Kiska Metals Corporation

2015 GEOLOGICAL AND GEOCHEMICAL REPORT ON THE MIDLOTHIAN PROJECT

Located in Midlothian Township, Larder Lake Mining Division, Ontario
NTS 41P/14 and 41P/15
47˚ 53' North Latitude; 80˚ 59' West Longitude

-Prepared for-

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EQUITY

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1.0 SUMMARY

The Midlothian Property comprises a contiguous group of 11 Mining Claims in the Larder Lake Mining Division, Ontario, that are 100% owned by Rimfire Minerals Corporation, a wholly-owned subsidiary of Kiska Metals Corporation. The Property is located within the prolific gold-producing Abitibi Subprovince, about 70 km to the south-southeast of the city of Timmins, Ontario, and is road-accessible from Highway 566 through a 25 km network of forestry and mining roads. The western half of the Property is underlain by Archean rocks of the Timiskaming and Lower Tisdale assemblages and the eastern half by Proterozoic Gowganda Formation. Historical work on the Property has demonstrated some potential for orogenic gold, magmatic nickel and VMS mineralization. The past-producing United Asbestos Mine, which produced 25 Kt of fiber from 1975-1977, lies near the centre of the Property.

The 2015 work program included the collection of 311 soil samples, 34 rock samples and 37 samples for quality assurance and quality control (QAQC). Analysis of QAQC data shows no contamination and generally good reproducibility between field duplicates. Comparison between “blank” and soil sample analyses indicates that a response ratio of ≥10 is an adequate threshold to characterize “anomalous” values for most elements.

Five types of soil were identified on the Property and these belong to two end-members; brown silt and grey clayey silt. Although there are some notable geochemical differences between the different soil types the underlying bedrock appears to exert an even stronger control. Soils overlying intermediate metavolcanic (“meta-dacite”) and mafic-ultramafic intrusive rocks are generally enriched in Ba-Cr-Mg-Ni whereas soils overlying metasedimentary rocks have somewhat higher Al-As-Ga-Sb-Sc-Ti. The strength of these associations is reflected in the positive correlation (r, ρ) for many of these elements.

MMI data was used to define 22 multi-sample and point anomalies that have enrichment consistent with orogenic gold, magmatic Ni-Cu-PGE and/or other types of mineralization in the area, seven of which were selected as being particularly prospective. These are shown in the table below.

Anomaly	Elements	Comments
Lloyd West Au & Ni	Au, Cu, Ni	Large anomaly over Archean bedrock, near Bjorkmann Vein
Lakoma East	Au, As, Cu, Mo, Pb, Zb, W, Zn	Strong multi-element anomaly over LLCDZ splay
Felsic Volc As-Fe	As, Fe, Au, Bi, W	Over felsic volcanic
Pt 2615289 Ni	Ni, Cr	Very high single Ni value (21300 ppb)
Pt 2615224 Ni	Ni, Cr	On margin of mafic-ultramafic intrusion
Pt 2615567 Gold	Au, As, Sb	Strong multi-element point anomaly

The geological prospecting program suggests that structures trending north-northwest may be prospective, as this appears to be the orientation of the visible gold-bearing Bjorkman Vein. An outcrop of strongly deformed ultramafic rock supports an interpretation of east-west structures cutting across the Property. The rock sampling program returned only one sample with more than detectable gold, comprising a very hard carbonate-altered ultramafic boulder with 0.29 g/t Au. Timiskaming rocks appear to show high background values of As-Cr-Ni-Sb that could be generating false “hydrothermal” anomalies in overlying soils.

Future work should focus on following-up the most significant soil anomalies identified in the 2015 work program through a combination of geological prospecting, additional soil sampling and ground-based geophysics IP/Res surveying.

2.0 INTRODUCTION

The Midlothian Property ("Midlothian" or the "Property") comprises a contiguous group of eleven Mining Claims in the Larder Lake Mining Division, eastern Ontario, that are 100% owned by Rimfire Minerals Corporation ("Rimfire"), a subsidiary of Kiska Metals Corporation ("Kiska"). The Property is located within the prolific gold-producing Abitibi Subprovince of the Canadian Shield, 70 km to the south-southeast of the city of Timmins, Ontario, and 75 km to the west-southwest of the town of Kirkland Lake, Ontario (Figure 1).

In the summer of 2015, Equity Exploration Consultants Ltd ("Equity") conducted mobile metal ion (MMI) soil sampling, rock sampling and geological prospecting on the Midlothian Property on behalf of Kiska. MMI sampling was selected due to the widespread till cover on the Property, which limits thorough bedrock prospecting and complicates more traditional B-horizon soil sampling techniques. A total of 345 samples were collected for MMI analysis along with 37 rock samples for fire assay and ICPMS. MMI analyses were done by SGS laboratories in Burnaby, British Columbia, whereas the rocks were analyzed by SGS in Sudbury, Ontario. Field work was done out of the Argyle Lake Lodge, which is located 19 km north-northeast of the Property. The Property was accessed by truck over the Wilson Lumber Road, which transects the northern part of the Midlothian claim block. The southern part of the Property was accessed on foot or by canoe from the Wilson Lumber Road.

Previous work has shown potential for orogenic gold (Bjorkman, 2014) magmatic-hosted nickel/copper/PGE (Kleinboeck, 2009) and volcanogenic massive sulphide (Hogg, 1974) mineralization within the Archean rocks on the Property. The 2015 work program aimed to expand on this work by sampling over covered Archean bedrock and structures with gold and nickel potential, including splays off the gold-endowed Larder Lake-Cadillac Deformation Zone (LLCDZ) that may extend underneath Proterozoic cover rocks on the Property.

The information, conclusions and recommendations provided in this report are based on results from the 2015 surface sampling and prospecting program, data supplied to Equity by Kiska, published and unpublished geological reports on the area and discussions with representatives from Kiska who have experience working on the Property. A list of references is provided in Appendix A.

The report summarizes results of the 2015 exploration program and provides for filing of exploration expenditure assessment credits to the claims tested.

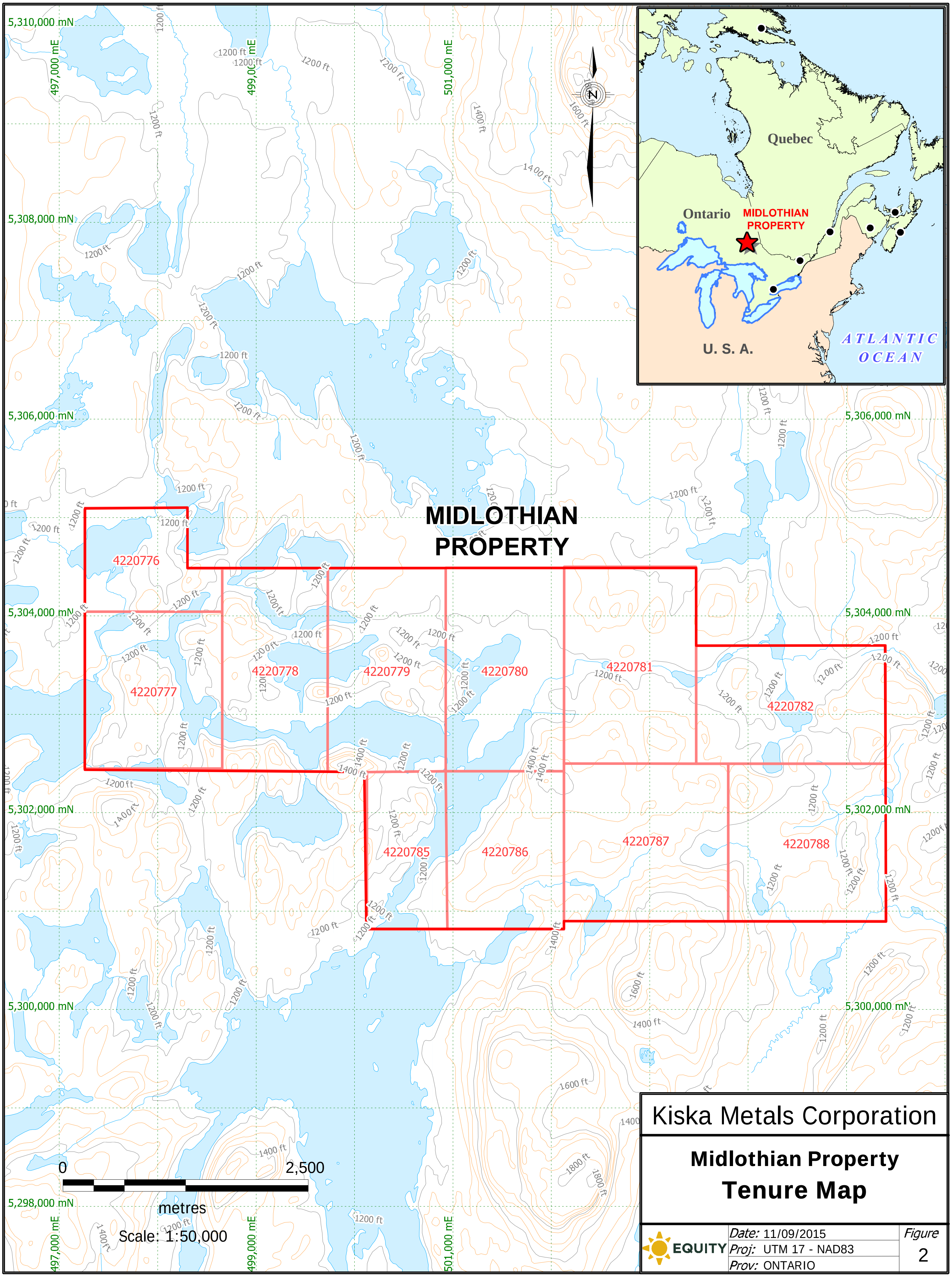
3.0 RELIANCE ON OTHER EXPERTS

The author has not relied on a report, opinion, or statement of an expert for information concerning legal, environmental, political or other issues.

4.0 PROPERTY DESCRIPTION AND LOCATION

The Midlothian Property comprises 11 contiguous Mining claims for a total of 152 claim units (Figure 2), covering a total of 23.98 km^2 in the Midlothian Township, Larder Lake Mining Division, of eastern Ontario on NTS map sheets 41P/14 and 41P/15 (Figure 2). A complete list of claims is presented in Appendix B. The approximate center of the Property is located near coordinates 47° 53' North latitude and 80° 59' West longitude (NAD-83 UTM Zone 17N: 5303300N, 501000E), approximately 70 km to the south-southeast of the city of Timmins, Ontario, and 75 km to the west-southwest of the town of Kirkland Lake (see Figure 1).


