

**GOLD MINE BROOK PROPERTY REPORT  
GEOCHEMICAL AND PORTABLE XRF EXPLORATION  
GUYSBOROUGH and HALIFAX COUNTIES, NOVA SCOTIA**

**EXPLORATION LICENCE  
40104**

Location: 45° 07' N, 62° 24' W  
NTS: 11E/01

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## SUMMARY

This report summarizes the historical and recent exploration work carried out on a group of mineral claims known as the Gold Mine Brook property, of which Halle Geological Services (Halifax, Nova Scotia) has a 100% interest. The Gold Mine Brook property lies at the upper reaches of the Moser and Liscomb Rivers in the Fifteen Mile Stream district, approximately 160 kilometres northeast of Halifax, Nova Scotia.

The Gold Mine Brook claim group consists of 42 mineral claims and is situated on the Ragged Lake anticline. Due diligence of historical accounts of quartz veins were found to be largely float occurrences and only those along the Gold Mine Brook could be verified. The proximal expression of two Au-in-till geochemical anomalies discovered by Seabright Resources (1987) was targeted in a 38 sample till survey. One highly-anomalous gold concentration was found and warrants future work.

In addition, a portable XRF was employed on all road outcroppings and on select traverses to produce 129 multi-element readings of bedrock throughout the property. In addition to the detection of widespread Zn and Pb mineralization, local concentrations of Cu and As were detected in Fe-rich and schisty sediments. A concentration along the southern edge of the property may be the surface expression of the Ragged Lake Anticline. Outcrop in these areas should be prospected further.

### 1.0 INTRODUCTION

The mineral claims known as the Gold Mine Brook property are located approximately 160 kilometres northeast of Halifax, Nova Scotia. They are located on the Ragged Lake Anticline in the Goldenville Group of the Lower Paleozoic Meguma Terrane: a meta-sedimentary package of rocks in central Nova Scotia.

The Gold Mine Brook Property consists of 42 claims that are owned by Halle Geological Services Ltd of Halifax, NS. The property was reported to encompass at least seven quartz vein occurrences, two main geochemical gold anomalies, and at least one report of arsenopyrite-rich float, and is situated at the end of a string of arsenic-in-till anomalies. Quartz veins are hosted in grey-green greywackes or slaty shear zones of the Moose River Group.

This property report was prepared by Jesse R. Halle of Halle Geological Services Ltd. with relevant assessment reports and literature available online from the Nova Scotia Department of Mines and Minerals. The author is a professional geoscientist and has carried out the current work on the property.

### 2.0 DISCLAIMER

This assessment report summarizes the known geology, mineralization, and exploration potential for a contiguous set of mineral claims known as the Gold Mine Brook Property, situated in Guysborough County of Nova Scotia. While reasonable care has been taken in the preparation of this report, the writer cannot guarantee the accuracy or completeness of all supporting documentation. The interpretive views, conclusions, and recommendations expressed herein are those of the author. It is believed that the information contained in this document will be reliable under the conditions and subject to the limitations of this document.

### 3.0 LOCATION and ACCESS

The Gold Mine Brook Property is located in western Guysborough County, extends just into Halifax County, and is roughly 30 kilometers north of the town of Sheet Harbour (Figure 1) in Nova Scotia, Canada. The mineral tenure is centred approximately 10 kilometres east-southeast of the Fifteen Mile Stream gold camp, 2.5 kilometres east of Provincial Highway 374. The claim block is easily accessed by local gravel road; the Liscomb River Road accesses the eastern part of the claim group, and the Mosher Lake Road accesses the western side. Both of these roads can be accessed via the Seloam Lake Road, beginning at Highway 374. The claims are further accessed through numerous side roads into forestry cut blocks.

The Gold Mine Brook claim group consists of 42 contiguous quartz claims. The claim group is centred at 45° 07' N latitude and 62° 24' W longitude on NTS map sheet 11E/01, Liscomb River. The UTM coordinates are approximately 548000 E and 4997000 N (UTM Zone 20N, NAD83).

Sheet Harbour, NS is an ocean-side town with a population of approximately 5000 people. The community is situated at the junction of Provincial Highways 374 and 224 with Highway 7, Nova Scotia's coastal artery connecting all port communities. The highway terminates at the full-service supply municipality of Halifax, approximately 115 kilometres from Sheet Harbour.

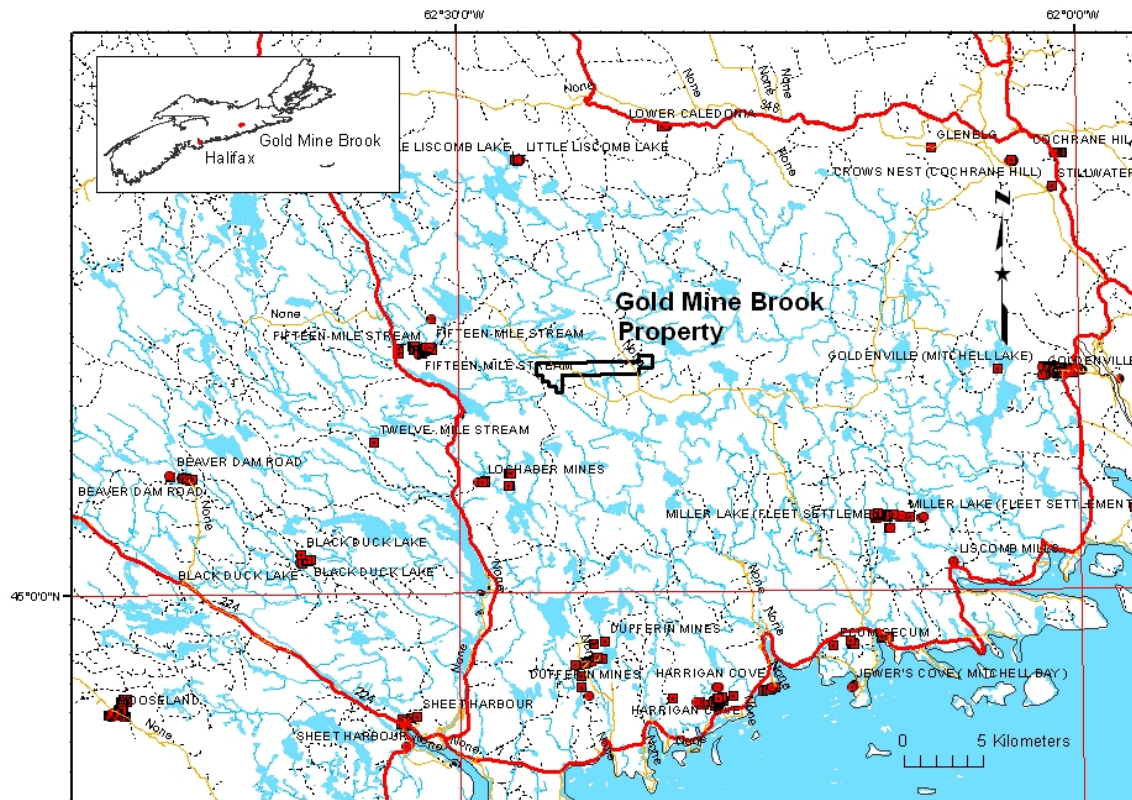


Figure 1: Property Location Map (2014)



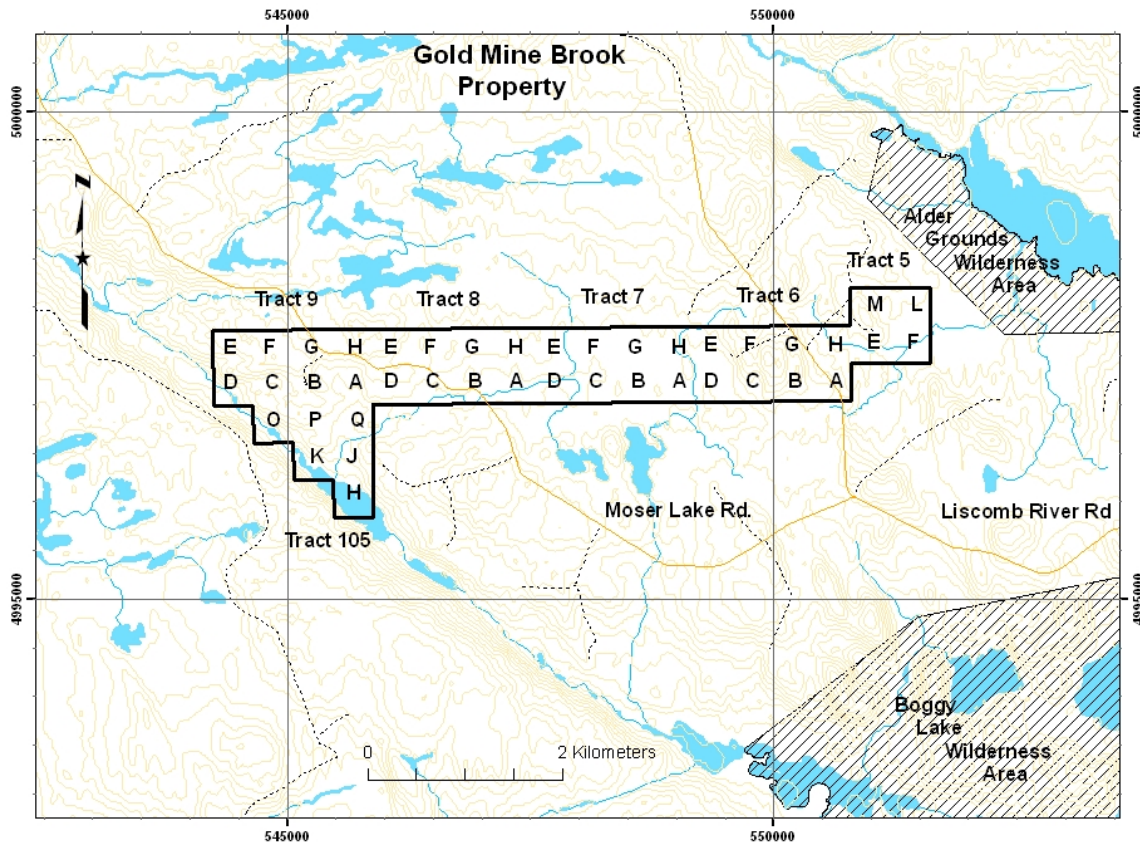
#### 4.0 LICENCE TABULATION

The Gold Mine Brook property consists of 42 quartz claims in Guysborough with the western portion in Halifax County, staked in accordance with the Nova Scotia Mineral Resources Act by Halle Geological Services Ltd. Claim details are listed below (Table 1) and a map of the claims is depicted in Figure 2.

**Table 1: Claim Information**

| Licence Number | NTS Reference | Tract | Claim                  | Expiry Date |
|----------------|---------------|-------|------------------------|-------------|
| 40104          | 11E1C         | 5     | E, F, L, M             | 2014/10/21  |
| 40104          | 11E1B         | 105   | H, J, K, O, P, Q       | 2014/10/21  |
| 40104          | 11E1C         | 9     | A, B, C, D, E, F, G, H | 2014/10/21  |
| 40104          | 11E1C         | 8     | A, B, C, D, E, F, G, H | 2014/10/21  |
| 40104          | 11E1C         | 7     | A, B, C, D, E, F, G, H | 2014/10/21  |
| 40104          | 11E1C         | 6     | A, B, C, D, E, F, G, H | 2014/10/21  |

Claims C, D, and E of Tract 9, and claims H, J, K, O and P of Tract 105 are partially available due to the adjoining Boggy Lake Wilderness Area, a candidate protected area. The land in which the mineral claims are situated is Crown Land and falls under the jurisdiction of the Government of Nova Scotia



**Figure 2: Gold Mine Brook Claim Map (2014)**

## 5.0 CLIMATE, PHYSIOGRAPHY, and VEGETATION

Nova Scotia lies in the mid-temperate climatic zone and although the province is surrounded by ocean, the climate is more continental than maritime. The continental extremes in climate from westerly prevailing winds can be lessened by the effect of open ocean waters that can moderate these extremes or generate dominant air masses. Nova Scotia is on average the warmest of all provinces of Canada with average summer temperatures reaching 25°C and average winter temperatures dropping below freezing. Throughout the year, the area receives generally high annual precipitation from coastal storms, with snow lasting from December to April.

The topography in the claim area is one of hills and valleys, never more than a few hundred feet in elevation change (Figure 3). Elevations on the property range from 100 to 180 metres above sea level. The lower elevations have vegetation of mixed peatlands, tamarak, and black spruce but with increased elevation the vegetation grades to pine and broadleaf forests. Nova Scotia's long history has claimed much of the old growth and second growth forests of the area leaving a mixture of mature second growth and young forest plots. Pleistocene glaciation has left a thin, metre-scale veneer of boulder till and glacial features with bedrock outcrop reported at 5%.

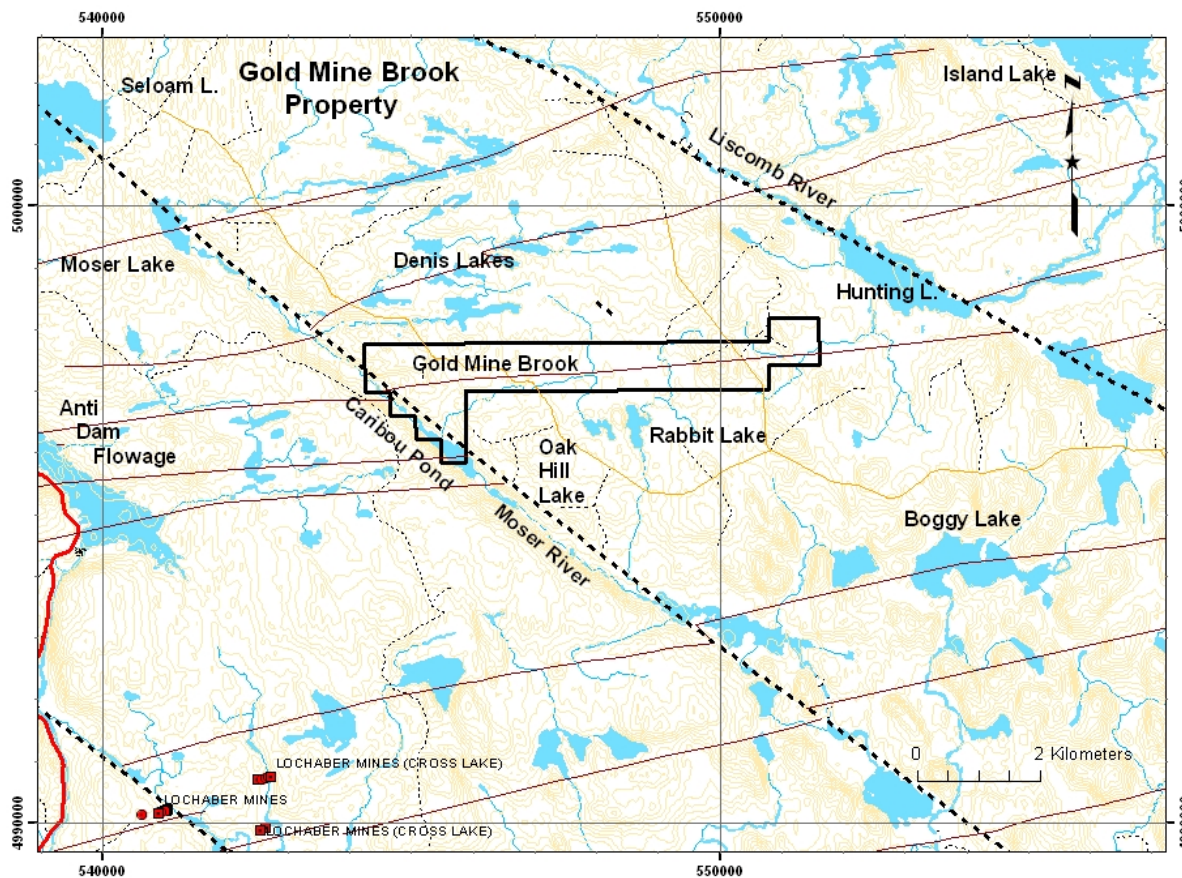


Figure 3: Gold Mine Brook Topography in 5 metre contours (2014)

## 6.0 PROPERTY EXPLORATION HISTORY

There has been a considerable amount of work carried out to the northwest of the Gold Mine Brook claims, especially in the Fifteen Mile Stream area, but very little over the area covered by these claims. The history of the work covering the Gold Mine Brook property follows:

In 1887, Hugh Fletcher and E.R. Faribault reported their geological findings of the previous four years to the GSC. In reference to the gold districts of Guysborough County, Gold Mine Brook is mentioned:

Any quartz-leads found outside these districts contain also visible gold, but have not yet been worked. Among these are the veins passing a little to the south of the first fork of Indian River; those on Alex McDonald's Farm at Stillwater; those on the west side of Goldenville lake, and on the Portage Road on the west side of Liscomb River, a little distance above the mill; the vein crossing the East branch of the Liscomb River, a little below the embouchure of the Black Brook; those of Gold-mine Brook, and that on the East branch of Rabbit Plain Brook. Some of these leas may yet prove rich.

In 1956, an Open File Report on glacial geomorphology by the Government of Nova Scotia was produced, and showed no drumlin features on the current property.

In 1979 Esso performed an airborne radiometric survey over the 11E/01 map sheet. In 1981, Pan East conducted a regional stream and lake sediment survey over the 11E/02 and /01 map sheets as well as an airborne Mag/VLF-EM survey.

In 1982, the GSC mapped the 11E/01 map sheet resulting in a comprehensive geology map of the area. In 1983, prospector William Amey sampled the area of Gold Mine Brook; very few samples were collected and no analyses are available.

In 1986, Seabright Resources performed work on their Moser Lake property that largely surrounded the current Gold Mine Brook property, then held by TriEx Resources. This work included a reconnaissance and detailed geochemical and ground geophysical survey as well as prospecting. A heavy metal concentrate of each geochemical sample was analyzed for maximum contrast. Two samples, 23431 and -38 returned 1490ppb and 1150ppb Au, respectively, and are described in Table 2 and shown in Figure 4. Of some 4300 samples collected regionally, they rank 32<sup>nd</sup> and 38<sup>th</sup>, respectively. The survey also highlighted a string of arsenic anomalies just east of the property. The closest As anomaly is 40 metres east of the property ranks 10<sup>th</sup> in arsenic at 769ppb (Figure 4).



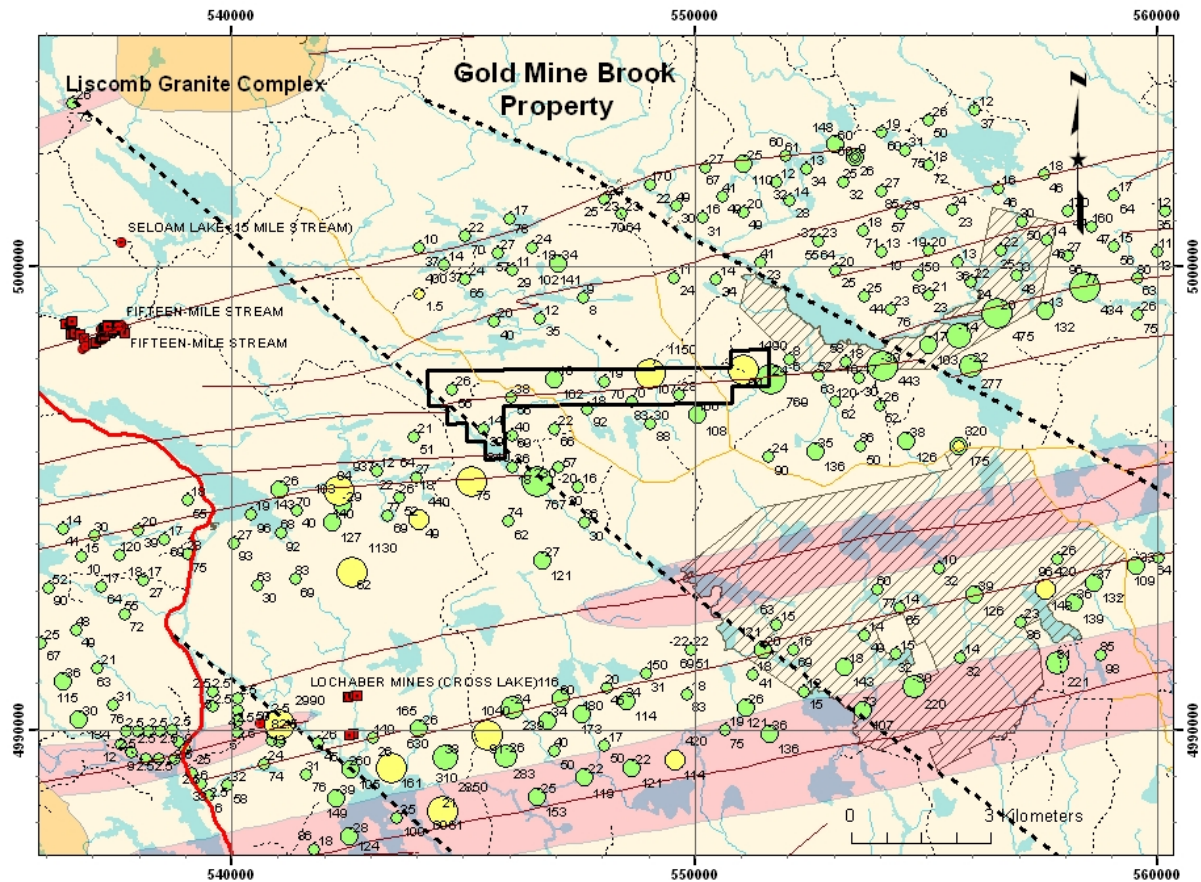


Figure 4: 2014 Compilation of Seabright Geochemical Results for Au (in yellow) and As (in green)

Table 2: Historical Geochemistry Anomalies

| Sample No. | Original Mapped Location | Au ppb | Pebble Count                                               | Sphericity                                               |
|------------|--------------------------|--------|------------------------------------------------------------|----------------------------------------------------------|
| 23431      | Off of side road         | 1490   | 55 Greywacke<br>2 Qz sandstone<br>2 Argillite<br>7 Foreign | Sub-angular<br>Sub-rounded<br>Sub-angular<br>Sub-rounded |
| 23438      | N of Rabbit Plain Bog    | 1150   | 89 Greywacke<br>8 Spotted Slate                            | Angular<br>Sub-angular                                   |

The nearest arsenic anomaly, sample 23430, is 500 m ESE from 23431 and returned 769 ppb arsenic; it's location was never given in the original report, but the NSDNR report in 1994 rudimentarily identifies its location.

In addition, 3 stream samples were collected: one at the intersection of Rabbit Lake brook and Moser Lake Road (just south of the current property) that returned 1410 ppb Au. Tri Explorations (TriEx) Ltd. collected thirteen rock samples in 1987 which failed to produce significant results, but prospecting found an angular arsenopyrite-rich float "south of the access road near Gold Mine Brook":

This float was altered quartzite to a considerable degree, showing some coarse mica development (sericitic). It carries quartz veins, apparently filling cross-fractures. These veinlets and the host quartzite carry arsenopyrite at a medium level of content. The arsenopyrite in the host rock occurs as scattered coarse pockets associated with biotite.

A "4 to 8 inch quartz vein in place under about 3 feet of water" was not sampled, nor was the arsenopyrite-rich boulder.

In 1987, Seabright followed up on the previous years results. Due to claim boundaries, Seabright established two grids immediately north and up-ice of the two geochemical samples listed in Table 2 calling them the 'Lookout Hill Grid' and the 'Rabbit Plain Bog Grid'. They were unable to support the initial findings. However near 1000m drilling on the Fifteen Mile Stream anticline (northwest of the property) produced visible gold in two holes.

NovaCan acquired the far eastern portion of the current property (which had gold and arsenic anomalies of its own) and in 1987 performed Mag and VLF in the Hunting Lake area. This same year, NovaGold performed geophysics immediately off the northwestern end of Hunting Lake.

Prospector A. Thompson (1988) operated under Tri Explorations license and managed nine samples of quartz vein material from within the Gold Mine Brook with results no greater than 0.05g/t. An 18" quartz vein west of his seventh sample was under water and not sampled.

Seabright again returned to the area in 1989 and performed geophysics southwest of Caribou Pond, southwest of the current property.

In 1998, RJZ performed a technical compilation of geological and geochemical data and reprocessed and reinterpreted aeromagnetic data. They also prospected and performed a biogeochemical survey and sampling along the eastern trend of the Beaver Dam Anticline in the Moser Lake area. Five biogeochemical samples collected 7 ppb and two collected 13 ppb.

Acadian Gold Corporation had the property in 2007 and conducted soil sampling, prospecting and 5 km of ground magnetics all on the provincial highway located well west of the current property and southwest of Caribou Pond. Ten holes of RC drilling returned as much as 310 ppb gold.

In 2010, Acadian Mining performed a regional helicopter-borne VLF-EM survey targeting many anticlines in the Meguma including the Tangier, Fifteen Mile Stream, Oldham, Goldenville, and the Moose River/Ragged Falls/Beaver Dam anticline. Their work highlighted low magnetics coupled with an anomalous VLF response on the eastern end of the Gold Mine Brook property.

## 7.0 GEOLOGICAL SETTING

The following is taken from a 2007, and later a 2010 Assessment Report on the property by Acadia Gold Corporation. The remarks on quaternary geology are taken largely from Seabrights 1988 Assessment Report.

### 7.1 Regional Geological Setting

The Meguma Terrane is a Lower Paleozoic (Cambro-Ordovician aged) tightly-folded, thick, sedimentary sequence of interbedded graywacke and slates. Woodman (1904) and others have suggested the formation to be of shallow marine origin. Campbell (1966) concluded from sedimentary structures within the Meguma Supergroup stratigraphy that deposition of the Goldenville Group occurred within well-defined, plunging, deep-sea troughs, with bottom currents subsequently redepositing some of the finer sediments. Age determinations for the Meguma Supergroup have been largely based on the presence of graptolitic fossil remains, microfossils and K/Ar age determinations of detrital micas suggesting the Meguma Supergroup is of Cambrian-Ordovician age.

The Supergroup is subdivided into two formations: a basal greywacke-dominated Goldenville Group overlain by an argillaceous and pyritic Halifax Group (Figure 5). The Goldenville Group is dominated by a greywacke sequence estimated to be up to 5600 metres thick. This stratigraphy is conformably overlain by the slate-dominated Halifax Formation with a stratigraphic thickness of about 4400 metres. Together these two formations constitute more than 60% of the bedrock geology of southern Nova Scotia.



Figure 5: Regional Geological Map (2014)

In 1986, O'Brien studied the Halifax-Goldenville contact in the Mahone Bay area noting in part the transitional contact between the Goldenville and Halifax Groups is rich in manganese. It was later noted to locally host minor concentrations of gold, zinc, and tungsten, in addition to other minerals (Graves and Zentilli, 1988b).

In the Middle Paleozoic (Devonian), a suite of granitic to granodioritic stocks and batholiths intruded the Meguma Terrane, resulting in localized contact aureoles. There is some evidence for syntectonic emplacement (White, 2008).

The Goldenville Group forms the lowermost part of the Maguma Supergroup and hosts most of the known gold deposits in the province. The formation generally consists of intercalated meta-greywacke and meta-siltstone (Malcolm, 1976). On the eastern shore, the Goldenville Group generally consists of repeated turbiditic cycles consisting of thick meta-greywacke fining upwards to thin meta-siltstone and black slate caps.

The Halifax Group forms the upper part of the Maguma Supergroup and is generally comprised of thinly-bedded slates and minor fine-grained quartzose sandy siltstone. The Cunard Formation is a stratigraphic marker consists of fine-grained, dark slates that carry a significant amount of sulphide mineralization, including pyrite, pyrrhotite, and arsenopyrite. Slates are commonly graphitic to chloritic, blue-grey in color and highly friable along cleavage and bedding. Lower units in the formation are carbonate-rich with calcite and magnesite identified in veinlets and nodules.

The Gold Mine Brook area is covered by an estimated 3 metres of glacial till of Wisconsinian age. According to Stea and Fowler (1979), there are three directions of glacial movement in the property. The oldest movement is southeast (150° to 160°), later followed by southward movement (170° to 180°). A southwest movement (200° to 220°) is believed to be the youngest within the area.

Work by the Nova Scotia Department of Mines and Energy and Seabright Resources outline two types of till in the Moser Lake area, just south of the property. The first is the Lawrencetown Drumlin Till facies present in the eastern portion of the property. The second is the Maguma Till or Quartzite Sheet that is most dominant unit within the area. McEachern and Stea (1985), in their study of dispersal patterns within this till, concluded the coarse fraction of the basal tills largely reflects the composition of the bedrock. They also found a roughly 100 to 300 m transport of gold-rich till southeastward from known gold-bearing quartz veins. Moreover, the fine fraction of the till (<63 µm) is suggested as the best size range for analysis in gold exploration.

The Meguma Terrane was affected by pervasive greenschist to amphibolite facies regional metamorphism during the Devonian Acadian Orogeny. Alteration believed to be associated with gold mineralization is characterized by variably developed carbonate, sericite, chlorite, and sulphide phases. Moderate to intense silicification and bleaching, especially within greywackes, has locally-developed distinct "quartzites" that in some cases act as marker beds within the gold-bearing stratigraphy (Smith and Kontak, 1987). Smith et al. (1992) suggests that widespread hydrothermal alteration haloes are associated with gold and sulphide mineralization.

## 7.2 Mineralization

Gold deposits and mineralization in Nova Scotia are primarily confined to the Goldenville Group. Native, visible gold is generally hosted in three different environments within the Goldenville Group. Coarse-

grained gold is found in association with bedding-parallel quartz veins, adjacent cross veins, and within associated wallrock slates. Fine-grained gold (<100 mesh) has been noted within altered argillite and siltstones that have no associated veins (Hudgins, 1989). A recent examination of several gold prospects by and NSDNR staff has shown that significant gold mineralization can also occur within thick sequences of altered greywackes in association with electrum and intermetallic compounds (Smith et al., 1994).

Mappable formations are locally recognized within the Goldenville Group. Horne and Pelley (2007) define three formations within the Goldenville Group on the Eastern Shore: the basal Moose River Formation (Fifteen Mile Stream Fm.), overlain by the Tangier Formation, then the Taylor's Head Formation. Although gold districts occur in all three of these formations, several deposits with significant open pit potential (Moose River, Beaver Dam, Fifteen Mile Stream) occur within the Moose River Formation; it is composed mainly of fine-grained meta-siltstone and slate, a feature which distinguishes it from the other formations as the others are meta-greywacke dominated.

It is believed that thick intervals of fine-grained material in anticlinal hinges are crucial to the development of bulk minable deposits. At many deposits, black sulphide-rich pelite and thinly-banded, multi-colored siltstone are characteristic host rocks for gold mineralization. Sangster and Smith (2007) in studying rocks of the Fifteen Mile Stream district noted mineralization is characterized by veins and wallrock both containing arsenopyrite with accessory pyrite, pyrrhotite, galena, and chalcopyrite. Stratigraphic continuity is notable within the gold-bearing host rocks where individual beds and quartz vein packages have been traced for over 1 kilometre in strike length and several hundreds of meters in dip extension.

