41.1
178752	< 5	0.10	< 0.1	8	< 100	79	< 1	< 0.1	19.5	< 0.1	2	0.6	4	3.0	0.6	0.11	< 0.1	0.07	1.1	18.1	0.034	0.3	3.9
178753	55	7.65	0.4	< 1	< 100	144	< 1	0.4	3.47	< 0.1	15	41.6	15	247	2.3	8.15	2.4	0.94	6.5	29.6	3.02	0.5	43.3
178754	6	6.96	0.3	< 1	< 100	458	< 1	0.2	5.30	< 0.1	16	44.1	14	208	2.8	8.09	2.0	1.13	6.8	25.9	2.26	0.3	40.0

Results

Activation Laboratories Ltd.

Report: A16-09656

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
178722	0.032	33.2	5.4	< 1	4.02	1300	1.5	0.2	37	0.6	144	0.1	0.9	0.418	0.29	0.2	214	0.3	16.0	113	68.7	
178745	0.034	10.6	3.2	< 1	4.06	1450	0.8	0.3	37	0.5	170	< 0.1	1.0	0.422	0.09	0.8	214	0.2	17.0	107	55.9	
178746	0.034	13.5	3.0	< 1	4.49	1330	0.6	0.6	38	0.6	163	0.1	1.0	0.430	0.10	0.2	219	0.3	16.9	102	56.9	
178747	0.033	20.8	2.8	< 1	2.93	1430	0.8	0.3	32	0.7	95	< 0.1	1.1	0.398	0.13	0.4	202	< 0.1	16.2	99	67.9	
178748	0.034	6.2	6.7	< 1	3.05	1320	0.8	< 0.1	35	0.2	99	< 0.1	1.3	0.231	< 0.05	0.3	142	< 0.1	17.4	100	47.8	
178749	0.035	12.2	2.3	< 1	3.43	1450	0.6	< 0.1	36	0.3	74	< 0.1	1.3	0.386	0.08	0.3	197	< 0.1	18.0	107	73.0	
178750	0.037	68.9	9.8	< 1	3.12	1310	0.7	0.3	33	0.6	80	< 0.1	1.3	0.297	0.45	0.3	163	0.1	18.2	120	63.5	
178751	0.038	61.0	13.4	< 1	3.10	1230	1.5	0.5	35	0.8	117	< 0.1	1.3	0.454	0.39	0.5	221	0.6	12.1	126	84.9	
178752	0.005	2.9	2.9	< 1	12.9	332	< 0.1	0.2	< 1	0.6	141	< 0.1	0.2	0.009	0.07	0.6	< 4	0.3	0.9	12	3.6	
178753	0.039	29.2	48.5	1	3.46	1060	2.3	0.1	36	0.8	102	< 0.1	1.5	0.444	0.23	0.3	261	0.5	16.4	162	84.1	
178754	0.035	41.7	8.0	< 1	3.18	1360	1.2	0.1	33	0.7	110	< 0.1	1.2	0.415	0.31	0.3	201	< 0.1	14.7	126	71.9	