HUDSON BAY
QUEBEC
ONTARIO
U.S.A.
ATLANTIC OCEAN
MIDLOTHIAN PROPERTY
Timmins
Kirkland Lake
QUEBEC
FREDERICTON
OTTAWA
TORONTO
-80°
-75°
-70°
-85°
55°
50°
45°
40°
Quebec
Ontario
MIDLOTHIAN PROPERTY
U. S. A.
ATLANTIC OCEAN
0
500,000
metres
Scale: 1:10,000,000
Kiska Metals Corporation
Midlothian Property
Location Map
EQUITY
Date: 11/09/2015
Proj: UTM 17 - NAD83
Prov: ONTARIO
Figure
1



Kiska Metals Corporation

Midlothian Property

Tenure Map

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Date: 11/09/2015

Proj: UTM 17 - NAD83

Prov: ONTARIO

Figure 2

Although the area covered by the Midlothian Property has been explored and mined in the past, the area was unstaked when Laurion Mineral Exploration Inc ("Laurion") and Geoinformatics Exploration Inc ("Geoinformatics") assembled the 11 Mining claims comprising the Property in 2007. The Midlothian Property was originally owned 51% by Laurion and 49% by Geoinformatics, with the Geoinformatics stake passing to Rimfire in two transactions conducted in 2011 and 2013. In July 2014, Laurion transferred its 51% ownership stake to Rimfire in exchange for a Net Smelter Royalty (NSR) of 2.5% for precious metals and 1.5% with respect to all other metals derived from the Midlothian Project, in addition to a cash payment of $25000 and forfeiture of 500000 common shares that Kiska held in Laurion (Laurion Mineral Exploration Inc, 2014). All 11 Midlothian claims are currently registered in Rimfire's name, which is a wholly-owned subsidiary of Kiska.

The past-producing United Asbestos Mine lies near the center of the Property and produced an estimated 25 Kt of fiber from 1.5 Mt of ore between October 1975 and March 1977 (Kretschmar and Kretschmar, 1982). Piles of waste rock remain on the Property but most of the mining infrastructure has been removed, except for the Asbestos Road that provides vehicle access to the Property.

Infrastructure on the Property includes the Asbestos Road and a network of smaller roads and trails that connects to it and provides easy access to the northern half of the Property.

To the author's best knowledge, there are no outstanding environmental liabilities on the Property.

No work permits were acquired for the 2015 exploration program, since the work consisted entirely of surface sampling (soils, rocks) and geological prospecting.

5.0 ACCESSIBILITY, LOCAL RESOURCES, INFRASTRUCTURE, CLIMATE, PHYSIOGRAPHY

The Midlothian Property can be accessed from Highway 566 by following the north-south Wilson Lumber Road for 15 km to its T-junction with the east-west Asbestos Road, then following the Asbestos Road to the west for 4 km. The near-center of the Property can be reached by continuing along the Asbestos Road for another 4 km, into the heart of the past-producing United Asbestos Mine. In the winter time, the same route is presumably traversable by snowmobile. More remote parts of the Property can be reached on foot or through a combination of canoeing and walking.

From the junction of the Wilson Lumber Road and Highway 566, the city of Timmins (population 43165) is 90 km driving distance to the northwest whereas the town of Kirkland Lake (population 8493) is an 80 km drive to the east. The closest regional airport is at Timmins, which has several daily commercial flights to Toronto. Both Timmins and Kirkland Lake are long-standing mining towns that are an excellent source of supplies, personnel and support.

The 2015 field program was conducted out of the Argyle Lake Lodge, which lies just off Highway 566 and a 25 km drive from the Midlothian Property. This lodge provides self-catering cabins and canoe rentals. Additional accommodation is available in the nearby town of Matachewan (rental housing) and in the Eagle Lake Lodge, which lie 45 and 80 km from the Property, respectively. It is also possible to establish a road-accessible exploration camp on the Property itself.

The region experiences a typical continental-style climate with cold winters and warm summers. Snow accumulation begins in November and generally remains until early May. Environment Canada climate normals for 1981-2010 from the nearest weather station in Timmins indicate that the daily average temperature ranges from a low -16.8 °C in January to a high of 17.5 °C in July. The coldest months are November to March, during which temperatures can drop as low as -45.6 °C. Peak average rain accumulation is in July (90.9 mm) and peak snow fall is in December (65.2 cm). Average and median snow depths are deepest in February at 64 cm. Drilling can be conducted year-round.

Physiography of the Property consists of rolling hills, lakes and intermittent flat areas. Elevation ranges from 350-450 m above sea level (asl), occurring in the eastern and southeastern part of the Property respectively. Lloyd Lake is the largest water body on the Property. Hills and lowlands are mostly covered by a forest of mixed spruce, pine and deciduous trees, with some bedrock exposures at higher elevations and swamp at lower levels.

6.0 HISTORY

6.1 Historical work

Historical work began in the early 1900s with the first filed records appearing in 1950. An early phase of exploration involved sporadic work until 1950 followed by an intense exploration campaign to define the United Asbestos Deposit from 1950-1954. This was followed by 14 years of relatively little exploration work and then by the most active period of exploration in the area from 1968-1977, which includes 1.5 years of asbestos production from 1975-1977. Little work has been done since the late 1970s. The more notable programs are summarized below and in Table 1.

The United Asbestos Deposit was outlined through drill programs done by **Canadian Johns-Manville Co** ("CJM") in 1950, **Dominion Gulf Co** ("Dominion") in 1953 and **Canadian Exploration** in 1954 (Kretschmar and Kretschmar, 1982), which totalled at least 25 holes for 4400 m. Dominion also conducted groundwork around CJM's asbestos discovery with the aim of finding a similar asbestos occurrence (Dominion Gulf Co, 1956).

In 1963, **Stairs Exploration and Mining Corp** ("Stairs") commissioned 610 line-km airborne magnetic survey that included much of what is now Midlothian Property. Results of the survey helped define the extent of the Archean ultramafic rocks around Lloyd Lake and confirmed that these rocks extend underneath Proterozoic sedimentary rocks to the east (Rattew, 1963). Nine EM conductors were also identified, three of which (EM conductors 1, 2, 3/3a) occur entirely within the property boundary.

The most active period of mineral exploration in the area began with an airborne magnetic and electromagnetic (EM) survey commissioned by **Timiskaming Nickel Ltd** (Lockwood Survey Co Ltd, 1968) and CJM (Evelegh, 1969). Both surveys indentified magnetic and EM anomalies possibly related to serpentinized ultramafic bodies and sulphide accumulations, respectively, and recommended ground-based follow-up work. **Denison Mines Ltd** conducted geological mapping, ground-based geophysics and soil sampling in 1970 (Clayton, 1971a) that was followed up the next year with 195 m of diamond drilling in two holes (Clayton, 1971b). The first of these holes hit layers of 2.6 m and 0.3 m thick semi-massive to massive pyrite in addition to two 5-12 m wide intervals of graphitic mudstone (Clayton, 1971b). The second hole hit 30 m of altered ultramafic immediately below overburden (Clayton, 1971b).

From 1971 to 1973, **United Asbestos Inc** ("United") was reported to have drilled just over 8800 m in 74 drill holes to define the principal ore zones within the United Asbestos Deposit (Kretschmar and Kretschmar, 1982). This program led to a decision to construct a mill complex capable of processing between 1.1-1.3 Mt per annum, at a cost of $60M, after which production began in October 1975 (Kretschmar and Kretschmar, 1982). Production lasted just 1.5 years, to March 1977, when the mine was closed due to "combined political and economic factors" (page 72 in Kretschmar and Kretschmar, 1982).

Other operators active in the area between 1971-1976 include **Mr John D. Hogan** ("Hogan"), **Stump Mines Ltd** ("Stump"), **Allied Mining Corp Ltd** ("Allied"), **International Trust Co.** ("International Trust"), **Hanna Mining Ltd** ("Hanna") and **Northim Mines Ltd** ("Northim"). **Hogan** drilled three holes for 360 m that intersected intervals of serpentinized dunite stretching from 12-145 m (Hogan, 1971a; Hogan, 1971b). **Stump** commissioned a geological mapping and compilation program as well as an induced polarization/resistivity ("IP") survey that identified chargeability anomalies on every IP line and suggested some potential for VMS and magmatic nickel deposits (Hutchinson et al., 1971). In 1972, **Allied** drilled seven holes for 1250 m but reported the results of just one, which intersected only rhyolite from top to bottom (Allied Mining Corp Ltd, 1972). In the same year, **International Trust** drilled four holes for 550 m that were all aimed at ultramafic rocks (Hagan, 1972), presumably with the intent of discovering additional asbestos mineralization. **International Trust** then filed a compilation study, mostly based on data collected by United, and drilled an additional three holes, for 440 m, the next year. These holes each intersected ultramafic rocks underneath Gowganda Formation, but failed to returned significant intersections of either magmatic sulphide or asbestos (International Trust Co, 1976). **Hanna** conducted ground-based magnetic and EM surveys in 1973 and reported three EM anomalies and a magnetic anomaly possibly related to an ultramafic body (Hogg, 1973). This work was followed up with drilling of six holes for 540 m in 1974 (Hogg, 1974), three of which occur on the Midlothian Property. One of these holes (74-4), which occurs near the western margin of the Property, intersected 84 m of 10-80% pyrite and was stopped in mineralization, but returned only negligible gold and base metal values (Hogg, 1974). The other five holes intersected pyrite-graphite argillite layers that appeared to adequately explain the EM anomalies. **Northim** drilled two holes for 305 m on the Property in 1975 (Darke, 1975) with both holes testing EM conductors and intersecting layers of graphitic argillite ± pyrrhotite ± pyrite.

Since 1977, only sporadic work has been done within the current boundaries of the Midlothian Property. In 1997, **Mr Dale Pyke** commissioned a geological mapping and sampling program on a claim block that included the United Asbestos Mine, and concluded that there was a possibility the Larder Lake-Cadillac Deformation Zone (LLCDZ) extended onto the Property.

Ten years later, in 2007, **Laurion** and **Geoinformatics** staked the Midlothian Property and conducted a 374 line-km airborne VTEM survey, with a preliminary interpretation showing a large strong EM and magnetic anomaly that could be related to sulphide mineralization (Legault et al., 2008). This survey was followed up with a three hole, 1087 m, diamond drill program that tested for base metal mineralization association with the ultramafic-mafic intrusions, returning a best intercept of 0.26% Ni and 0.22% Cr over 348.8 m (Kleinboeck, 2009). Six years later, Laurion commissioned a prospecting program that resulted in the discovery of the Bjorkman Vein (or Zone in Bjorkman, 2014), a quartz vein with visible gold that returned chip samples of 2060 g/t Au over 0.8 m and 4810 g/t Au over 0.3 m (Bjorkman, 2014).