### **7.3 Structure**

The Minas Geofracture/Cobequid-Chedabucto Fault System defines the boundary between the Meguma Terrane to the south and the Avalon Terrane to the north. Mainland Nova Scotia represents the most southerly zone of the Canadian Appalachian Province. Faribault, (1897a and b, and 1893) defined numerous northwest-southeast trending, steeply-dipping, sinistral, and brittle to ductile discordant faults showing displacements ranging from several meters to several kilometers.

The Meguma Terrane has undergone a complex structural history that in some locations records up to five stages of deformation (O'Brien, 1983; Keppie, 1982) although all these fabrics are not recognized in individual gold districts (Smith 1983). During the Devonian age Acadian Orogeny, pervasive deformation was superimposed on the Meguma strata producing a series of tight northeasterly-trending, non-cylindrical, doubly-plunging folds. In the gold districts, these folds form elliptical shaped domes that plunge on the axial ends. Strong cleavage development with slaty rocks and pressure solution or spaced, cleavage within greywacke beds are characteristic of deformation during this time (Smith and Kontak, 1987). The majority of Nova Scotia gold deposits lie on the steepest or overturned limbs of the regionally developed F2 anticlinal folds, within veins that formed prior to, or during, folding.

Significant gold mineralization also occurs within fold hinges, as in the Upper Seal Harbour, Salmon River, and Mount Uniacke Gold District, and in other zones of dilation related to folding. Post folding shears and faults appear to be intimately associated with non quartz vein styles of gold mineralization such as those seen at Touquoy and North Brookfield.



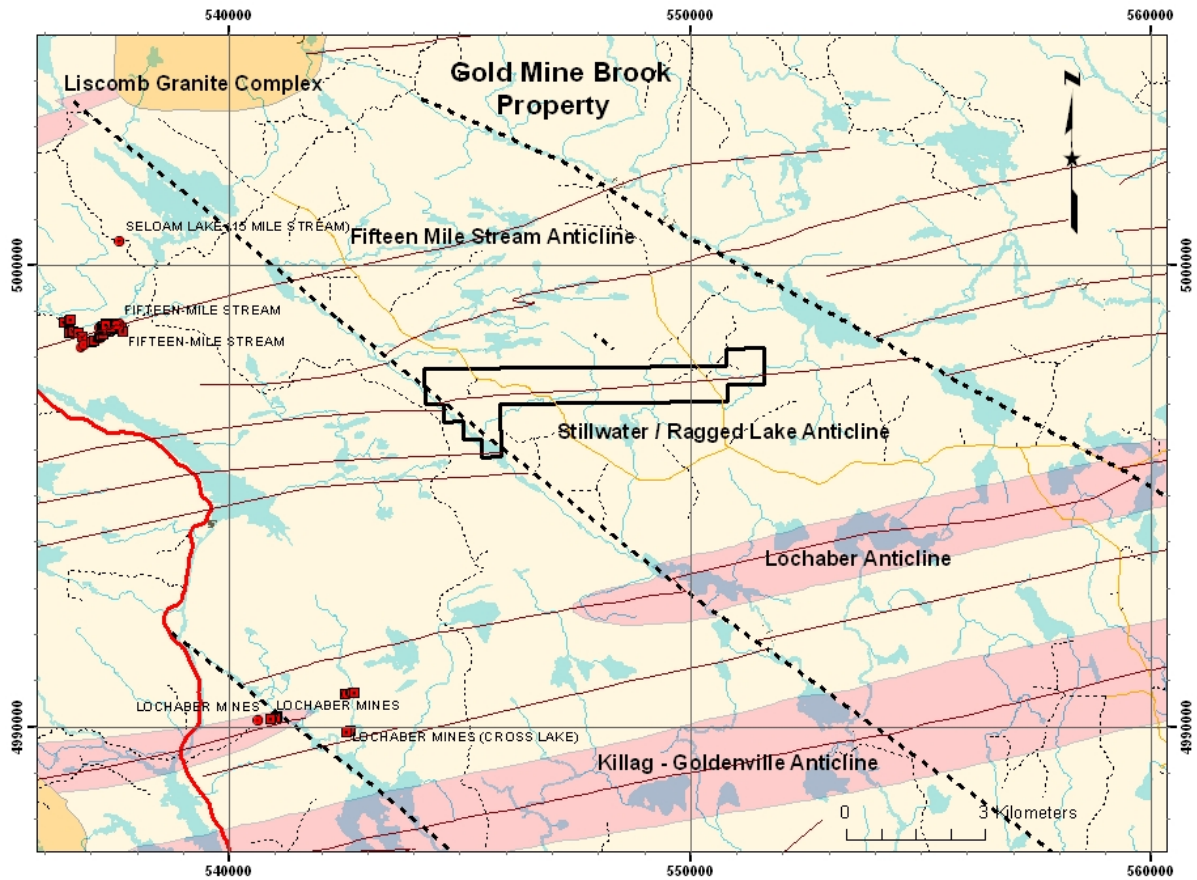


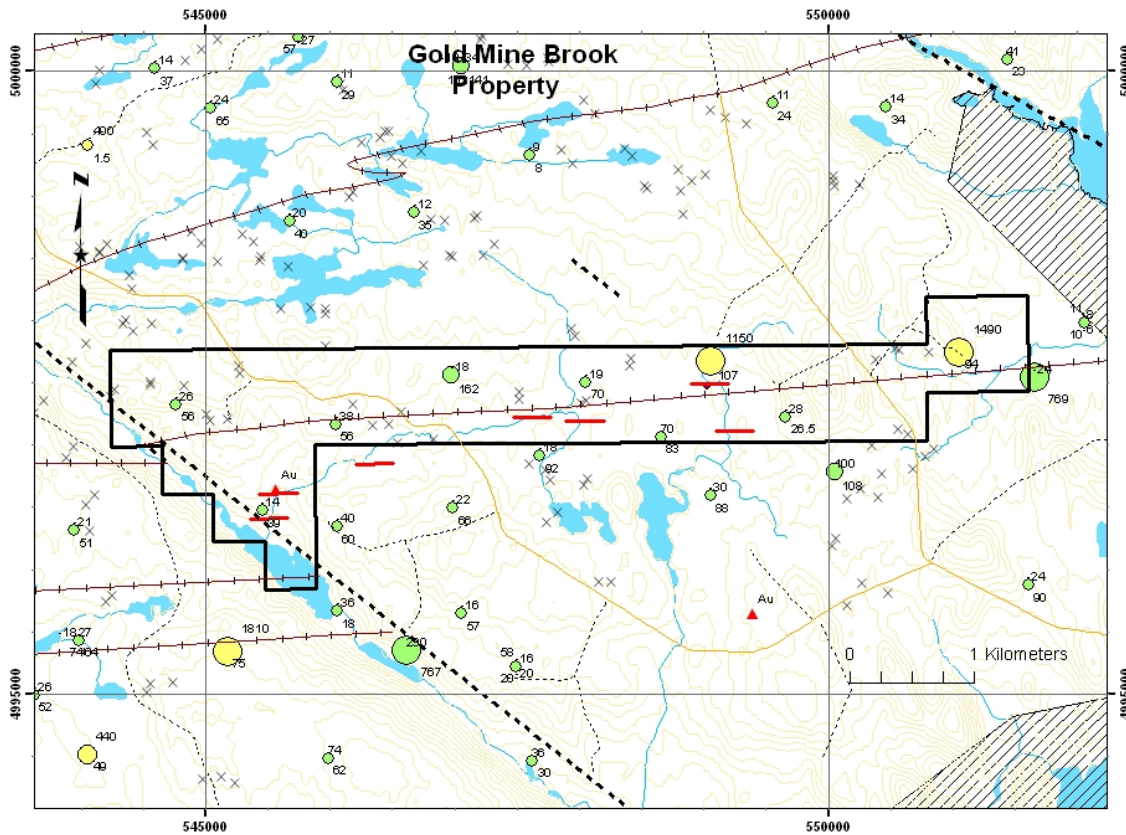
Figure 6: Structural Geology, showing anticline traces in red (2014)

#### 7.4 Property Geology

Outcrops are limited in the Gold Mine Brook area (Figure 7). A few exposures of “quartzite” along Gold Mine Brook are reported. An outcrop of highly sheared quartzite was examined just northwest of Gold Mine Brook in a report by TriEx. This material carried inclusions of slate particles up to 1.5 inch scattered along “many sheer planes” more or less paralleling the folding and in this case, the bedding. Initial examination of this material did not show sulphide mineralization, but the writer believed significant slate beds extend beyond Rabbit Plain Bog (Dawe, 1987).

The axial trace of the westward plunging Ragged Falls Anticline passes through the Gold Mine Brook property. From Seabrights work, elevated gold-in-till occurs in proximity to, and down-ice from, the interpreted anticlinal axis. The sinistral displacement of the anticlinal structure by roughly 400 metres at the western terminus of the claims is a result of a northeast-trending fault that transects the anticline.

The Nova Scotia Government Mineral Occurrences file lists a gold occurrence on the property calling it the Gold Mine Brook gold occurrence and placing it where the brook begins to flow southward near the confluence with Caribou Pond. The Rabbit Plain Brook gold occurrence occurs just east of Rabbit Plain Brook and approximately 1.2 kilometres south of the current Gold Mine Brook Property.



**Figure 7: Property Geology showing bedrock outcroppings, quartz veins with red lines and mineral occurrences with red triangles (2014)**

Gold was discovered at Fifteen Mile Stream in 1867 but not mined until 1882 when a proper mill was constructed and the Serpent and Orient leads were worked. A fire destroyed the mill in 1887. The New Egerton Gold Mining Company reopened the mine in the years that followed and the bulk of the mining of the known deposit took place over the next 20 years.

Historic production from the mine is 20,000 oz. Au from about 49,000 tons of crushed ore. Most of this was from the period between 1888 and 1898 and from the McLean and Mother Seigel mines which are located in the Egerton Workings.

## 8.0 DISCUSSION

Arguably all of Faribault's claims of gold on properties noted in the excerpt from Chapter 6 have been proven or supported with the exception of the Gold Mine Brook property. Significant gold values have not been documented from the property despite numerous known quartz veins, quartz and arsenopyrite-rich angular float, and slaty shear zones.

The release of regional geochemical data from Seabright Resources highlighted a string of gold and arsenic anomalies along the Ragged Lake anticline. Investigation of their work has revealed inconsistencies with respect to sample location:

- 1) Samples were collected prior to the advent of GPS navigation thus some uncertainty of exact sample location exists.
- 2) The coordinate translation from the data compilation by the NS government shows an over-200 metre discrepancy from original locations.
- 3) Some sample locations were not shown on original reports but were acquired by the NS Government compilation. If this data is correct, then some geochemical samples were collected on property not held by Seabright Resources.

The author has plotted all available sample location and topological data in relation to the current claim boundary and will attest:

- 1) That both gold anomalies in Table 2 were shown in the original report to be just inside Seabright Resources claim boundary, but in fact were on TriEx's claims to the south. The NS government data supports this conclusion.
- 2) That the NS Government data plots sample locations around 200m north of the majority of sample locations from the original report, even those with good control.

It is plausible that during the translation and transformation of over 4300 sample locations across the province, there have been cartographic errors such as a datum conversion error. The original report shows sample locations on lakeshores, adjacent boggy wetlands, and beside road clearings: all likely sample locations adjacent helicopter landing zones. The published data invariably places sample locations well away from any such locations.

From 1987 to the present, the bulk of the current Gold Mine Brook property has been held by prospectors and junior companies that seemed to lack the resources to appropriately follow-up on these leads. Seabright attempted to reproduce the two gold anomalies with two grids and hundreds of more samples, but it is now known that they were well north of the original sample location. No one else has attempted any further investigation of these anomalies.

Using a portable XRF analyzer on drillcore from Fifteen Mile Stream, Guselle et al. (2012) reported finding As and Zn correlation with gold. Therefore, a hand-held XRF device to obtain analysis in the field on both rock and soil samples is valuable to focus exploration efforts on real-time results for the pathfinder elements of As, Cu, Zn, and Pb.

## **9.0 WORK PERFORMED**

During a site visit in early summer, due diligence on the outcrops reported to contain quartz veins were found to be quartz float occurrences. Only those reported to exist in the streambed of the lower reaches of Gold Mine Brook were verified. Hallé Geological Services obtained a Nova Scotia Mineral Incentive Prospectors Grant for the following mineral exploration program.

### **Portable XRF Survey**

A portable Niton XRF XL3t device was leased from Elemental Controls of Mississauga, ON during the third week in July. The device was used to take 30-second spot-measurements on all road outcrops during traverses of the two main roads that transect the property. The area surveyed is outlined and entitled XRF Zone 1 and Zone 3 in Figure 8. In addition, two main foot traverses were conducted. The

first traverse took readings at outcroppings near a sulphidic quartz boulder occurrence found early in this spring occurring within the boundary of XRF Zone 2, Figure 8. The second traverse (XRF Zone 4) was conducted to the lower reaches of Gold Mine Brook to read the best outcrop exposure on the property. The geology in this location trends perpendicular to regional rock strike.

Some 129 measurements were taken in all, the results of which are included in Appendix A. Highlights of the survey are shown in Table 3 and reading locations, absolute values in ppm, and their standard deviations are shown for each reading above detection in each of the four zones in Figures 9 through 12. A total of 4 standards were read during and after the traverses to verify accuracy of readings; their results, along with expected results, were excellent and are also shown in Appendix A.

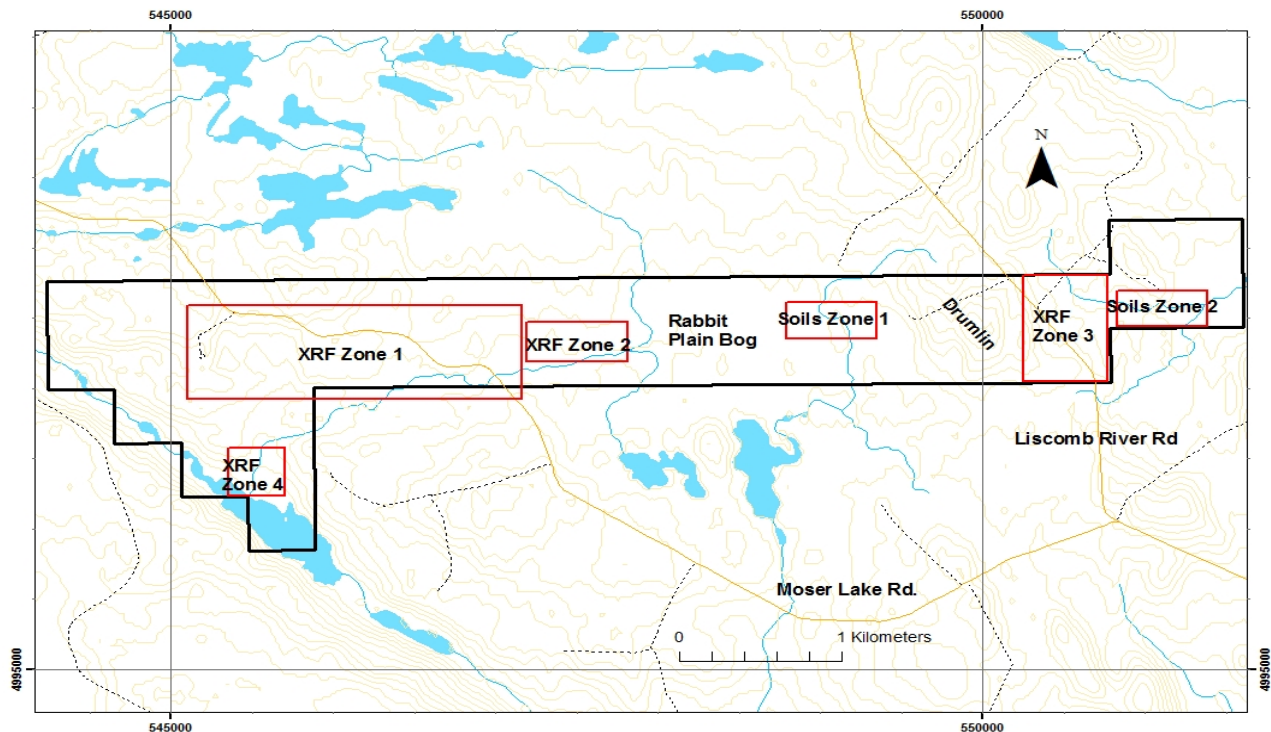
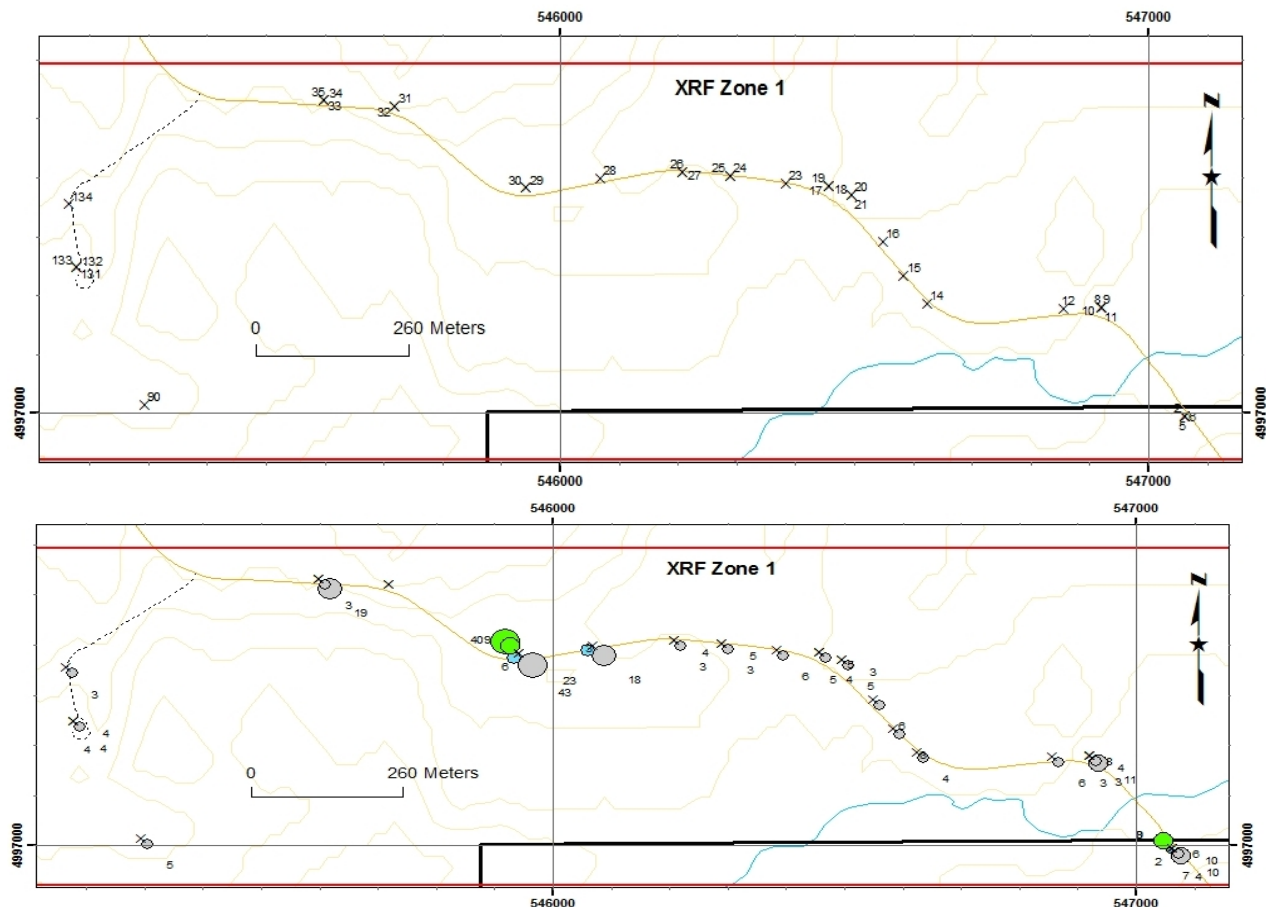


Figure 8: XRF Zone and Till Zone Locations (2014)

**Table 3: XRF Survey Highlights**

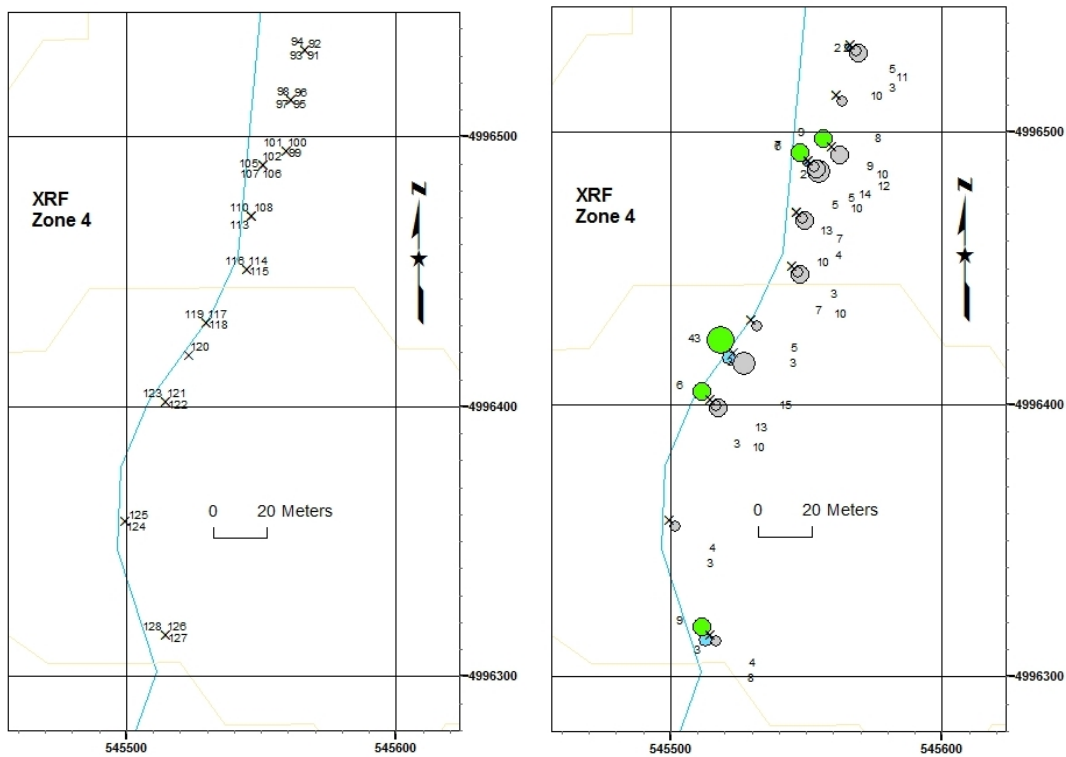
| Easting (nad83) | Northing (nad83) | Way-point | NOTES                                                                 | As (ppm) | Pb (ppm) | Zn (ppm) | Cu (ppm) |
|-----------------|------------------|-----------|-----------------------------------------------------------------------|----------|----------|----------|----------|
| 546919          | 4997178          | 10        | Greywacke rocks                                                       | < LOD    | < LOD    | 11       | < LOD    |
| 546067          | 4997398          | 28        | Proximal greywacke boulders and quartz vein                           | 3        | 11       | 18       | < LOD    |
| 545942          | 4997381          | 29        | Proximal quartz boulders with schisty wallrock                        | 6        | 3        | 43       | 4        |
| 545942          | 4997381          | 30        | Proximal quartz boulders with schisty wallrock                        | < LOD    | 3        | 23       | 9        |
| 545599          | 4997531          | 33        | Greywacke rocks                                                       | < LOD    | 18       | 19       | < LOD    |
| 550655          | 4997137          | 41        | Bleached greywacke rocks, locally schisty, possible biotite           | 5        | 45       | 8        | 7        |
| 550592          | 4997223          | 49        | Very fine grained greywacke rocks, disseminated biotite, rare epidote | < LOD    | < LOD    | 13       | < LOD    |
| 547391          | 4997240          | 88        | Large QV boulder discovery wallrock                                   | 48       | < LOD    | < LOD    | < LOD    |
| 545523          | 4996419          | 120       | 10-15cm QV in schisty metaseds                                        | 3        | 26       | 15       | 43       |



**Figures 9a (upper) and 9b (lower): XRF Zone 1 Reading Locations (9a) and Results (9b) with Cu in green; Zn in grey; As in blue (2014)**



2014 Property Report



**Figure 12a (left) and 12b (right): XRF Zone 4 Reading Locations (12a) and Results (12b) with Cu in green; Zn in grey; As in blue (2014)**

The Niton Portable XRF showed detectable Zn in 103 readings of 129, detectable Cu in 14 readings and detectable As in only 11. Of the Fe readings above 4%, 13 had detectable Cu and 9 had detectable As. When considering Pb, the XRF detected the element in 33 of the 129 readings but did not show the same correlation with Fe. Molybdenum was only detected in one sample.

The two highest arsenic readings arose from the schisty wallrock enveloping quartz boulder discoveries. The highest came from XRF Zone 3 on the Sph-Py-Gal-Qtz boulder found in the spring. The traverse in this area uncovered two cm-scale quartz veins in outcrop but failed to detect the elements As or Cu in the veins or host rocks. No other quartz boulders were discovered in this area. The second highest As was detected in a proximal quartz boulder found in XRF Zone 1. The two XRF readings on this boulder found anomalous Pb, Cu, and Zn in schisty wallrock enveloping the vein and contained the two highest Fe concentrations in the survey. Other areas of detectable As came from the south end of the road traverse in XRF Zone 2 in moderately-sheared, interbedded greywackes and mudstones and from the south end of the Gold Mine Brook traverse (XRF Zone 4) within finely laminated mudstones.

Two decimeter-scale in-situ quartz veins were noted crossing Gold Mine Brook during the XRF Zone 4 traverse. The highest Cu on the property came from the southernmost of the two. The second highest Cu on the property came from the quartz boulder discovered within XRF Zone 1, while the third and fourth highest readings came from the southernmost outcrops of XRF Zone 2. Finally, the next two highest readings came from Gold Mine Brook (XRF Zone 4) in sandy greywacke with a cm-scale quartz vein in the south and from slatey mudstones in the north (respectively).

## Till Sampling Survey

In August, a 4-foot soil auger was used to gather 38 till samples from the B horizon along two east-west transects near the published gold-in-soil anomalies on the East side of the property (Figure 7). The transects were located approximately 150m south of the published sample locations but on the corrected sampling locations. This would either directly re-sample the original sample location or would detect a glacial dispersal. The first transect is located immediately east of Rabbit Plain Bog (Soils Zone 1, Figure 8) and the second west of Hunting Lake (Soils Zone 2). Some 46 till sample locations were attempted, but 8 proposed sample locations had to be abandoned due to soil horizons in excess of possible sampling depths.

The samples were shipped to ActLabs in Fredericton who dried, sieved (-80 mesh) and subjected samples to a four-acid digestion and ICP-OES and INAA analyses in a package that provides results for 50-elements. The results are shown in Appendix II and highlights are shown in Table 4 below. Figures 13 and 14 locate the till samples and show results numerically and by their standard deviation.