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		4.64	33.6	411	> 2000	1120	1	1530	0.81	2.5	15	7.5	18	1060	2.7	24.0	0.9	0.05	7.5	12.0	0.057	0.8	38.2
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
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas		7.80	3.7	108	700	92	2	21.0	1.00	0.5	123	14.7	49	6410	2.6	3.18	1.4	3.31	60.3	11.6	0.582	11.1	42.8
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
SDC-1 Meas		9.19		< 1		638	3		1.11		99	18.8	50	32.4	3.9	5.32	0.7	2.41	42.6	35.9	1.73	< 0.1	38.0
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		> 20.0	0.3	280	100	1250	< 1	0.2	0.19	< 0.1	18	12.9	85	72.6	3.8	5.43	2.5	1.78	6.2	39.3	0.108	0.8	24.9
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						101						59.7	264	97.2					3.6	5.0		1.5	291
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
OREAS203 Meas	885																						
OREAS203 Cert	871.000																						
SBC-1 Meas				27		633	4	0.7		0.5	49	23.2	127	32.2	4.6		3.5		16.6	168		17.2	92.9
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		8.70		7		187	< 1	0.4	0.19		39	32.8	581	396	4.0	15.9	1.3	0.48	17.2	22.2	0.099	0.4	257
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						961	8	1.2		5.5	109	14.1	54	255	1.7		1.2		48.1	17.1		3.6	56.3
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	489																						
OREAS 251 (FA-Anaster) Cert	504																						
178747 Orig		6.93	0.3	< 1	< 100	53	< 1	0.2	7.68	< 0.1	13	42.5	30	107	1.7	8.31	2.0	0.49	5.6	22.5	1.63	0.5	41.9
178747 Dup		7.11	0.2	2	< 100	55	< 1	0.2	7.66	< 0.1	14	43.8	24	109	1.8	8.38	2.0	0.49	5.9	23.3	1.69	2.0	42.6
178752 Orig		0.11	< 0.1	8	< 100	79	< 1	< 0.1	19.8	0.1	2	0.6	5	3.5	0.6	0.11	0.1	0.09	1.2	19.8	0.041	0.4	4.0
178752 Dup		0.09	< 0.1	9	< 100	78	< 1	< 0.1	19.2	< 0.1	2	0.5	4	2.5	0.5	0.11	< 0.1	0.06	1.0	16.4	0.026	0.2	3.8
178753 Orig	52																						
178753 Dup	57																						
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	5	0.6	< 0.1	< 0.01	< 0.1	< 0.01	0.1	< 0.1	0.002	< 0.1	0.4
Method Blank		< 0.01	0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.8	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	0.4	0.002	< 0.1	0.3

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
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	0.058	2.7	810	< 1	0.28	849	18.9	15.5	1	25.2	273	< 0.1	2.6	0.028	0.35	33.3	78	140	26.7	769	34.2
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													951			2650					
DH-1a Cert													910			2629					
GXR-4 Meas	0.155	108	54.0	2	1.72	163	379	4.6	8	8.4	205	0.7	20.4	0.299	3.29	6.2	96	38.7	13.2	77	45.7
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	0.064	94.5	26.6		1.03	944		< 0.1	16	0.5	170	< 0.1	12.3	0.113	0.62	3.0	41	0.2		113	26.7
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	0.030	43.4	94.7	< 1	0.60	1000	0.8	0.3	22	0.8	37	< 0.1	3.7		2.00	1.3	144	< 0.1	6.8	137	102
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		2.6	6.0					0.2	29		135			0.301			165		15.9	66	42.2
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
OREAS203 Meas																					
OREAS203 Cert																					
SBC-1 Meas		32.9	37.4				2.7	1.1	11	4.1	139	1.1	5.4	0.489	0.83	4.3	234	2.0	18.7	197	129
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	0.038	35.4	24.8	< 1	0.23	534	0.5	< 0.1	47	0.9	30	< 0.1	14.4	0.186	0.24	3.0	96	0.3	11.0	46	49.9
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		90.7	910				13.1		4		138	< 0.1	14.9			2.6	29	0.3	25.4	880	65.8
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
OREAS 251 (FA-Anaster) Meas																					
OREAS 251 (FA-Anaster) Cert																					
178747 Orig	0.032	20.0	2.7	< 1	2.91	1420	0.7	0.3	32	0.6	93	< 0.1	1.1	0.380	0.13	0.3	198	< 0.1	15.9	98	66.4
178747 Dup	0.034	21.6	2.9	< 1	2.96	1440	0.9	0.3	32	0.7	96	< 0.1	1.1	0.416	0.13	0.5	205	0.1	16.4	101	69.3
178752 Orig	0.006	3.0	3.0	< 1	13.2	336	< 0.1	0.2	< 1	0.9	141	< 0.1	0.2	0.009	0.08	1.0	5	0.3	1.0	12	4.1
178752 Dup	0.005	2.8	2.8	< 1	12.6	328	< 0.1	0.2	< 1	0.3	140	< 0.1	0.1	0.009	0.07	0.3	< 4	0.3	0.9	11	3.0
178753 Orig																					
178753 Dup																					
Method Blank																					
Method Blank																					
Method Blank	0.001	< 0.1	< 0.1	< 1	< 0.01	9	0.3	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	0.4	< 0.1	1	0.3
Method Blank	< 0.001	< 0.1	0.1	< 1	< 0.01	22	0.2	< 0.1	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.2	< 0.1	< 1	0.5