Table 1: Summary of historical work done within the current extent of the Midlothian Property

Company	Year	Type of Work	Reference
Canadian Johns-Manville Co	1950	Drilling (17 holes, 2900 m)	Kretschmar and Kretschmar (1982)
Dominion Gulf	1953-1956	Drilling (unknown); geological mapping; ground magnetics	Dominion Gulf Co (1956); Kretschmar and Kretschmar (1982)
Canadian Exploration	1954	Drilling (17 holes, 1525 m)	Kretschmar and Kretschmar (1982)
Stairs Exploration and Mining Corp	1963	Airborne EM and magnetics (610 km)	Rattew (1963)
Timiskaming Nickel Ltd	1968	Airborne EM and magnetics	Lockwood Survey Co Ltd (1968)
Canadian John Manville Co	1969	Airborne EM and mag (48 km)	Evelegh (1969)
Denison Mines Ltd	1970	Prospecting, ground-based EM and magnetics, soil sampling	Clayton (1971a)
	1971	Drilling (2 holes, 195 m)	Clayton (1971b)
United Asbestos Inc	1971-1973	Drilling (74 holes, 8840 m)	Kretschmar and Kretschmar (1982)
	1975-1977	Mining (25 Kt of asbestos fiber)	
John D Hogan	1971	Drilling (3 holes, 360 m)	Hogan 1971a, 1971b
Stump Mines Ltd	1971	Geological mapping, IP/Res (20 km)	Hutchinson et al (1971)
Allied Mining Corp Ltd	1972	Drilling (7 holes, 1250 m)	Allied Mining Corp Ltd (1972)
International Trust Co	1972	Drilling (4 holes, 553 m)	Hagan (1972)
	1975	Geological compilation	Hagan (1975)
	1976	Drilling (3 holes, 442 m)	International Trust Co (1976)
Hanna Mining Co	1973	Ground magnetics and EM; prospecting	Hogg (1973)
	1974	Drilling (3 holes, 330 m)	Hogg (1974)
Northim Mines Inc	1975	Drilling (2 holes, 195 m)	Darke (1975)
Mr Dale Pyke	1997	Geological mapping, sampling	Pyke (1997)
Laurion Mineral Exploration Inc	2008	Airborne VTEM (374 km)	Legault et al (2008)
	2008	Drilling (3 holes, 1087 m)	Kleinboeck (2009)
	2014	Prospecting	Bjorkman (2014)

6.2 2015 work program

The 2015 work program on the Midlothian Property was carried out by Equity on behalf of Kiska. Work involved seven field days with a four person field crew for a total of 28 personnel-days in the field. Twenty-four of these personnel days were spent on soil sampling and four days were spent prospecting.

The MMI soil sampling grid was designed prior to field work and featured 12 lines, with lengths ranging from 0.75 to 2.70 km and with sample spacing of 50 m (Table 2). A total of 16.80 line-km were covered and 311 samples were collected in addition to 34 QAQC samples (blanks, duplicates) for a total of 345 MMI samples. At each proposed sampling site, an attempt was made to dig a pit extending a minimum of 25 cm below the interface between the A- and B-horizons. The overall sampling success rate was 88% with most sampling failures related to flooded and/or swampy ground, as well as disturbed ground and bedrock. Samples were taken with a U-dig-it hand shovel from a 15 cm interval starting 10 cm below the A-B interface, after which the samples were photographed and placed into a Ziploc bag along with a sample tag. They were then sent to SGS labs in Burnaby, BC, for mobile metal ion analysis under analytical code GE_MMI_M.

Geological prospecting focussed on the Archean rocks and the northern margin of the Proterozoic cover rocks. A total of 34 samples were collected in the 4 days of geological prospecting work, with an additional three standards inserted to bring the total samples submitted to 37. All rock samples were placed in poly-ethylene bags, along with a sample tag, and sent to SGS labs in Sudbury, Ontario, for four-acid digestion and analysis by fire assay (Au only), ICP-AES and ICP-MS (analytical codes GE_FAA313, GE_IC40A, GE_IC40M). Daily logs of prospecting activities are located in Appendix F.

Table 2: Summary of MMI sampling for the 2015 work program

Line Name	Segment	Length (km)	# Sites	# Samples	Success Rate	Comments
28+00W	North	1.45	30	30	100.0%	
	South	0.30	7	7	100.0%	
24+00W	North	1.55	32	24	75.0%	Northern part flooded
	South	0.3	7	7	100.0%	
10+00W	North	1.4	29	21	72.4%	Passes over mine
	South	1.3	27	23	85.2%	Some swampy ground
4+00W	North	0.8	17	16	94.1%	
	South	0.45	10	10	100.0%	
0+00W		0.75	16	14	87.5%	Some swampy ground
4+00E		1.15	24	24	100.0%	
8+00E		1.45	30	27	90.0%	Some swampy ground
14+00E		1.4	29	22	75.9%	Some swampy ground
20+00E	North	1.05	22	20	90.9%	
	South	0.4	9	9	100.0%	
26+00E		1.1	23	21	91.3%	
32+00E	North	0.25	6	1	16.7%	Flooded ground
	South	0.65	14	14	100.0%	
36+00E		1.05	22	21	95.5%	
Total		**16.80**	**354**	**311**	**87.9%**	

7.0 REGIONAL GEOLOGY AND MINERALIZATION

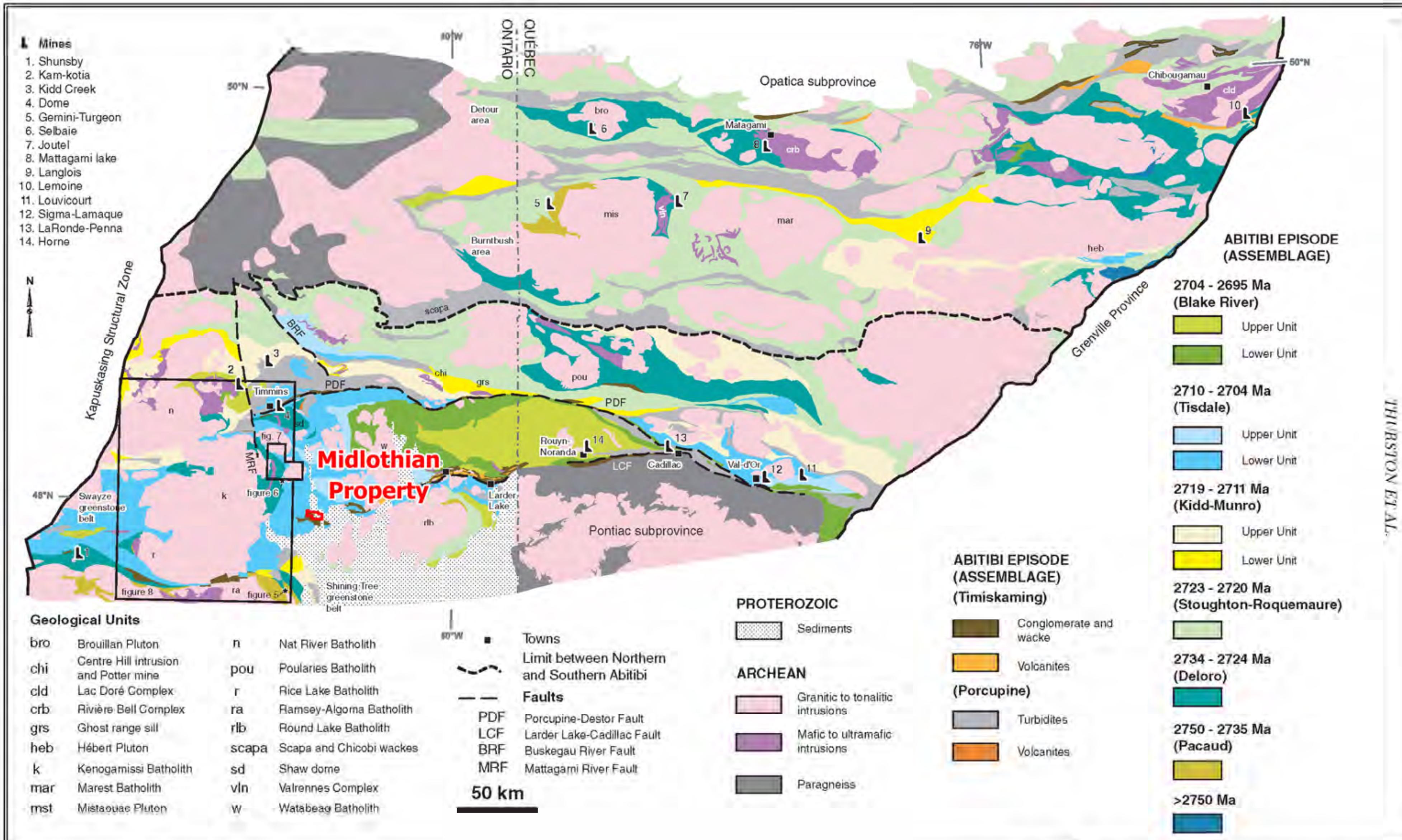
7.1 Regional Geology

The Midlothian Property lies in the southwestern portion of the Abitibi Subprovince, which is a component of the Archean Superior Province of the Canadian Shield (Figure 3). Mapping by the Canadian and Ontario geological surveys shows that the project area is underlain by the Timiskaming and Lower Tisdale assemblages of Thurston et al (2008), as well as the Proterozoic Gowganda Formation.

The Abitibi Subprovince is composed of east-trending synclines of largely volcanic rocks and intervening domes cored by synvolcanic and/or syntectonic plutonic rocks (gabbro-diorite, tonalite, and granite) alternating with east-trending bands of turbiditic wacke. Thurston et al (2008) divided the Abitibi Subprovince into seven discrete volcanic assemblages and two later sedimentary-dominated assemblages (Table 3). Most of the volcanic and sedimentary strata dip steeply and are generally separated by abrupt, east-trending faults with variable dip. Some of these faults, such as the Porcupine-Destor fault, display evidence for overprinting deformation events that include early thrusting followed by later strike-slip and extension events. Two ages of unconformable successor basins occur: early, widely distributed "Porcupine-style" basins of fine-grained clastic rocks, followed by "Timiskaming-style" basins of coarser clastic and minor volcanic rocks that are largely proximal to major strike-slip faults (e.g. Porcupine-Destor, Larder-Cadillac, Sunday Lake). In addition, the Abitibi Subprovince is cut by numerous late-tectonic plutons ranging in composition from syenite and gabbro to granite with lesser dikes of lamprophyre and carbonatite (Thurston et al., 2008).