**Table 4: Till Sampling Highlights**

| Sample Number | Description                                                           | Depth (cm) | Au ppm | Cu ppm | Pb ppm | Zn ppm | As ppm | Mass (g) |
|---------------|-----------------------------------------------------------------------|------------|--------|--------|--------|--------|--------|----------|
| GMBS-01       | medium brown and grey, pebbly sand and grit, A and B horizon          | 40         | 2      | 5      | 14     | 42     | 4.9    | 25.7     |
| GMBS-02       | well developed, leached grey-brown A horizon, pebbly                  | 10         | 2      | 4      | 16     | 25     | 1.7    | 23.5     |
| GMBS-04       | light brown, leached A horizon, v. wet                                | 5          | 2      | 5      | 34     | 45     | 7.2    | 24.1     |
| GMBS-09       | very wet, light grey with black organics                              | 60         | 2      | 3      | 3      | 7      | 9.4    | 21.4     |
| GMBS-11       | dry, orange to light brown B horizon                                  | 15         | 2      | 2      | 5      | 20     | 10.4   | 21.5     |
| GMBS-16       | wet organics and minor light grey A horizon and GW rocks, poor sample | 15         | 2      | 32     | 7      | 34     | 0.5    | 1.49     |
| GMBS-21       | wet light brown-grey to green-grey A horizon, and minor orange B      | 5          | 2      | 5      | 18     | 65     | 39.2   | 25.9     |
| GMBS-29       | very minor A, right into light to deep orange B                       | 5          | 2      | 10     | 19     | 31     | 7.2    | 22.2     |
| GMBS-30       | light grey-buff A horizon and minor B horizon                         | 10         | 171    | 2      | 7      | 12     | 3.9    | 22.3     |
| GMBS-34       | riverside, moist light grey to brown A horizon, pebbly to coarse sand | 20         | 2      | 2      | 7      | 43     | 0.5    | 22.9     |
| GMBS-35       | very wet, light grey A horizon with angular pebbles, anaerobic        | 60         | 2      | 9      | 11     | 57     | 2.4    | 28.9     |
| GMBS-36       | light grey-green sandy soil/clay and pebbles, anaerobic               | 90         | 2      | 16     | 13     | 64     | 2.3    | 28.2     |

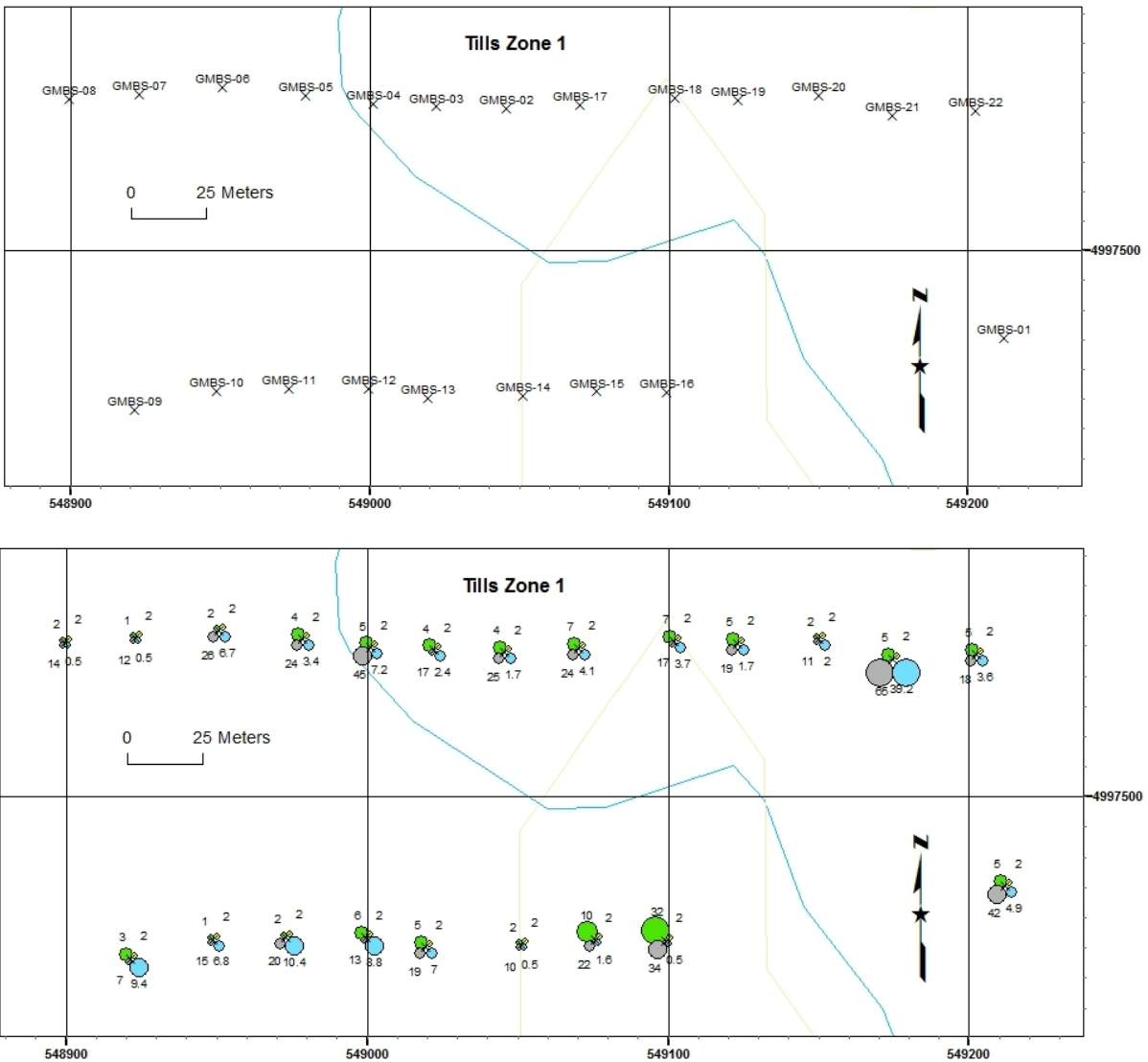


Figure 13a (upper) and 13b (lower): Till Zone 1 Sample Locations (13a) and Results (13b) with Cu in green; Zn in grey; As in blue (2014)

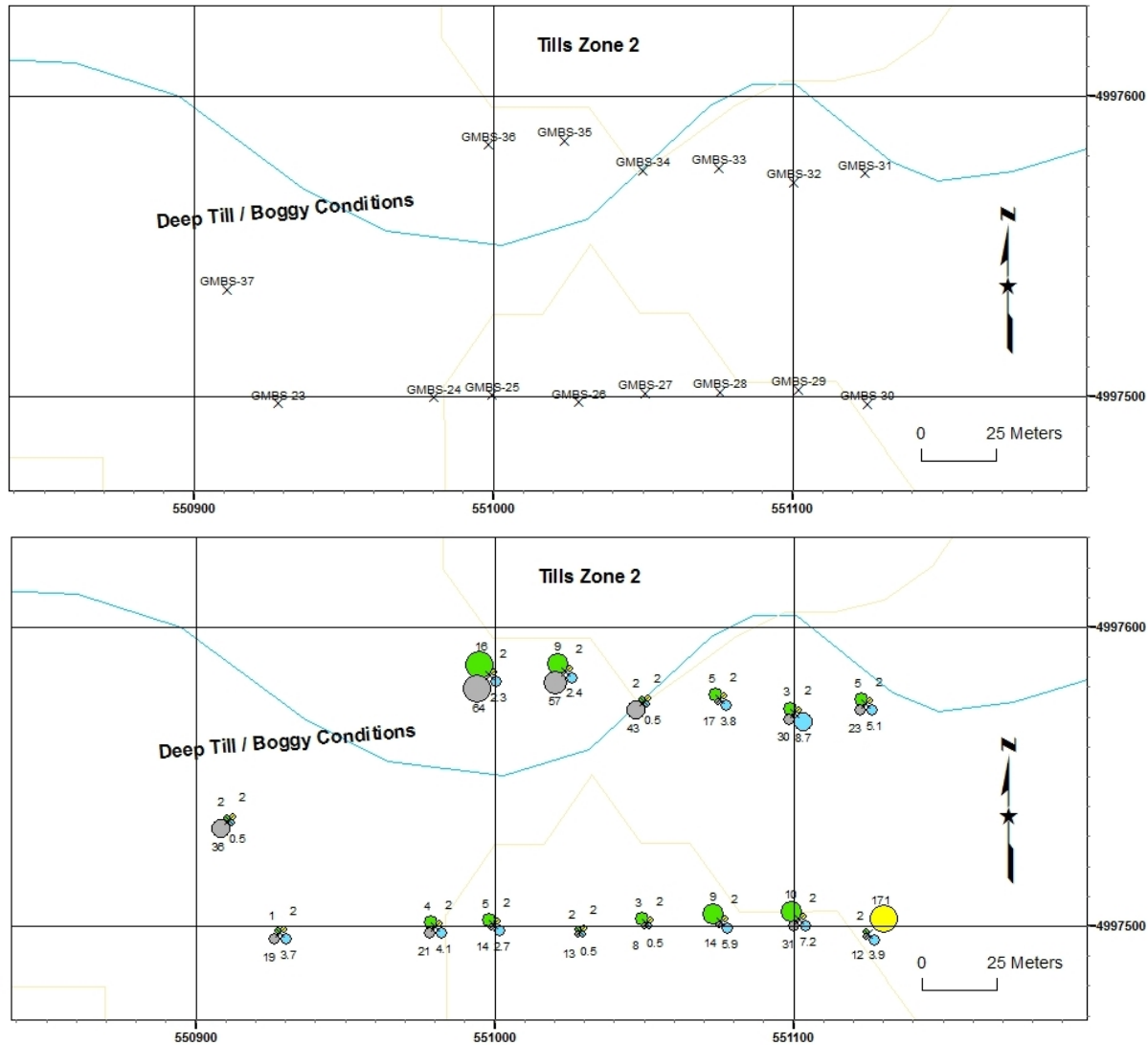


Figure 14a (upper) and 14b (lower): Till Zone 2 Sample Locations (14a) and Results (14b) with Cu in green; Zn in grey; As in blue; Au in yellow (2014)

### Hand Samples Submitted

Two hand samples were submitted for geochemical analysis. Samples GMB-03 and GMB-04 were taken from the quartz boulder discovery in XRF Zone 3 (XRF readings 88 and 89, Figure 10a) and submitted to ActLabs and their 1EX package involving four-acid digestion and mass spectrometry analysis giving 43 elements. Results were unimpressive with weakly-anomalous Cu at 24.8ppm and to 9ppm As. Their full chemical analysis can be found in Appendix III.

### 10.0 INTERPRETATION OF RESULTS

Relatively high Cu and Zn in outcrops within Gold Mine Brook and along the south end of Zone 3 indicate subdominant rocktypes that are preferentially enriched. A line drawn between these two metal-rich zones is most prospective on the property. This trend is likely parallel to the axial trace of the Ragged



Lake Anticline, if not the hinge itself. Outcrops with weakly-anomalous arsenic along the Moser Lake Road should also be prospected.

The till geochemistry reflects a generally uniform distribution of copper and zinc. Copper and zinc concentrations seem to be subdued in low-ground, boggy soils possibly due to localized redeposition sorting of the uppermost till strata. The string of anomalous As in the southwestern-most till samples should be investigated further. Gold was undetectable in the tills save for the highly anomalous gold concentration in sample GMBS-30 of Till Zone 1. This result may be characteristic of a 'nugget effect', but also requires further investigation. Rock outcroppings occur immediately west of the sample and the stream confluence area to the east should be prospected.

## **11.0 CONCLUSIONS AND RECOMMENDATIONS**

The results of the Gold Mine Brook Property 2014 Exploration Program require follow up prospecting on the Au-in-Till anomaly in the southeast of the Tills Zone 2 area. Immediately east of the claim block rests a reported As anomaly and further till sampling may link gold and arsenic anomalies in this area.

In addition, the southern portion of XRF Zone 3 requires further prospecting. The relatively Cu-enriched rocks that occur here may be analogous to those within Gold Mine Brook and thus may contain in situ veins of considerable thickness.

The portable XRF proved valuable in the identification of relatively metal-enriched outcrop within the Gold Mine Brook property. Without laboratory analysis, these outcrops would not have been previously thought to harbour anomalous mineralization, as the concentrations are sub-microscopic. A higher density of readings, especially along strike from anomalous metal concentrations, would prove to be a most important tool for vectoring exploration efforts.

A most sincere appreciation goes out to the Department of Natural Resources as well as the Nova Scotia Mineral Incentive Program and its administration, without which this program could not have been accomplished.

**12.0 STATEMENT OF EXPENDITURES****NSMIP EXPENDITURES**

The following is a summary of NSMIP approved expenses. The HST has been removed from claimable totals, as the grant was awarded to a corporation (Halle Geological Services Ltd.). Scans of actual receipts (not including incidentals) are displayed in Appendix IV.

| EXPENSE                     | ACTUAL COST        | LESS HST           | NSMIP GRANT       |
|-----------------------------|--------------------|--------------------|-------------------|
| XRF Rental                  | \$ 3,450.00        | \$ 3,000.00        | \$ 3,000.00       |
| Spot Device                 | \$ 194.35          | \$ 169.00          | \$ 150.00         |
| Spot Subscription           | \$ 149.99          | \$ 149.99          | \$ 100.00         |
| 1st Aid Certification       | \$ 140.00          | \$ 140.00          | \$ 70.00          |
| Report Writing              | \$ 2,500.00        | \$ 2,500.00        | \$ 500.00         |
| Soil Bags                   | \$ 48.30           | \$ 42.00           | \$ 42.00          |
| Analytical                  | \$ 1,487.87        | \$ 1,293.80        | \$ 1293.80        |
| Shipping                    | \$ 416.24          | \$ 398.98          | \$ 398.98         |
| Incidentals                 |                    |                    | \$ 445.42         |
| <b>TOTAL NSMIP EXPENSES</b> | <b>\$ 8,386.75</b> | <b>\$ 7,653.31</b> | <b>\$ 6000.00</b> |

**OTHER EXPENDITURES**

The following is a summary other expenses to be applied to the Gold Mine Brook Claim group as 'Assessment work acceptable for work credit' for 2014. Throughout the year, two geologists (Jesse Halle, P.Geo, and Emily Halle, PMP) of Halle Geological Services Ltd performed all of the research, compilation, prospecting, exploration, and report writing on the Gold Mine Brook Claims.

| EXPENSE                                | ACTUAL COST        | LESS HST           | NSMIP GRANT |
|----------------------------------------|--------------------|--------------------|-------------|
| Field Days (2 geologists x 5 days)     | \$ 5,000.00        | \$ 5,000.00        | \$ -        |
| Room and Board (2 geologists x 5 days) | \$ 1,500.00        | \$ 1,500.00        | \$ -        |
| Soil Auger                             | \$ 155.81          | \$ 135.49          | \$ -        |
| Fuel                                   | \$ 248.00          | \$ 215.66          | \$ -        |
| Geological Compilation (Technical)     | \$ 500.00          | \$ 500.00          | \$ -        |
| Incidentals                            | \$ 1,200.00        | \$ 1200.00         | \$ -        |
| <b>TOTAL OTHER EXPENSES</b>            | <b>\$ 8,603.81</b> | <b>\$ 8,551.15</b> | <b>\$ -</b> |

**TOTAL EXPENDITURES**

Total expenses to be applied to the Gold Mine Brook group of mineral exploration claims owned by Halle Geological Services Ltd for 2014 Assessment work credit (including NSMIP grant monies) are as follows:

|                                     |                            |                            |
|-------------------------------------|----------------------------|----------------------------|
| <b>TOTAL ASSESSMENT WORK CREDIT</b> | <b><u>\$ 16,990.56</u></b> | <b><u>\$ 16,204.46</u></b> |
|-------------------------------------|----------------------------|----------------------------|

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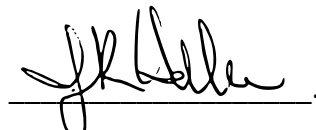
## 14.0 AUTHORS CERTIFICATE

I, *Jesse R. Halle*, hereby certify that:

1. I am the part owner and operator of Halle Geological Services Limited located at Unit 3 – 1345 Dresden Row, Halifax, NS, B3J 2J9
2. I am a graduate of the University of Toronto with an Honors B.Sc. (Env. Sci.) and of Lakehead University with an Honors B.Sc. (Geology).
3. I have been employed as a geological assistant intermittently between 1996 – 2000 with the Ontario Geological Survey, and as a geologist with numerous junior, intermediate, and major mining companies from 2001 to the present.
4. I have worked in my chosen field in 7 provinces or territories in Canada and in the United States of America. The majority of my mineral exploration career has been carried out in the province of British Columbia.
5. I am a member of the Association of Professional Engineers and Geoscientists of BC (“APEGBC”) and of the Association of Professional Geoscientists of Nova Scotia.
6. I am not aware of any material fact or material change, the omission of which would make the property report misleading.

Respectfully submitted:

*Dated at Halifax, Nova Scotia, this 15th Day of October 2014*



*Jesse R. Halle*



## **APPENDIX I – XRF RESULTS**

GOLD MINE BROOK PROPERTY REPORT 2014

HALLE GEOLOGICAL SERVICES LTD.

| Easting<br>NAD83 | Northing<br>NAD83 | Reading<br>Number | Waypoint | NOTES                                                         | Sb<br>% | Sb<br>Error | Sn<br>% | Sn<br>Error | Cd<br>% | Cd<br>Error | Pd<br>% | Pd<br>Error | Ag<br>% | Ag<br>Error | Mo<br>% | Mo<br>Error | Nb<br>% | Nb<br>Error | Zr<br>% | Zr<br>Error | Sr<br>% | Sr<br>Error |
|------------------|-------------------|-------------------|----------|---------------------------------------------------------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| 547061           | 4996994           | 1                 | 1        | Quartz vein in greywacke rocks                                | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.028   | 0.002       | 0.011   | 0.001       |
| 547061           | 4996994           | 2                 | 1        | Quartz vein in greywacke rocks                                | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | 0.003   | 0.001       | 0.016   | 0.001       | 0.009   | 0.001       |
| 547061           | 4996994           | 3                 | 1        | QV                                                            | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       |
| 547061           | 4996994           | 4                 | 1        | Quartz vein in greywacke rocks                                | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.016   | 0.001       | 0.01    | 0.001       |
| 547061           | 4996994           | 5                 | 1        | Quartz vein in greywacke rocks                                | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.013   | 0.001       | 0.011   | 0.001       |
| 547061           | 4996994           | 6                 | 1        | Quartz vein in greywacke rocks                                | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.014   | 0.001       | 0.011   | 0.001       |
| 546919           | 4997178           | 7                 | 2        | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | 0.002   | 0.001       | 0.017   | 0.001       | 0.011   | 0.001       |
| 546919           | 4997178           | 8                 | 2        | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.018   | 0.001       | 0.012   | 0.001       |
| 546919           | 4997178           | 9                 | 2        | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.02    | 0.001       | 0.012   | 0.001       |
| 546919           | 4997178           | 10                | 2        | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.012   | 0.001       | 0.012   | 0.001       |
| 546919           | 4997178           | 11                | 2        | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.02    | 0.001       | 0.014   | 0.001       |
| 546856           | 4997176           | 12                | 3        | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | < LOD   | 0.002       | 0.011   | 0.001       | 0.01    | 0.001       |
| 546623           | 4997185           | 14                | 4        | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.021   | 0.001       | 0.011   | 0.001       |
| 546583           | 4997233           | 15                | 5        | Greywacke rocks possible large boulder                        | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.023   | 0.001       | 0.016   | 0.001       |
| 546548           | 4997290           | 16                | 6        | Greywacke rocks possible large boulders                       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.03    | 0.002       | 0.018   | 0.001       |
| 546456           | 4997384           | 17                | 7        | Greywacke rocks and centimeter scale quartz vein              | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.035   | 0.002       | 0.015   | 0.001       |
| 546456           | 4997384           | 18                | 7        | Greywacke rocks and centimeter scale quartz vein              | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.019   | 0.001       | 0.016   | 0.001       |
| 546456           | 4997384           | 19                | 7        | Greywacke rocks and centimeter scale quartz vein              | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.018   | 0.001       | 0.015   | 0.001       |
| 546494           | 4997369           | 20                | 8        | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.016   | 0.001       | 0.014   | 0.001       |
| 546494           | 4997369           | 21                | 8        | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.02    | 0.001       | 0.018   | 0.001       |
| 546383           | 4997388           | 23                | 9        | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.021   | 0.001       | 0.015   | 0.001       |
| 546288           | 4997402           | 24                | 10       | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.017   | 0.001       | 0.014   | 0.001       |
| 546288           | 4997402           | 25                | 10       | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.045   | 0.002       | 0.014   | 0.001       |
| 546208           | 4997408           | 26                | 11       | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.018   | 0.001       | 0.012   | 0.001       |
| 546208           | 4997408           | 27                | 11       | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.016   | 0.001       | 0.014   | 0.001       |
| 546067           | 4997398           | 28                | 12       | Proximal greywacke boulders and quartz vein                   | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.006   | 0.001       | 0.005   | 0.001       |
| 545942           | 4997381           | 29                | 13       | Proximal quartz boulders with schisty wallrock                | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.04        | < LOD   | 0.02        | < LOD   | 0.06        | < LOD   | 0.002       | 0.002   | 0.001       | 0.014   | 0.001       | 0.006   | 0.001       |
| 545942           | 4997381           | 30                | 13       | Proximal quartz boulders with schisty wallrock                | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.03        | < LOD   | 0.02        | < LOD   | 0.04        | < LOD   | 0.002       | 0.004   | 0.001       | 0.041   | 0.003       | 0.004   | 0.001       |
| 545718           | 4997521           | 31                | 14       | Coarse grained metaseds, good cleavage                        | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.019   | 0.001       | 0.015   | 0.001       |
| 545718           | 4997521           | 32                | 14       | Coarse grained metaseds, good cleavage                        | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.017   | 0.001       | 0.015   | 0.001       |
| 545599           | 4997531           | 33                | 15       | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.021   | 0.001       | 0.008   | 0.001       |
| 545599           | 4997531           | 34                | 15       | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.028   | 0.002       | 0.011   | 0.001       |
| 545599           | 4997531           | 35                | 15       | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.017   | 0.001       | 0.017   | 0.001       |
| 550655           | 4997137           | 37                | 16       | Bleached greywacke rocks                                      | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.019   | 0.001       | 0.014   | 0.001       |
| 550655           | 4997137           | 38                | 16       | Bleached greywacke rocks                                      | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.02    | 0.001       | 0.016   | 0.001       |
| 550655           | 4997137           | 39                | 16       | Bleached greywacke rocks, locally schisty                     | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | 0.002   | 0.001       | 0.014   | 0.001       | 0.008   | 0.001       |
| 550655           | 4997137           | 40                | 16       | Bleached greywacke rocks, locally schisty, poss biotite       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | < LOD   | 0.002       | 0.015   | 0.001       | 0.012   | 0.001       |
| 550655           | 4997137           | 41                | 16       | Bleached greywacke rocks, locally schisty, poss biotite       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.012   | 0.001       | 0.009   | 0.001       |
| 550655           | 4997137           | 42                | 16       | Bleached greywacke rocks, locally schisty, poss biotite       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.017   | 0.001       | 0.016   | 0.001       |
| 550655           | 4997137           | 43                | 16       | Bleached greywacke rocks, locally schisty, poss biotite       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.014   | 0.001       | 0.012   | 0.001       |
| 550618           | 4997187           | 44                | 17       | Fine grained/slaty greywacke rocks                            | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.011   | 0.001       | 0.006   | 0.001       |
| 550618           | 4997187           | 45                | 17       | Fine grained/slaty greywacke rocks                            | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.012   | 0.001       | 0.007   | 0.001       |
| 550592           | 4997223           | 46                | 18       | Very fine grained greywacke rocks, diss biotite, rare epidote | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.014   | 0.001       | 0.009   | 0.001       |
| 550592           | 4997223           | 47                | 18       | Very fine grained greywacke rocks, diss biotite, rare epidote | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.016   | 0.001       | 0.011   | 0.001       |
| 550592           | 4997223           | 48                | 18       | Very fine grained greywacke rocks, diss biotite, rare epidote | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.02        | < LOD   | 0.03        | < LOD   | 0.002       | 0.002   | 0.001       | 0.02    | 0.001       | 0.015   | 0.001       |
| 550592           | 4997223           | 49                | 18       | Very fine grained greywacke rocks, diss biotite, rare epidote | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | < LOD   | 0.002       | 0.011   | 0.001       | 0.009   | 0.001       |
| 550592           | 4997223           | 50                | 18       | Very fine grained greywacke rocks, diss biotite, rare epidote | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.017   | 0.001       | 0.014   | 0.001       |
| 550522           | 4997315           | 51                | 19       | Very fine grained greywacke rocks                             | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       |
| 550522           | 4997315           | 52                | 19       | Very fine grained greywacke rocks                             | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.029   | 0.002       | 0.012   | 0.001       |
| 550454           | 4997416           | 53                | 20       | Medium grained, granular greywacke rocks, rusty spots         | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.026   | 0.002       | 0.014   | 0.001       |
| 550454           | 4997416           | 54                | 20       | Medium grained, granular greywacke rocks, rusty spots         | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.04    | 0.002       | 0.013   | 0.001       |
| 550454           | 4997416           | 55                | 20       | Medium grained, granular greywacke rocks, rusty spots         | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.027   | 0.002       | 0.013   | 0.001       |
| 550378           | 4997641           | 56                | 21       | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.015   | 0.001       | 0.009   | 0.001       |
| 550378           | 4997641           | 57                | 21       | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.02    | 0.001       | 0.01    | 0.001       |
| 550422           | 4997702           | 58                | 22       | Greywacke rocks                                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.023   | 0.002       | 0.011   | 0.001       |
| 550475           | 4997761           | 59                | 23       | Slaty greywacke rocks                                         | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   |             |         |             |         |             |

| Easting | Northing | Reading | Waypoint | NOTES                                                         | Rb %  | Rb Error | Bi %  | Bi Error | As %  | As Error | Se %  | Se Error | Au %  | Au Error | Pb %  | Pb Error | W %   | W Error | Zn %  | Zn Error | Cu %  |       |
|---------|----------|---------|----------|---------------------------------------------------------------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|---------|-------|----------|-------|-------|
| 547061  | 4996994  | 1       | 1        | Quartz vein in greywacke rocks                                | 0.008 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.012    | 0.004 | 0.002 |
| 547061  | 4996994  | 2       | 1        | Quartz vein in greywacke rocks                                | 0.013 | 0.001    | 0.002 | 0.001    | 0.002 | < LOD    | 0.002 | < LOD    | 0.002 | < LOD    | 0.002 | 0.003    | 0.001 | < LOD   | 0.013 | 0.01     | 0.003 |       |
| 547061  | 4996994  | 3       | 1        | Quartz vein in greywacke rocks                                | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.01     | < LOD | 0.002 |
| 547061  | 4996994  | 4       | 1        | Quartz vein in greywacke rocks                                | 0.015 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.003    | < LOD | 0.002   | < LOD | 0.014    | 0.01  | 0.003 |
| 547061  | 4996994  | 5       | 1        | Quartz vein in greywacke rocks                                | 0.012 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.003    | < LOD | 0.002   | < LOD | 0.013    | 0.007 | 0.002 |
| 547061  | 4996994  | 6       | 1        | Quartz vein in greywacke rocks                                | 0.014 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.003    | < LOD | 0.002   | < LOD | 0.013    | 0.006 | 0.002 |
| 546919  | 4997178  | 7       | 2        | Greywacke rocks                                               | 0.004 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.012    | 0.003 | 0.002 |
| 546919  | 4997178  | 8       | 2        | Greywacke rocks                                               | 0.005 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.003    | < LOD | 0.003   | < LOD | 0.015    | 0.004 | 0.002 |
| 546919  | 4997178  | 9       | 2        | Greywacke rocks                                               | 0.006 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.013    | 0.003 | 0.002 |
| 546919  | 4997178  | 10      | 2        | Greywacke rocks                                               | 0.009 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.011    | 0.011 | 0.002 |
| 546919  | 4997178  | 11      | 2        | Greywacke rocks                                               | 0.008 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.013    | 0.008 | 0.002 |
| 546856  | 4997176  | 12      | 3        | Greywacke rocks                                               | 0.007 | 0.001    | 0.002 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.013    | 0.006 | 0.002 |
| 546623  | 4997185  | 14      | 4        | Greywacke rocks                                               | 0.007 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.018    | 0.004 | 0.002 |
| 546583  | 4997233  | 15      | 5        | Greywacke rocks possible large boulder                        | 0.006 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | 0.002 | 0.001   | < LOD | 0.018    | 0.003 | 0.002 |
| 546548  | 4997290  | 16      | 6        | Greywacke rocks possible large boulders                       | 0.008 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.012    | 0.006 | 0.002 |
| 546456  | 4997384  | 17      | 7        | Greywacke rocks and centimeter scale quartz vein              | 0.006 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.012    | 0.004 | 0.002 |
| 546456  | 4997384  | 18      | 7        | Greywacke rocks and centimeter scale quartz vein              | 0.008 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.01     | 0.005 | 0.002 |
| 546456  | 4997384  | 19      | 7        | Greywacke rocks and centimeter scale quartz vein              | 0.009 | 0.001    | < LOD | 0.003    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.011    | 0.005 | 0.002 |
| 546494  | 4997369  | 20      | 8        | Greywacke rocks                                               | 0.01  | 0.001    | 0.002 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | 0.002 | 0.001   | < LOD | 0.012    | 0.005 | 0.002 |
| 546494  | 4997369  | 21      | 8        | Greywacke rocks                                               | 0.007 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.003    | < LOD | 0.002   | < LOD | 0.013    | 0.003 | 0.002 |
| 546383  | 4997388  | 23      | 9        | Greywacke rocks                                               | 0.007 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.011    | 0.006 | 0.002 |
| 546288  | 4997402  | 24      | 10       | Greywacke rocks                                               | 0.006 | 0.001    | 0.002 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.011    | 0.003 | 0.002 |
| 546288  | 4997402  | 25      | 10       | Greywacke rocks                                               | 0.008 | 0.001    | 0.002 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.012    | 0.005 | 0.002 |
| 546208  | 4997408  | 26      | 11       | Greywacke rocks                                               | 0.007 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.011    | 0.003 | 0.002 |
| 546208  | 4997408  | 27      | 11       | Greywacke rocks                                               | 0.008 | 0.001    | 0.002 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002   | < LOD | 0.011    | 0.004 | 0.002 |
| 546067  | 4997398  | 28      | 12       | Proximal greywacke boulders and quartz vein                   | 0.008 | 0.001    | < LOD | 0.002    | 0.003 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | 0.011 | 0.002    | < LOD | 0.013   | 0.018 | 0.003    |       |       |
| 545942  | 4997381  | 29      | 13       | Proximal quartz boulders with schistly wallrock               | 0.021 | 0.002    | < LOD | 0.003    | 0.006 | 0.002    | < LOD | 0.002    | < LOD | 0.002    | 0.003 | 0.002    | < LOD | 0.022   | 0.043 | 0.006    |       |       |
| 545942  | 4997381  | 30      | 13       | Proximal quartz boulders with schistly wallrock               | 0.018 | 0.002    | 0.004 | 0.002    | < LOD | 0.003    | < LOD | 0.002    | < LOD | 0.002    | 0.003 | 0.002    | < LOD | 0.028   | 0.023 | 0.004    |       |       |
| 545718  | 4997521  | 31      | 14       | Coarse grained metaseds, good cleavage                        | 0.005 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | 0.003 | 0.001    | < LOD | 0.011   | < LOD | 0.003    |       |       |
| 545718  | 4997521  | 32      | 14       | Coarse grained metaseds, good cleavage                        | 0.006 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | 0.002 | 0.001    | < LOD | 0.014   | < LOD | 0.003    |       |       |
| 545599  | 4997531  | 33      | 15       | Greywacke rocks                                               | 0.005 | 0.001    | < LOD | 0.002    | < LOD | 0.003    | < LOD | 0.002    | < LOD | 0.002    | 0.018 | 0.003    | < LOD | 0.015   | 0.019 | 0.003    |       |       |
| 545599  | 4997531  | 34      | 15       | Greywacke rocks                                               | 0.008 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | 0.002 | 0.002    | < LOD | 0.013   | 0.003 | 0.002    |       |       |
| 545599  | 4997531  | 35      | 15       | Greywacke rocks                                               | 0.006 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | 0.002 | 0.002    | < LOD | 0.012   | < LOD | 0.003    |       |       |
| 550655  | 4997137  | 37      | 16       | Bleached greywacke rocks                                      | 0.005 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.014   | 0.003 | 0.002    |       |       |
| 550655  | 4997137  | 38      | 16       | Bleached greywacke rocks                                      | 0.007 | 0.001    | < LOD | 0.003    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | 0.003 | 0.001    | < LOD | 0.012   | < LOD | 0.004    |       |       |
| 550655  | 4997137  | 39      | 16       | Bleached greywacke rocks, locally schistly                    | 0.021 | 0.002    | < LOD | 0.002    | < LOD | 0.003    | < LOD | 0.002    | < LOD | 0.003    | 0.012 | 0.002    | < LOD | 0.014   | 0.009 | 0.003    |       |       |
| 550655  | 4997137  | 40      | 16       | Bleached greywacke rocks, locally schistly, poss biotite      | 0.021 | 0.002    | < LOD | 0.003    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.013   | 0.009 | 0.003    |       |       |
| 550655  | 4997137  | 41      | 16       | Bleached greywacke rocks, locally schistly, poss biotite      | 0.02  | 0.001    | < LOD | 0.003    | 0.005 | 0.003    | < LOD | 0.002    | < LOD | 0.002    | 0.045 | 0.004    | < LOD | 0.013   | 0.008 | 0.002    |       |       |
| 550655  | 4997137  | 42      | 16       | Bleached greywacke rocks, locally schistly, poss biotite      | 0.005 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | 0.003 | 0.001    | < LOD | 0.011   | 0.003 | 0.002    |       |       |
| 550655  | 4997137  | 43      | 16       | Bleached greywacke rocks, locally schistly, poss biotite      | 0.005 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.013   | 0.003 | 0.002    |       |       |
| 550618  | 4997187  | 44      | 17       | Fine grained/slaty greywacke rocks                            | 0.015 | 0.001    | 0.003 | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.014   | 0.006 | 0.002    |       |       |
| 550618  | 4997187  | 45      | 17       | Fine grained/slaty greywacke rocks                            | 0.017 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.003    | < LOD | 0.002   | < LOD | 0.014    | 0.009 | 0.003 |
| 550592  | 4997223  | 46      | 18       | Very fine grained greywacke rocks, diss biotite, rare epidote | 0.015 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | 0.003 | 0.001    | < LOD | 0.012   | 0.01  | 0.003    |       |       |
| 550592  | 4997223  | 47      | 18       | Very fine grained greywacke rocks, diss biotite, rare epidote | 0.007 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.012   | 0.003 | 0.002    |       |       |
| 550592  | 4997223  | 48      | 18       | Very fine grained greywacke rocks, diss biotite, rare epidote | 0.012 | 0.001    | < LOD | 0.003    | < LOD | 0.003    | < LOD | 0.002    | < LOD | 0.002    | 0.007 | 0.002    | < LOD | 0.013   | 0.01  | 0.003    |       |       |
| 550592  | 4997223  | 49      | 18       | Very fine grained greywacke rocks, diss biotite, rare epidote | 0.013 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.014   | 0.013 | 0.003    |       |       |
| 550592  | 4997223  | 50      | 18       | Very fine grained greywacke rocks, diss biotite, rare epidote | 0.008 | 0.001    | < LOD | 0.003    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.012   | 0.005 | 0.002    |       |       |
| 550522  | 4997315  | 51      | 19       | Very fine grained greywacke rocks                             | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.01    | < LOD | 0.002    |       |       |
| 550522  | 4997315  | 52      | 19       | Very fine grained greywacke rocks                             | 0.006 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.015   | < LOD | 0.003    |       |       |
| 550454  | 4997416  | 53      | 20       | Medium grained, granular greywacke rocks, rusty spots         | 0.007 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.013   | 0.004 | 0.002    |       |       |
| 550454  | 4997416  | 54      | 20       | Medium grained, granular greywacke rocks, rusty spots         | 0.007 | 0.001    | 0.002 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.012   | 0.006 | 0.002    |       |       |
| 550454  | 4997416  | 55      | 20       | Medium grained, granular greywacke rocks, rusty spots         | 0.005 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | 0.002 | 0.002    | < LOD | 0.013   | 0.003 | 0.002    |       |       |
| 550378  | 4997641  | 56      | 21       | Greywacke rocks                                               | 0.007 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.012   | < LOD | 0.003    |       |       |
| 550378  | 4997641  | 57      | 21       | Greywacke rocks                                               | 0.008 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.012   | 0.006 | 0.002    |       |       |
| 550422  | 4997702  | 58      | 22       | Greywacke rocks                                               | 0.007 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.013   | 0.005 | 0.002    |       |       |
| 550475  | 4997761  | 59      | 23       | Slaty greywacke rocks                                         | 0.004 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.013   | 0.006 | 0.002    |       |       |
| 550475  | 4997761  | 60      | 23       | Slaty greywacke rocks                                         | 0.009 | 0.001    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.002    | < LOD | 0.013   | 0.006 | 0.002    |       |       |