Date Submitted: 30-Sep-16
Invoice No.: A16-10084
Invoice Date: 31-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A16-10084**

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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: 30-Sep-16
Invoice No.: A16-10084
Invoice Date: 31-Oct-16
Your Reference: Geraldton

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

ATTN: Tom Salmi

CERTIFICATE OF ANALYSIS

34 Rock samples were submitted for analysis.

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

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Notes:

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

CERTIFIED BY:



Emmanuel Esemé , Ph.D.
Quality Control

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41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A16-10084

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
178723	< 5	5.94	0.5	3	< 100	83	< 1	< 0.1	5.89	< 0.1	13	40.6	71	91.7	0.9	7.05	1.4	0.44	5.3	13.4	1.53	3.2	60.1
178724	< 5	6.09	0.3	3	< 100	90	< 1	< 0.1	5.80	< 0.1	13	40.5	73	89.8	1.0	7.01	1.4	0.65	5.2	14.7	1.91	3.7	60.0
178725	< 5	6.82	0.5	3	< 100	108	< 1	< 0.1	5.18	< 0.1	13	42.8	81	95.0	1.1	7.49	1.5	0.75	5.4	16.6	2.47	4.0	63.0
178726	397	7.18	0.3	130	300	500	< 1	< 0.1	3.49	0.1	18	13.0	44	63.8	0.7	4.59	0.7	0.75	7.8	7.4	2.63	0.4	22.7
178727	5	6.77	0.3	3	< 100	79	< 1	< 0.1	4.82	< 0.1	15	42.8	64	96.4	1.0	7.94	1.5	0.66	6.0	20.1	2.63	3.6	52.7
178728	< 5	7.35	< 0.1	2	< 100	71	< 1	< 0.1	6.31	< 0.1	13	40.4	113	84.9	1.1	7.02	1.2	0.82	5.3	17.4	2.08	< 0.1	70.9
178729	< 5	7.01	< 0.1	< 1	< 100	83	< 1	< 0.1	5.68	< 0.1	12	41.6	93	141	1.4	7.24	1.4	0.86	4.9	16.1	2.44	0.2	78.7
178730	< 5	7.41	< 0.1	< 1	< 100	98	< 1	< 0.1	5.98	< 0.1	13	42.9	80	94.7	1.4	7.53	1.2	0.79	5.7	15.8	2.30	< 0.1	77.3
178731	6	6.99	< 0.1	2	< 100	79	< 1	0.1	6.85	< 0.1	13	41.9	78	85.2	1.1	6.87	1.1	0.61	5.4	14.8	2.14	< 0.1	75.7
178732	< 5	7.36	< 0.1	< 1	< 100	88	< 1	0.2	6.41	< 0.1	13	44.2	71	85.6	1.3	7.42	1.3	0.76	5.7	15.3	2.08	< 0.1	77.6
178733	6	7.17	< 0.1	< 1	< 100	72	< 1	0.4	6.48	< 0.1	13	42.8	58	97.0	3.5	7.14	1.6	1.03	5.5	21.2	1.74	1.6	76.3
178734	6	6.50	< 0.1	2	< 100	70	< 1	< 0.1	6.39	< 0.1	12	41.2	57	99.4	3.0	7.00	1.0	< 0.01	5.0	20.9	1.67	1.9	74.0
178735	134	6.63	0.4	< 1	100	118	< 1	1.3	6.65	< 0.1	14	46.6	69	90.5	4.5	8.84	1.8	1.04	5.6	18.0	1.90	1.0	62.7