Table 3: Summary of lithostratigraphic assemblages in the Abitibi Subprovince

Assemblage	Age (Ma)	Thickness (km)	Dominant Rock Types
Timiskaming	2677-2670	<3	Polymictic conglomerate and sandstone in subaerial alluvial fan, fluvial and deltaic settings; local alkaline volcanic rocks
Porcupine	2690-2685	<3	Local calc-alkaline felsic pyroclastic rocks overlain by turbiditic argillite to wacke
Blake River	2704-2695	~11-17	Minor clastic metasediments and high Mg and Fe tholeiites overlain by mafic to felsic tholeiitic to calc-alkaline volcanic units with volcaniclastic components
Tisdale	2710-2704	~10-15	Mafic volcanic rocks with localized ultramafic and intermediate to felsic volcanic rocks and iron formation; overlain by intermediate to felsic, calc-alkaline, amygdaloidal flows, heterolithic debris flows and volcaniclastic units
Kidd-Munro	2719-2711	~10	Intermediate to felsic calc-alkaline volcanic rocks, overlain by mafic volcanic rocks with local ultramafic and felsic volcanic rocks and graphitic metasedimentary rocks
Stoughton-Roquemare	2723-2720	<12	Tholeiitic basalts with komatiites and local felsic volcanic rocks
Deloro	2734-2724	~5	Mafic to felsic calc-alkaline volcanic rocks with local tholeiitic mafic volcanic rocks, capped by iron formation
Pacaud	2750-2735	~5	Ultramafic, mafic and felsic volcanic rocks, with minor iron formation
Pre-2750 Ma	>2750	~5	Intermediate to felsic, calc-alkaline pyroclastic rocks capped by iron formation



From Thurston et al (2008)

Kisk Metals Corporation

Midlothian Property

Regional Geology

(Abitibi Sub-Province)

EQUITY

Date: 19/09/2015	Figure
Proj: UTM Zone 17 (NAD 83)	3
Prov: ONTARIO	

The Midlothian Property is proximal to the westward extension of the Larder Lake-Cadillac Deformation Zone (LLCDZ), which likely passes ~5-10 km southeast of the Property. However, previous work has suggested that there may be splays off the LLCDZ that extend onto the Midlothian Property (e.g. Pyke, 1997). The LLCDZ is associated with significant gold deposits in the Cadillac, Rouyn-Noranda, Kirkland Lake and Larder Lake areas.

7.2 Regional Mineralization

The Abitibi Subprovince between the town of Kirkland Lake and the city of Timmins is host to several world-class gold and VMS deposits, as well as smaller nickel and asbestos deposits. This part of the Abitibi is particularly well-known for its gold deposits, with nearby mines including Alamos Gold's Young-Davidson Mine in Matachewan, Kirkland Lake Gold's Macassa Mine Complex near the town of Kirkland Lake, and Goldcorp's Porcupine Operation in Timmins. Most of the deposits are grouped into the "orogenic" group of gold deposits (Groves et al., 1998) although recent work suggests some of these deposits may better fit into the intrusion-related model (Helt et al., 2014). Mineralization at Young-Davidson, which includes 3.8 Moz of proven and probable reserves at an average grade of 2.63 g/t Au, occurs within a quartz vein stockwork that is hosted within a pyrite- and potassic-altered syenite (Alamos Gold, 2015). Mineralization at the Macassa Mine Complex include at least three separate deposits containing a combined 2 Moz of measured and indicated resources at an average grade of 13.7 g/t Au. Two of these deposits are hosted within structurally-controlled quartz veins with minor pyrite ± molybdenite ± telluride whereas the third occurs within a series of moderately dipping, finely disseminated pyrite ± visible gold ± telluride zones hosted by moderately dipping units of alkaline tuff and syenite porphyry (Kirkland Lake Gold, 2015). Goldcorp's Porcupine Operation includes the underground Hoyle and Dome mines, as well as the Hollinger open pit operation. Most of the gold from the Dome Mine has been produced from quartz veins hosted within mafic metavolcanic, metasedimentary or porphyritic intrusive rocks (Pressacco, 1999).

Several world-class volcanogenic massive sulphide (VMS) deposits also occur within the Abitibi Subprovince, including the Noranda and Matagami districts. Nearby VMS deposits include Kidd Creek (118 Mt at 2.20% Cu, 7.25% Zn, 147 g/t Ag), which is one of the largest such VMS systems in the world, in addition to several smaller deposits located near the municipalities of Timmins (e.g. Kam Kotia, Jameland), Sultan (Shunsby) and Benny (Stralak), Ontario. All of these deposits are bimodal-mafic in the classification scheme of Franklin et al (2005), implying they are Cu-Zn ± Au rich deposits that are associated with felsic rocks in a mafic-dominated setting.

The Timmins area is also host to several magmatic Ni deposits, including the Langmuir, Texmont, Alexo and Redstone deposits. Other nickel deposits in the area occur further to the northeast, near Amos, Quebec, and include the Marbridge and Dumont deposits. All of these classify as Class 2 deposits of Barnes and Lightfoot (2005), which are further sub-divided into those associated with komatiites (Type 2-I) and those associated with intrusive ultramafic (Type 2-II). The Langmuir deposits are an example of a Class 2 Type I deposit comprising a series of ore bodies localized in palaeo-troughs that likely resulted from the in-situ contamination of komatiite flows by sulphide-bearing host rocks (Green and Naldrett, 1981). The Dumont deposit is hosted with serpentinized dunite and would classify as a Class 2 Type II deposit, although the nickel mineralization itself appears to have been more the result of post-emplacement alteration than magmatic processes (Sciortino et al., 2015).

Several economic talc, magnesite and asbestos deposits also occur in the area, including the past-producing United Asbestos Deposit that occurs within the current Property boundary. Other such deposits in the Timmins-Kirkland Lake area include the Canadian and Allerston talc-magnesite deposits, as well as the Daffodil, Slade-Forbes, Hoffman, Garrison and Munro asbestos deposits (Kretschmar and Kretschmar, 1982). All of these deposits formed through hydrothermal alteration of ultramafic rocks.

8.0 PROPERTY GEOLOGY AND MINERALIZATION

8.1 Property Geology

The most recent bedrock map published by the Ontario Geological Survey (Préfontaine and Robichaud, 2013) shows that the Midlothian Property is underlain by Archean bedrock in the northwest half and Proterozoic rocks in the southeast (Figure 4). Archean units comprise part of the 2670-2677 Ma Timiskaming and 2704-2710 Ma Tisdale assemblages of Thurston et al (2008), with the former including the Clastic Metasedimentary unit of Préfontaine and Robichaud (2013) and the latter comprising the Ultramafic Metavolcanic, Intermediate to Felsic Metavolcanic and Felsic Metavolcanic units. The Tisdale Assemblage is cut by Archean ultramafic and mafic intrusive bodies that correspond to map units 7 and 8 of Préfontaine and Robichaud (2013). Proterozoic units include gabbros of the 2454 Ma Matachewan Dike Swarm as well as the c. 2300 Ma Gowganda Formation. Each of these units is described in more detail below.

Ultramafic metavolcanic rocks of the Tisdale Assemblage (Unit 1) occur only in the northern part of the Property, just to the east of Mitre Lake. These rocks consists mostly of massive flows with localized spinifex texture grading upwards into flow-top breccias (Préfontaine, 2011). Most of these rocks are strongly altered to magnesite, ankerite and green mica.

Intermediate to felsic metavolcanic rocks of the Tisdale Assemblage (Unit 3), here also referred to as “meta-dacite”, are the dominant metavolcanic package on the Property, and consist mostly of breccias, tuffs, agglomerates and flows that are locally interleaved with lenses of graphitic slate (Bright, 1970). Clasts hosted within the breccia and agglomerate sub-units range from angular to rounded, are generally more felsic than the matrix and can measure up to three feet in length. Several different interpretations have been forwarded for the origin of the brecciated rocks, including terrestrial volcanism (Bright, 1970), intrusion into unconsolidated sediments (Préfontaine and Magnus, 2010) and hydrothermal alteration (Préfontaine, 2011).