| Easting<br>NAD83 | Northing<br>NAD83 | Reading<br>Number | Waypoint | NOTES                                                         | Cu<br>Error | Ni<br>% | Ni<br>Error | Co<br>% | Co<br>Error | Fe<br>% | Fe<br>Error | Mn<br>% | Mn<br>Error | Cr<br>% | Cr<br>Error | V<br>% | V<br>Error | Ti<br>% | Ti<br>Error | Bal<br>% | Bal<br>Error |
|------------------|-------------------|-------------------|----------|---------------------------------------------------------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|--------|------------|---------|-------------|----------|--------------|
| 547061           | 4996994           | 1                 | 1        | Quartz vein in greywacke rocks                                | 0.004       | < LOD   | 0.007       | < LOD   | 0.035       | 2.811   | 0.108       | 0.058   | 0.015       | < LOD   | 0.034       | < LOD  | 0.047      | 0.33    | 0.068       | 96.685   | 0.109        |
| 547061           | 4996994           | 2                 | 1        | Quartz vein in greywacke rocks                                | 0.004       | < LOD   | 0.012       | < LOD   | 0.056       | 5.08    | 0.184       | 0.218   | 0.027       | 0.183   | 0.032       | 0.318  | 0.054      | 0.735   | 0.09        | 93.4     | 0.216        |
| 547061           | 4996994           | 3                 | 1        | QV                                                            | 0.007       | < LOD   | 0.007       | < LOD   | 0.013       | 0.589   | 0.037       | 0.06    | 0.015       | < LOD   | 0.02        | < LOD  | 0.035      | < LOD   | 0.066       | 99.349   | 0.026        |
| 547061           | 4996994           | 4                 | 1        | Quartz vein in greywacke rocks                                | 0.004       | < LOD   | 0.009       | < LOD   | 0.053       | 5.395   | 0.193       | 0.106   | 0.02        | < LOD   | 0.034       | 0.051  | 0.034      | 0.393   | 0.071       | 93.989   | 0.199        |
| 547061           | 4996994           | 5                 | 1        | Quartz vein in greywacke rocks                                | 0.006       | < LOD   | 0.008       | < LOD   | 0.032       | 3.679   | 0.142       | 0.067   | 0.017       | < LOD   | 0.035       | < LOD  | 0.049      | 0.334   | 0.071       | 95.829   | 0.143        |
| 547061           | 4996994           | 6                 | 1        | Quartz vein in greywacke rocks                                | 0.007       | < LOD   | 0.008       | < LOD   | 0.031       | 3.698   | 0.139       | 0.061   | 0.016       | < LOD   | 0.026       | 0.063  | 0.035      | 0.356   | 0.07        | 95.75    | 0.142        |
| 546919           | 4997178           | 7                 | 2        | Greywacke rocks                                               | 0.005       | < LOD   | 0.013       | < LOD   | 0.024       | 2.251   | 0.092       | 0.126   | 0.02        | < LOD   | 0.023       | < LOD  | 0.055      | 0.198   | 0.06        | 97.359   | 0.09         |
| 546919           | 4997178           | 8                 | 2        | Greywacke rocks                                               | 0.005       | < LOD   | 0.008       | < LOD   | 0.032       | 2.155   | 0.103       | 0.056   | 0.017       | < LOD   | 0.039       | < LOD  | 0.071      | 0.293   | 0.078       | 97.454   | 0.1          |
| 546919           | 4997178           | 9                 | 2        | Greywacke rocks                                               | 0.004       | < LOD   | 0.007       | < LOD   | 0.027       | 2.278   | 0.091       | 0.031   | 0.012       | < LOD   | 0.03        | < LOD  | 0.042      | 0.394   | 0.073       | 97.255   | 0.091        |
| 546919           | 4997178           | 10                | 2        | Greywacke rocks                                               | 0.006       | < LOD   | 0.009       | < LOD   | 0.035       | 4.841   | 0.166       | 0.059   | 0.015       | < LOD   | 0.029       | < LOD  | 0.045      | 0.329   | 0.064       | 94.689   | 0.168        |
| 546919           | 4997178           | 11                | 2        | Greywacke rocks                                               | 0.008       | < LOD   | 0.007       | < LOD   | 0.039       | 3.625   | 0.136       | 0.059   | 0.016       | < LOD   | 0.023       | < LOD  | 0.06       | 0.331   | 0.068       | 95.935   | 0.135        |
| 546856           | 4997176           | 12                | 3        | Greywacke rocks                                               | 0.009       | < LOD   | 0.009       | < LOD   | 0.029       | 2.967   | 0.118       | 0.072   | 0.017       | < LOD   | 0.035       | < LOD  | 0.069      | 0.225   | 0.063       | 96.697   | 0.114        |
| 546623           | 4997185           | 14                | 4        | Greywacke rocks                                               | 0.005       | < LOD   | 0.01        | < LOD   | 0.026       | 2.546   | 0.102       | 0.019   | 0.012       | < LOD   | 0.027       | < LOD  | 0.058      | 0.337   | 0.071       | 97.051   | 0.1          |
| 546583           | 4997233           | 15                | 5        | Greywacke rocks possible large boulder                        | 0.005       | < LOD   | 0.007       | < LOD   | 0.023       | 1.923   | 0.081       | 0.039   | 0.013       | < LOD   | 0.02        | < LOD  | 0.078      | 0.344   | 0.071       | 97.643   | 0.08         |
| 546548           | 4997290           | 16                | 6        | Greywacke rocks possible large boulders                       | 0.007       | < LOD   | 0.009       | < LOD   | 0.031       | 3.366   | 0.123       | 0.281   | 0.028       | < LOD   | 0.034       | < LOD  | 0.069      | 0.422   | 0.072       | 95.86    | 0.133        |
| 546456           | 4997384           | 17                | 7        | Greywacke rocks and centimeter scale quartz vein              | 0.005       | < LOD   | 0.007       | < LOD   | 0.029       | 1.955   | 0.082       | 0.032   | 0.013       | < LOD   | 0.019       | < LOD  | 0.066      | 0.397   | 0.075       | 97.546   | 0.083        |
| 546456           | 4997384           | 18                | 7        | Greywacke rocks and centimeter scale quartz vein              | 0.004       | < LOD   | 0.007       | < LOD   | 0.031       | 2.262   | 0.088       | 0.018   | 0.011       | < LOD   | 0.021       | < LOD  | 0.058      | 0.38    | 0.07        | 97.28    | 0.088        |
| 546456           | 4997384           | 19                | 7        | Greywacke rocks and centimeter scale quartz vein              | 0.005       | < LOD   | 0.007       | < LOD   | 0.027       | 2.573   | 0.104       | 0.044   | 0.014       | < LOD   | 0.021       | < LOD  | 0.046      | 0.209   | 0.062       | 97.093   | 0.1          |
| 546494           | 4997369           | 20                | 8        | Greywacke rocks                                               | 0.005       | < LOD   | 0.008       | < LOD   | 0.034       | 2.912   | 0.122       | 0.033   | 0.014       | < LOD   | 0.033       | < LOD  | 0.062      | 0.396   | 0.079       | 96.608   | 0.122        |
| 546494           | 4997369           | 21                | 8        | Greywacke rocks                                               | 0.005       | < LOD   | 0.01        | < LOD   | 0.023       | 2.09    | 0.088       | 0.021   | 0.012       | < LOD   | 0.026       | < LOD  | 0.071      | 0.285   | 0.068       | 97.554   | 0.084        |
| 546383           | 4997388           | 23                | 9        | Greywacke rocks                                               | 0.004       | < LOD   | 0.007       | < LOD   | 0.024       | 2.175   | 0.09        | 0.042   | 0.014       | < LOD   | 0.025       | < LOD  | 0.049      | 0.328   | 0.07        | 97.38    | 0.089        |
| 546288           | 4997402           | 24                | 10       | Greywacke rocks                                               | 0.005       | < LOD   | 0.007       | < LOD   | 0.023       | 1.839   | 0.082       | 0.018   | 0.012       | < LOD   | 0.04        | < LOD  | 0.06       | 0.284   | 0.07        | 97.817   | 0.078        |
| 546288           | 4997402           | 25                | 10       | Greywacke rocks                                               | 0.005       | < LOD   | 0.007       | < LOD   | 0.032       | 2.417   | 0.097       | 0.027   | 0.012       | < LOD   | 0.021       | < LOD  | 0.068      | 0.422   | 0.076       | 97.057   | 0.099        |
| 546208           | 4997408           | 26                | 11       | Greywacke rocks                                               | 0.005       | < LOD   | 0.008       | < LOD   | 0.024       | 2.317   | 0.093       | 0.106   | 0.018       | < LOD   | 0.021       | < LOD  | 0.058      | 0.267   | 0.064       | 97.263   | 0.092        |
| 546208           | 4997408           | 27                | 11       | Greywacke rocks                                               | 0.004       | < LOD   | 0.007       | < LOD   | 0.026       | 2.785   | 0.107       | 0.046   | 0.014       | < LOD   | 0.024       | 0.049  | 0.032      | 0.275   | 0.064       | 96.798   | 0.105        |
| 546067           | 4997398           | 28                | 12       | Proximal greywacke boulders and quartz vein                   | 0.005       | < LOD   | 0.01        | < LOD   | 0.025       | 3.329   | 0.114       | 0.044   | 0.013       | < LOD   | 0.023       | < LOD  | 0.056      | 0.866   | 0.089       | 95.71    | 0.128        |
| 545942           | 4997381           | 29                | 13       | Proximal quartz boulders with schistose wallrock              | 0.008       | < LOD   | 0.011       | < LOD   | 0.104       | 13.47   | 0.485       | 0.166   | 0.026       | < LOD   | 0.03        | < LOD  | 0.051      | 0.514   | 0.076       | 85.609   | 0.505        |
| 545942           | 4997381           | 30                | 13       | Proximal quartz boulders with schistose wallrock              | 0.005       | < LOD   | 0.012       | < LOD   | 0.059       | 12.31   | 0.437       | 0.172   | 0.026       | 0.033   | 0.02        | < LOD  | 0.095      | 1.77    | 0.129       | 85.51    | 0.489        |
| 545718           | 4997521           | 31                | 14       | Coarse grained metaseds, good cleavage                        | 0.004       | < LOD   | 0.007       | < LOD   | 0.024       | 1.889   | 0.081       | 0.055   | 0.015       | < LOD   | 0.021       | 0.052  | 0.033      | 0.296   | 0.068       | 97.664   | 0.08         |
| 545718           | 4997521           | 32                | 14       | Coarse grained metaseds, good cleavage                        | 0.005       | < LOD   | 0.008       | < LOD   | 0.028       | 2.454   | 0.107       | 0.06    | 0.017       | < LOD   | 0.036       | < LOD  | 0.07       | 0.364   | 0.078       | 97.077   | 0.108        |
| 545599           | 4997531           | 33                | 15       | Greywacke rocks                                               | 0.006       | < LOD   | 0.007       | < LOD   | 0.024       | 2.07    | 0.09        | 0.021   | 0.012       | < LOD   | 0.039       | < LOD  | 0.051      | 0.301   | 0.071       | 97.483   | 0.089        |
| 545599           | 4997531           | 34                | 15       | Greywacke rocks                                               | 0.006       | < LOD   | 0.008       | < LOD   | 0.025       | 2.571   | 0.11        | 0.063   | 0.015       | < LOD   | 0.037       | < LOD  | 0.075      | 0.517   | 0.08        | 96.795   | 0.105        |
| 545599           | 4997531           | 35                | 15       | Greywacke rocks                                               | 0.005       | < LOD   | 0.008       | < LOD   | 0.027       | 1.506   | 0.075       | 0.021   | 0.012       | < LOD   | 0.025       | < LOD  | 0.05       | 0.186   | 0.065       | 98.205   | 0.07         |
| 550655           | 4997137           | 37                | 16       | Bleached greywacke rocks                                      | 0.004       | < LOD   | 0.007       | < LOD   | 0.029       | 2.154   | 0.09        | 0.041   | 0.014       | < LOD   | 0.028       | < LOD  | 0.06       | 0.243   | 0.064       | 97.52    | 0.085        |
| 550655           | 4997137           | 38                | 16       | Bleached greywacke rocks                                      | 0.005       | < LOD   | 0.007       | < LOD   | 0.025       | 2.215   | 0.11        | 0.079   | 0.017       | < LOD   | 0.027       | < LOD  | 0.075      | 0.334   | 0.073       | 97.325   | 0.106        |
| 550655           | 4997137           | 39                | 16       | Bleached greywacke rocks, locally schistose                   | 0.008       | < LOD   | 0.008       | < LOD   | 0.052       | 4.855   | 0.18        | 0.094   | 0.019       | < LOD   | 0.038       | 0.062  | 0.036      | 0.471   | 0.079       | 94.45    | 0.189        |
| 550655           | 4997137           | 40                | 16       | Bleached greywacke rocks, locally schistose, poss biotite     | 0.005       | < LOD   | 0.014       | < LOD   | 0.06        | 4.749   | 0.174       | 0.54    | 0.042       | 0.088   | 0.024       | 0.164  | 0.043      | 0.475   | 0.077       | 93.91    | 0.202        |
| 550655           | 4997137           | 41                | 16       | Bleached greywacke rocks, locally schistose, poss biotite     | 0.004       | < LOD   | 0.008       | < LOD   | 0.045       | 4.345   | 0.156       | 0.301   | 0.03        | 0.047   | 0.02        | 0.132  | 0.039      | 0.378   | 0.069       | 94.691   | 0.172        |
| 550655           | 4997137           | 42                | 16       | Bleached greywacke rocks, locally schistose, poss biotite     | 0.006       | < LOD   | 0.007       | < LOD   | 0.021       | 1.517   | 0.07        | 0.021   | 0.012       | < LOD   | 0.026       | < LOD  | 0.072      | 0.248   | 0.067       | 98.163   | 0.065        |
| 550655           | 4997137           | 43                | 16       | Bleached greywacke rocks, locally schistose, poss biotite     | 0.006       | < LOD   | 0.008       | < LOD   | 0.022       | 1.518   | 0.076       | 0.065   | 0.017       | < LOD   | 0.037       | < LOD  | 0.073      | 0.211   | 0.069       | 98.17    | 0.07         |
| 550618           | 4997187           | 44                | 17       | Fine grained/slatey greywacke rocks                           | 0.006       | < LOD   | 0.012       | < LOD   | 0.033       | 3.293   | 0.139       | 0.075   | 0.019       | < LOD   | 0.023       | < LOD  | 0.084      | 0.298   | 0.074       | 96.291   | 0.138        |
| 550618           | 4997187           | 45                | 17       | Fine grained/slatey greywacke rocks                           | 0.005       | < LOD   | 0.009       | < LOD   | 0.039       | 4.9     | 0.174       | 0.085   | 0.018       | < LOD   | 0.04        | 0.074  | 0.035      | 0.363   | 0.068       | 94.524   | 0.179        |
| 550592           | 4997223           | 46                | 18       | Very fine grained greywacke rocks, diss biotite, rare epidote | 0.006       | < LOD   | 0.013       | < LOD   | 0.038       | 5.561   | 0.196       | 0.118   | 0.02        | < LOD   | 0.036       | 0.059  | 0.035      | 0.479   | 0.076       | 93.728   | 0.205        |
| 550592           | 4997223           | 47                | 18       | Very fine grained greywacke rocks, diss biotite, rare epidote | 0.004       | < LOD   | 0.007       | < LOD   | 0.024       | 2.213   | 0.092       | 0.119   | 0.02        | < LOD   | 0.034       | < LOD  | 0.047      | 0.239   | 0.064       | 97.346   | 0.091        |
| 550592           | 4997223           | 48                | 18       | Very fine grained greywacke rocks, diss biotite, rare epidote | 0.005       | < LOD   | 0.014       | < LOD   | 0.036       | 4.814   | 0.174       | 0.114   | 0.02        | < LOD   | 0.04        | < LOD  | 0.071      | 0.352   | 0.069       | 94.633   | 0.178        |
| 550592           | 4997223           | 49                | 18       | Very fine grained greywacke rocks, diss biotite, rare epidote | 0.009       | < LOD   | 0.009       | < LOD   | 0.044       | 7.451   | 0.257       | 0.214   | 0.026       | < LOD   | 0.039       | < LOD  | 0.049      | 0.403   | 0.069       | 91.831   | 0.268        |
| 550592           | 4997223           | 50                | 18       | Very fine grained greywacke rocks, diss biotite, rare epidote | 0.004       | < LOD   | 0.007       | < LOD   | 0.026       | 2.548   | 0.102       | 0.048   | 0.014       | < LOD   | 0.02        | < LOD  | 0.046      | 0.244   | 0.063       | 97.075   | 0.099        |
| 550522           | 4997315           | 51                | 19       | Very fine grained greywacke rocks                             | 0.004       | < LOD   | 0.006       | < LOD   | 0.004       | < LOD   | 0.012       | < LOD   | 0.011       | < LOD   | 0.021       | < LOD  | 0.035      | < LOD   | 0.065       | 99.969   | 0.001        |
| 550522           | 4997315           | 52                | 19       | Very fine grained greywacke rocks                             | 0.005       | < LOD   | 0.007       | < LOD   | 0.031       | 2.07    | 0.09        | 0.028   | 0.013       | < LOD   | 0.021       | < LOD  | 0.065      | 0.281   | 0.07        | 97.57    | 0.086        |
| 550454           | 4997416           | 53                | 20       | Medium grained, granular greywacke rocks, rusty spots         | 0.006       | < LOD   | 0.008       | < LOD   | 0.029       | 3.339   | 0.125       | 0.092   | 0.018       | < LOD   | 0.025       | < LOD  | 0.047      | 0.336   | 0.068       | 96.138   | 0.127        |
| 550454           | 4997416           | 54                | 20       | Medium grained, granular greywacke rocks, rusty spots         | 0.006       | < LOD   | 0.007       | < LOD   | 0.027       | 2.223   | 0.091       | 0.081   | 0.017       | < LOD   | 0.038       | 0.052  | 0.034      | 0.38    | 0.074       | 97.193   | 0.095        |
| 550454           | 4997416           | 55                | 20       | Medium grained, granular greywacke rocks, rusty spots         | 0.006       | < LOD   | 0.007       | < LOD   | 0.03        | 1.962   | 0.083       | 0.061   | 0.015       | < LOD   | 0.025       | < LOD  | 0.061      | 0.237   | 0.064       | 97.687   | 0.079        |
| 550378           | 4997641           | 56                | 21       | Greywacke rocks                                               | 0.005       | < LOD   | 0.007       | < LOD   | 0.028       | 2.357   | 0.101       | 0.048   | 0.015       | < LOD   | 0.022       | < LOD  | 0.05       | 0.25    | 0.068       | 97.239   | 0.097        |
| 550378           | 4997641           | 57                | 21       | Greywacke rocks                                               | 0.005       | < LOD   | 0.01        | < LOD   | 0.027       | 2.757   | 0.11        | 0.072   | 0.017       | < LOD   | 0.038       | < LOD  | 0.06       | 0.297   | 0.068       | 96.826   | 0.109        |
| 550422           | 4997702           | 58                | 22       | Greywacke rocks                                               | 0.005       | < LOD   | 0.009       | < LOD   | 0.028       | 2.693   | 0.114       | 0.032   | 0.014       | < LOD   | 0.022       | < LOD  | 0.074      | 0.37    | 0.077       | 96.843   | 0.114        |
| 550475           | 4997761           | 59                | 23       | Slatey greywacke rocks                                        | 0.005       | < LOD   | 0.008       | < LOD   | 0.037       | 2.475   | 0.109       | 0.109   | 0           |         |             |        |            |         |             |          |              |

| Easting<br>NAD83 | Northing<br>NAD83 | Reading<br>Number | Waypoint | NOTES                                         | Sb<br>% | Sb<br>Error | Sn<br>% | Sn<br>Error | Cd<br>% | Cd<br>Error | Pd<br>% | Pd<br>Error | Ag<br>% | Ag<br>Error | Mo<br>% | Mo<br>Error | Nb<br>% | Nb<br>Error | Zr<br>% | Zr<br>Error | Sr<br>% | Sr<br>Error |
|------------------|-------------------|-------------------|----------|-----------------------------------------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| 550475           | 4997761           | 61                | 23       | Slatey greywacke rocks                        | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.011   | 0.001       | 0.007   | 0.001       |
| 550475           | 4997761           | 62                | 23       | Slatey greywacke rocks                        | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.009   | 0.001       | 0.011   | 0.001       |
| 550475           | 4997761           | 63                | 23       | Slatey greywacke rocks                        | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.010   | 0.002       | 0.015   | 0.001       |
| 547267           | 4997251           | 64                | 24       | Whaleback greywacke rocks                     | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.018   | 0.001       | 0.009   | 0.001       |
| 547330           | 4997244           | 65                | 25       | Whaleback greywacke rocks                     | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.017   | 0.001       | 0.009   | 0.001       |
| 547330           | 4997244           | 66                | 25       | Whaleback greywacke rocks                     | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.069   | 0.003       | 0.011   | 0.001       |
| 547383           | 4997312           | 67                | 26       | Whaleback greywacke rocks                     | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.019   | 0.001       | 0.011   | 0.001       |
| 547383           | 4997312           | 68                | 26       | Whaleback greywacke rocks                     | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.022   | 0.001       | 0.01    | 0.001       |
| 547434           | 4997299           | 69                | 27       | Whaleback greywacke rocks                     | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.021   | 0.001       | 0.015   | 0.001       |
| 547497           | 4997328           | 70                | 28       | Whaleback greywacke rocks,<br>locally schisty | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.017   | 0.001       | 0.01    | 0.001       |
| 547497           | 4997328           | 71                | 28       | Whaleback greywacke rocks,<br>locally schisty | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.013   | 0.001       | 0.01    | 0.001       |
| 547521           | 4997326           | 72                | 29       | Schisty greywacke rocks                       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.02        | < LOD   | 0.04        | 0.002   | 0.001       | 0.002   | 0.001       | 0.021   | 0.002       | 0.013   | 0.001       |
| 547521           | 4997326           | 73                | 29       | Schisty greywacke rocks                       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.019   | 0.001       | 0.01    | 0.001       |
| 547524           | 4997390           | 74                | 30       | Schisty greywacke rocks                       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.025   | 0.001       | 0.012   | 0.001       |
| 547524           | 4997390           | 75                | 30       | Schisty greywacke rocks                       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.026   | 0.002       | 0.011   | 0.001       |
| 547551           | 4997408           | 76                | 31       | Schisty greywacke rocks                       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.014   | 0.001       | 0.012   | 0.001       |
| 547551           | 4997408           | 77                | 31       | Schisty greywacke rocks                       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.012   | 0.001       | 0.011   | 0.001       |
| 547551           | 4997408           | 78                | 31       | Schisty greywacke rocks                       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.002   | 0.001       | < LOD   | 0.002       |
| 547571           | 4997415           | 79                | 32       | Greywacke rocks                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.011   | 0.001       | 0.011   | 0.001       |
| 547596           | 4997434           | 80                | 33       | Greywacke rocks                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.013   | 0.001       | 0.013   | 0.001       |
| 547623           | 4997446           | 81                | 34       | Greywacke rocks, 5cm QV                       | 0.008   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.03    | 0.002       | 0.008   | 0.001       |
| 547623           | 4997446           | 82                | 34       | Greywacke rocks, 5cm QV                       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       |
| 547623           | 4997446           | 83                | 34       | Greywacke rocks, 5cm QV                       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.024   | 0.002       | 0.01    | 0.001       |
| 547623           | 4997446           | 84                | 34       | Greywacke rocks, 5cm QV                       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.031   | 0.002       | 0.011   | 0.001       |
| 547541           | 4997300           | 85                | 35       | Greywacke rocks                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | 0.002   | 0.001       | 0.019   | 0.001       | 0.01    | 0.001       |
| 547541           | 4997300           | 86                | 35       | Greywacke rocks                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | < LOD   | 0.002       | 0.018   | 0.001       | 0.011   | 0.001       |
| 547465           | 4997269           | 87                | 36       | Greywacke rocks                               | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.053   | 0.003       | 0.009   | 0.001       |
| 547391           | 4997240           | 88                | 37       | Large QV boulder discovery<br>wallrock        | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | 0.003   | 0.001       | 0.02    | 0.001       | 0.008   | 0.001       |
| 547391           | 4997240           | 89                | 37       | Large QV boulder discovery vein<br>material   | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       |
| 545293           | 4997013           | 90                | 39       | Slatey greywacke rocks                        | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.018   | 0.001       | 0.017   | 0.001       |
| 545566           | 4996532           | 91                | 40       | Schisty greywacke rocks                       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.019   | 0.001       | 0.012   | 0.001       |
| 545566           | 4996532           | 92                | 40       | Slatey greywacke rocks                        | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.003   | 0.001       | 0.02    | 0.001       | 0.008   | 0.001       |
| 545566           | 4996532           | 93                | 40       | Slatey greywacke rocks                        | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | 0.002   | 0.001       | 0.014   | 0.001       | 0.007   | 0.001       |
| 545566           | 4996532           | 94                | 40       | Slatey greywacke rocks                        | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.015   | 0.001       | 0.009   | 0.001       |
| 545561           | 4996514           | 95                | 41       | Schist                                        | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | 0.002   | 0.001       | 0.028   | 0.002       | 0.012   | 0.001       |
| 545561           | 4996514           | 96                | 41       | Unusually schisty rock boulder                | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.005   | 0.001       | 0.004   | 0.001       |
| 545561           | 4996514           | 97                | 41       | Unusually schisty rock boulder                | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.003   | 0.001       | 0.004   | 0.001       |
| 545561           | 4996514           | 98                | 41       | Unusually schisty rock boulder                | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.005   | 0.001       | 0.005   | 0.001       |
| 545559           | 4996494           | 99                | 42       | Slatey, flakey cleavage                       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | < LOD   | 0.002       | 0.023   | 0.002       | 0.008   | 0.001       |
| 545559           | 4996494           | 100               | 42       | Slatey, flakey cleavage                       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.018   | 0.001       | 0.009   | 0.001       |
| 545559           | 4996494           | 101               | 42       | Slatey, flakey cleavage                       | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | 0.002   | 0.001       | 0.017   | 0.001       | 0.007   | 0.001       |
| 545551           | 4996489           | 102               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.015   | 0.001       | 0.008   | 0.001       |
| 545551           | 4996489           | 103               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | < LOD   | 0.002       | 0.014   | 0.001       | 0.007   | 0.001       |
| 545551           | 4996489           | 104               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | 0.002   | 0.001       | 0.012   | 0.001       | 0.008   | 0.001       |
| 545551           | 4996489           | 105               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.021   | 0.001       | 0.012   | 0.001       |
| 545551           | 4996489           | 106               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | < LOD   | 0.002       | 0.003   | 0.001       | 0.002   | 0.001       |
| 545551           | 4996489           | 107               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.007   | 0.001       | 0.004   | 0.001       |
| 545547           | 4996471           | 108               | 44       | Large QV boulders in river                    | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.019   | 0.001       | 0.012   | 0.001       |
| 545547           | 4996471           | 109               | 44       | Large QV boulders in river                    | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | 0.002   | 0.001       | 0.011   | 0.001       | 0.005   | 0.001       |
| 545547           | 4996471           | 110               | 44       | Large QV boulders in river                    | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | 0.013   | 0.001       |
| 545547           | 4996471           | 111               | 44       | Large QV boulders in river                    | 0.012   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | 0.002   | 0.001       | < LOD   | 0.002       | 0.008   | 0.001       |
| 545547           | 4996471           | 112               | 44       | 10cm QV in place                              | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       |
| 545547           | 4996471           | 113               | 44       | 10cm QV in place                              | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | 0.002   | 0.001       | 0.016   | 0.001       | 0.008   | 0.001       |
| 545545           | 4996451           | 114               | 45       | Schisty, fine-grained greywacke<br>rocks      | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.002       | 0.002   | 0.001       | 0.019   | 0.001       | 0.012   | 0.001       |
| 545545           | 4996451           | 115               | 45       | Schisty, fine-grained greywacke<br>rocks      | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.01        | < LOD   | 0.02        | < LOD   | 0.002       | < LOD   | 0.002       | 0.02    | 0.001       | 0.01    | 0.001       |
| 545545           | 4996451           | 116               | 45       | Schisty, fine-grained greywacke<br>rocks      | < LOD   | 0.01        | < LOD   | 0.01        | < LOD   | 0.03        | < LOD   | 0.01        | < LOD   |             |         |             |         |             |         |             |         |             |