178736	< 5	6.44	< 0.1	3	< 100	33	< 1	< 0.1	7.25	< 0.1	14	44.6	94	107	0.3	8.03	1.7	0.13	5.3	17.2	1.51	3.5	61.9
178737	< 5	7.21	< 0.1	< 1	< 100	35	< 1	< 0.1	7.85	< 0.1	15	41.3	85	107	0.4	7.12	1.5	0.12	6.5	15.8	1.19	< 0.1	61.3
178738	< 5	7.49	< 0.1	1	< 100	52	< 1	< 0.1	7.48	< 0.1	16	43.4	84	101	0.4	7.09	1.3	0.17	6.9	14.1	1.70	< 0.1	62.0
178739	6	7.02	< 0.1	< 1	< 100	42	< 1	< 0.1	7.19	< 0.1	15	42.1	61	97.7	0.5	8.00	1.4	0.20	6.2	21.9	1.39	< 0.1	57.5
178740	5	7.36	< 0.1	2	< 100	49	< 1	< 0.1	6.95	< 0.1	15	43.7	56	101	0.6	8.15	0.9	0.23	6.3	20.3	1.69	< 0.1	59.0
178741	< 5	7.84	< 0.1	2	< 100	83	< 1	< 0.1	6.18	< 0.1	16	45.5	63	103	0.8	8.22	1.6	0.43	6.6	22.3	1.52	0.9	63.5
178742	< 5	6.82	< 0.1	2	< 100	71	< 1	< 0.1	6.75	< 0.1	14	41.8	55	101	0.8	7.80	1.6	0.33	6.0	21.5	0.974	1.3	59.0
178743	3680	7.50	0.4	11	> 2000	540	< 1	0.4	2.86	0.4	23	13.0	73	72.7	1.0	4.97	0.8	1.07	10.8	12.1	2.13	0.2	43.8
178744	< 5	7.08	0.1	2	< 100	58	< 1	< 0.1	6.73	< 0.1	16	43.8	65	95.1	1.0	8.42	1.7	0.32	6.6	22.1	1.37	3.1	62.7
178755	< 5	7.65	< 0.1	< 1	< 100	78	< 1	< 0.1	4.57	< 0.1	17	45.9	19	159	4.2	8.79	2.3	1.17	7.3	23.4	2.11	2.6	46.1
178756	7	6.55	< 0.1	< 1	< 100	63	< 1	0.1	6.38	< 0.1	17	42.3	14	202	2.7	7.95	2.0	0.66	7.6	21.5	2.20	1.5	39.7
178757	7	6.31	0.1	1	< 100	152	< 1	0.1	5.77	< 0.1	9	44.0	39	205	2.3	8.50	1.6	1.16	3.2	17.1	1.77	2.7	63.7
178758	6	7.00	0.1	< 1	< 100	190	< 1	< 0.1	3.24	< 0.1	20	48.7	28	219	1.8	9.98	2.3	0.86	8.3	13.1	2.38	0.1	43.2
178759	7	5.99	0.1	< 1	< 100	142	< 1	< 0.1	4.40	< 0.1	28	43.1	12	198	1.0	10.4	3.3	0.74	11.9	7.1	2.71	0.2	15.3
178760	493	7.91	< 0.1	164	300	449	< 1	< 0.1	3.98	0.1	21	12.7	38	52.0	0.7	4.74	1.1	1.03	9.1	5.7	2.16	2.6	24.5
178761	14	6.23	< 0.1	< 1	< 100	143	< 1	< 0.1	4.79	< 0.1	30	42.0	9	173	0.9	10.6	2.3	0.72	12.5	9.4	2.19	< 0.1	15.3
178762	6	6.56	< 0.1	< 1	< 100	143	< 1	< 0.1	4.71	< 0.1	31	44.0	7	171	1.0	11.1	1.4	0.66	13.1	10.9	1.47	< 0.1	16.3
178763	5	6.01	< 0.1	< 1	< 100	108	< 1	< 0.1	5.36	< 0.1	30	42.2	9	170	0.9	10.9	3.0	0.48	13.1	10.8	1.45	0.2	16.2
178764	< 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
178765	< 5	6.60	< 0.1	< 1	< 100	96	< 1	< 0.1	4.48	< 0.1	31	45.4	10	172	0.8	11.6	2.7	0.40	13.3	9.7	1.57	0.3	16.3
178766	22	6.63	< 0.1	2	< 100	127	< 1	< 0.1	4.55	< 0.1	33	44.2	19	167	1.0	11.6	2.4	0.54	13.7	10.7	1.53	0.4	15.9

Results

Activation Laboratories Ltd.