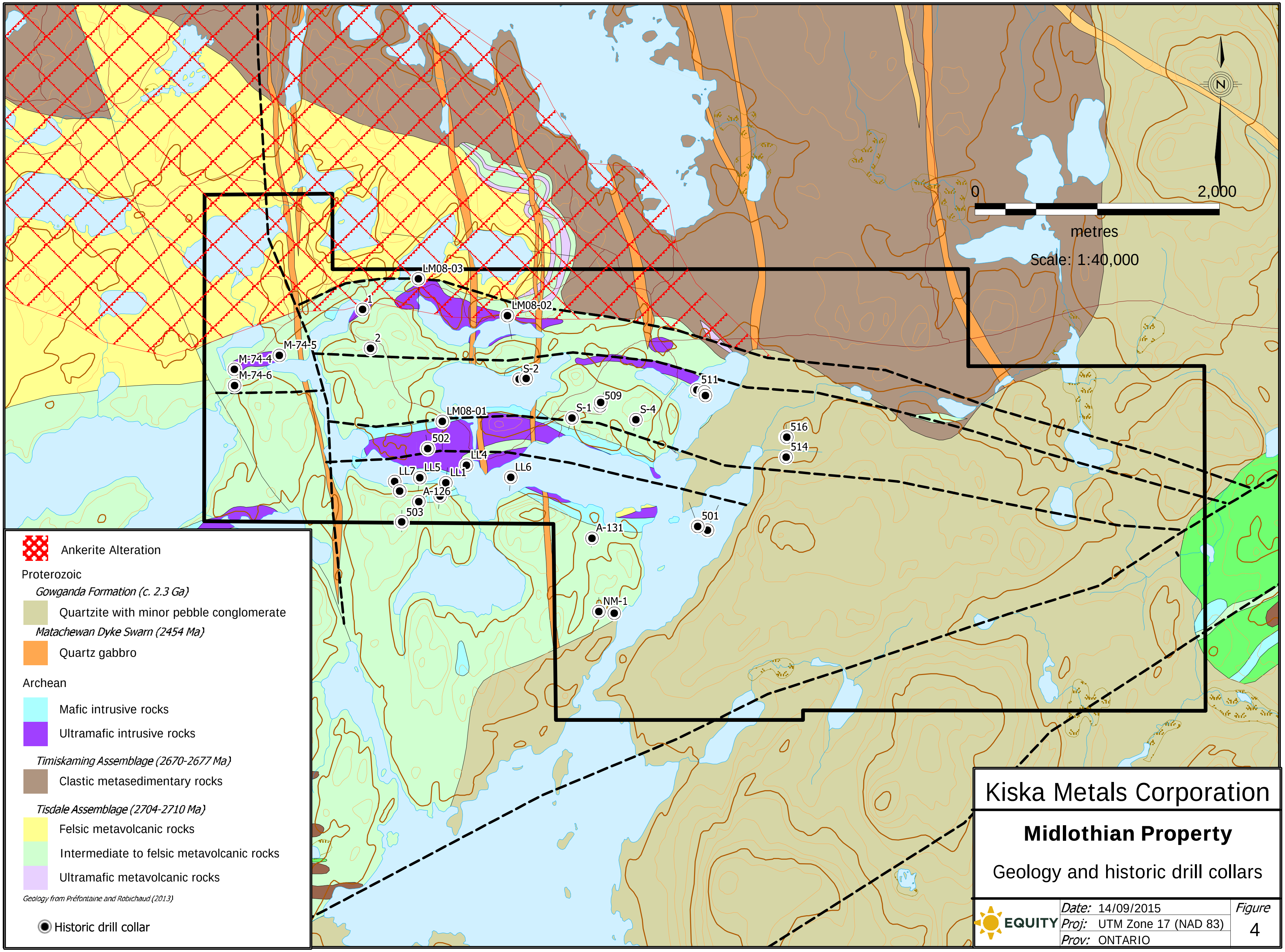
Tisdale felsic metavolcanic rocks (Unit 4) occur in the northeastern corner of the Property and in at least one shoreline outcrop along Lloyd Lake as well. Rock types consist of interstratified rhyolite flows, breccias and silica tuff-breccias, as well as rhyodacitic to dacitic flows, breccias and tuff further north (Bright, 1970). In several localities, these volcanic rocks are interlayered with lenses of pyrite- and/or marcasite-bearing graphitic tuff and slate.

The clastic metasedimentary rocks (Unit 6) of the 2670-2677 Ma Timiskaming Assemblage consist of matrix-supported pebble to boulder conglomerate that is interbedded with subordinate greywacke, arkose and slaty argillite (Bright, 1970). Clasts consist mostly of felsic metavolcanic but also include mafic volcanic, ultramafic volcanic, argillite, feldspar porphyry and granitoids, some of which are mineralized (Préfontaine, 2011).

The Tisdale Assemblage is cut by concordant ultramafic (Unit 7) and mafic (Unit 8) intrusions, with the latter typically rimming and grading into the former (Préfontaine, 2011). Ultramafic rocks include pyroxenite, peridotite and dunite that are typically at least partly altered to serpentine and, more rarely, talc whereas mafic rocks consist mostly of gabbro and olivine gabbro. The large sill that hosts the United Asbestos Deposit, along the western arm of Lloyd Lake, comprises a peridotite-dunite center with a pyroxenite-gabbro marginal phase (Bright, 1970). Contacts with metavolcanic host rocks are generally sharp.

Quartz gabbro of the Matachewan Dyke Swarm (Unit 11) is abundant in the area and tends to inhabit mostly north-south trending faults and fractures (Bright, 1970; Préfontaine, 2011). These dykes weather reddish-brown and range from medium to coarse-grained, typically comprising oval to spherical plagioclase phenocrysts and ophitic augite.

The youngest bedrock unit in the area consists of the c. 2.3 Ga Gowganda Formation (Unit 12), which comprises the lower-most division of the Cobalt Group (Bright, 1970). The Gowganda Formation consists of interbedded greywacke, conglomerate, quartzite, argillite and some arkose. A basal conglomerate unit consists largely of rounded granite boulders, with an average diameter of ~30 cm, in a matrix of granite- and greenstone-derived material.



Kiska Metals Corporation
Midlothian Property
Geology and historic drill collars
EQUITY
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure
4
0
2,000
metres
Scale: 1:40,000
N
Ankerite Alteration
Proterozoic
Gowganda Formation (c. 2.3 Ga)
Quartzite with minor pebble conglomerate
Matachewan Dyke Swarn (2454 Ma)
Quartz gabbro
Archean
Mafic intrusive rocks
Ultramafic intrusive rocks
Timiskaming Assemblage (2670-2677 Ma)
Clastic metasedimentary rocks
Tisdale Assemblage (2704-2710 Ma)
Felsic metavolcanic rocks
Intermediate to felsic metavolcanic rocks
Ultramafic metavolcanic rocks
Geology from Préfontaine and Robichaud (2013)
Historic drill collar
LM08-03
LM08-02
LM08-01
1
2
M-74-5
M-74-4
M-74-6
S-2
S-1
S-4
509
511
516
514
502
LL4
LL7
LL5
LL1
LL6
A-126
503
A-131
501
NM-1

8.2 Property Mineralization

The Midlothian Property is prospective for several deposit types that include orogenic gold, magmatic Ni-Cu-PGE and VMS, as well as the alteration products of ultramafic rocks (asbestos, talc, magnesite). The past-producing United Asbestos Mine occurs within the central part of the Property. The more prominently mineralized zones on the Property are summarized below and in Table 4.

The United Asbestos Deposit was discovered and delineated between 1950-1954 by Canadian Johns-Manville Co, Dominion Gulf Co and Canadian Exploration, and then further defined by United Asbestos Inc through a resource-definition drill program from 1971-1973. The deposit consists of two zones, the so-called North and South zones, occurring near the center of a 900 m thick ultramafic sill. The chrysotile asbestos within each zone is hosted in a network of narrow interlocking stringers (Kretschmar and Kretschmar, 1982). Estimates of the remaining resource include 24.72 Mt grading 4.70% 5R ± 6D fiber for the North Zone, with an additional 125 Mt of material of undefined grade occurring in the South Zone (Kretschmar and Kretschmar, 1982).

The gold-bearing Bjorkman Vein was discovered within the United open pit by Laurion in 2013, and consists of a visible gold-bearing quartz vein inhabiting the contact zone between mafic and ultramafic intrusive rocks (Bjorkman, 2014). Best results from chip sampling include 2060 g/t over 0.8 m, 4810 g/t over 0.3 m and 90 g/t over 0.75 m. This vein is also enriched in copper and the visible gold is an abnormal green colour, suggesting the copper may occur as solid solution within native gold. Additional prospecting and geological mapping were unable to trace this vein beyond the edge of the open pit (Bjorkman, 2014).

Ultramafic Ni-Cu-PGE mineralization is mostly known through the work done by Laurion (Kleinboeck, 2009). Their 2008 drill program returned a best intercept of 0.26% Ni and 0.22% Cr over 348.8 m (Kleinboeck, 2009), with thin section and CIPW norm calculations used to suggest that the nickel was mostly hosted in olivine and trace fine-grained pentlandite. The only observed sulphides, however, were pyrrhotite veinlets with trace intergrown chalcopyrite (Kleinboeck, 2009).

Early exploration also focussed on the VMS potential of the area, with several projects following up airborne and ground-based EM work with diamond drilling (Darke, 1975; Hogg, 1973; Hogg, 1974). Most of this work showed the EM anomalies are related to layers of graphitic argillite ± pyrite ± pyrrhotite. One hole drilled near the western edge of the Property, however, intersected 84 m of 10-80% pyrite and was stopped in mineralization (Hogg, 1974).

Table 4: Summary of deposits, prospects and showings on the Midlothian Property

Commodity	Name	Status	Deposit Type	Comments	Reference
Asbestos	United North	Past producer	Altered ultramafic	25 Kt produced (1975-77)	Kretschmar and Kretschmar (1982)
	United South	Developed prospect		125 Mt at undefined grade	
Gold	Bjorkman Vein	Showing	Orogenic gold	VG-bearing quartz vein	Bjorkman (2014)
Nickel	"Lloyd Lake" Ni-Cr	Showing	Magmatic Ni-Cr	348.8 m @ 0.26% Ni, 0.22% Cr	Kleinboeck (2009)
Base metals	"Lloyd NW"	Showing	VMS?	0.3-2.6 m layers of semi-massive pyrite	Clayton (1971b)
	"Lloyd West"	Showing		At least 84 m of 10-80% pyrite	Hogg (1974)

9.0 SURFICIAL AND BEDROCK GEOLOGY

For the 2015 work program, soil descriptions and photographs were taken at all MMI sampling sites and were used to make a surficial geological map for the northern part of the Property (Figure 5). Geological prospecting was done with the aim of identifying prospective structures and alteration, rather than just mineralization. Results are described below.

9.1 Surficial Mapping

The province-scale Quaternary geological map (Ontario Geological Survey, 1997) suggests a predominance of bedrock over surficial deposits on the Midlothian Property. Although this is probably true on a province-wide scale, the 2015 program found that most of the Property is covered in till (Figure 6A) with, at best, ≤5% of the terrestrial surface comprising outcrop. The drill hole database indicates that mean and median overburden depths on the Property are 5.3 m and 4.9 m, respectively, within a range of 0.6-11.9 m.

Soils collected on the Midlothian Property can be subdivided into five main types based on their colour, organic content and/or silt to clay ratio (Figure 6B-6H). In order of relative abundance, these soils include: (1) brown silt, (2) rusty brown silt, (3) grey-brown silt ± clay, (4) grey clayey silt ± clay and (5) dark brown silt (Table 5). The distribution of “browner” (brown, rusty brown, dark brown) and “greyer” (grey, grey-brown) soils is shown on Figure 5, which appears to show a fairly expansive area of greyer soils in the western part that are associated with elevated exposures of metavolcanic and ultramafic-mafic intrusive rocks. The central and eastern parts of the survey area are covered mostly by browner soils that are underlain by the Timiskaming and Gowganda metasedimentary units. Narrow east-northeast trending bands of greyer soil cut through the brown soils, and were possibly washed down higher elevations. Each of the five main soil types is described in more detail below.

Brown silt comprises 44% of all the samples that were taken (Figure 6B). Relative to the other soil types it is dry and devoid of both clay and organics. It also contains sub-rounded to rounded pebble to boulder-sized clasts of various rock types (Figure 6C), consistent with the interpretation that it is a till. Brown silt is equally developed over all major bedrock units on the Property and tends to be somewhat more abundant at higher to moderate elevations.