| Easting<br>NAD83 | Northing<br>NAD83 | Reading<br>Number | Waypoint | NOTES                                         | Rb<br>% | Rb<br>Error | Bi<br>% | Bi<br>Error | As<br>% | As<br>Error | Se<br>% | Se<br>Error | Au<br>% | Au<br>Error | Pb<br>% | Pb<br>Error | W<br>% | W<br>Error | Zn<br>% | Zn<br>Error | Cu<br>% |
|------------------|-------------------|-------------------|----------|-----------------------------------------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|--------|------------|---------|-------------|---------|
| 550475           | 4997761           | 61                | 23       | Slatey greywacke rocks                        | 0.014   | 0.001       | < LOD   | 0.002       | 0.002   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.014      | 0.011   | 0.003       | < LOD   |
| 550475           | 4997761           | 62                | 23       | Slatey greywacke rocks                        | 0.008   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.003       | < LOD   | 0.002       | < LOD  | 0.013      | 0.005   | 0.002       | < LOD   |
| 550475           | 4997761           | 63                | 23       | Slatey greywacke rocks                        | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.003       | < LOD   | 0.002       | < LOD  | 0.013      | 0.006   | 0.002       | 0.007   |
| 547267           | 4997251           | 64                | 24       | Whaleback greywacke rocks                     | 0.005   | 0.001       | 0.003   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.004       | < LOD   | 0.002       | < LOD  | 0.013      | 0.004   | 0.002       | < LOD   |
| 547330           | 4997244           | 65                | 25       | Whaleback greywacke rocks                     | 0.006   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.003       | < LOD   | 0.003       | < LOD  | 0.015      | 0.006   | 0.002       | < LOD   |
| 547330           | 4997244           | 66                | 25       | Whaleback greywacke rocks                     | 0.006   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.013      | 0.005   | 0.002       | < LOD   |
| 547383           | 4997312           | 67                | 26       | Whaleback greywacke rocks                     | 0.008   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.012      | 0.003   | 0.002       | < LOD   |
| 547383           | 4997312           | 68                | 26       | Whaleback greywacke rocks                     | 0.006   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | 0.005   | 0.001       | < LOD  | 0.013      | 0.005   | 0.002       | < LOD   |
| 547434           | 4997299           | 69                | 27       | Whaleback greywacke rocks                     | 0.009   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.012      | 0.006   | 0.002       | < LOD   |
| 547497           | 4997328           | 70                | 28       | Whaleback greywacke rocks,<br>locally schisty | 0.006   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.014      | 0.005   | 0.002       | < LOD   |
| 547497           | 4997328           | 71                | 28       | Whaleback greywacke rocks,<br>locally schisty | 0.005   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.012      | < LOD   | 0.003       | < LOD   |
| 547521           | 4997326           | 72                | 29       | Schisty greywacke rocks                       | 0.008   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.004       | < LOD   | 0.002       | < LOD  | 0.016      | < LOD   | 0.004       | < LOD   |
| 547521           | 4997326           | 73                | 29       | Schisty greywacke rocks                       | 0.006   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.011      | 0.004   | 0.002       | < LOD   |
| 547524           | 4997390           | 74                | 30       | Schisty greywacke rocks                       | 0.009   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.011      | 0.005   | 0.002       | < LOD   |
| 547524           | 4997390           | 75                | 30       | Schisty greywacke rocks                       | 0.007   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.012      | 0.004   | 0.002       | < LOD   |
| 547551           | 4997408           | 76                | 31       | Schisty greywacke rocks                       | 0.007   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | 0.003   | 0.001       | < LOD  | 0.011      | 0.006   | 0.002       | < LOD   |
| 547551           | 4997408           | 77                | 31       | Schisty greywacke rocks                       | 0.005   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | 0.002   | 0.001       | < LOD  | 0.012      | 0.003   | 0.002       | < LOD   |
| 547551           | 4997408           | 78                | 31       | Schisty greywacke rocks                       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.011      | < LOD   | 0.002       | < LOD   |
| 547571           | 4997415           | 79                | 32       | Greywacke rocks                               | 0.003   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.011      | 0.004   | 0.002       | < LOD   |
| 547596           | 4997434           | 80                | 33       | Greywacke rocks                               | 0.008   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.013      | 0.004   | 0.002       | < LOD   |
| 547623           | 4997446           | 81                | 34       | Greywacke rocks, 5cm QV                       | 0.008   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | 0.002   | 0.001       | < LOD  | 0.013      | 0.013   | 0.003       | < LOD   |
| 547623           | 4997446           | 82                | 34       | Greywacke rocks, 5cm QV                       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.011      | < LOD   | 0.002       | < LOD   |
| 547623           | 4997446           | 83                | 34       | Greywacke rocks, 5cm QV                       | 0.008   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.013      | < LOD   | 0.004       | < LOD   |
| 547623           | 4997446           | 84                | 34       | Greywacke rocks, 5cm QV                       | 0.007   | 0.001       | 0.002   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | 0.003   | 0.001       | < LOD  | 0.013      | 0.008   | 0.002       | < LOD   |
| 547541           | 4997300           | 85                | 35       | Greywacke rocks                               | 0.003   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.012      | < LOD   | 0.003       | < LOD   |
| 547541           | 4997300           | 86                | 35       | Greywacke rocks                               | 0.006   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.004       | < LOD   | 0.002       | < LOD  | 0.014      | 0.006   | 0.002       | < LOD   |
| 547465           | 4997269           | 87                | 36       | Greywacke rocks                               | 0.005   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.012      | < LOD   | 0.002       | < LOD   |
| 547391           | 4997240           | 88                | 37       | Large QV boulder discovery<br>wallrock        | 0.033   | 0.002       | < LOD   | 0.004       | 0.048   | 0.004       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.016      | < LOD   | 0.004       | < LOD   |
| 547391           | 4997240           | 89                | 37       | Large QV boulder discovery vein<br>material   | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.01       | < LOD   | 0.002       | < LOD   |
| 545293           | 4997013           | 90                | 39       | Slatey greywacke rocks                        | 0.008   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.012      | 0.005   | 0.002       | < LOD   |
| 545566           | 4996532           | 91                | 40       | Schisty greywacke rocks                       | 0.008   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.011      | 0.003   | 0.002       | < LOD   |
| 545566           | 4996532           | 92                | 40       | Slatey greywacke rocks                        | 0.023   | 0.002       | < LOD   | 0.002       | 0.002   | 0.001       | < LOD   | 0.002       | < LOD   | 0.003       | < LOD   | 0.002       | < LOD  | 0.015      | 0.011   | 0.003       | < LOD   |
| 545566           | 4996532           | 93                | 40       | Slatey greywacke rocks                        | 0.015   | 0.001       | < LOD   | 0.002       | 0.002   | 0.001       | < LOD   | 0.002       | < LOD   | 0.004       | 0.003   | 0.002       | < LOD  | 0.016      | 0.01    | 0.003       | < LOD   |
| 545566           | 4996532           | 94                | 40       | Slatey greywacke rocks                        | 0.006   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.012      | 0.005   | 0.002       | < LOD   |
| 545561           | 4996514           | 95                | 41       | Schist                                        | 0.007   | 0.001       | 0.003   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.012      | 0.008   | 0.002       | < LOD   |
| 545561           | 4996514           | 96                | 41       | Unusually schisty rock boulder                | 0.008   | 0.001       | < LOD   | 0.003       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.003       | 0.003   | 0.001       | < LOD  | 0.013      | < LOD   | 0.002       | < LOD   |
| 545561           | 4996514           | 97                | 41       | Unusually schisty rock boulder                | 0.01    | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.015      | < LOD   | 0.003       | < LOD   |
| 545561           | 4996514           | 98                | 41       | Unusually schisty rock boulder                | 0.014   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.011      | < LOD   | 0.003       | < LOD   |
| 545559           | 4996494           | 99                | 42       | Slatey, flakey cleavage                       | 0.017   | 0.001       | 0.003   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.003       | 0.002   | 0.001       | < LOD  | 0.014      | 0.012   | 0.003       | < LOD   |
| 545559           | 4996494           | 100               | 42       | Slatey, flakey cleavage                       | 0.013   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.003       | < LOD   | 0.002       | < LOD  | 0.014      | 0.01    | 0.003       | 0.009   |
| 545559           | 4996494           | 101               | 42       | Slatey, flakey cleavage                       | 0.017   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.018      | 0.009   | 0.003       | < LOD   |
| 545551           | 4996489           | 102               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | 0.014   | 0.001       | < LOD   | 0.003       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | 0.004   | 0.001       | < LOD  | 0.013      | 0.01    | 0.003       | 0.006   |
| 545551           | 4996489           | 103               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | 0.011   | 0.001       | 0.003   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.003       | < LOD  | 0.018      | 0.005   | 0.003       | < LOD   |
| 545551           | 4996489           | 104               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | 0.012   | 0.001       | < LOD   | 0.003       | 0.002   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.003       | < LOD  | 0.014      | 0.014   | 0.003       | 0.007   |
| 545551           | 4996489           | 105               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | 0.011   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.012      | 0.005   | 0.002       | < LOD   |
| 545551           | 4996489           | 106               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.011      | < LOD   | 0.002       | < LOD   |
| 545551           | 4996489           | 107               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | 0.003   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.011      | < LOD   | 0.002       | < LOD   |
| 545547           | 4996471           | 108               | 44       | Large QV boulders in river                    | 0.009   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.012      | 0.004   | 0.002       | < LOD   |
| 545547           | 4996471           | 109               | 44       | Large QV boulders in river                    | 0.014   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.013      | 0.007   | 0.002       | < LOD   |
| 545547           | 4996471           | 110               | 44       | Large QV boulders in river                    | 0.003   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.012      | < LOD   | 0.004       | < LOD   |
| 545547           | 4996471           | 111               | 44       | Large QV boulders in river                    | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.003       | < LOD  | 0.017      | < LOD   | 0.004       | < LOD   |
| 545547           | 4996471           | 112               | 44       | 10cm QV in place                              | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.015      | 0.01    | 0.003       | < LOD   |
| 545547           | 4996471           | 113               | 44       | 10cm QV in place                              | 0.014   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | 0.003   | 0.001       | < LOD  | 0.014      | 0.013   | 0.003       | < LOD   |
| 545545           | 4996451           | 114               | 45       | Schisty, fine-grained greywacke<br>rocks      | 0.013   | 0.001       | 0.002   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.003       | < LOD   | 0.002       | < LOD  | 0.015      | 0.01    | 0.003       | < LOD   |
| 545545           | 4996451           | 115               | 45       | Schisty, fine-grained greywacke<br>rocks      | 0.006   | 0.001       | 0.002   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.012      | 0.003   | 0.002       | < LOD   |
| 545545           | 4996451           | 116               | 45       | Schisty, fine-grained greywacke<br>rocks      | 0.01    | 0.001       | < LOD   | 0.003       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.012      | 0.007   | 0.002       | < LOD   |
| 545530           | 4996431           | 117               | 46       | Schisty, fine-grained greywacke<br>rocks      | 0.006   | 0.001       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD   | 0.002       | < LOD  | 0.012      | 0.003   | 0.002       | < LOD   |
| 5455             |                   |                   |          |                                               |         |             |         |             |         |             |         |             |         |             |         |             |        |            |         |             |         |

| Easting<br>NAD83 | Northing<br>NAD83 | Reading<br>Number | Waypoint | NOTES                                         | Cu<br>Error | Ni<br>% | Ni<br>Error | Co<br>% | Co<br>Error | Fe<br>% | Fe<br>Error | Mn<br>% | Mn<br>Error | Cr<br>% | Cr<br>Error | V<br>% | V<br>Error | Ti<br>% | Ti<br>Error | Bal<br>% | Bal<br>Error |
|------------------|-------------------|-------------------|----------|-----------------------------------------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|--------|------------|---------|-------------|----------|--------------|
| 550475           | 4997761           | 61                | 23       | Slatey greywacke rocks                        | 0.008       | < LOD   | 0.013       | < LOD   | 0.041       | 6.247   | 0.221       | 0.071   | 0.018       | < LOD   | 0.038       | < LOD  | 0.048      | 0.276   | 0.063       | 93.313   | 0.223        |
| 550475           | 4997761           | 62                | 23       | Slatey greywacke rocks                        | 0.005       | < LOD   | 0.008       | < LOD   | 0.03        | 3.214   | 0.128       | 0.035   | 0.014       | < LOD   | 0.034       | < LOD  | 0.059      | 0.368   | 0.075       | 96.345   | 0.128        |
| 550475           | 4997761           | 63                | 23       | Slatey greywacke rocks                        | 0.004       | < LOD   | 0.008       | < LOD   | 0.035       | 4.212   | 0.163       | 0.486   | 0.041       | < LOD   | 0.027       | < LOD  | 0.045      | 0.143   | 0.056       | 95.129   | 0.171        |
| 547267           | 4997251           | 64                | 24       | Whaleback greywacke rocks                     | 0.005       | < LOD   | 0.008       | < LOD   | 0.024       | 1.845   | 0.087       | 0.028   | 0.013       | < LOD   | 0.028       | < LOD  | 0.084      | 0.227   | 0.069       | 97.855   | 0.081        |
| 547330           | 4997244           | 65                | 25       | Whaleback greywacke rocks                     | 0.005       | < LOD   | 0.008       | < LOD   | 0.031       | 2.667   | 0.118       | 0.033   | 0.014       | < LOD   | 0.022       | < LOD  | 0.077      | 0.372   | 0.081       | 96.882   | 0.117        |
| 547330           | 4997244           | 66                | 25       | Whaleback greywacke rocks                     | 0.004       | < LOD   | 0.007       | < LOD   | 0.042       | 2.909   | 0.113       | 0.04    | 0.014       | < LOD   | 0.033       | < LOD  | 0.055      | 0.732   | 0.093       | 96.223   | 0.126        |
| 547383           | 4997312           | 67                | 26       | Whaleback greywacke rocks                     | 0.005       | < LOD   | 0.012       | < LOD   | 0.027       | 2.567   | 0.107       | 0.034   | 0.014       | < LOD   | 0.039       | < LOD  | 0.042      | 0.305   | 0.071       | 97.05    | 0.104        |
| 547383           | 4997312           | 68                | 26       | Whaleback greywacke rocks                     | 0.005       | < LOD   | 0.007       | < LOD   | 0.029       | 2.677   | 0.12        | 0.073   | 0.017       | < LOD   | 0.028       | < LOD  | 0.051      | 0.332   | 0.072       | 96.825   | 0.12         |
| 547434           | 4997299           | 69                | 27       | Whaleback greywacke rocks                     | 0.004       | < LOD   | 0.007       | < LOD   | 0.035       | 2.96    | 0.113       | 0.037   | 0.013       | < LOD   | 0.021       | < LOD  | 0.071      | 0.414   | 0.074       | 96.536   | 0.115        |
| 547497           | 4997328           | 70                | 28       | Whaleback greywacke rocks,<br>locally schisty | 0.009       | < LOD   | 0.008       | < LOD   | 0.026       | 2.217   | 0.1         | 0.026   | 0.013       | < LOD   | 0.038       | < LOD  | 0.085      | 0.298   | 0.074       | 97.411   | 0.097        |
| 547497           | 4997328           | 71                | 28       | Whaleback greywacke rocks,<br>locally schisty | 0.006       | < LOD   | 0.007       | < LOD   | 0.027       | 2.908   | 0.113       | 0.086   | 0.018       | < LOD   | 0.023       | < LOD  | 0.056      | 0.296   | 0.067       | 96.678   | 0.112        |
| 547521           | 4997326           | 72                | 29       | Schisty greywacke rocks                       | 0.006       | < LOD   | 0.008       | < LOD   | 0.022       | 0.987   | 0.061       | 0.024   | 0.014       | < LOD   | 0.025       | < LOD  | 0.089      | 0.288   | 0.084       | 98.635   | 0.058        |
| 547521           | 4997326           | 73                | 29       | Schisty greywacke rocks                       | 0.005       | < LOD   | 0.007       | < LOD   | 0.027       | 2.56    | 0.105       | 0.036   | 0.013       | < LOD   | 0.018       | < LOD  | 0.045      | 0.378   | 0.075       | 96.977   | 0.105        |
| 547524           | 4997390           | 74                | 30       | Schisty greywacke rocks                       | 0.006       | < LOD   | 0.006       | < LOD   | 0.027       | 3.058   | 0.114       | 0.056   | 0.015       | < LOD   | 0.033       | < LOD  | 0.049      | 0.548   | 0.08        | 96.286   | 0.12         |
| 547524           | 4997390           | 75                | 30       | Schisty greywacke rocks                       | 0.005       | < LOD   | 0.007       | < LOD   | 0.024       | 2.218   | 0.092       | 0.03    | 0.013       | < LOD   | 0.03        | < LOD  | 0.049      | 0.373   | 0.074       | 97.296   | 0.093        |
| 547551           | 4997408           | 76                | 31       | Schisty greywacke rocks                       | 0.005       | < LOD   | 0.007       | < LOD   | 0.024       | 2.078   | 0.088       | 0.056   | 0.015       | < LOD   | 0.028       | < LOD  | 0.064      | 0.365   | 0.074       | 97.458   | 0.088        |
| 547551           | 4997408           | 77                | 31       | Schisty greywacke rocks                       | 0.005       | < LOD   | 0.007       | < LOD   | 0.027       | 1.66    | 0.076       | < LOD   | 0.025       | < LOD   | 0.028       | < LOD  | 0.049      | 0.225   | 0.066       | 98.081   | 0.069        |
| 547551           | 4997408           | 78                | 31       | Schisty greywacke rocks                       | 0.004       | < LOD   | 0.007       | < LOD   | 0.009       | 0.245   | 0.023       | < LOD   | 0.015       | < LOD   | 0.019       | < LOD  | 0.034      | < LOD   | 0.072       | 99.744   | 0.01         |
| 547571           | 4997415           | 79                | 32       | Greywacke rocks                               | 0.004       | < LOD   | 0.007       | < LOD   | 0.025       | 2.45    | 0.096       | 0.032   | 0.013       | < LOD   | 0.032       | < LOD  | 0.07       | 0.206   | 0.059       | 97.283   | 0.09         |
| 547596           | 4997434           | 80                | 33       | Greywacke rocks                               | 0.004       | < LOD   | 0.007       | < LOD   | 0.024       | 2.31    | 0.094       | 0.027   | 0.012       | < LOD   | 0.031       | < LOD  | 0.071      | 0.294   | 0.067       | 97.329   | 0.091        |
| 547623           | 4997446           | 81                | 34       | Greywacke rocks, 5cm QV                       | 0.005       | < LOD   | 0.007       | < LOD   | 0.027       | 2.701   | 0.107       | 0.024   | 0.012       | < LOD   | 0.027       | < LOD  | 0.057      | 0.844   | 0.099       | 96.32    | 0.123        |
| 547623           | 4997446           | 82                | 34       | Greywacke rocks, 5cm QV                       | 0.004       | < LOD   | 0.006       | < LOD   | 0.011       | 0.222   | 0.02        | < LOD   | 0.014       | < LOD   | 0.017       | < LOD  | 0.036      | 0.086   | 0.054       | 99.679   | 0.012        |
| 547623           | 4997446           | 83                | 34       | Greywacke rocks, 5cm QV                       | 0.005       | < LOD   | 0.007       | < LOD   | 0.014       | 0.502   | 0.039       | < LOD   | 0.021       | < LOD   | 0.035       | < LOD  | 0.085      | 0.232   | 0.077       | 99.214   | 0.029        |
| 547623           | 4997446           | 84                | 34       | Greywacke rocks, 5cm QV                       | 0.005       | < LOD   | 0.007       | < LOD   | 0.027       | 2.169   | 0.095       | 0.079   | 0.018       | < LOD   | 0.027       | 0.058  | 0.036      | 0.33    | 0.074       | 97.261   | 0.099        |
| 547541           | 4997300           | 85                | 35       | Greywacke rocks                               | 0.004       | < LOD   | 0.007       | < LOD   | 0.01        | 0.328   | 0.026       | < LOD   | 0.014       | < LOD   | 0.02        | < LOD  | 0.064      | 0.222   | 0.066       | 99.377   | 0.025        |
| 547541           | 4997300           | 86                | 35       | Greywacke rocks                               | 0.005       | < LOD   | 0.011       | < LOD   | 0.029       | 2.758   | 0.118       | 0.056   | 0.017       | < LOD   | 0.028       | < LOD  | 0.045      | 0.279   | 0.072       | 96.858   | 0.116        |
| 547465           | 4997269           | 87                | 36       | Greywacke rocks                               | 0.005       | < LOD   | 0.007       | < LOD   | 0.018       | 1.207   | 0.058       | 0.038   | 0.013       | < LOD   | 0.031       | < LOD  | 0.113      | 0.608   | 0.135       | 97.077   | 0.099        |
| 547391           | 4997240           | 88                | 37       | Large QV boulder discovery<br>wallrock        | 0.008       | < LOD   | 0.008       | < LOD   | 0.039       | 3.505   | 0.143       | 0.036   | 0.015       | < LOD   | 0.035       | 0.135  | 0.049      | 0.871   | 0.108       | 95.338   | 0.167        |
| 547391           | 4997240           | 89                | 37       | Large QV boulder discovery vein<br>material   | 0.004       | < LOD   | 0.006       | < LOD   | 0.004       | 0.026   | 0.008       | < LOD   | 0.01        | < LOD   | 0.017       | < LOD  | 0.035      | < LOD   | 0.093       | 99.973   | 0.001        |
| 545293           | 4997013           | 90                | 39       | Slatey greywacke rocks                        | 0.004       | < LOD   | 0.009       | < LOD   | 0.026       | 2.649   | 0.103       | 0.067   | 0.016       | < LOD   | 0.019       | < LOD  | 0.047      | 0.284   | 0.065       | 96.904   | 0.102        |
| 545566           | 4996532           | 91                | 40       | Schisty greywacke rocks                       | 0.004       | < LOD   | 0.006       | < LOD   | 0.034       | 2.217   | 0.089       | 0.042   | 0.013       | < LOD   | 0.026       | < LOD  | 0.048      | 0.364   | 0.07        | 97.29    | 0.09         |
| 545566           | 4996532           | 92                | 40       | Slatey greywacke rocks                        | 0.007       | < LOD   | 0.013       | < LOD   | 0.058       | 5.475   | 0.195       | 0.097   | 0.019       | < LOD   | 0.036       | 0.086  | 0.038      | 0.505   | 0.078       | 93.724   | 0.208        |
| 545566           | 4996532           | 93                | 40       | Slatey greywacke rocks                        | 0.007       | < LOD   | 0.009       | < LOD   | 0.054       | 5.073   | 0.198       | 0.563   | 0.046       | < LOD   | 0.036       | 0.08   | 0.04       | 0.476   | 0.083       | 93.748   | 0.223        |
| 545566           | 4996532           | 94                | 40       | Slatey greywacke rocks                        | 0.005       | < LOD   | 0.009       | < LOD   | 0.022       | 1.802   | 0.096       | 0.034   | 0.013       | < LOD   | 0.019       | < LOD  | 0.052      | 0.215   | 0.063       | 97.913   | 0.084        |
| 545561           | 4996514           | 95                | 41       | Schist                                        | 0.008       | < LOD   | 0.007       | < LOD   | 0.036       | 5.392   | 0.186       | 0.096   | 0.018       | < LOD   | 0.033       | < LOD  | 0.047      | 0.391   | 0.069       | 94       | 0.192        |
| 545561           | 4996514           | 96                | 41       | Unusually schisty rock boulder                | 0.005       | < LOD   | 0.008       | < LOD   | 0.022       | 1.463   | 0.076       | < LOD   | 0.028       | < LOD   | 0.023       | < LOD  | 0.052      | 0.114   | 0.062       | 98.349   | 0.065        |
| 545561           | 4996514           | 97                | 41       | Unusually schisty rock boulder                | 0.007       | < LOD   | 0.008       | < LOD   | 0.015       | 0.705   | 0.047       | < LOD   | 0.021       | < LOD   | 0.033       | < LOD  | 0.042      | < LOD   | 0.09        | 99.197   | 0.033        |
| 545561           | 4996514           | 98                | 41       | Unusually schisty rock boulder                | 0.004       | < LOD   | 0.01        | < LOD   | 0.019       | 1.16    | 0.065       | < LOD   | 0.016       | < LOD   | 0.032       | < LOD  | 0.04       | 0.193   | 0.062       | 98.608   | 0.056        |
| 545559           | 4996494           | 99                | 42       | Slatey, flakey cleavage                       | 0.006       | < LOD   | 0.009       | < LOD   | 0.057       | 5.645   | 0.203       | 0.081   | 0.018       | < LOD   | 0.041       | < LOD  | 0.053      | 0.552   | 0.081       | 93.599   | 0.213        |
| 545559           | 4996494           | 100               | 42       | Slatey, flakey cleavage                       | 0.005       | < LOD   | 0.01        | < LOD   | 0.041       | 6.201   | 0.225       | 0.096   | 0.02        | < LOD   | 0.025       | 0.081  | 0.037      | 0.44    | 0.076       | 93.11    | 0.234        |
| 545559           | 4996494           | 101               | 42       | Slatey, flakey cleavage                       | 0.005       | < LOD   | 0.015       | < LOD   | 0.04        | 5.834   | 0.211       | 0.111   | 0.021       | < LOD   | 0.038       | < LOD  | 0.054      | 0.577   | 0.083       | 93.311   | 0.225        |
| 545551           | 4996489           | 102               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | 0.004       | < LOD   | 0.01        | < LOD   | 0.036       | 5.057   | 0.177       | 0.098   | 0.018       | < LOD   | 0.026       | < LOD  | 0.045      | 0.28    | 0.062       | 94.449   | 0.179        |
| 545551           | 4996489           | 103               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | 0.008       | < LOD   | 0.011       | < LOD   | 0.046       | 4.574   | 0.211       | 0.072   | 0.022       | < LOD   | 0.035       | < LOD  | 0.068      | 0.286   | 0.083       | 95.017   | 0.21         |
| 545551           | 4996489           | 104               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | 0.004       | < LOD   | 0.008       | < LOD   | 0.062       | 7.087   | 0.242       | 0.143   | 0.022       | < LOD   | 0.026       | 0.051  | 0.032      | 0.359   | 0.066       | 92.305   | 0.249        |
| 545551           | 4996489           | 105               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | 0.005       | < LOD   | 0.007       | < LOD   | 0.041       | 3.073   | 0.118       | 0.075   | 0.017       | < LOD   | 0.023       | 0.059  | 0.034      | 0.38    | 0.072       | 96.362   | 0.121        |
| 545551           | 4996489           | 106               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | 0.004       | < LOD   | 0.006       | < LOD   | 0.008       | 0.169   | 0.018       | 0.041   | 0.013       | < LOD   | 0.024       | < LOD  | 0.069      | < LOD   | 0.128       | 99.774   | 0.009        |
| 545551           | 4996489           | 107               | 43       | Slatey with 1 and 3cm QV in ss<br>layers      | 0.004       | < LOD   | 0.006       | < LOD   | 0.016       | 1.008   | 0.051       | 0.089   | 0.017       | < LOD   | 0.019       | < LOD  | 0.052      | < LOD   | 0.074       | 98.881   | 0.039        |
| 545547           | 4996471           | 108               | 44       | Large QV boulders in river                    | 0.005       | < LOD   | 0.009       | < LOD   | 0.043       | 3.67    | 0.134       | 0.075   | 0.017       | < LOD   | 0.029       | < LOD  | 0.072      | 0.372   | 0.07        | 95.827   | 0.136        |
| 545547           | 4996471           | 109               | 44       | Large QV boulders in river                    | 0.005       | < LOD   | 0.007       | < LOD   | 0.045       | 3.78    | 0.14        | 1.352   | 0.07        | < LOD   | 0.03        | 0.059  | 0.033      | 0.329   | 0.066       | 94.431   | 0.182        |
| 545547           | 4996471           | 110               | 44       | Large QV boulders in river                    | 0.007       | < LOD   | 0.009       | < LOD   | 0.019       | 0.734   | 0.054       | 1.007   | 0.075       | 0.041   | 0.025       | 0.086  | 0.044      | < LOD   | 0.098       | 98.028   | 0.085        |
| 545547           | 4996471           | 111               | 44       | Large QV boulders in river                    | 0.007       | < LOD   | 0.01        | < LOD   | 0.018       | 0.57    | 0.05        | 0.847   | 0.072       | < LOD   | 0.04        | 0.105  | 0.048      | < LOD   | 0.083       | 98.421   | 0.074        |
| 545547           | 4996471           | 112               | 44       | 10cm QV in place                              | 0.005       | < LOD   | 0.009       | < LOD   | 0.049       | 9.179   | 0.321       | 0.153   | 0.024       | < LOD   | 0.039       | < LOD  | 0.04       | 0.096   | 0.045       | 90.562   | 0.317        |
| 545547           | 4996471           | 113               | 44       | 10cm QV in place                              | 0.005       | < LOD   | 0.014       | < LOD   | 0.038       | 6.012   | 0.206       | 0.108   | 0.019       | < LOD   | 0.033       | < LOD  | 0.059      | 0.405   | 0.069       | 93.417   | 0.211        |
| 545545           | 4996451           | 114               | 45       | Schisty, fine-grained greywacke<br>rocks      | 0.005       | < LOD   | 0.013       | < LOD   | 0.048       | 4.882   | 0.181       | 0.064   | 0.017       | < LOD   | 0.027       | < LOD  | 0.068      | 0.425   | 0.076       | 94.57    | 0.184        |
| 545545           | 4996451           | 115               | 45       | Schisty, fine-grained greywacke<br>rocks      | 0.006       | < LOD   | 0.007       | < LOD   | 0.027       | 2.773   | 0.108       | 0.066   | 0.016       | < LOD   | 0.02        | < LOD  | 0.067      | 0.26    | 0.064       | 96.856   | 0.106        |
| 545545           | 4996451           | 116               | 45       | Schisty, fine-grained greywacke<br>rocks      | 0.005       | < LOD   | 0.012       | < LOD   | 0.033       | 4.214   | 0.155       | 0.      |             |         |             |        |            |         |             |          |              |



## **APPENDIX II – TILL SAMPLING RESULTS**

GOLD MINE BROOK PROPERTY REPORT 2014

HALLE GEOLOGICAL SERVICES LTD.