Report: A16-10084

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
178723	0.024	20.0	3.2	< 1	3.37	1310	1.3	0.4	33	< 0.1	244	0.1	1.0	0.367	0.12	0.2	208	1.0	18.4	78	75.7	
178724	0.024	30.9	4.0	< 1	3.51	1300	1.0	1.1	34	< 0.1	235	0.2	0.9	0.387	0.19	0.2	214	0.8	18.0	73	78.5	
178725	0.027	30.6	1.9	< 1	4.04	1370	1.1	1.1	35	< 0.1	214	0.2	0.9	0.409	0.23	0.2	231	1.0	18.6	94	83.3	
178726	0.051	18.4	13.6	< 1	1.39	956	1.4	0.8	18	0.2	306	< 0.1	1.7	0.168	0.10	0.7	80	0.4	18.3	59	30.6	
178727	0.031	28.2	1.6	< 1	3.81	1380	1.6	0.5	39	0.1	151	0.1	1.0	0.448	0.17	0.2	241	0.5	20.9	93	87.4	
178728	0.031	26.5	2.4	< 1	4.25	1300	0.3	< 0.1	34	0.5	149	< 0.1	0.8	0.287	0.14	0.2	181	< 0.1	17.2	91	45.7	
178729	0.033	28.2	1.9	< 1	4.33	1300	0.7	< 0.1	33	0.8	90	< 0.1	0.8	0.353	0.15	0.2	209	< 0.1	17.4	123	56.0	
178730	0.033	27.8	3.2	< 1	4.40	1360	0.1	< 0.1	35	0.5	168	< 0.1	0.8	0.305	0.14	0.2	175	< 0.1	18.6	91	48.1	
178731	0.033	21.7	29.3	< 1	4.11	1260	0.3	0.2	33	0.6	176	< 0.1	0.8	0.256	0.09	0.2	154	< 0.1	18.0	92	42.8	
178732	0.032	26.1	4.2	< 1	4.18	1380	0.4	0.4	33	0.8	191	< 0.1	0.8	0.328	0.11	0.2	190	< 0.1	17.7	91	48.8	
178733	0.033	60.7	3.9	< 1	4.04	1220	7.3	0.2	31	0.8	60	< 0.1	0.8	0.422	0.29	0.2	227	0.5	16.9	89	66.7	
178734	< 0.001	60.0	3.8	< 1	3.50	1230	6.4	0.2	30	0.8	60	< 0.1	< 0.1	< 0.001	0.28	< 0.1	221	< 0.1	16.5	90	64.5	
178735	0.034	70.2	12.7	2	3.01	1230	7.7	< 0.1	31	0.8	83	< 0.1	0.9	0.438	0.37	0.4	234	0.4	18.9	129	69.0	
178736	0.039	0.9	3.6	< 1	3.09	1510	0.6	0.9	30	0.8	197	0.2	0.7	0.513	< 0.05	0.3	263	0.5	17.7	92	66.3	
178737	0.034	3.9	3.7	< 1	2.62	1340	0.1	< 0.1	35	0.3	192	< 0.1	1.0	0.354	< 0.05	0.2	213	< 0.1	20.3	86	56.5	
178738	0.034	4.9	3.8	< 1	2.70	1350	0.3	< 0.1	36	0.4	189	< 0.1	1.0	0.276	< 0.05	0.3	186	< 0.1	20.1	98	48.3	
178739	0.033	6.1	3.6	< 1	3.67	1380	< 0.1	< 0.1	36	0.2	158	< 0.1	0.9	0.305	< 0.05	0.2	208	< 0.1	19.6	89	55.1	
178740	0.036	7.0	4.3	< 1	3.94	1380	< 0.1	0.2	36	0.6	167	< 0.1	0.9	0.219	< 0.05	1.3	144	< 0.1	20.0	92	32.2	
178741	0.041	13.3	3.0	< 1	4.61	1290	0.2	0.2	38	0.6	179	< 0.1	1.0	0.477	< 0.05	0.3	230	< 0.1	21.0	99	58.0	
178742	0.037	11.2	3.3	< 1	4.12	1300	0.3	0.2	35	0.4	188	< 0.1	0.9	0.445	< 0.05	0.2	239	< 0.1	18.9	92	61.1	
178743	0.074	25.1	19.6	< 1	1.55	799	1.2	1.6	16	1.5	280	< 0.1	2.2	0.173	0.18	1.0	73	< 0.1	17.4	97	28.6	
178744	0.039	9.2	2.9	< 1	3.86	1700	0.8	0.6	35	0.8	146	0.2	0.9	0.481	< 0.05	0.2	253	0.4	19.9	100	66.3	
178755	0.046	76.8	6.1	< 1	3.98	1390	0.7	0.2	36	0.7	96	0.1	1.2	0.555	0.41	0.3	271	0.3	20.0	126	95.2	
178756	0.039	37.5	7.0	< 1	3.42	1400	0.7	0.2	31	0.8	169	< 0.1	1.1	0.479	0.17	0.4	233	0.2	13.7	125	77.1	
178757	0.038	34.4	10.2	< 1	3.97	1450	1.2	1.0	33	0.8	135	0.2	0.3	0.541	0.24	0.1	273	2.4	18.0	139	60.5	
178758	0.055	29.5	4.4	< 1	3.12	1400	0.4	< 0.1	36	1.0	84	< 0.1	1.2	0.448	0.16	0.3	248	< 0.1	27.9	187	88.0	
178759	0.068	23.7	5.7	2	1.94	1220	0.4	< 0.1	32	1.0	128	< 0.1	1.9	0.599	0.12	0.5	273	< 0.1	34.4	155	127	
178760	0.063	20.1	14.4	< 1	1.46	910	2.9	1.5	19	1.5	309	0.1	1.9	0.287	< 0.05	0.8	123	1.0	19.6	67	87.0	
178761	0.067	22.3	4.3	< 1	2.05	1500	< 0.1	< 0.1	34	1.0	162	< 0.1	2.0	0.415	0.10	0.6	219	< 0.1	36.5	171	91.8	
178762	0.068	21.6	5.6	< 1	2.15	1550	< 0.1	< 0.1	36	0.4	204	< 0.1	2.0	0.252	0.09	0.5	182	< 0.1	37.2	135	59.7	
178763	0.063	16.9	3.8	< 1	2.09	1510	0.1	< 0.1	35	0.3	162	< 0.1	2.0	0.417	< 0.05	0.5	260	< 0.1	36.1	135	125	
178764	< 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	
178765	0.070	13.4	5.0	< 1	1.99	1600	< 0.1	0.3	37	0.3	218	< 0.1	2.1	0.450	< 0.05	0.6	256	< 0.1	37.3	142	111	
178766	0.076	17.5	4.4	< 1	2.21	1560	0.3	< 0.1	36	0.7	182	< 0.1	2.1	0.444	0.06	0.6	226	< 0.1	38.9	139	94.8	