The rusty brown, grey-brown and grey soils types are about equally abundant, comprising between 15-20% of the collected samples. Rusty brown silt is gradational with brown silt and is similarly dry as well as clay- and organic-poor (Figure 6D). It appears to be somewhat preferentially developed over Unit 6 (Timiskaming metasedimentary rocks) in the northern part of the Property, and so contains a higher proportion of locally-derived Timiskaming clasts relative to the brown silt unit.

Grey-brown (Figure 6E) and grey (Figure 6F, 6G) silts are somewhat wetter and more clay-rich than the brown and rusty brown silts, with 30% of grey-brown and grey soils described as moist or wet and 20-25% of them described as clay-bearing. They grey clayey silt unit appears to be preferentially developed over units 4, 7, and 8 (meta-dacite, mafic-ultramafic intrusions) and within the lower-lying wet areas over top of Gowganda Formation. These relations suggest that grey clayey silt is derived from bedrock weathering whereas the grey-brown soils are then mixtures of bedrock-derived sediment and till.

Table 5: Features of the five main soil types

Soil Type	N	Soil Characteristics			Underlying Bedrock						Physiography
		Dry	*Clay?*	*Orgnc?*	*Gowg*	*Timisk*	*UM*	*M*	*Meta-dac*	*Other*	
Brown silt	138	96%	0%	0%	33%	26%	4%	1%	32%	4%	High to moderate elevation
Rusty brown silt	62	97%	0%	0%	39%	39%	2%	3%	16%	2%	
Grey-brown silt	57	68%	18%	7%	40%	26%	2%	2%	25%	5%	Lower elevations, stream valleys
Grey clayey silt	46	72%	26%	4%	2%	15%	13%	11%	54%	4%	
Dark brown silt	8	50%	13%	25%	38%	13%	13%	0%	38%	0%	Thick organic

Abbreviations for soil characteristics: Orgnc = Organics
Abbreviations for underlying bedrock: Gowg = Gowganda, Timisk = Timiskaming, UM = ultramafic, M = mafic, dac = dacite

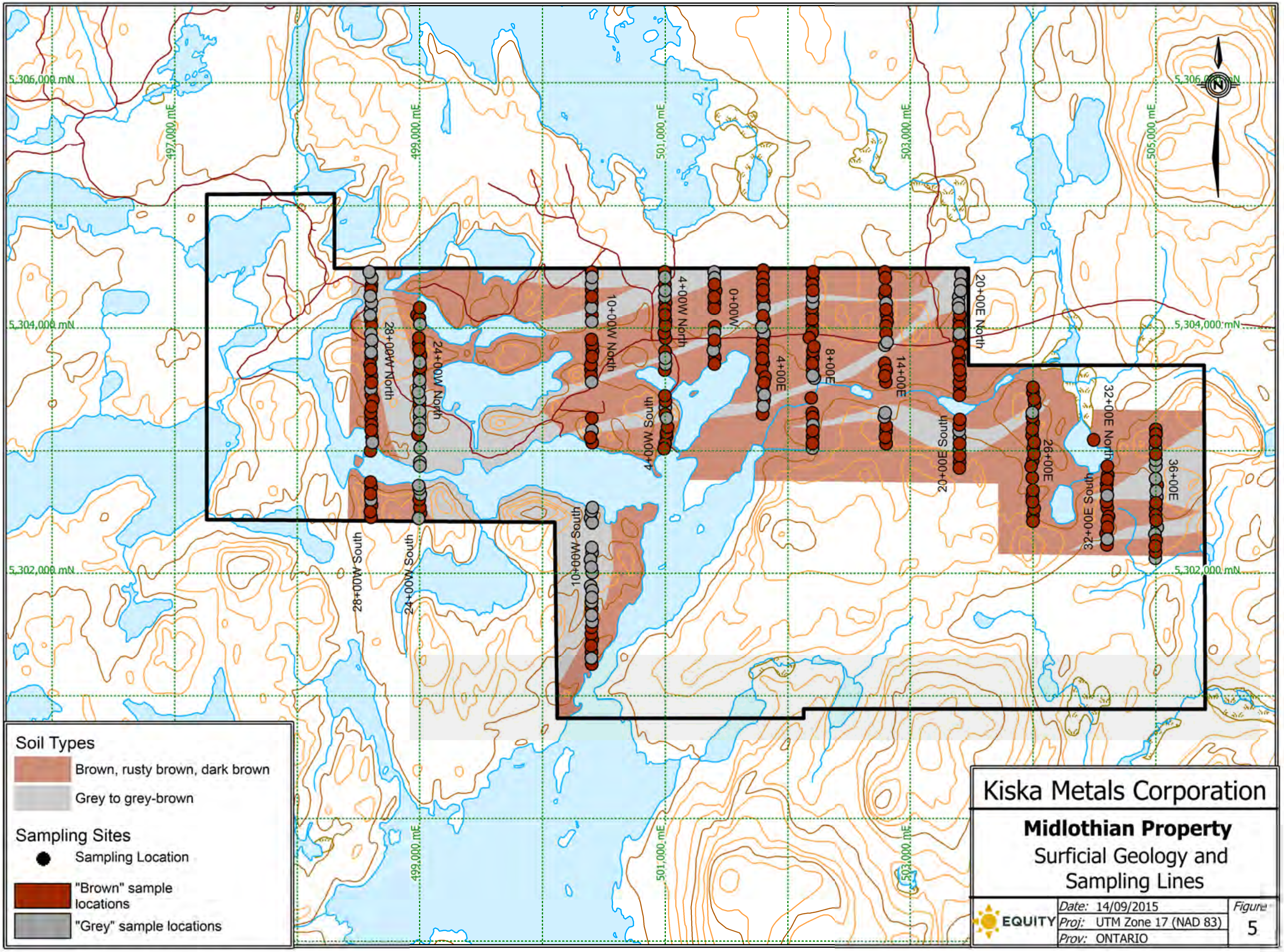

5,306,000 mN
5,304,000 mN
5,302,000 mN
497,000 mE
499,000 mE
501,000 mE
503,000 mE
505,000 mE
N
28+00W North
24+00W North
10+00W North
4+00W North
0+00W
4+00E
8+00E
14+00E
20+00E North
20+00E South
26+00E
32+00E North
32+00E South
36+00E
4+00W South
10+00W South
28+00W South
24+00W South
Soil Types
Brown, rusty brown, dark brown
Grey to grey-brown
Sampling Sites
Sampling Location
"Brown" sample locations
"Grey" sample locations
Kiska Metals Corporation
Midlothian Property
Surficial Geology and Sampling Lines
EQUITY
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure
5

Figure 6: Field photos from the Midlothian Property showing (A) typical soil-sampling environment, (B) pit of brown silt, (C) mechanically aggregated pebbles and cobbles in a gravel pit, (D) rusty brown silt, (E) grey-brown silt, (F) pit of grey clayey silt, (G) grey clayey silt and (H) dark brown organic-rich soil.

The least abundant soil type is dark brown silt (Figure 6H), of which only eight samples were taken (2.5% of all samples). Dark brown silt is moist and wet relative to other soil types and also contains a higher proportion of organic material, which is the most likely source of the darker brown colour. These soils are interpreted as organic-rich tills.

9.2 Geological Prospecting

Four days of geological prospecting were undertaken with the aim of identifying structures, alteration zones and additional mineralization (Figure 7 in Appendix I). A total of 34 samples were collected and submitted along with three analytical standards, for a total of 37 (Table 6). Outcrops are generally sparse, low and rounded (Figure 8A). The highlights of this program include the determination of an orientation for the Bjorkman Vein, documenting outcrop evidence for at least one structural splay off the LLCDZ and discovery of a very hard silicified ultramafic boulder, with weakly anomalous gold, at the edge of the United open pit.

The Bjorkman Vein is a visible gold-bearing quartz vein that was discovered in 2013 (Bjorkman, 2014) and is hosted in highly magnetic ultramafic-mafic rocks, making it difficult to determine its orientation. Rather than using a compass, the 2015 program used landmarks and topographic maps to approximate an orientation of 165°/65° E for this Vein. The same method was used to estimate that a chrysotile-rich shear zone, located 80 m east-southeast of the Bjorkman Vein, has a broadly similar orientation at 180°/65° E.

A traverse was conducted along shoreline outcrops located 150 m north of the Bjorkman Vein, with the hopes of finding a corridor of veins and/or an altered structure that could point to larger-scale mineralization. Two 50-60 cm wide zones of 2-3% quartz + carbonate veins (Figure 8B) occur along trends of 135°-160° relative to the Bjorkman Vein, suggesting they may comprise part of the same fluid corridor. Besides these narrow zones, however, no larger-scale structural or alteration systems were found.

A flat outcrop of strongly sheared ultramafic rock occurs along the Asbestos Road at UTM coordinate 498571 m east and 5304178 m north. This outcrop consists of rounded greenish-grey meta-dacite blocks, up to 40 cm in diameter, hosted within a darker and strongly foliated ultramafic matrix striking 086° (Figure 8C). Foliation wraps around the volcanic block, suggesting it was rotated under shear stress. The orientation of this deformation fabric is parallel to LLCDZ splays that are interpreted to track 200 m north and 400 m south of this outcrop.

Table 6: Summary of rock samples

Rock Type	Unit	N	Mineralization	Alteration	Veining	Comments
Qtz-ank vein	Gowganda (Unit 12)	2	-	-	100% qtz-cb	Hosted in Unit 12
Quartzite		2	0.1-0.5% py	± cb	-	
Gabbro	Matachewan (Unit 11)	1	1% py	-	-	
Ultramafic	Ultramafic (Unit 7)	2	0.1% py	srp	5% qtz-cb	Trace of Bjorkman Vein?
		1	0.5% mag	srp, ctl, mgs	1% mag	Trace of Bjorkman Vein?
Ultramafic	Unit 1 or 7?	1	0.5% mag	qtz, fuc, ep	-	Boulder
Conglomerate	Timiskaming (Unit 6)	14	0.1-1% py	± cb, hem	± 1-5% qtz-cb	
Meta-dacite, agglomerate	Tisdale (Unit 3)	5	0.1-1% py	qtz, chl, hem	<1% qtz-cb	
		3	0.1-0.5% py	cb, hem	5-10% qtz-cb	
		3	0.1% py	qtz, cb	qtz-cb flooding	Felsic-dacite contact
Standards	n/a	3	n/a	n/a	n/a	
Total		**37**				

Figure 8: Field photos from the Midlothian Property showing (A) typical outcrop, (B) qtz-cb veins in ultramafic, (C) sheared ultramafic, (D) qtz-cb vein in Gowganda quartzite, (E) light greenish-grey boulder, (F) qtz-cb veins in intermediate volcanic, (H) narrow shear zone in Timiskaming rocks, and (H) agglomerate subcrop.