| Sample Number | Easting NAD83 | Northing NAD83 | Depth (cm) | Description                                                                           | Au ppm | Ag ppm | Cu ppm | Pb ppm | Ni ppm | Zn ppm | Al ppm | As ppm | Ba ppm | Ca ppm | Br ppm | Co ppm |
|---------------|---------------|----------------|------------|---------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| GMBS-01       | 549212.4      | 4997470.2      | 40         | medium brown and grey, pebbly sand and grit, A and B horizon                          | 2      | 0.3    | 5      | 14     | 18     | 42     | 6.68   | 4.9    | 450    | 0.58   | 6.2    | 7      |
| GMBS-02       | 549045.8      | 4997547.7      | 10         | well developed, leached grey-brown A horizon, pebbly                                  | 2      | 0.3    | 4      | 16     | 9      | 25     | 6.04   | 1.7    | 440    | 0.41   | 8.3    | 5      |
| GMBS-03       | 549022.2      | 4997548.4      |            | light brown, leached A horizon, lots of GW stones and rust                            | 2      | 0.3    | 4      | 10     | 5      | 17     | 6.13   | 2.4    | 480    | 0.38   | 3.5    | 1      |
| GMBS-04       | 549001.2      | 4997549.2      |            | light brown, leached A horizon, v. wet                                                | 2      | 0.3    | 5      | 34     | 13     | 45     | 6.77   | 7.2    | 320    | 0.43   | 15.8   | 22     |
| GMBS-05       | 548978.6      | 4997552        | 20         | along creek, poss. Redeposited, organics and light grey-brown A horizon               | 2      | 0.3    | 4      | 14     | 9      | 24     | 5.58   | 3.4    | 490    | 0.48   | 16.9   | 1      |
| GMBS-06       | 548950.8      | 4997554.8      | 10         | dry, grey A horizon and orange-brown B horizon, few pebbles                           | 2      | 0.3    | 2      | 4      | 10     | 26     | 7.26   | 6.7    | 360    | 0.1    | 3.8    | 1      |
| GMBS-07       | 548923.1      | 4997552.4      | 20         | light grey-brown A horizon                                                            | 2      | 0.3    | 1      | 4      | 4      | 12     | 6.18   | 0.5    | 500    | 0.15   | 5.3    | 1      |
| GMBS-08       | 548899.5      | 4997550.9      | 10         | light grey-brown A horizon, bouldery, dry, orange-brown B horizon                     | 2      | 0.3    | 2      | 5      | 5      | 14     | 6.25   | 0.5    | 430    | 0.26   | 4.7    | 1      |
| GMBS-09       | 548921.3      | 4997446.2      | 60         | very wet, light grey with black organics                                              | 2      | 0.3    | 3      | 3      | 2      | 7      | 4.53   | 9.4    | 50     | 0.11   | 0.5    | 1      |
| GMBS-10       | 548949        | 4997452.5      |            | wet, light grey (greywacke) and organics, and light grey and brown silty soil, sorted | 2      | 0.3    | 1      | 5      | 5      | 15     | 5.56   | 6.8    | 50     | 0.2    | 0.5    | 1      |
| GMBS-11       | 548973.1      | 4997453.3      | 15         | dry, orange to light brown B horizon                                                  | 2      | 0.3    | 2      | 5      | 7      | 20     | 6.36   | 10.4   | 270    | 0.11   | 17.3   | 1      |
| GMBS-12       | 548999.5      | 4997453.1      |            | dry, A and B horizons                                                                 | 2      | 0.3    | 6      | 3      | 4      | 13     | 5.47   | 8.8    | 350    | 0.14   | 4.1    | 1      |
| GMBS-13       | 549019.6      | 4997449.9      | 25         | minor light grey A with brown-orange B horizon                                        | 2      | 0.3    | 5      | 10     | 7      | 19     | 5.13   | 7      | 350    | 0.21   | 21.2   | 3      |
| GMBS-14       | 549051.4      | 4997450.7      | 10         | minor A into B horizon                                                                | 2      | 0.3    | 2      | 4      | 3      | 10     | 5.45   | 0.5    | 290    | 0.15   | 0.5    | 1      |
| GMBS-15       | 549076        | 4997452.2      |            | relatively dry gravel (rounded), weathered light grey A horizon                       | 2      | 0.3    | 10     | 13     | 9      | 22     | 5.62   | 1.6    | 260    | 0.53   | 33.6   | 4      |
| GMBS-16       | 549099.4      | 4997452.1      | 15         | wet organics and minor light grey A horizon and GW rocks, poor sample                 | 2      | 0.3    | 32     | 7      | 15     | 34     | 5.97   | 0.5    | 50     | 0.35   | 3.3    | 1      |
| GMBS-17       | 549070.5      | 4997549        |            | brown B with big stones                                                               | 2      | 0.3    | 7      | 13     | 7      | 24     | 5.51   | 4.1    | 170    | 0.39   | 55.2   | 15     |
| GMBS-18       | 549102.3      | 4997551.3      |            | soil from top, dry leached light grey A horizon then 5cm orange B horizon             | 2      | 0.3    | 7      | 9      | 5      | 17     | 5.69   | 3.7    | 420    | 0.28   | 3.9    | 1      |
| GMBS-19       | 549123.2      | 4997550.5      | 15         | minor organics into light grey A horizon                                              | 2      | 0.3    | 5      | 12     | 7      | 19     | 5.1    | 1.7    | 290    | 0.36   | 8.2    | 1      |
| GMBS-20       | 549150.4      | 4997552        |            | dry light grey A horizon                                                              | 2      | 0.3    | 2      | 10     | 3      | 11     | 4.6    | 2      | 320    | 0.23   | 0.5    | 1      |
| GMBS-21       | 549175        | 4997545.6      |            | wet light brown-grey to green-grey A horizon, and minor orange B                      | 2      | 0.3    | 5      | 18     | 27     | 65     | 6.3    | 39.2   | 510    | 0.13   | 5.8    | 40     |
| GMBS-22       | 549202.7      | 4997547        | 10         | abundant large boulders, light grey A horizon                                         | 2      | 0.3    | 5      | 9      | 7      | 18     | 4.9    | 3.6    | 50     | 0.35   | 6.2    | 1      |
| GMBS-23       | 550928.1      | 4997497.4      | 15         | light grey A horizon, relatively dry, minor gravel                                    | 2      | 0.3    | 1      | 4      | 7      | 19     | 6.75   | 3.7    | 520    | 0.22   | 6.6    | 1      |
| GMBS-24       | 550980.1      | 4997499.3      | 10         | minor light grey A into orange B                                                      | 2      | 0.3    | 4      | 9      | 6      | 21     | 5.14   | 4.1    | 220    | 0.25   | 9.6    | 1      |
| GMBS-25       | 550999.5      | 4997500.2      |            | very dry and very light grey A and orange B                                           | 2      | 0.3    | 5      | 10     | 4      | 14     | 4.21   | 2.7    | 210    | 0.18   | 13.3   | 1      |
| GMBS-26       | 551028.7      | 4997497.7      |            | dry light brown A, silty with sand                                                    | 2      | 0.3    | 2      | 7      | 5      | 13     | 5.55   | 0.5    | 390    | 0.19   | 8.7    | 1      |
| GMBS-27       | 551050.8      | 4997500.6      | 5          | dry light grey to white leached A in boulder field                                    | 2      | 0.3    | 3      | 4      | 3      | 8      | 4.93   | 0.5    | 190    | 0.2    | 0.5    | 1      |
| GMBS-28       | 551075.9      | 4997501.1      | 5          | dry minor light buff-coloured A, into orange B                                        | 2      | 0.3    | 9      | 10     | 4      | 14     | 4.67   | 5.9    | 50     | 0.23   | 7.8    | 1      |
| GMBS-29       | 551102.2      | 4997501.8      | 5          | very minor A, right into light to deep orange B                                       | 2      | 0.3    | 10     | 19     | 10     | 31     | 5.16   | 7.2    | 50     | 0.33   | 48.6   | 5      |
| GMBS-30       | 551125.1      | 4997497.3      | 10         | light grey-buff A horizon and minor B horizon                                         | 171    | 0.3    | 2      | 7      | 3      | 12     | 4.14   | 3.9    | 50     | 0.13   | 3.8    | 1      |
| GMBS-31       | 551124.3      | 4997574        |            | boulder field beside stream, sorted clayey                                            | 2      | 0.3    | 5      | 6      | 5      | 23     | 3.99   | 5.1    | 330    | 0.39   | 13.6   | 1      |
| GMBS-32       | 551100.8      | 4997571.2      | 10         | light grey A horizon and minor orange iron-rich                                       | 2      | 0.3    | 3      | 11     | 12     | 30     | 5.91   | 8.7    | 510    | 0.36   | 13.2   | 12     |
| GMBS-33       | 551075.8      | 4997575.7      | 10         | riverside, organics for 10cm into light grey/buff A horizon and trace orange B        | 2      | 0.3    | 5      | 7      | 5      | 17     | 4.81   | 3.8    | 50     | 0.31   | 10.2   | 1      |
| GMBS-34       | 551050        | 4997575        | 20         | riverside, moist light grey to brown A horizon, pebbly to coarse sand                 | 2      | 0.3    | 2      | 7      | 17     | 43     | 6.3    | 0.5    | 50     | 0.37   | 10.6   | 5      |
| GMBS-35       | 551023.9      | 4997585        | 60         | very wet, light grey A horizon with angular pebbles, anaerobic                        | 2      | 0.3    | 9      | 11     | 21     | 57     | 6.54   | 2.4    | 330    | 0.46   | 5.1    | 10     |
| GMBS-36       | 550998.6      | 4997583.6      | 90         | light grey-green sandy soil/clay and pebbles, anaerobic                               | 2      | 0.3    | 16     | 13     | 24     | 64     | 6.51   | 2.3    | 300    | 0.71   | 0.5    | 9      |
| GMBS-37       | 550911.2      | 4997535.3      |            | brown/grey sandy A horizon, wet                                                       | 2      | 0.3    | 2      | 10     | 16     | 36     | 5.92   | 0.5    | 190    | 0.65   | 0.5    | 6      |

| Sample Number | Easting NAD83 | Northing NAD83 | Depth (cm) | Description                                                                           | Cr ppm | Fe ppm | K ppm | Li ppm | Mg ppm | Mn ppm | Na ppm | P ppm | Rb ppm | Sr ppm | Ti ppm |
|---------------|---------------|----------------|------------|---------------------------------------------------------------------------------------|--------|--------|-------|--------|--------|--------|--------|-------|--------|--------|--------|
| GMBS-01       | 549212.4      | 4997470.2      | 40         | medium brown and grey, pebbly sand and grit, A and B horizon                          | 39     | 2.02   | 1.45  | 25     | 0.6    | 407    | 1.94   | 0.029 | 15     | 150    | 0.24   |
| GMBS-02       | 549045.8      | 4997547.7      | 10         | well developed, leached grey-brown A horizon, pebbly                                  | 54     | 1.39   | 1.49  | 18     | 0.34   | 471    | 1.51   | 0.018 | 108    | 119    | 0.22   |
| GMBS-03       | 549022.2      | 4997548.4      |            | light brown, leached A horizon, lots of GW stones and rust                            | 51     | 1.28   | 1.39  | 11     | 0.28   | 375    | 1.7    | 0.006 | 42     | 114    | 0.19   |
| GMBS-04       | 549001.2      | 4997549.2      |            | light brown, leached A horizon, v. wet                                                | 71     | 2.57   | 1.58  | 32     | 0.46   | 2590   | 1.3    | 0.039 | 92     | 124    | 0.2    |
| GMBS-05       | 548978.6      | 4997552        | 20         | along creek, poss. Redeposited, organics and light grey-brown A horizon               | 39     | 1.15   | 1.01  | 18     | 0.33   | 396    | 1.77   | 0.026 | 15     | 139    | 0.28   |
| GMBS-06       | 548950.8      | 4997554.8      | 10         | dry, grey A horizon and orange-brown B horizon, few pebbles                           | 49     | 1.87   | 1.57  | 19     | 0.44   | 282    | 2.34   | 0.004 | 28     | 156    | 0.25   |
| GMBS-07       | 548923.1      | 4997552.4      | 20         | light grey-brown A horizon                                                            | 33     | 0.74   | 1.13  | 10     | 0.23   | 109    | 2.36   | 0.004 | 15     | 134    | 0.17   |
| GMBS-08       | 548899.5      | 4997550.9      | 10         | light grey-brown A horizon, bouldery, dry, orange-brown B horizon                     | 47     | 1.08   | 1.2   | 11     | 0.25   | 241    | 2.35   | 0.005 | 74     | 162    | 0.2    |
| GMBS-09       | 548921.3      | 4997446.2      | 60         | very wet, light grey with black organics                                              | 37     | 0.65   | 0.72  | 7      | 0.12   | 257    | 1.95   | 0.003 | 25     | 109    | 0.26   |
| GMBS-10       | 548949        | 4997452.5      |            | wet, light grey (greywacke) and organics, and light grey and brown silty soil, sorted | 41     | 1.34   | 0.86  | 15     | 0.24   | 345    | 2.02   | 0.009 | 15     | 119    | 0.38   |
| GMBS-11       | 548973.1      | 4997453.3      | 15         | dry, orange to light brown B horizon                                                  | 55     | 2.57   | 1.24  | 18     | 0.33   | 338    | 1.6    | 0.013 | 28     | 105    | 0.28   |
| GMBS-12       | 548999.5      | 4997453.1      |            | dry, A and B horizons                                                                 | 40     | 1.55   | 1.13  | 10     | 0.22   | 289    | 1.59   | 0.006 | 50     | 98     | 0.24   |
| GMBS-13       | 549019.6      | 4997449.9      | 25         | minor light grey A with brown-orange B horizon                                        | 39     | 2.6    | 0.92  | 13     | 0.27   | 312    | 1.55   | 0.011 | 29     | 90     | 0.16   |
| GMBS-14       | 549051.4      | 4997450.7      | 10         | minor A into B horizon                                                                | 40     | 0.72   | 1.14  | 10     | 0.18   | 273    | 1.82   | 0.002 | 15     | 107    | 0.09   |
| GMBS-15       | 549076        | 4997452.2      |            | relatively dry gravel (rounded), weathered light grey A horizon                       | 38     | 1.14   | 0.9   | 20     | 0.3    | 373    | 1.74   | 0.019 | 15     | 136    | 0.11   |
| GMBS-16       | 549099.4      | 4997452.1      | 15         | wet organics and minor light grey A horizon and GW rocks, poor sample                 | 55     | 1.33   | 0.95  | 18     | 0.44   | 254    | 2.79   | 0.03  | 15     | 140    | 0.15   |
| GMBS-17       | 549070.5      | 4997549        |            | brown B with big stones                                                               | 46     | 2.1    | 0.84  | 20     | 0.25   | 2320   | 1.4    | 0.035 | 43     | 104    | 0.14   |
| GMBS-18       | 549102.3      | 4997551.3      |            | soil from top, dry leached light grey A horizon then 5cm orange B horizon             | 46     | 1.74   | 1.18  | 10     | 0.24   | 340    | 1.59   | 0.008 | 53     | 91     | 0.14   |
| GMBS-19       | 549123.2      | 4997550.5      | 15         | minor organics into light grey A horizon                                              | 37     | 0.91   | 1.03  | 18     | 0.27   | 340    | 1.33   | 0.011 | 15     | 103    | 0.14   |
| GMBS-20       | 549150.4      | 4997552        |            | dry light grey A horizon                                                              | 44     | 0.74   | 0.99  | 9      | 0.15   | 347    | 1.53   | 0.004 | 15     | 78     | 0.19   |
| GMBS-21       | 549175        | 4997545.6      |            | wet light brown-grey to green-grey A horizon, and minor orange B                      | 66     | 4.04   | 1.5   | 32     | 0.86   | 1370   | 2.39   | 0.024 | 103    | 158    | 0.38   |
| GMBS-22       | 549202.7      | 4997547        | 10         | abundant large boulders, light grey A horizon                                         | 37     | 1.27   | 0.89  | 12     | 0.26   | 359    | 1.96   | 0.005 | 15     | 127    | 0.24   |
| GMBS-23       | 550928.1      | 4997497.4      | 15         | light grey A horizon, relatively dry, minor gravel                                    | 42     | 1.02   | 1.26  | 14     | 0.31   | 135    | 3.02   | 0.005 | 15     | 177    | 0.22   |
| GMBS-24       | 550980.1      | 4997499.3      | 10         | minor light grey A into orange B                                                      | 49     | 2.2    | 0.94  | 12     | 0.22   | 376    | 1.22   | 0.011 | 65     | 85     | 0.14   |
| GMBS-25       | 550999.5      | 4997500.2      |            | very dry and very light grey A and orange B                                           | 28     | 1.59   | 0.64  | 8      | 0.12   | 326    | 1.29   | 0.007 | 15     | 72     | 0.11   |
| GMBS-26       | 551028.7      | 4997497.7      |            | dry light brown A, silty with sand                                                    | 35     | 0.85   | 0.91  | 9      | 0.2    | 212    | 2.29   | 0.013 | 28     | 140    | 0.12   |
| GMBS-27       | 551050.8      | 4997500.6      | 5          | dry light grey to white leached A in boulder field                                    | 22     | 0.43   | 0.83  | 6      | 0.13   | 138    | 2.24   | 0.004 | 15     | 130    | 0.08   |
| GMBS-28       | 551075.9      | 4997501.1      | 5          | dry minor light buff-coloured A, into orange B                                        | 41     | 2.25   | 0.69  | 12     | 0.16   | 328    | 1.27   | 0.012 | 15     | 88     | 0.17   |
| GMBS-29       | 551102.2      | 4997501.8      | 5          | very minor A, right into light to deep orange B                                       | 49     | 5.78   | 0.81  | 21     | 0.34   | 437    | 0.94   | 0.039 | 15     | 97     | 0.28   |
| GMBS-30       | 551125.1      | 4997497.3      | 10         | light grey-buff A horizon and minor B horizon                                         | 36     | 1.02   | 0.81  | 9      | 0.13   | 280    | 1.22   | 0.015 | 15     | 77     | 0.28   |
| GMBS-31       | 551124.3      | 4997574        |            | boulder field beside stream, sorted clayey                                            | 38     | 0.75   | 0.69  | 11     | 0.18   | 229    | 1.23   | 0.029 | 15     | 97     | 0.31   |
| GMBS-32       | 551100.8      | 4997571.2      | 10         | light grey A horizon and minor orange iron-rich                                       | 45     | 1.89   | 1.07  | 16     | 0.41   | 607    | 2.22   | 0.032 | 15     | 139    | 0.32   |
| GMBS-33       | 551075.8      | 4997575.7      | 10         | riverside, organics for 10cm into light grey/buff A horizon and trace orange B        | 22     | 0.72   | 0.71  | 10     | 0.2    | 198    | 1.74   | 0.021 | 15     | 121    | 0.31   |
| GMBS-34       | 551050        | 4997575        | 20         | riverside, moist light grey to brown A horizon, pebbly to coarse sand                 | 47     | 1.92   | 1.11  | 25     | 0.57   | 355    | 2.72   | 0.022 | 15     | 172    | 0.13   |
| GMBS-35       | 551023.9      | 4997585        | 60         | very wet, light grey A horizon with angular pebbles, anaerobic                        | 46     | 2.15   | 1.19  | 29     | 0.67   | 419    | 2.15   | 0.02  | 15     | 155    | 0.11   |
| GMBS-36       | 550998.6      | 4997583.6      | 90         | light grey-green sandy soil/clay and pebbles, anaerobic                               | 57     | 2.6    | 1.06  | 34     | 0.73   | 453    | 2.32   | 0.038 | 15     | 215    | 0.18   |
| GMBS-37       | 550911.2      | 4997535.3      |            | brown/grey sandy A horizon, wet                                                       | 46     | 1.59   | 1.06  | 20     | 0.55   | 395    | 1.96   | 0.02  | 40     | 130    | 0.13   |

| Sample Number | Easting NAD83 | Northing NAD83 | Depth (cm) | Description                                                                           | V ppm | Mass g |
|---------------|---------------|----------------|------------|---------------------------------------------------------------------------------------|-------|--------|
| GMBS-01       | 549212.4      | 4997470.2      | 40         | medium brown and grey, pebbly sand and grit, A and B horizon                          | 47    | 25.7   |
| GMBS-02       | 549045.8      | 4997547.7      | 10         | well developed, leached grey-brown A horizon, pebbly                                  | 36    | 23.5   |
| GMBS-03       | 549022.2      | 4997548.4      |            | light brown, leached A horizon, lots of GW stones and rust                            | 32    | 25.5   |
| GMBS-04       | 549001.2      | 4997549.2      |            | light brown, leached A horizon, v. wet                                                | 43    | 24.1   |
| GMBS-05       | 548978.6      | 4997552        | 20         | along creek, poss. Redeposited, organics and light grey-brown A horizon               | 38    | 23.5   |
| GMBS-06       | 548950.8      | 4997554.8      | 10         | dry, grey A horizon and orange-brown B horizon, few pebbles                           | 46    | 24.3   |
| GMBS-07       | 548923.1      | 4997552.4      | 20         | light grey-brown A horizon                                                            | 32    | 25.3   |
| GMBS-08       | 548899.5      | 4997550.9      | 10         | light grey-brown A horizon, bouldery, dry, orange-brown B horizon                     | 33    | 23.6   |
| GMBS-09       | 548921.3      | 4997446.2      | 60         | very wet, light grey with black organics                                              | 18    | 21.4   |
| GMBS-10       | 548949        | 4997452.5      |            | wet, light grey (greywacke) and organics, and light grey and brown silty soil, sorted | 57    | 24.1   |
| GMBS-11       | 548973.1      | 4997453.3      | 15         | dry, orange to light brown B horizon                                                  | 49    | 21.5   |
| GMBS-12       | 548999.5      | 4997453.1      |            | dry, A and B horizons                                                                 | 36    | 25.1   |
| GMBS-13       | 549019.6      | 4997449.9      | 25         | minor light grey A with brown-orange B horizon                                        | 26    | 24.5   |
| GMBS-14       | 549051.4      | 4997450.7      | 10         | minor A into B horizon                                                                | 11    | 23.3   |
| GMBS-15       | 549076        | 4997452.2      |            | relatively dry gravel (rounded), weathered light grey A horizon                       | 18    | 24.3   |
| GMBS-16       | 549099.4      | 4997452.1      | 15         | wet organics and minor light grey A horizon and GW rocks, poor sample                 | 22    | 1.49   |
| GMBS-17       | 549070.5      | 4997549        |            | brown B with big stones                                                               | 29    | 22.2   |
| GMBS-18       | 549102.3      | 4997551.3      |            | soil from top, dry leached light grey A horizon then 5cm orange B horizon             | 28    | 23.3   |
| GMBS-19       | 549123.2      | 4997550.5      | 15         | minor organics into light grey A horizon                                              | 18    | 25.5   |
| GMBS-20       | 549150.4      | 4997552        |            | dry light grey A horizon                                                              | 17    | 26.6   |
| GMBS-21       | 549175        | 4997545.6      |            | wet light brown-grey to green-grey A horizon, and minor orange B                      | 72    | 25.9   |
| GMBS-22       | 549202.7      | 4997547        | 10         | abundant large boulders, light grey A horizon                                         | 26    | 26.3   |
| GMBS-23       | 550928.1      | 4997497.4      | 15         | light grey A horizon, relatively dry, minor gravel                                    | 40    | 24     |
| GMBS-24       | 550980.1      | 4997499.3      | 10         | minor light grey A into orange B                                                      | 28    | 21.7   |
| GMBS-25       | 550999.5      | 4997500.2      |            | very dry and very light grey A and orange B                                           | 13    | 24.2   |
| GMBS-26       | 551028.7      | 4997497.7      |            | dry light brown A, silty with sand                                                    | 17    | 22.5   |
| GMBS-27       | 551050.8      | 4997500.6      | 5          | dry light grey to white leached A in boulder field                                    | 9     | 25.9   |
| GMBS-28       | 551075.9      | 4997501.1      | 5          | dry minor light buff-coloured A, into orange B                                        | 25    | 24.3   |
| GMBS-29       | 551102.2      | 4997501.8      | 5          | very minor A, right into light to deep orange B                                       | 67    | 22.2   |
| GMBS-30       | 551125.1      | 4997497.3      | 10         | light grey-buff A horizon and minor B horizon                                         | 33    | 22.3   |
| GMBS-31       | 551124.3      | 4997574        |            | boulder field beside stream, sorted clayey                                            | 34    | 13.8   |
| GMBS-32       | 551100.8      | 4997571.2      | 10         | light grey A horizon and minor orange iron-rich                                       | 50    | 1.1    |
| GMBS-33       | 551075.8      | 4997575.7      | 10         | riverside, organics for 10cm into light grey/buff A horizon and trace orange B        | 39    | 0.897  |
| GMBS-34       | 551050        | 4997575        | 20         | riverside, moist light grey to brown A horizon, pebbly to coarse sand                 | 23    | 22.9   |
| GMBS-35       | 551023.9      | 4997585        | 60         | very wet, light grey A horizon with angular pebbles, anaerobic                        | 19    | 28.9   |
| GMBS-36       | 550998.6      | 4997583.6      | 90         | light grey-green sandy soil/clay and pebbles, anaerobic                               | 35    | 28.2   |
| GMBS-37       | 550911.2      | 4997535.3      |            | brown/grey sandy A horizon, wet                                                       | 23    | 27.2   |

### **APPENDIX III – LABORATORY ANALYSIS**

GOLD MINE BROOK PROPERTY REPORT 2014

HALLE GEOLOGICAL SERVICES LTD.

Quality Analysis ...



Innovative Technologies

Date Submitted: 26-Aug-14  
Invoice No.: A14-05959  
Invoice Date: 18-Sep-14  
Your Reference:

Halle Geological Services Ltd.  
3-1345 Dresden Row  
Halifax NS B3J 2J9  
Canada

ATTN: Jesse R. Halle

## CERTIFICATE OF ANALYSIS

39 Soil samples were submitted for analysis.

The following analytical package was requested:

Code 1EX Total Digestion ICP/MS  
Code 1H INAA(INAAGEO)/Total Digestion ICP(TOTAL)

REPORT A14-05959

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  
Elements which exceed the upper limits should be analyzed by assay techniques. Some elements are reported by multiple techniques. These are indicated by MULT.

CERTIFIED BY:

A handwritten signature in black ink.

Emmanuel Esemé, Ph.D.  
Quality Control

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**Report: A14-05959**

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Activation Laboratories Ltd.