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	
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
OREAS 45d (Fire Assay) Meas					< 100																			
OREAS 45d (Fire Assay) Cert					23																			
OREAS203 Meas	846																							
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		13.80		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						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	486																							
OREAS 251 (FA-Anaster) Cert	504																							

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
178732 Orig	< 5																						
178732 Dup	< 5																						
178734 Orig		6.00	< 0.1	2	100	69	< 1	< 0.1	6.46	< 0.1	12	41.3	57	100	3.0	7.00	1.0	1.00	5.0	20.5	1.67	2.0	73.4
178734 Dup		7.00	0.1	1	< 100	72	< 1	< 0.1	6.31	< 0.1	12	41.2	56	98.4	3.0	7.00	1.0	< 0.01	5.0	21.3	1.67	1.9	74.6
178742 Orig	< 5																						
178742 Dup	< 5																						
178762 Orig	6																						
178762 Dup	6																						
Method Blank	< 5																						
Method Blank	< 5																						
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
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	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	0.059	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
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
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																					

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	
178732 Orig																						
178732 Dup																						
178734 Orig	< 0.001	60.0	3.7	< 1	3.00	1240	6.7	0.2	30	0.9	59	< 0.1	< 0.1	< 0.001	0.27	< 0.1	220	< 0.1	16.0	88	65.0	
178734 Dup	< 0.001	60.0	3.9	< 1	4.00	1220	6.2	0.1	30	0.7	61	< 0.1	< 0.1	< 0.001	0.30	< 0.1	222	< 0.1	17.0	91	64.0	
178742 Orig																						
178742 Dup																						
178762 Orig																						
178762 Dup																						
Method Blank																						
Method Blank																						
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	