Another traverse was conducted near the contact zone between the felsic (Unit 4) and meta-dacite (Unit 3) units of Préfontaine and Robichaud (2013), since previous prospecting had returned some weakly anomalous gold values from this area. The 2015 traverse headed slightly further off the road and located several outcrops of meta-dacite with 10-20% quartz + carbonate veins, suggesting this contact zone was a locus for hydrothermal activity.

The largest quartz + ankerite vein was found within what appears to be a subcrop of Gowganda Formation, although the OGS map (Préfontaine and Robichaud, 2013) suggests this area is underlain by Timiskaming and minor Tisdale assemblages. Regardless, the vein is up to 10 cm wide and consists of 80-85% quartz and 15-20% ankerite; with no visible sulphide minerals (Figure 8D). The larger vein is flanked by several smaller veins that are 0.5-2 cm wide, with the overall orientation of all veins ranging from 190°-200°/55°-85° W.

A very hard, light greenish-grey, boulder about 40 cm in size (Figure 8E) was found at the edge of the United Asbestos Mine, near the shoreline of Lloyd Lake. Given the hardness and colour, the boulder was interpreted as strongly fuchsite-, silica- and epidote-altered ultramafic with 0.5% magnetite. No sulphide was noted and there were no other boulders of similar composition nearby.

More general traverses through the meta-dacite and Timiskaming metasedimentary units identified only a few features of interest. This includes a 20 cm quartz + carbonate vein network trending 178°/76° W within meta-dacite north of the United Mine (Figure 8F), a possible contact between Timiskaming and Gowganda sedimentary rocks that lies 300-400 m north of where it is mapped by the Ontario Geological Survey, 2-3 cm wide shear zone trending 065° (Figure 8G), and distinctive subcrops of volcanic agglomerate (Figure 8H).

10.0 GEOCHEMISTRY

This section summarizes the results of the 311 soil samples analyzed by MMI methods and 34 rock samples analysed by fire assay and ICP, all of which were taken as part of the 2015 Midlothian work program. The location of these samples is shown on Figure 7 (Appendix I). Results for the 37 QAQC samples (34 soils, 3 rocks) are discussed in Appendix H.

10.1 Soil Geochemistry

The following sections discuss the soil chemistry for a selected group of elements in terms of their relation to soil type and underlying bedrock, inter-element Pearson and rank correlations, background values and response ratios, and the anomalous areas that they form. Elements that are left out of the sections below include the rare earths (La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Er, Yb) and those usually not used as pathfinders for the deposit types of interest (e.g. Th, U, Cs, In, Li, Nb, Sn, Ta, Tl, Y).

10.1.1 Relation of major elements to surficial and bedrock units

Brown and rusty brown silts were found to contain relatively high concentrations of Al and P (Figure 9A-9D), with median concentrations of 241 ppm and 261 ppm respectively in comparison to 55 ppm and 204 ppm for grey and grey-brown soils (Table 6). Concentrations of P are also relatively high, within medians of 2.0 and 2.3 ppm in the brown and rusty brown soils in comparison to 0.6 ppm for grey. There are no statistically significant geochemical differences between the brown and rusty brown silts, further suggesting that they are likely the same soil type with, perhaps, slightly different Fe contents.

Grey soils are characterized by high concentrations of Mg, Ca and Sr relative to browner soils (Figures 9E-9H). In fact, the median concentration of Mg in grey soils (138 ppm) is higher than the maximum concentration of Mg in rusty brown silts, which is just 20 ppm. These results point to a fundamental difference between greyer and browner soils. Grey-brown soils contain a median concentration of 12 ppm Mg and 43 ppm Ca, which is in between the grey and brown end-members and thereby somewhat consistent with an interpretation that grey-brown soils are mixtures of grey and brown soil.

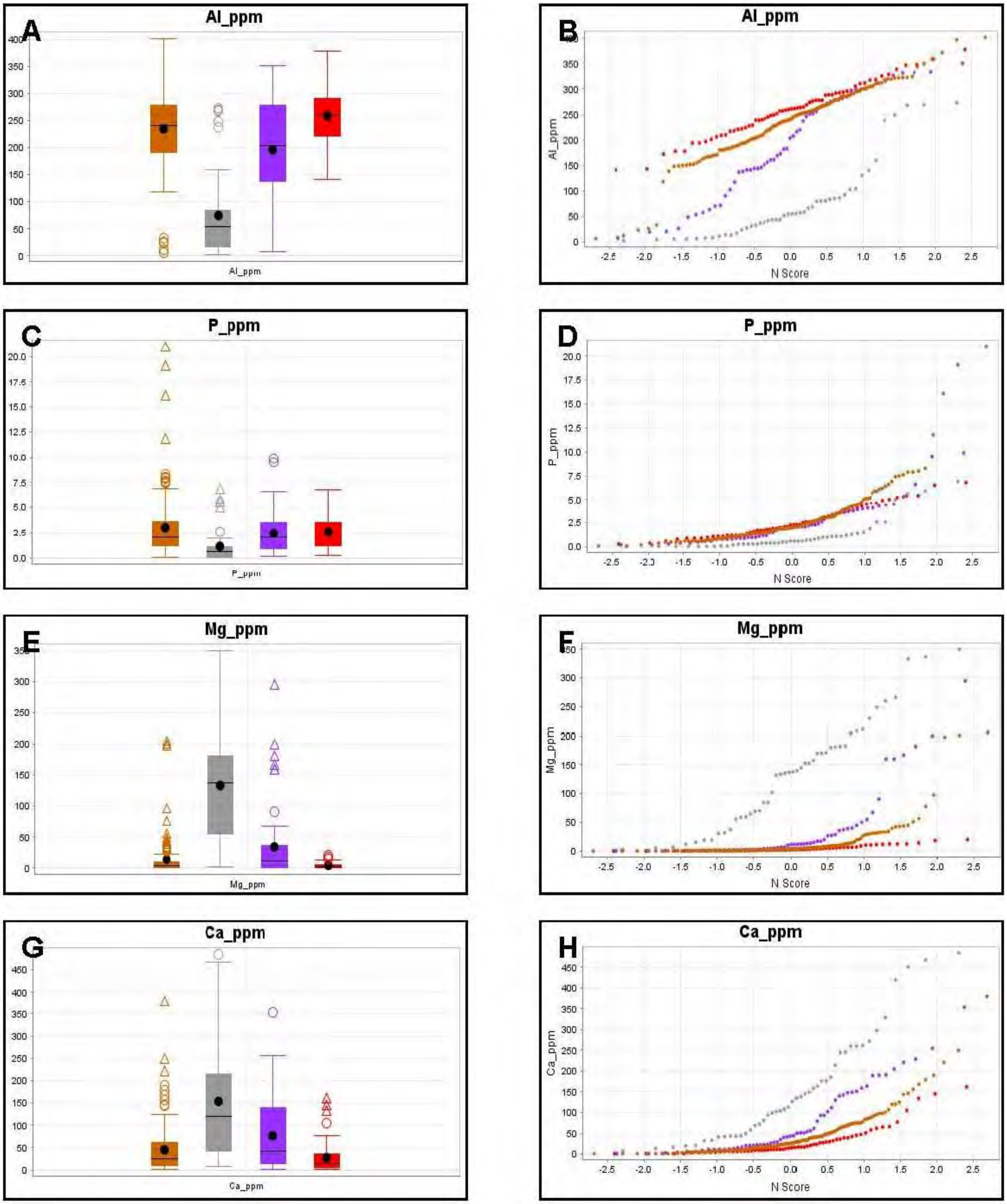


Figure 9: Box-and-whisker (A, C, E, G) and probability plots (B, D, F, H) for MMI samples grouped by soil type, showing (A, B) aluminium, (C, D) phosphorous, (E, F) magnesium and (G, H) calcium. Brown = brown soils, grey = grey soils, purple = grey-brown soils, red = rusty brown soils.

When plotted against underlying bedrock lithology, those soils overlying ultramafic and mafic intrusive units, and to a lesser extent the meta-dacite, tend to have higher Mg ± Ca, Sr and Ba (Figures 10A-10D). Soils overlying either one of the sedimentary units tend to have higher Al, Cs, Ga and possibly Ti (Figure 10E-10G). Concentrations of P are sub-equal in soils that overlie the meta-sedimentary and -dacitic rocks, and significantly lower within those overlying ultramafic and mafic intrusions (Figure 10H).

Two samples taken over top of felsic volcanic rock contain anomalously high median abundances of Fe (340 ppm) and Mn (8150 ppb) coupled with low concentrations of Mg (4.3 ppm) and P (1.3 ppm).

10.1.2 Precious metals, base metals and their path-finders

Gold-in-soil values are very low across the Property and, in fact, show significant overlap with the silica sand material that was used as "blank" (Appendix H). Values range from <0.1 ppb to 1.3 ppb and average just over 0.1 ppb for the entire dataset. The 75th percentile value is at the detection limit, whereas the 80th is equal to 0.2 ppb Au and the 95th percentile is 0.4 ppb. By comparison, the 17 samples of silica sand used as "blank" returned eight samples with 0.1-0.3 ppb Au and nine <dl. Grey and grey-brown soils have median values of 0.2 ppb and 0.1 ppb Au respectively, in comparison to <dl (i.e. <0.1 ppb) for brown, rusty brown and dark brown soils (Figure 11A). Fifteen of the 16 highest Au values occur within grey and grey-brown soils. Gold-in-soil also correlates with underlying bedrock, with those covering ultramafic rocks containing an average of 0.4 ppb Au in comparison to average of 0.2 ppb for meta-dacite and 0.1 ppb for all other units (Figure 11B).

Median Ni concentrations are significantly higher in the grey soils (2175 ppb) than the four other soil types (<840 ppb) (Figure 11C), consistent with its enrichment in Mg as well. Nickel concentrations are also anomalously elevated in soils that overlie mafic-ultramafic intrusive and meta-dacite (medians 1190-3410 ppb), and low in those soils overlying the sedimentary units (<440 ppb) (Figure 11D).