Report: A14-05959

Results

| Analyte Symbol  | Pb    | Pb    | S     | Mg    | Mn    | Mo    | Sb    | Se    | Sn    | Sr    | Ta    | Tb    | Ti    | Ti    | U     | V     | W     | Y     | Zn    | Zr    | Au   | Ag            | Cu     |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|---------------|--------|
| Unit Symbol     | ppm   | ppm   | %     | %     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm  | ppm           | ppm    |
| Detection Limit | 0.1   | 0.1   | 0.01  | 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   | 2    | 0.3           | 1      |
| Analysis Method | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | INAA | INAA / TD-ICP | TD-ICP |
| GMBS-1          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 5      |
| GMBS-2          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 4      |
| GMBS-3          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 4      |
| GMBS-4          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 5      |
| GMBS-5          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 4      |
| GMBS-6          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 2      |
| GMBS-7          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | <1     |
| GMBS-8          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 2      |
| GMBS-9          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 3      |
| GMBS-10         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | <1     |
| GMBS-11         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 2      |
| GMBS-12         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 6      |
| GMBS-13         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 5      |
| GMBS-14         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 2      |
| GMBS-15         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 10     |
| GMBS-16         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 32     |
| GMBS-17         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 7      |
| GMBS-18         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 7      |
| GMBS-19         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 5      |
| GMBS-20         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 2      |
| GMBS-21         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 5      |
| GMBS-22         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 5      |
| GMBS-23         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 1      |
| GMBS-24         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 4      |
| GMBS-25         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 5      |
| GMBS-26         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 2      |
| GMBS-27         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 3      |
| GMBS-28         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 9      |
| GMBS-29         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 10     |
| GMBS-30         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 171  | 0.3           | 2      |
| GMBS-31         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 5      |
| GMBS-32         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 3      |
| GMBS-33         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 9      |
| GMBS-34         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 2      |
| GMBS-35         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 9      |
| GMBS-36         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 16     |
| GMBS-37         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <2   | <0.3          | 2      |
| GMBS-38         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |               |        |
| GMBS-39         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |               |        |
| GMBS-40         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |               |        |
| GMBS-41         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |               |        |
| GMBS-42         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |               |        |
| GMBS-43         | 4.6   | 33.5  | 0.35  | 0.16  | 139   | 0.5   | 0.9   | <1    | <0.1  | 6     | <0.1  | 0.7   | 0.016 | <0.05 | 0.1   | 7     | <0.1  | 1.9   | 15    | 1.1   |      |               |        |
| GMBS-44         | 42.9  | 115   | 0.40  | 0.50  | 377   | 0.3   | 0.4   | 4     | 0.5   | 54    | <0.1  | 2.5   | 0.151 | 0.19  | 0.6   | 29    | 0.3   | 10.0  | 34    | 18.9  |      |               |        |



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Results

| Analyte Symbol  | Mg     | Mn     | Na   | P      | Rb   | Sb    | Sc   | Se   | Sr     | Ta    | Ti     | Tl   | U      | V      | W    | Y      | Zn   | Ce   | Ind  | Sm   | Sr     | Tb    | Yb   |
|-----------------|--------|--------|------|--------|------|-------|------|------|--------|-------|--------|------|--------|--------|------|--------|------|------|------|------|--------|-------|------|
| Unit Symbol     | kg     | ppm    | ppm  | ppm    | ppm  | ppm   | ppm  | ppm  | ppm    | ppm   | ppm    | ppm  | ppm    | ppm    | ppm  | ppm    | ppm  | ppm  | ppm  | ppm  | ppm    | ppm   | ppm  |
| Detection Limit | 0.01   | 1      | 0.01 | 0.001  | 15   | 0.1   | 0.1  | 3    | 1      | 0.5   | 0.01   | 0.2  | 0.5    | 2      | 1    | 1      | 0.5  | 3    | 5    | 0.1  | 0.01   | 0.5   | 0.2  |
| Analysis Method | TD-ICP | TD-ICP | INAA | TD-ICP | INAA | INAA  | INAA | INAA | TD-ICP | INAA  | TD-ICP | INAA | TD-ICP | TD-ICP | INAA | TD-ICP | INAA | INAA | INAA | INAA | INAA   | INAA  | INAA |
| GMB-1           | 0.60   | 407    | 1.94 | 0.029  | < 15 | 1.5   | 7.8  | < 3  | 150    | < 0.5 | 0.24   | 5.6  | 1.8    | 47     | < 1  | 15     | 16.1 | 26   | 15   | 2.5  | < 0.01 | < 0.5 | 1.7  |
| GMB-2           | 0.34   | 471    | 1.51 | 0.018  | 108  | 0.3   | 81   | < 3  | 114    | < 0.5 | 0.22   | 6.4  | 1.9    | 36     | < 1  | 13     | 17.2 | 34   | 7    | 2.5  | < 0.01 | < 0.5 | 2.0  |
| GMB-3           | 0.28   | 375    | 1.70 | 0.006  | 42   | 0.2   | 17.1 | < 3  | 119    | < 0.5 | 0.19   | 4.0  | 2.7    | 32     | < 1  | 11     | 12.1 | 19   | 8    | 1.7  | < 0.01 | < 0.5 | 1.6  |
| GMB-4           | 0.46   | 2590   | 1.30 | 0.039  | 92   | 0.4   | 8.4  | < 3  | 124    | < 0.5 | 0.30   | 8.1  | 4.5    | 43     | < 1  | 15     | 18.6 | 36   | 13   | 2.7  | < 0.01 | < 0.5 | 1.7  |
| GMB-5           | 0.33   | 396    | 1.77 | 0.026  | < 15 | < 0.1 | 6.3  | < 3  | 139    | < 0.5 | 0.28   | 4.8  | 2.4    | 45     | < 1  | 14     | 14.8 | 28   | 6    | 2.1  | < 0.01 | < 0.5 | 1.4  |
| GMB-6           | 0.44   | 282    | 2.34 | 0.004  | 28   | < 0.1 | 9.8  | < 3  | 156    | < 0.5 | 0.25   | 3.8  | 2.3    | 46     | < 1  | 9      | 6.0  | 11   | < 5  | 1.1  | < 0.01 | < 0.5 | 1.8  |
| GMB-7           | 0.23   | 109    | 2.36 | 0.004  | < 15 | 0.3   | 6.5  | < 3  | 134    | < 0.5 | 0.17   | 4.5  | 2.1    | 32     | < 1  | 8      | 3.9  | 10   | < 5  | 0.6  | < 0.01 | < 0.5 | 0.9  |
| GMB-8           | 0.25   | 241    | 2.35 | 0.005  | 74   | 0.4   | 7.5  | < 3  | 162    | < 0.5 | 0.20   | 4.5  | 2.9    | 33     | < 1  | 10     | 6.9  | 14   | 5    | 1.0  | < 0.01 | < 0.5 | 1.6  |
| GMB-9           | 0.12   | 257    | 1.95 | 0.003  | 25   | < 0.1 | 4.6  | < 3  | 109    | < 0.5 | 0.26   | 4.5  | < 0.5  | 18     | < 1  | 9      | 16.0 | 29   | 9    | 2.4  | < 0.01 | < 0.5 | 2.2  |
| GMB-10          | 0.24   | 345    | 1.20 | 0.009  | < 15 | 0.5   | 17.3 | < 3  | 119    | < 0.5 | 0.38   | 4.0  | < 0.5  | 57     | < 1  | 9      | 8.0  | 18   | < 5  | 1.4  | < 0.01 | < 0.5 | 1.7  |
| GMB-11          | 0.33   | 338    | 1.60 | 0.013  | 28   | < 0.1 | 9.0  | < 3  | 105    | < 0.5 | 0.28   | 5.6  | < 0.5  | 49     | < 1  | 10     | 9.8  | 28   | < 5  | 1.8  | < 0.01 | < 0.5 | 2.0  |
| GMB-12          | 0.22   | 286    | 1.99 | 0.006  | 50   | 0.1   | 7.0  | < 3  | 98     | < 0.5 | 0.24   | 3.7  | 1.5    | 36     | < 1  | 9      | 6.1  | 30   | < 5  | 1.0  | < 0.01 | < 0.5 | 1.7  |
| GMB-13          | 0.27   | 312    | 1.55 | 0.011  | 29   | 0.3   | 6.6  | < 3  | 90     | < 0.5 | 0.16   | 5.8  | 2.1    | 26     | < 1  | 10     | 10.4 | 21   | 5    | 1.7  | < 0.01 | < 0.5 | 1.7  |
| GMB-14          | 0.18   | 273    | 1.82 | 0.002  | < 15 | < 0.1 | 6.5  | < 3  | 107    | < 0.5 | 0.09   | 3.8  | 3.0    | 11     | < 1  | 9      | 7.6  | 15   | 7    | 1.0  | < 0.01 | < 0.5 | 1.8  |
| GMB-15          | 0.30   | 373    | 1.74 | 0.019  | < 15 | < 0.1 | 7.3  | < 3  | 136    | < 0.5 | 0.11   | 4.8  | 2.2    | 18     | < 1  | 17     | 22.3 | 53   | 21   | 3.9  | < 0.01 | < 0.5 | 1.8  |
| GMB-16          | 0.44   | 254    | 1.29 | 0.030  | < 15 | < 0.1 | 5.8  | < 3  | 140    | < 0.5 | 0.15   | 3.1  | < 0.5  | 22     | < 1  | 14     | 18.2 | 30   | < 5  | 2.8  | < 0.01 | < 0.5 | 1.6  |
| GMB-17          | 0.25   | 2220   | 1.40 | 0.035  | 43   | < 0.1 | 6.1  | < 3  | 104    | < 0.5 | 0.14   | 6.4  | 1.6    | 29     | < 1  | 14     | 17.2 | 34   | 19   | 3.1  | < 0.01 | < 0.5 | 1.7  |
| GMB-18          | 0.24   | 340    | 1.59 | 0.008  | 53   | 0.3   | 6.4  | < 3  | 91     | < 0.5 | 0.14   | 4.4  | 1.3    | 28     | < 1  | 10     | 13.0 | 30   | 13   | 2.0  | < 0.01 | < 0.5 | 1.6  |
| GMB-19          | 0.27   | 340    | 1.33 | 0.011  | < 15 | 0.4   | 6.2  | < 3  | 103    | < 0.5 | 0.14   | 5.8  | 1.5    | 18     | < 1  | 16     | 24.1 | 35   | 11   | 3.1  | < 0.01 | < 0.5 | 2.0  |
| GMB-20          | 0.15   | 347    | 1.53 | 0.004  | < 15 | 1.7   | 5.5  | < 3  | 78     | < 0.5 | 0.19   | 5.3  | 2.2    | 17     | < 1  | 10     | 14.6 | 31   | 12   | 2.2  | < 0.01 | < 0.5 | 1.8  |
| GMB-21          | 0.86   | 1370   | 2.39 | 0.024  | 103  | 0.1   | 9.2  | < 3  | 158    | < 0.5 | 0.38   | 4.0  | < 0.5  | 72     | < 1  | 6      | 7.2  | 16   | 7    | 1.3  | < 0.01 | < 0.5 | 1.5  |
| GMB-22          | 0.26   | 359    | 1.96 | 0.005  | < 15 | 0.4   | 5.6  | < 3  | 127    | < 0.5 | 0.24   | 4.5  | 1.2    | 26     | < 1  | 11     | 11.1 | 21   | 8    | 1.8  | < 0.01 | < 0.5 | 1.6  |
| GMB-23          | 0.31   | 135    | 1.02 | 0.005  | < 15 | < 0.1 | 6.9  | < 3  | 177    | < 0.5 | 0.22   | 5.1  | < 0.5  | 40     | < 1  | 10     | 6.2  | 11   | 11   | 1.4  | < 0.01 | < 0.5 | 1.5  |
| GMB-24          | 0.22   | 376    | 1.22 | 0.011  | 65   | 0.3   | 6.4  | < 3  | 85     | < 0.5 | 0.14   | 5.9  | 1.3    | 28     | < 1  | 13     | 16.8 | 33   | 15   | 2.5  | < 0.01 | < 0.5 | 1.9  |
| GMB-25          | 0.12   | 326    | 1.29 | 0.007  | < 15 | 0.8   | 4.4  | < 3  | 72     | < 0.5 | 0.11   | 4.2  | 2.4    | 13     | < 1  | 10     | 12.2 | 28   | 6    | 1.8  | < 0.01 | < 0.5 | 1.6  |
| GMB-26          | 0.20   | 212    | 1.29 | 0.013  | 28   | 0.1   | 5.7  | < 3  | 140    | < 0.5 | 0.12   | 3.9  | 2.4    | 17     | < 1  | 10     | 9.7  | 20   | < 5  | 1.5  | < 0.01 | < 0.5 | 1.4  |
| GMB-27          | 0.13   | 138    | 1.24 | 0.004  | < 15 | < 0.1 | 4.6  | < 3  | 130    | < 0.5 | 0.08   | 2.5  | 1.2    | 9      | < 1  | 8      | 6.3  | 11   | 5    | 1.1  | < 0.01 | < 0.5 | 1.5  |
| GMB-28          | 0.16   | 328    | 1.27 | 0.012  | < 15 | 0.6   | 5.6  | < 3  | 88     | < 0.5 | 0.17   | 5.3  | 1.5    | 25     | < 1  | 11     | 15.2 | 30   | 8    | 2.4  | < 0.01 | < 0.5 | 1.8  |
| GMB-29          | 0.24   | 437    | 0.84 | 0.039  | < 15 | 0.5   | 6.9  | < 3  | 97     | < 0.5 | 0.28   | 8.1  | 2.0    | 67     | < 1  | 12     | 18.8 | 39   | 13   | 2.9  | < 0.01 | < 0.5 | 1.8  |
| GMB-30          | 0.13   | 280    | 1.22 | 0.015  | < 15 | 0.3   | 6.4  | < 3  | 77     | < 0.5 | 0.28   | 5.7  | 2.0    | 33     | < 1  | 11     | 15.5 | 34   | 8    | 2.4  | < 0.01 | < 0.5 | 2.0  |
| GMB-31          | 0.18   | 229    | 1.23 | 0.029  | < 15 | < 0.1 | 5.4  | < 3  | 97     | < 0.5 | 0.31   | 4.4  | 3.6    | 34     | < 1  | 12     | 16.5 | 30   | 11   | 2.7  | < 0.01 | < 0.5 | 1.6  |
| GMB-32          | 0.41   | 607    | 1.22 | 0.032  | < 15 | < 0.1 | 6.7  | < 3  | 139    | < 0.5 | 0.32   | 5.8  | < 0.5  | 39     | < 1  | 13     | 10.5 | 25   | < 5  | 1.8  | < 0.01 | < 0.5 | 1.6  |
| GMB-33          | 0.20   | 198    | 1.74 | 0.021  | < 15 | < 0.1 | 5.4  | < 3  | 121    | < 0.5 | 0.31   | 3.2  | < 0.5  | 39     | < 1  | 10     | 11.7 | 23   | < 5  | 1.7  | < 0.01 | < 0.5 | 1.5  |
| GMB-34          | 0.57   | 355    | 2.72 | 0.022  | < 15 | < 0.1 | 7.5  | < 3  | 172    | < 0.5 | 0.13   | 5.2  | < 0.5  | 23     | < 1  | 13     | 10.9 | 45   | 10   | 2.1  | < 0.01 | < 0.5 | 1.9  |
| GMB-35          | 0.67   | 419    | 2.15 | 0.020  | < 15 | 0.2   | 7.7  | < 3  | 155    | < 0.5 | 0.11   | 6.8  | 2.3    | 19     | < 1  | 18     | 21.8 | 40   | 12   | 4.3  | < 0.01 | < 0.5 | 2.0  |
| GMB-36          | 0.73   | 453    | 2.32 | 0.039  | < 15 | < 0.1 | 7.9  | < 3  | 215    | < 0.5 | 0.18   | 9.1  | 2.1    | 35     | < 1  | 22     | 23.7 | 46   | 16   | 4.9  | < 0.01 | < 0.5 | 2.1  |
| GMB-37          | 0.55   | 395    | 1.96 | 0.020  | 40   | < 0.1 | 6.4  | < 3  | 130    | < 0.5 | 0.13   | 3.6  | < 0.5  | 23     | < 1  | 15     | 13.4 | 30   | 8    | 2.5  | < 0.01 | < 0.5 | 1.9  |
| GMB-03          |        |        |      |        |      |       |      |      |        |       |        |      |        |        |      |        |      |      |      |      |        |       |      |
| GMB-04          |        |        |      |        |      |       |      |      |        |       |        |      |        |        |      |        |      |      |      |      |        |       |      |

Results

| Analyte Symbol  | Lu   | Mass  |
|-----------------|------|-------|
| Unit Symbol     | µg/g | g     |
| Detection Limit | 0.05 |       |
| Analysis Method | INAA | INAA  |
| GMS-1           | 0.33 | 25.7  |
| GMS-2           | 0.46 | 23.5  |
| GMS-3           | 0.34 | 25.5  |
| GMS-4           | 0.45 | 24.1  |
| GMS-5           | 0.36 | 23.5  |
| GMS-6           | 0.55 | 24.3  |
| GMS-7           | 0.34 | 25.3  |
| GMS-8           | 0.28 | 23.6  |
| GMS-9           | 0.43 | 21.4  |
| GMS-10          | 0.30 | 24.1  |
| GMS-11          | 0.44 | 21.5  |
| GMS-12          | 0.36 | 25.1  |
| GMS-13          | 0.31 | 24.5  |
| GMS-14          | 0.41 | 23.3  |
| GMS-15          | 0.42 | 24.3  |
| GMS-16          | 0.22 | 14.9  |
| GMS-17          | 0.41 | 22.2  |
| GMS-18          | 0.39 | 23.3  |
| GMS-19          | 0.47 | 25.5  |
| GMS-20          | 0.39 | 26.6  |
| GMS-21          | 0.23 | 25.9  |
| GMS-22          | 0.31 | 26.3  |
| GMS-23          | 0.30 | 24.0  |
| GMS-24          | 0.42 | 21.7  |
| GMS-25          | 0.36 | 24.2  |
| GMS-26          | 0.33 | 22.5  |
| GMS-27          | 0.30 | 25.9  |
| GMS-28          | 0.35 | 24.3  |
| GMS-29          | 0.36 | 22.2  |
| GMS-30          | 0.52 | 22.3  |
| GMS-31          | 0.41 | 13.8  |
| GMS-32          | 0.32 | 11.0  |
| GMS-33          | 0.32 | 0.897 |
| GMS-34          | 0.37 | 22.9  |
| GMS-35          | 0.44 | 28.9  |
| GMS-36          | 0.37 | 28.2  |
| GMS-37          | 0.34 | 27.2  |
| GMS-03          |      |       |
| GMS-04          |      |       |

QC

| 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   | ppm   | ppm     |
| Detection 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   |
| Analysis Method      | TD-MS  | TD-MS | TD-MS | TD-MS  | TD-MS | TD-MS | TD-MS | TD-MS  | TD-MS | TD-MS | TD-MS | 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           | 1.48   | 34.6  | 425   | > 2000 | 648   | < 1   | 1430  | 0.86   | 2.1   | 13    | 8.3   | 16    | 1130     | 2.6   | 25.4   | < 0.1 | 0.04   | 6.9   | 7.9   | 0.048   | 0.7   | 43.8  | 0.067   |
| 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  |
| GXR-1 Meas           |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| GXR-1 Cert           |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| GXR-4 Meas           | 6.05   | 3.7   | 108   | 400    | 190   | 1     | 19.6  | 1.00   | 0.2   | 94    | 15.1  | 54    | 6470     | 2.5   | 314    | 0.7   | 2.82   | 51.0  | 10.8  | 0.551   | 9.0   | 44.0  | 0.143   |
| GXR-4 Cert           | 7.20   | 4.0   | 98.0  | 500    | 1640  | 1.80  | 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           |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| GXR-4 Cert           |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| SDC-1 Meas           | 7.16   |       | 2     |        | 596   | 2     |       | 1.04   |       | 72    | 18.5  | 52    | 31.4     | 3.5   | 4.85   | 0.5   | 1.85   | 33.7  | 36.7  | 1.74    | 0.5   | 36.1  | 0.063   |
| SDC-1 Cert           | 8.34   |       | 0.220 |        | 630   | 3.00  |       | 1.00   |       | 83.00 | 18.0  | 64.00 | 30.000   | 4.00  | 4.82   | 8.30  | 2.72   | 42.00 | 34.00 | 1.52    | 21.00 | 38.0  | 0.0680  |
| SDC-1 Meas           |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| SDC-1 Cert           |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| GXR-6 Meas           | 11.0   | 0.3   | 283   | < 100  | 1120  | < 1   | 0.2   | 0.16   | < 0.1 | 31    | 14.3  | 52    | 70.5     | 4.0   | 5.84   | 1.5   | 1.53   | 11.6  | 32.9  | 0.101   | 1.7   | 26.3  | 0.041   |
| 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  | 0.0380  |
| GXR-6 Meas           |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| GXR-6 Cert           |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| SARM (U.S.G.S.) Meas | 5.17   | 3.6   | 39    |        | 768   | 2     | 1.5   | 0.57   | 4.4   | 94    | 11.2  | 80    | 323      |       | 3.19   |       | 1.79   | 47.2  | 26.1  | 1.26    | 20.0  | 46.1  | 0.066   |
| SARM (U.S.G.S.) Cert | 6.30   | 3.64  | 38.8  |        | 801   | 2.20  | 1.94  | 0.61   | 5.27  | 122.0 | 10.70 | 79.7  | 331.0000 |       | 2.99   |       | 2.94   | 57.4  | 27.4  | 1.140   | 29.9  | 41.5  | 0.07    |
| SARM (U.S.G.S.) Meas |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| SARM (U.S.G.S.) Cert |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| DNC-14 Meas          |        |       |       |        | 107   |       |       |        |       |       | 60.0  | 172   | 101      |       |        |       |        | 3.4   | 4.6   |         |       | 284   |         |
| DNC-14 Cert          |        |       |       |        | 118   |       |       |        |       |       | 57.0  | 270   | 100.00   |       |        |       |        | 3.6   | 5.20  |         |       | 247   |         |
| DNC-14 Meas          |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| DNC-14 Cert          |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| SRC-1 Meas           |        |       | 26    |        | 764   | 2     | 0.7   |        | 0.4   | 93    | 23.2  | 68    | 31.5     | 7.6   |        | 2.2   |        | 45.8  | 175   |         | 11.9  | 91.2  |         |
| SRC-1 Cert           |        |       | 25.7  |        | 789.0 | 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  |         |
| SRC-1 Meas           |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| SRC-1 Cert           |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| DMAS 117 Meas        |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| DMAS 117 Cert        |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| DMAS 117 Meas        |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| DMAS 117 Cert        |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| DMAS 117 Meas        |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| DMAS 117 Cert        |        |       |       |        |       |       |       |        |       |       |       |       |          |       |        |       |        |       |       |         |       |       |         |
| GMB-26 Meas          | 5.01   | < 0.1 | < 1   | < 100  | 254   | < 1   | < 0.1 | 0.18   | < 0.1 | 15    | 1.5   | 28    | 2.3      | 3.4   | 0.78   | 1.9   | 0.95   | 8.1   | 11.5  | 2.79    | 0.6   | 4.2   | 0.017   |
| GMB-26 Cert          | 5.15   | < 0.1 | < 1   | < 100  | 254   | < 1   | < 0.1 | 0.18   | < 0.1 | 15    | 1.5   | 26    | 3.1      | 3.4   | 0.75   | 1.2   | 0.92   | 8.1   | 11.6  | 2.85    | 0.6   | 4.1   | 0.017   |
| GMB-27 Meas          | 4.55   | < 0.1 | < 1   | < 100  | 264   | < 1   | < 0.1 | 0.19   | < 0.1 | 11    | 0.9   | 18    | 3.0      | 1.5   | 0.44   | 1.7   | 0.85   | 5.3   | 7.9   | 2.62    | 0.2   | 2.1   | 0.006   |
| GMB-27 Cert          | 4.42   | < 0.1 | < 1   | < 100  | 269   | < 1   | < 0.1 | 0.19   | < 0.1 | 15    | 0.8   | 20    | 3.0      | 1.5   | 0.43   | 1.9   | 0.85   | 6.7   | 7.8   | 2.67    | 0.3   | 1.9   | 0.006   |
| Method Blank         | < 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 Blank         | < 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 Blank         | < 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 Blank         | < 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 |

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| Analysis Method       | Recovery | Pb    | Pu     | S     | Mg    | Mn    | Mo    | Sb    | Sc    | Sn    | Sr    | Ta    | Tb    | Ti     | Ti    | U      | V     | W     | Y     | Zn     | Zr    | As    | Ag    | Cu       |
|-----------------------|----------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|-------|-------|--------|-------|-------|-------|----------|
| Unit Symbol           | ppm      | ppm   | %      | %     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm    | ppm   | ppm    | ppm   | ppm   | ppm   | ppm    | ppm   | ppm   | ppm   | ppm      |
| Detection Limit       | 0.1      | 0.1   | 0.01   | 0.01  | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.001  | 0.05  | 0.1    | 4     | 0.1   | 0.1   | 1      | 0.1   | 2     | 0.3   | 1        |
| Analysis Method       | TD-MS    | TD-MS | TD-MS  | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | 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            | 2.7      | 743   | 0.95   | 0.18  | 878   | 17.4  | 20.1  | 1     | 24.1  | 276   | <0.1  | 4.2   | 0.025 | 0.40   | 32.1  | 84     | 130   | 29.8  | 790   | 20.0   |       |       |       | 110      |
| 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  | 750   | 38.0   |       |       |       | 110      |
| GXR-1 Meas            |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 110      |
| GXR-1 Cert            |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 110      |
| GXR-4 Meas            | 130      | 50.2  | 2.03   | 1.55  | 160   | 30.1  | 4.0   | 7     | 6.3   | 208   | 0.4   | 18.9  | 0.293 | 3.25   | 5.7   | 92     | 35.8  | 14.3  | 73    | 46.4   |       |       |       | 6520     |
| GXR-4 Cert            | 160      | 52.0  | 1.77   | 1.66  | 155   | 31.0  | 4.80  | 7.70  | 5.60  | 22.1  | 0.780 | 22.5  | 0.29  | 3.20   | 6.20  | 87.0   | 30.8  | 14.0  | 73.0  | 186    |       |       |       | 6520     |
| GXR-4 Meas            |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 6520     |
| GXR-4 Cert            |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 6520     |
| SDC-1 Meas            |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 30.000   |
| SDC-1 Cert            |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 30.000   |
| GXR-6 Meas            | 77.9     | 93.9  | 0.87   | 0.56  | 1070  | 0.5   | 0.8   | 27    | 0.4   | 36    | <0.1  | 5.9   |       | 2.04   | 1.3   | 148    | 0.2   | 13.3  | 129   | 90.0   |       |       |       | 67       |
| GXR-6 Cert            | 90.0     | 101   | 0.0160 | 0.609 | 1010  | 2.40  | 3.50  | 27.6  | 1.70  | 35.0  | 0.485 | 5.30  |       | 2.20   | 1.54  | 186    | 1.90  | 14.0  | 118   | 110    |       |       |       | 66.0     |
| GXR-6 Meas            |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 67       |
| GXR-6 Cert            |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 67       |
| SAR-M (U.S.G.S.) Meas | 98.2     | 954   |        | 0.41  | 5500  | 11.8  | 5.4   | 8     | 2.2   | 146   |       |       |       | 2.46   | 3.8   | 67     | 6.9   | 31.0  | 90.7  |        |       |       |       | 321      |
| SAR-M (U.S.G.S.) Cert | 146      | 982   |        | 0.90  | 5220  | 13.1  | 6.0   | 7.83  | 2.76  | 151   |       |       |       | 2.7    | 3.57  | 67.2   | 9.78  | 28.00 | 90.0  |        |       |       |       | 321      |
| SAR-M (U.S.G.S.) Meas |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 331.0000 |
| SAR-M (U.S.G.S.) Cert |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 331.0000 |
| DNC-1 Meas            |          |       |        |       |       |       |       | 0.6   | 31    | 139   |       |       |       | 0.296  |       | 145    |       | 17.2  | 67    | 38.0   |       |       |       | 91       |
| DNC-1 Cert            |          |       |        |       |       |       |       | 0.95  | 31    | 144.0 |       |       |       | 0.29   |       | 146.00 |       | 18.0  | 70.0  | 38.000 |       |       |       | 100.00   |
| DNC-1 Meas            |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 91       |
| DNC-1 Cert            |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 100.00   |
| SBC-1 Meas            | 102      | 34.3  |        |       |       | 2.2   | 0.8   | 20    | 2.9   | 174   | 0.5   | 17.4  | 0.479 | 0.85   | 5.2   | 213    | 1.3   | 33.3  | 198   | 120    |       |       |       | 30       |
| 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  |       |       |       | 31.0000  |
| SBC-1 Meas            |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 30       |
| SBC-1 Cert            |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 31.0000  |
| DMAAS 117 Meas        |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 1650     |
| DMAAS 117 Cert        |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 1718     |
| DMAAS 117 Meas        |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 1718     |
| DMAAS 117 Cert        |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 1718     |
| DMAAS 117 Meas        |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 1690     |
| DMAAS 117 Cert        |          |       |        |       |       |       |       |       |       |       |       |       |       |        |       |        |       |       |       |        |       |       |       | 1718     |
| GMS-28 Meas           | 48.1     | 17.2  | 1.46   | 0.19  | 219   | <0.1  | <0.1  | 6     | 0.2   | 132   | <0.1  | 4.2   | 0.131 | 0.25   | 1.3   | 19     | <0.1  | 9.0   | 14    | 90.9   |       |       |       | 2        |
| GMS-28 Dup            | 47.6     | 17.2  | 1.00   | 0.19  | 216   | <0.1  | <0.1  | 6     | 0.2   | 131   | <0.1  | 3.3   | 0.113 | 0.23   | 9.1   | 17     | <0.1  | 9.4   | 12    | 77.4   |       |       |       | 3        |
| GMS-27 Meas           | 34.8     | 4.3   | 1.05   | 0.13  | 139   | <0.1  | <0.1  | 5     | 0.1   | 123   | <0.1  | 2.7   | 0.082 | 0.16   | 1.1   | 10     | <0.1  | 8.3   | 8     | 83.2   |       |       |       | 3        |
| GMS-27 Dup            | 34.3     | 4.5   | 0.74   | 0.13  | 136   | <0.1  | <0.1  | 5     | 0.2   | 123   | <0.1  | 3.0   | 0.093 | 0.14   | 1.1   | 11     | <0.1  | 8.2   | 8     | 84.9   |       |       |       | 3        |
| Method Blank          | <0.1     | <0.1  | <0.01  | <0.01 | <1    | <0.1  | <0.1  | <1    | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <0.001 | <0.05 | <0.1   | <4    | <0.1  | <0.1  | <1     | <0.1  |       |       | 3        |
| Method Blank          | <0.1     | <0.1  | <0.01  | <0.01 | <1    | <0.1  | <0.1  | <1    | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <0.001 | <0.05 | <0.1   | <4    | <0.1  | <0.1  | <1     | <0.1  |       |       | <1       |
| Method Blank          | <0.1     | <0.1  | <0.01  | <0.01 | <1    | <0.1  | <0.1  | <1    | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <0.001 | <0.05 | <0.1   | <4    | <0.1  | <0.1  | <1     | <0.1  |       |       | <1       |

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|                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |                |        |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------------|--------|
| Analyte Symbol  | Rb    | Pb    | S     | Mg    | Mn    | Mo    | Sn    | Se    | Sr    | Ta    | Ti    | Ti    | U     | V     | W     | Y     | Zn    | Zr    | Au   | Ag             | Cu     |
| Unit Symbol     | ppm   | ppm   | %     | %     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm  | ppm            | ppm    |
| Detection Limit | 0.1   | 0.1   | 0.01  | 0.01  | 1     | 0.1   | 0.1   | 1     | 1     | 0.1   | 0.1   | 0.001 | 0.05  | 0.1   | 4     | 0.1   | 1     | 0.1   | 1    | 0.3            | 1      |
| Analysis Method | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | INAA | MULT<br>TD-ICP | TD-ICP |
| Method Blank    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |                |        |

qc

| Analyte Symbol  | Cd     | Mn     | Pb     | Ni                   | Zn                   | S      | Al     | As   | Ba   | Be     | Bi     | Ca     | Br   | Co   | Cr   | Cs   | Eu   | Fe   | Hf   | Hg   | Ir    | K      | Li     |
|-----------------|--------|--------|--------|----------------------|----------------------|--------|--------|------|------|--------|--------|--------|------|------|------|------|------|------|------|------|-------|--------|--------|
| Unit Symbol     | ppm    | ppm    | ppm    | ppm                  | ppm                  | %      | %      | ppm  | ppm  | ppm    | ppm    | %      | ppm  | ppm  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppm   | %      | ppm    |
| Detection Limit | 0.3    | 1      | 3      | 1                    | 1                    | 0.01   | 0.01   | 0.5  | 50   | 1      | 2      | 0.01   | 0.5  | 1    | 2    | 1    | 0.2  | 0.01 | 1    | 1    | 5     | 0.01   | 1      |
| Analysis Method | TD-ICP | TD-ICP | TD-ICP | MULT / INAA / TD-ICP | MULT / INAA / TD-ICP | TD-ICP | TD-ICP | INAA | INAA | TD-ICP | TD-ICP | TD-ICP | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA  | TD-ICP | TD-ICP |
| GRR-1 Meas      | 3.1    | 14     | 790    |                      |                      | 0.25   | 1.92   |      |      | 1      | 1390   | 0.88   |      |      |      |      |      |      |      |      | 0.04  | 8      |        |
| GRR-1 Cert      | 3.30   | 18.0   | 730    |                      |                      | 0.257  | 3.52   |      |      | 1.22   | 1390   | 0.960  |      |      |      |      |      |      |      |      | 0.050 | 8.20   |        |
| GRR-1 Meas      | 3.1    | 14     | 790    |                      |                      | 0.24   | 1.92   |      |      | 1      | 1390   | 0.88   |      |      |      |      |      |      |      |      | 0.04  | 8      |        |
| GRR-1 Cert      | 3.30   | 18.0   | 730    |                      |                      | 0.257  | 3.52   |      |      | 1.22   | 1390   | 0.960  |      |      |      |      |      |      |      |      | 0.050 | 8.20   |        |
| GRR-4 Meas      | 0.3    | 314    | 47     |                      |                      | 1.77   | 7.05   |      |      | 2      | 14     | 1.08   |      |      |      |      |      |      |      |      | 3.14  | 11.1   |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 1.90   | 19.0   | 1.01   |      |      |      |      |      |      |      |      | 4.01  | 11.1   |        |
| GRR-4 Meas      | 0.3    | 314    | 47     |                      |                      | 1.79   | 7.05   |      |      | 2      | 14     | 1.08   |      |      |      |      |      |      |      |      | 3.14  | 11.1   |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.79   | 7.20   |      |      | 1.90   | 19.0   | 1.01   |      |      |      |      |      |      |      |      | 4.01  | 11.1   |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Cert      | 0.860  | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      | 2.45  | 33     |        |
| GRR-4 Meas      | 0.3    | 310    | 52.0   |                      |                      | 1.77   | 7.20   |      |      | 3      | 139    | 1.09   |      |      |      |      |      |      |      |      |       |        |        |

Activation Laboratories Ltd.

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| Analyte Symbol  | Cd     | Mo     | Pb     | Ni            | Zn            | S      | Al     | As   | Ba   | Be     | Bi     | Ca     | Br   | Co   | Cr   | Cs   | Eu   | Fe   | Hf   | Hg   | Ir   | K      | Li     |
|-----------------|--------|--------|--------|---------------|---------------|--------|--------|------|------|--------|--------|--------|------|------|------|------|------|------|------|------|------|--------|--------|
| Unit Symbol     | ppm    | ppm    | ppm    | ppm           | ppm           | %      | %      | ppm  | ppm  | ppm    | ppm    | %      | ppm  | ppm  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppm  | %      | ppm    |
| Detection Limit | 0.3    | 1      | 3      | 1             | 1             | 0.01   | 0.01   | 0.5  | 50   | 1      | 2      | 0.01   | 0.5  | 1    | 2    | 1    | 0.2  | 0.01 | 1    | 1    | 5    | 0.01   | 1      |
| Analysis Method | TD-ICP | TD-ICP | TD-ICP | MULT / TD-ICP | MULT / TD-ICP | TD-ICP | TD-ICP | INAA | INAA | TD-ICP | TD-ICP | TD-ICP | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | TD-ICP | TD-ICP |
| GMES-26 Dup     | <0.3   | <1     | 7      |               |               | 0.01   | 5.57   |      |      | 1      | <2     | 0.19   |      |      |      |      |      |      |      |      |      | 0.91   | 9      |
| GMES-27 Orig    | <0.3   | <1     | 4      |               |               | <0.01  | 4.93   |      |      | 1      | <2     | 0.20   |      |      |      |      |      |      |      |      |      | 0.83   | 6      |
| GMES-27 Dup     |        |        |        |               |               |        |        |      |      |        |        |        |      |      |      |      |      |      |      |      |      |        |        |
| Method Blank    |        |        |        |               |               | <0.01  | <0.01  |      |      | <1     | <2     | <0.01  |      |      |      |      |      |      |      |      |      | <0.01  | <1     |
| Method Blank    | <0.3   | <1     | <3     |               |               | <0.01  | <0.01  |      |      |        | <2     | <0.01  |      |      |      |      |      |      |      |      |      | <0.01  | <1     |
| Method Blank    |        |        |        |               |               |        |        |      |      |        |        |        |      |      |      |      |      |      |      |      |      |        |        |
| Method Blank    |        |        |        |               |               |        |        |      |      |        |        |        |      |      |      |      |      |      |      |      |      |        |        |

QC

| Analyte Symbol  | Mg     | Mn     | Na     | P      | Pb   | Sb   | Sc   | Se   | Sr     | Ta     | Ti     | Th   | U    | V      | W    | Y      | La   | Ce   | Nd   | Sm   | Sr   | Tb   | Yb   |
|-----------------|--------|--------|--------|--------|------|------|------|------|--------|--------|--------|------|------|--------|------|--------|------|------|------|------|------|------|------|
| Unit Symbol     | %      | ppm    | %      | %      | ppm  | ppm  | ppm  | ppm  | ppm    | ppm    | %      | ppm  | ppm  | ppm    | ppm  | ppm    | ppm  | ppm  | ppm  | ppm  | %    | ppm  | ppm  |
| Detection Limit | 0.01   | 1      | 0.01   | 0.001  | 15   | 0.1  | 0.1  | 3    | 1      | 0.5    | 0.01   | 0.2  | 0.5  | 2      | 1    | 1      | 0.5  | 3    | 5    | 0.1  | 0.01 | 0.5  | 0.2  |
| Analysis Method | TD-ICP | TD-ICP | TD-ICP | TD-ICP | INAA | INAA | INAA | INAA | INAA   | TD-ICP | TD-ICP | INAA | INAA | TD-ICP | INAA | TD-ICP | INAA | INAA | INAA | INAA | INAA | INAA | INAA |
| GXR-1 Meas      | 0.20   | 852    |        | 0.056  |      |      |      |      | 286    |        | 0.03   |      |      | 87     |      | 28     |      |      |      |      |      |      |      |
| GXR-1 Cert      | 0.217  | 852    |        | 0.056  |      |      |      |      | 275    |        | 0.036  |      |      | 80.0   |      | 32.0   |      |      |      |      |      |      |      |
| GXR-1 Meas      | 0.20   | 852    |        | 0.056  |      |      |      |      | 286    |        | 0.03   |      |      | 87     |      | 28     |      |      |      |      |      |      |      |
| GXR-1 Cert      | 0.217  | 852    |        | 0.056  |      |      |      |      | 275    |        | 0.036  |      |      | 80.0   |      | 32.0   |      |      |      |      |      |      |      |
| GXR-4 Meas      | 1.69   | 151    |        | 0.132  |      |      |      |      | 217    |        | 0.29   |      |      | 89     |      | 14     |      |      |      |      |      |      |      |
| GXR-4 Cert      | 1.66   | 155    |        | 0.120  |      |      |      |      | 221    |        | 0.29   |      |      | 87.0   |      | 14.0   |      |      |      |      |      |      |      |
| GXR-4 Meas      | 1.69   | 151    |        | 0.132  |      |      |      |      | 217    |        | 0.29   |      |      | 89     |      | 14     |      |      |      |      |      |      |      |
| GXR-4 Cert      | 1.66   | 155    |        | 0.120  |      |      |      |      | 221    |        | 0.29   |      |      | 87.0   |      | 14.0   |      |      |      |      |      |      |      |
| SQC-1 Meas      | 0.99   | 859    |        | 0.055  |      |      |      |      | 171    |        | 0.21   |      |      | 53     |      |        |      |      |      |      |      |      |      |
| SQC-1 Cert      | 1.02   | 880.00 |        | 0.059  |      |      |      |      | 180.00 |        | 0.06   |      |      | 102.00 |      |        |      |      |      |      |      |      |      |
| SQC-1 Meas      | 0.99   | 859    |        | 0.055  |      |      |      |      | 171    |        | 0.21   |      |      | 53     |      |        |      |      |      |      |      |      |      |
| SQC-1 Cert      | 1.02   | 880.00 |        | 0.059  |      |      |      |      | 180.00 |        | 0.06   |      |      | 102.00 |      |        |      |      |      |      |      |      |      |
| GXR-6 Meas      | 0.59   | 1050   |        | 0.036  |      |      |      |      | 35.0   |        |        |      |      | 148    |      | 12     |      |      |      |      |      |      |      |
| GXR-6 Cert      | 0.609  | 1010   |        | 0.036  |      |      |      |      | 35.0   |        |        |      |      | 148    |      | 12     |      |      |      |      |      |      |      |
| GXR-6 Meas      | 0.59   | 1050   |        | 0.036  |      |      |      |      | 35.0   |        |        |      |      | 148    |      | 12     |      |      |      |      |      |      |      |
| GXR-6 Cert      | 0.609  | 1010   |        | 0.036  |      |      |      |      | 35.0   |        |        |      |      | 148    |      | 12     |      |      |      |      |      |      |      |
| SARM (U.S.G.S.) | 0.48   | 5350   |        | 0.063  |      |      |      |      | 154    |        | 0.39   |      |      | 71     |      | 32     |      |      |      |      |      |      |      |
| SARM (U.S.G.S.) | 0.50   | 5220   |        | 0.07   |      |      |      |      | 151    |        | 0.38   |      |      | 67.2   |      | 28.00  |      |      |      |      |      |      |      |
| SARM (U.S.G.S.) | 0.48   | 5350   |        | 0.063  |      |      |      |      | 154    |        | 0.39   |      |      | 71     |      | 32     |      |      |      |      |      |      |      |
| SARM (U.S.G.S.) | 0.50   | 5220   |        | 0.07   |      |      |      |      | 151    |        | 0.38   |      |      | 67.2   |      | 28.00  |      |      |      |      |      |      |      |
| SARM (U.S.G.S.) | 0.50   | 5220   |        | 0.07   |      |      |      |      | 151    |        | 0.38   |      |      | 67.2   |      | 28.00  |      |      |      |      |      |      |      |
| DNC-1a Meas     |        |        |        |        |      |      |      |      | 128    |        | 0.28   |      |      | 139    |      | 15     |      |      |      |      |      |      |      |
| DNC-1a Cert     |        |        |        |        |      |      |      |      | 144.0  |        | 0.29   |      |      | 148.00 |      | 18.0   |      |      |      |      |      |      |      |
| DNC-1a Meas     |        |        |        |        |      |      |      |      | 128    |        | 0.28   |      |      | 139    |      | 15     |      |      |      |      |      |      |      |
| DNC-1a Cert     |        |        |        |        |      |      |      |      | 144.0  |        | 0.29   |      |      | 148.00 |      | 18.0   |      |      |      |      |      |      |      |
| SBC-1 Meas      |        |        |        |        |      |      |      |      | 175    |        | 0.50   |      |      | 220    |      | 32     |      |      |      |      |      |      |      |
| SBC-1 Cert      |        |        |        |        |      |      |      |      | 178.0  |        | 0.51   |      |      | 220.0  |      | 36.5   |      |      |      |      |      |      |      |
| SBC-1 Meas      |        |        |        |        |      |      |      |      | 175    |        | 0.50   |      |      | 220    |      | 32     |      |      |      |      |      |      |      |
| SBC-1 Cert      |        |        |        |        |      |      |      |      | 178.0  |        | 0.51   |      |      | 220.0  |      | 36.5   |      |      |      |      |      |      |      |
| DMAAS 117 Meas  |        |        | 212    |        |      | 5.9  | 5.5  |      | 178.0  |        | 0.51   |      | 12.5 | 220.0  |      | 36.5   | 16.6 | 29   |      | 2.4  |      |      |      |

**Report: A14-05959**

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Page 11/12



Activation Laboratories Ltd.

Report: A14-05959

|                 |        |      |
|-----------------|--------|------|
| Analyte Symbol  | Li     | Mass |
| Unit Symbol     | ppm    | g    |
| Detection Limit | 0.05   |      |
| Analysis Method | INAA   | INAA |
| SRC-1 Cert      |        |      |
| SRC-1 Meas      |        |      |
| SRC-1 Cert      |        |      |
| DMMAS 117 Meas  |        |      |
| DMMAS 117 Cert  |        |      |
| DMMAS 117 Meas  |        |      |
| DMMAS 117 Cert  |        |      |
| DMMAS 117 Meas  |        |      |
| DMMAS 117 Cert  |        |      |
| GMBS-26 DM      |        |      |
| GMBS-26 DM      |        |      |
| GMBS-27 DM      |        |      |
| GMBS-27 DM      |        |      |
| Method Blank    |        |      |
| Method Blank    |        |      |
| Method Blank    |        |      |
| Method Blank    |        |      |
| Method Blank    | < 0.05 | 30.0 |

## **APPENDIX IV – NSMIP EXPENSE RECEIPTS**

GOLD MINE BROOK PROPERTY REPORT 2014

HALLE GEOLOGICAL SERVICES LTD.

**Elemental Controls Limited**

3230 Wharton Way  
Mississauga, ON  
L4X 2C1

T: 905-282-9974 TF: 866-544-9974 F: 905-282-9519

**Invoice**

| Account # | Date      | Invoice # |
|-----------|-----------|-----------|
|           | 7/08/2014 | 5874      |

|                                                               |
|---------------------------------------------------------------|
| Invoice To: Accounts Payable                                  |
| Halle Geological<br>3-1345 Dresden Row<br>Halifax, NS B3J 2J9 |

**PAID**  
07/09/2014

|                                                                                             |
|---------------------------------------------------------------------------------------------|
| Ship To:                                                                                    |
| Halle Geological<br>3-1345 Dresden Row<br>Halifax, NS B3J 2J9<br>Jesse Halle (250-230-2376) |

| SO  | PO       | Terms       | Rep | Ship      | Via         | FOB      | Serial # |
|-----|----------|-------------|-----|-----------|-------------|----------|----------|
| 867 | J. Halle | Credit Card | AN  | 7/08/2014 | Fed Ex, Gnd | Miss. ON | 30975    |

| Quantity | Item       | Description                                                                                                                                                                                                                                            | Price Each | Amount    |
|----------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|
| 1        | ECL-Rental | Niton Analyzer Rental - 2 week rental of Niton XL3t-500 XRF Analyzer c/w Mobile Test Stand, Survey meter and Accessories                                                                                                                               | 3,000.00   | 3,000.00T |
| 1        | ECL-SHIP   | Prepaid Shipping/Handling Charges                                                                                                                                                                                                                      | 260.87     | 260.87T   |
|          |            | Notes:<br>1.) All x-ray devices must be registered in the province of use<br>2.) All open-beam x-ray devices must be operated by certified NRCan XRF Operators<br>3.) Rental Period is from July 15th to July 30th, 2014<br>4.) Payment by credit card |            | 0.00      |

|                         |               |
|-------------------------|---------------|
| <b>Subtotal</b>         | CAD 3,260.87  |
| <b>Taxes</b>            | CAD 489.13    |
| <b>Total</b>            | CAD 3,750.00  |
| <b>Payments/Credits</b> | CAD -3,750.00 |
| <b>Balance Due</b>      | CAD 0.00      |

|                          |            |
|--------------------------|------------|
| <b>Sales Tax Summary</b> |            |
| GST (5) On Sales@15.0%   | CAD 489.13 |
| Total Tax                | CAD 489.13 |

GST/HST No. 138870860



Account Name: Jesse Halle  
 Account Number: 1.50384637  
 Invoice Number: 100000005814539  
 Bill Close Date: 08/01/2014

Page 1 of 6

## Invoice Summary

| Due Date                                  | Current Charges | Amount Due |
|-------------------------------------------|-----------------|------------|
| 08/09/2014                                | \$149.99        | \$0.00     |
| <hr/>                                     |                 |            |
| <b>Previous Balance</b>                   | 0.00            |            |
| Payments - Thank You                      | 149.99CR        |            |
| <b>Balance</b>                            |                 | \$149.99CR |
| <hr/>                                     |                 |            |
| <b>Current Charges</b>                    |                 |            |
| Monthly Activity - 1 Service(s)           | 149.99          |            |
| Taxes and Surcharges                      | 0.00            |            |
| <b>Current Invoice Total</b>              |                 | \$149.99   |
| <hr/>                                     |                 |            |
| <b>Total Amount Due Including Balance</b> | >               | \$0.00     |

### Questions about your invoice?

You can contact us:

1 (866) OK1-SPOT  
 1 (866) 651-7768  
 +1-408-933-4518

or

email us at  
 customerservice@  
 findmespot.com

or

visit our Web sites at  
 www.findmespot.com

GBSL0024



Please detach and return bottom portion with your payment

| Account Number | Due Date        | Amount Due | Amount Paid |
|----------------|-----------------|------------|-------------|
| 1.50384637     | 08/09/2014      | \$0.00     | \$          |
| Ref No         | Inv No          |            |             |
| 50397479       | 100000005814539 |            |             |

Send Payment to:

Payable at Most Financial Institutions

0283463 - 1692807

Jesse Halle  
 1345 Dresden Row 3  
 Halifax NS B3J 2J9

PER YOUR AUTHORIZATION, THE  
 TOTAL AMOUNT DUE WILL BE BILLED  
 TO YOUR CREDIT CARD ON OR JUST PRIOR  
 TO 08/09/2014

5039 7479 1000 0000 0581 4539 8 0000 0000 00 1

**ME**

CUSTOMER / CLIENT

MACHINE R/L  
161 HOLLIS STREET  
HALEFAX, NS B3H2P6  
5024292928

**SALE**

MD: 87239050130  
TD: 002  
Batch #: 712  
08/24/14  
APPR CODE: 018829  
VISA  
\*\*\*\*\*3475

REF#: 00000028  
\$6.2725

AMOUNT \$24.68

APPROVED

THANK YOU  
PLEASE COME AGAIN

APPROVED  
THANK YOU  
PLEASE COME AGAIN  
CUSTOMER COPY

**FedEx Ground** Order Form / Bon de commande  
Must be processed at a FedEx® shipping counter  
Traiter à un comptoir d'expédition FedEx seulement

1 From Please print and press firmly / Expéditeur (Écrivez en caractères d'imprimerie. Appuyez fermement.) VPP  
Date 7/28/14  
Sender's FedEx Account Number / N° de compte FedEx de l'expéditeur  
Sender's Name / Nom de l'expéditeur JESSE HALLE Phone / Téléphone 902-266-4502  
Company / Nom de la société HALLE GEOLOGICAL SERVICES LTD.  
Address / Adresse 3-1345 Dresden Row  
City / Ville HALIFAX Province / Province N.S. CANADA Postal Code / Code postal B3S-2J9  
Country / Pays CANADA

2 To / Destinataire  
Recipient's Name / Nom du destinataire NITEN DHAKAL Phone / Téléphone 905-281-9974  
Company / Nom de la société ELEMENTAL CONTROLS  
Address / Adresse 330 WHARTON WAY  
City / Ville MISSISSAUGA State / Province/État ON  
Country / Pays CANADA ZIP/Postal Code / Code postal L4X-2C1

3 Package Information / Renseignements sur l'envoi 19x16x7  
Residential Delivery Address / Adresse de livraison résidentielle ☐ Nonresidential (Business) Delivery Address / Adresse de livraison non résidentielle (commerciale) ☒  
Number of Packages / Nombre de colis 1 Weight / Poids 18 lb. Declared Value \$ / Valeur déclarée 1.00 CAD/SCAN  
Our liability is limited to \$100 per package unless you declare a higher value. See back for details. For multiple packages to one delivery address, see the shipping agent to declare a value for each package. / Notre responsabilité est limitée à 100 \$ par colis. À moins que vous ne déclariez une valeur supérieure. Consultez le verso pour tous les détails. Si de multiples colis sont livrés à une même adresse, veuillez communiquer avec le responsable des expéditions afin de déclarer la valeur de chacun des colis.  
The FedEx Ground Order Form is for FedEx Ground shipments within Canada, and for FedEx International Ground shipments from Canada to the U.S. By using this FedEx Ground Order Form, you agree to the service conditions on the back of the Sender's Copy of this document and in the current FedEx Service Guide, including terms that limit our liability. Hazardous materials cannot be shipped using this FedEx Ground Order Form.  
Le bon de commande FedEx Ground ne doit être utilisé que pour les envois FedEx Ground à l'intérieur du Canada, ainsi que pour les envois FedEx International Ground expédiés du Canada vers les États-Unis. En utilisant ce bon de commande FedEx Ground, vous acceptez de vous conformer aux modalités de service contenues au verso de la copie de l'expéditeur du présent document et dans le Guide des services de FedEx en vigueur, y compris les modalités qui limitent notre responsabilité. Ce bon de commande ne peut servir à l'envoi de matières dangereuses.

JKHalle

Sender's Copy  
Copie expéditeur

4 Delivery Signature Options / Options Signature de livraison  
No Signature Required / Aucune signature exigée ☐ Direct Signature / Signature directe ☒  
Package may be left without obtaining a signature for delivery. / Le colis peut être livré sans signature à la livraison.  
Signature of the person to whom the package is delivered must be obtained. / La signature de la personne à qui le colis est livré doit être obtenue.

5 Payment / Paiement  
Bill transportation charges to / Facturer le transport à :  
Sender / Expéditeur ☐ Recipient / Destinataire ☐ Third Party / Tierce partie ☐ Credit Card / Carte de crédit ☐ Cash/Check / Argent liquide/Chèque ☒  
Enter FedEx Account No. below / Indiquez le n° de compte FedEx.  
FedEx Account No. / N° de compte FedEx  
FedEx No. in Section 1 will be billed. / Les frais seront imputés au numéro de compte figurant à la rubrique 1.

6 FedEx International Ground Information / Renseignements sur FedEx International Ground  
Commodity Description REQUIRED / Description de la marchandise REQUISE  
Scientific Equipment 1.00 cad  
Total Value for Customs CAD / Valeur totale en dollars (CAN) 1.00 cad.

Bill duties and taxes to / Facturer les droits et taxes à :  
Sender / Expéditeur ☐ Recipient / Destinataire ☒ Third Party / Tierce partie ☐  
Enter FedEx Account No. below / Indiquez le n° de compte FedEx.  
FedEx Account No. / N° de compte FedEx  
FedEx No. in Section 1 will be billed. / Les frais seront imputés au numéro de compte figurant à la rubrique 1.

FedEx Use Only / Réservé à FedEx  
Base Rate / Tarif de base \$ 35.47 GST/STP/TPV \$  
PST / TTP \$ 435.47  
Tracking Number / Numéro de suivi 780062327433  
Employee Number / Numéro d'employé 1886201 764320  
Part 301015 Rev. Date 9/13 ©2013 FedEx • PRINTED IN U.S.A.

fedex.ca 1800 GoFedEx 1800 463 3339

**FedEx Ground** Order Form / Bon de commande  
Must be processed at a FedEx® shipping counter.  
Traiter à un comptoir d'expédition FedEx seulement.

1 From Please print and press firmly / Expéditeur (Écrivez en caractères d'imprimerie. Appuyez fermement.) VPP  
Date 7/21/14  
Sender's FedEx Account Number / N° de compte FedEx de l'expéditeur  
Sender's Name / Nom de l'expéditeur JESSE HALLE Phone / Téléphone 902-266-4502  
Company / Nom de la société HALLE GEOLOGICAL SERVICES LTD.  
Address / Adresse 3-1345 Dresden Row  
City / Ville HALIFAX Province / Province N.S. CANADA Postal Code / Code postal B3S-2J9  
Country / Pays CANADA

2 To / Destinataire  
Recipient's Name / Nom du destinataire NITEN DHAKAL Phone / Téléphone 905-281-9974  
Company / Nom de la société ELEMENTAL CONTROLS  
Address / Adresse 3230 Wharton Way  
City / Ville MISSISSAUGA State / Province/État ON  
Country / Pays CANADA ZIP/Postal Code / Code postal L4X-2C1

3 Package Information / Renseignements sur l'envoi  
Residential Delivery Address / Adresse de livraison résidentielle ☐ Nonresidential (Business) Delivery Address / Adresse de livraison non résidentielle (commerciale) ☒  
Number of Packages / Nombre de colis 2 Weight / Poids 46 lb.5 Declared Value \$ / Valeur déclarée 100 CAD/SCAN  
Our liability is limited to \$100 per package unless you declare a higher value. See back for details. For multiple packages to one delivery address, see the shipping agent to declare a value for each package. / Notre responsabilité est limitée à 100 \$ par colis. À moins que vous ne déclariez une valeur supérieure. Consultez le verso pour tous les détails. Si de multiples colis sont livrés à une même adresse, veuillez communiquer avec le responsable des expéditions afin de déclarer la valeur de chacun des colis.  
The FedEx Ground Order Form is for FedEx Ground shipments within Canada, and for FedEx International Ground shipments from Canada to the U.S. By using this FedEx Ground Order Form, you agree to the service conditions on the back of the Sender's Copy of this document and in the current FedEx Service Guide, including terms that limit our liability. Hazardous materials cannot be shipped using this FedEx Ground Order Form.  
Le bon de commande FedEx Ground ne doit être utilisé que pour les envois FedEx Ground à l'intérieur du Canada, ainsi que pour les envois FedEx International Ground expédiés du Canada vers les États-Unis. En utilisant ce bon de commande FedEx Ground, vous acceptez de vous conformer aux modalités de service contenues au verso de la copie de l'expéditeur du présent document et dans le Guide des services de FedEx en vigueur, y compris les modalités qui limitent notre responsabilité. Ce bon de commande ne peut servir à l'envoi de matières dangereuses.

JKHalle

Sender's Copy  
Copie expéditeur

4 Delivery Signature Options / Options Signature de livraison  
No Signature Required / Aucune signature exigée ☐ Direct Signature / Signature directe ☒  
Package may be left without obtaining a signature for delivery. / Le colis peut être livré sans signature à la livraison.  
Signature of the person to whom the package is delivered must be obtained. / La signature de la personne à qui le colis est livré doit être obtenue.

5 Payment / Paiement  
Bill transportation charges to / Facturer le transport à :  
Sender / Expéditeur ☐ Recipient / Destinataire ☐ Third Party / Tierce partie ☐ Credit Card / Carte de crédit ☐ Cash/Check / Argent liquide/Chèque ☒  
Enter FedEx Account No. below / Indiquez le n° de compte FedEx.  
FedEx Account No. / N° de compte FedEx  
FedEx No. in Section 1 will be billed. / Les frais seront imputés au numéro de compte figurant à la rubrique 1.

6 FedEx International Ground Information / Renseignements sur FedEx International Ground  
Commodity Description REQUIRED / Description de la marchandise REQUISE  
Niton XL31-500 9100 CAD  
Total Value for Customs CAD / Valeur totale en dollars (CAN) 9100 CAD

Bill duties and taxes to / Facturer les droits et taxes à :  
Sender / Expéditeur ☐ Recipient / Destinataire ☒ Third Party / Tierce partie ☐  
Enter FedEx Account No. below / Indiquez le n° de compte FedEx.  
FedEx Account No. / N° de compte FedEx  
FedEx No. in Section 1 will be billed. / Les frais seront imputés au numéro de compte figurant à la rubrique 1.

FedEx Use Only / Réservé à FedEx  
Base Rate / Tarif de base \$ - GST/STP/TPV \$  
PST / TTP \$ 745.04  
Tracking Number / Numéro de suivi 740037971994  
Employee Number / Numéro d'employé 2622927 764304  
Part 301015 Rev. Date 9/13 ©2013 FedEx • PRINTED IN U.S.A.

fedex.ca 1800 GoFedEx 1800 463 3339



CANADIAN  
RED CROSS  
CROIX-ROUGE  
CANADIENNE

**General Receipt**

Transaction #: **AZG 009805**

Date: Jan 30, 2014  
 Received From: Jesse Halle  
 Address: 3 - 1345 Dresden Row  
 Halifax, NS, B3J2J9  
 CANADA  
 Phone Number: (902) 266-4502  
 Payment: Course Fees / Frais de cours \$140.00  
 Total \$140.00  
 Reference Info:  
 Paid By: Credit Card

Credit Card Transaction Information:  
 133 Troop Ave., Dartmouth, NS, B3B 2A7

|                 |                       |
|-----------------|-----------------------|
| Type            | Purchase              |
| Total Amount    | \$140.00              |
| Card Type       | Visa                  |
| Card Number     | *****347              |
| Date/Time       | 30/01/2014 1:52:16 PM |
| Reference #     | 662171470013220010 M  |
| Authorization # | 077571                |

01 APPROVED - THANK YOU 027

Cardholder will pay total amount shown to card issuer according to cardholder agreement

  
 CRC Signature:

\_\_\_\_\_  
 Customer Signature:

\_\_\_\_\_  
 The Canadian Red Cross Society  
 133 Troop Ave., Dartmouth, NS B3B 2A7 902-423-3680 www.redcross.ca

# **BAP Equipment Ltd.**

385 Wilsey Road, Unit 4B  
Fredericton, NB E3B 5N6  
Phone: 1-506-450-1309, 1-800-561-3600  
Fax: 1-506-458-2200  
Website: www.bapequipment.com  
E-Mail: info@bapequipment.com

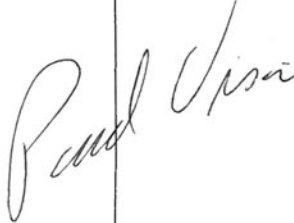
## **INVOICE**

Invoice No.: 119355  
Date: Aug 19, 2014  
Ship Date: Aug 19, 2014  
Re: Order No. JP081814-1

Sold to:  
Customer Sales

Ship to:  
Jesse Halle  
1345 Dresden Row, Unit 3  
Halifax, NS B3J 2J9  
Ph. 902-492-4592

Business No.: 12226 1654

| Item No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Quantity | Description                   | Unit Price | Amount        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------|------------|---------------|
| CLE12792                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 100      | Sample Bag-4" x 6" Kraft Soil | 0.42       | 42.00         |
| EIJ010102071                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1        | Soil Auger-One Piece 7CM      | 135.49     | 135.49        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          | Freight                       |            | 20.25         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          | H3 - HST 15%                  |            | 29.66         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          | HST                           |            | 0.01          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          | HST, not included             |            |               |
| <div style="text-align: center;">  </div> <div style="text-align: right;"> <p>TRANSACTION</p> <p>APPROVED - AA</p> <p>THANK YOU</p> <p>CUSTOMER COPY</p> </div> <div style="text-align: right;"> <p>PURCHASE</p> <p>AMOUNT \$227.41</p> </div> <div style="text-align: right;"> <p>RECEIPT 76807201-052-3563</p> <p>DATE 2014/08/19</p> <p>TIME 09:30:04</p> <p>CREDIT/USA</p> <p>CARD *****7133</p> <p>SEQ#:001</p> <p>TRANS#:0003563</p> <p>ALPH#:002434</p> <p>B:052</p> </div> |          |                               |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                               |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                               |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                               |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                               |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                               |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                               |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                               |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                               |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                               |            |               |
| BAP Equipment Ltd. HST #12226 1654                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |                               |            |               |
| Shipped By: Bus-Halifa Tracking Number: 197945                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |                               |            |               |
| Comment:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                               |            |               |
| Sold By: John A. Phillips                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                               |            |               |
| <b>Total Amount</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |                               |            | <b>227.41</b> |



Quality Analysis ...



Innovative Technologies

This is your final copy. If you require  
an original to be mailed by post  
please advise, otherwise this email  
will be deemed sufficient.

Invoice No.: **A14-05959**  
Purchase Order:  
Invoice Date: **18-Sep-14**  
Date submitted: **26-Aug-14**  
Your Reference:  
GST #: **R121979355**

Halle Geological Services Ltd.  
3-1345 Dresden Row  
Halifax NS B3J 2J9  
Canada

ATTN: Jesse R. Halle

**INVOICE**

| No. samples                | Description | Unit Price | Total              |
|----------------------------|-------------|------------|--------------------|
| 37                         | S1 DIS-FD   | \$ 3.15    | \$ 116.55          |
| 2                          | RX1-FD      | \$ 10.00   | \$ 20.00           |
| 37                         | 1H          | \$ 30.00   | \$ 1,110.00        |
| 2                          | 1EX         | \$ 18.75   | \$ 37.50           |
| 39                         | Disposal    | \$ 0.25    | \$ 9.75            |
| Subtotal: :                |             |            | <b>\$ 1,293.80</b> |
| HST-NS15% :                |             |            | \$ 194.07          |
| <b>AMOUNT DUE: (CAD) :</b> |             |            | <b>\$ 1,487.87</b> |

Net 30 days. 1 1/2 % per month charged on overdue accounts.

The above amount has been charged by Visa. Thank you for your payment!  
Auth#082753, Sept. 18, 2014.

Please reference the invoice number when  
making a payment by Bank/Wire transfer.  
Intermediary Bank Fees are the responsibility  
of the client.  
Thank you!

**ACTIVATION LABORATORIES LTD.**

41 Bittern Street, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or  
+1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [ancaster@actlabs.com](mailto:ancaster@actlabs.com) ACTLABS GROUP WEBSITE <http://www.actlabs.com>