Median Cu abundances range between 285-365 ppb for four of the five main soil types but is markedly higher 660 ppb within dark brown soils, possibly because it is fixed by organic matter. However, 20 of the 23 samples that returned more than 1000 ppb Cu occur within grey or grey-brown soils (Figure 11E) with the remaining three found in dark brown (N = 2) and brown (N = 1) silts. There seems to be little correlation between Cu content and bedrock (Figure 11F), although the two samples taken over felsic metavolcanic show anomalously high concentrations (580-900 ppb Cu). Extremely high values of >5000 ppb Cu occur over Gowganda (N = 2) and mafic intrusive (N = 1) bedrock.

Silver appears to be preferentially concentrated into brown and rusty brown soils, which both have median concentrations of 7.9 ppb Ag in comparison to 3.7 ppb and 5.0 ppb for grey and grey-brown soils respectively (Figure 11G). Median concentrations in dark brown soils are even lower (2.0 ppb). These associations are also broadly reflected in the underlying bedrock, with soil developed over meta-sedimentary and -dacitic rocks containing higher median Ag (6.3-7.9 ppb) than that developed over mafic to ultramafic intrusives (1.8-3.3 ppb) (Figure 11H).

Median Pb concentrations are significantly higher in brown and rusty brown silts (222-240 ppb) relative to grey and grey-brown samples (78-157 ppb). However, grey-brown soils also contain the highest three recorded values, including an anomalously high 5250 ppb, so that the mean values among the different soil types are fairly similar (Figure 11I). There appears to be no correlation between Pb content and underlying bedrock (Figure 11J). The three values over 1000 ppb are associated with Gowganda (N = 2) and meta-dacitic (N = 1) bedrock, with one of the samples overlying Gowganda bedrock also showing extremely high Cu values (6960 ppb Cu).

Zinc concentrations appear to be somewhat higher in the brown and rusty brown soils (medians of 225, 280 ppb respectively) than the grey clayey silt (80 ppb), with grey-brown soils falling somewhat in between (200 ppb) (Figure 11K). The brown and rusty soils also contain the eight highest values (2730-9130 ppb).Relative to bedrock, Zn concentrations appear to be somewhat elevated in soils that overlie Gowganda and meta-dacitic rocks (medians of 310 and 225 ppb respectively) relative to the Timiskaming and mafic-ultramafic rocks (≤150 ppb). However, only the soils overlying mafic-ultramafic rocks lack values exceeding 1000 ppb whereas that covering Timiskaming has 10 samples (Figure 11L).

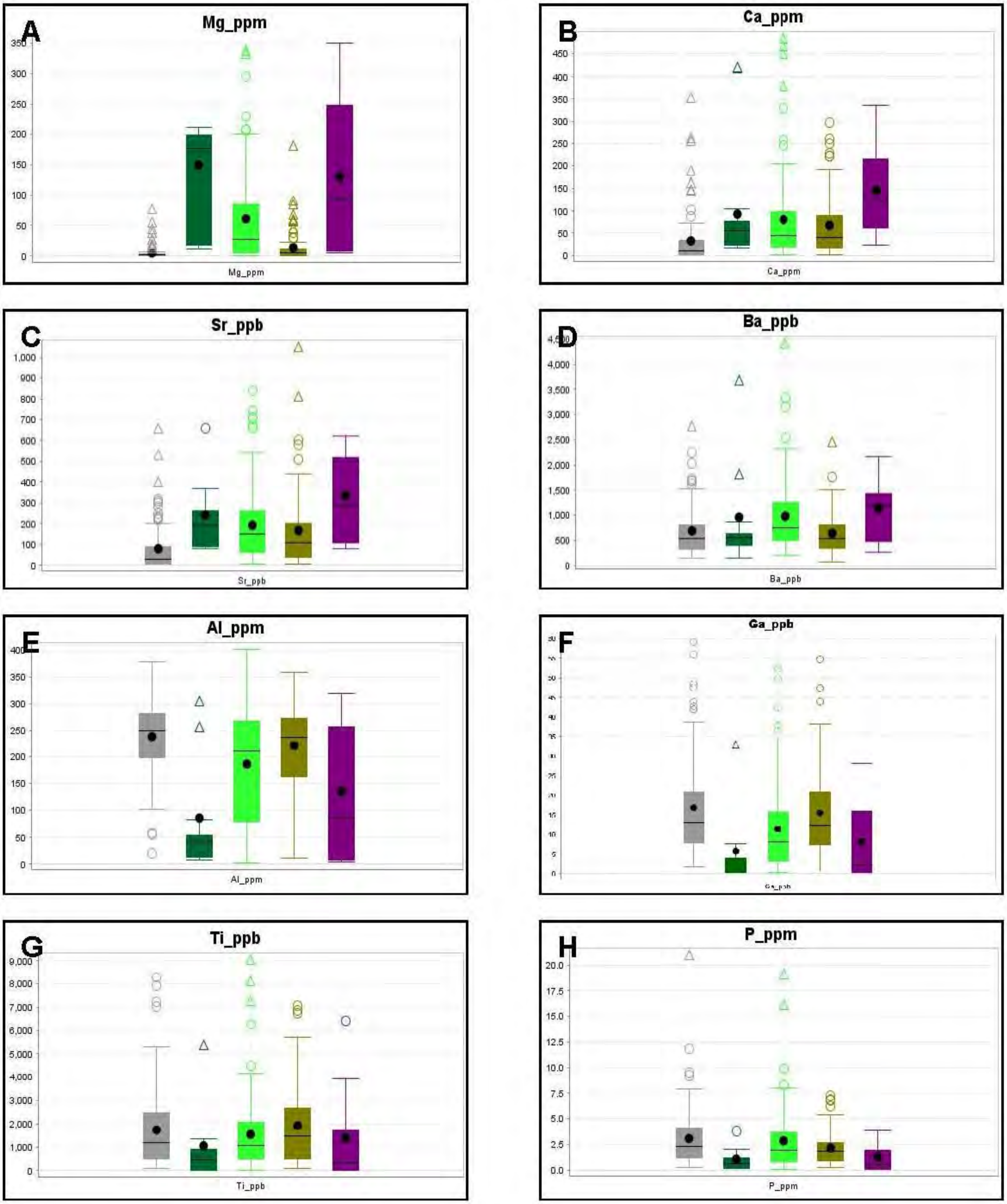


Figure 10: Box-and-whisker plots for MMI samples grouped by underlying bedrock, showing (A) Mg, (B) Ca, (C) strontium, (D) barium, (E) aluminium, (F) gallium, (G) Ti and (H) phosphorous. Grey = Gowganda, dark green = mafic intrusive, light green = intermediate metavolcanic, brown = Timiskaming, purple = ultramafic intrusive.

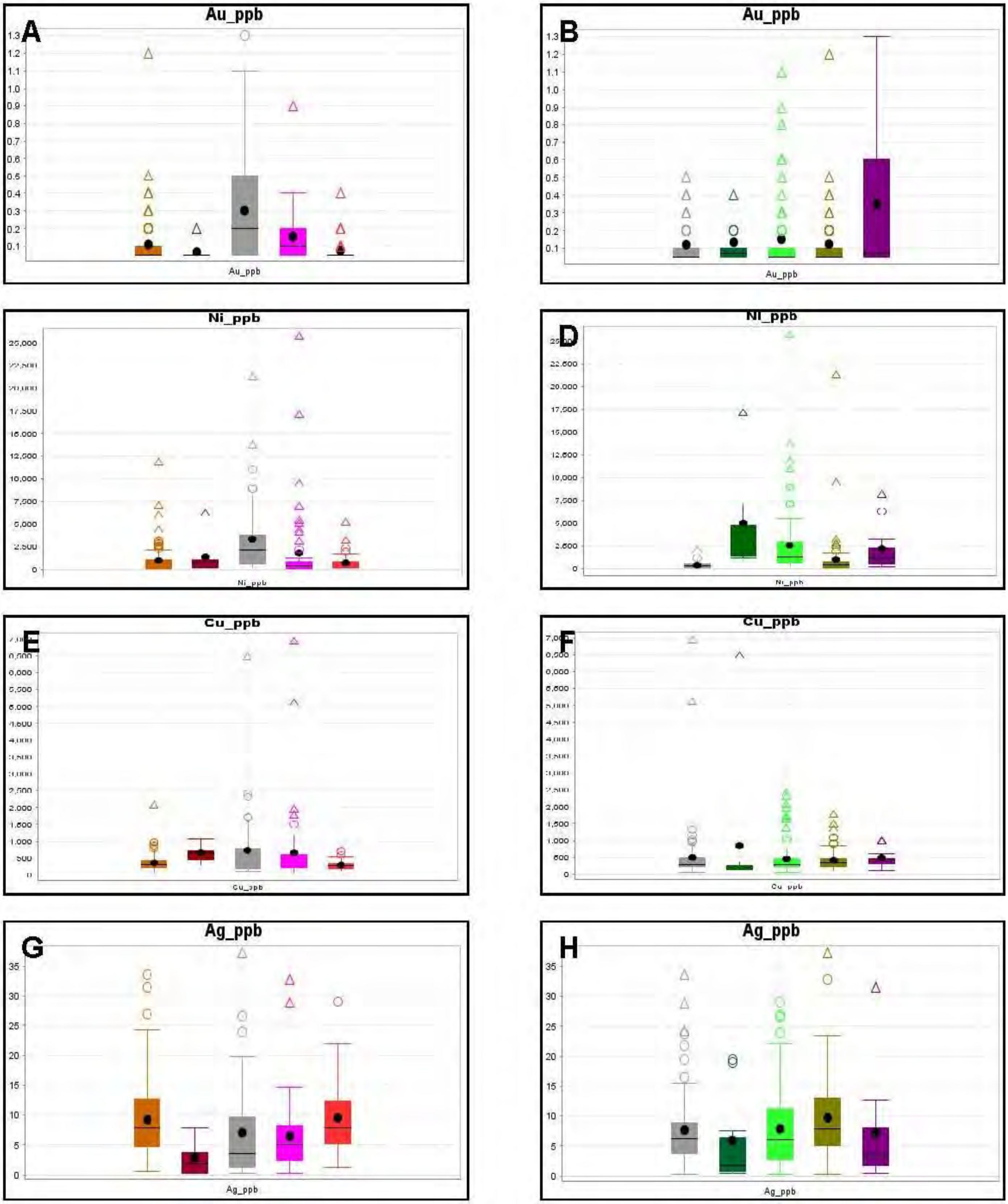


Figure 11: Box-and-whisker plots for MMI samples grouped by soil type (A, C, E, G) and underlying bedrock (B, D, F, H)), showing (A, B) gold, (C, D) nickel, (E, F) copper and (G, H) silver. Colour codes for soil type and bedrock are the same as Figures 9 and 10.

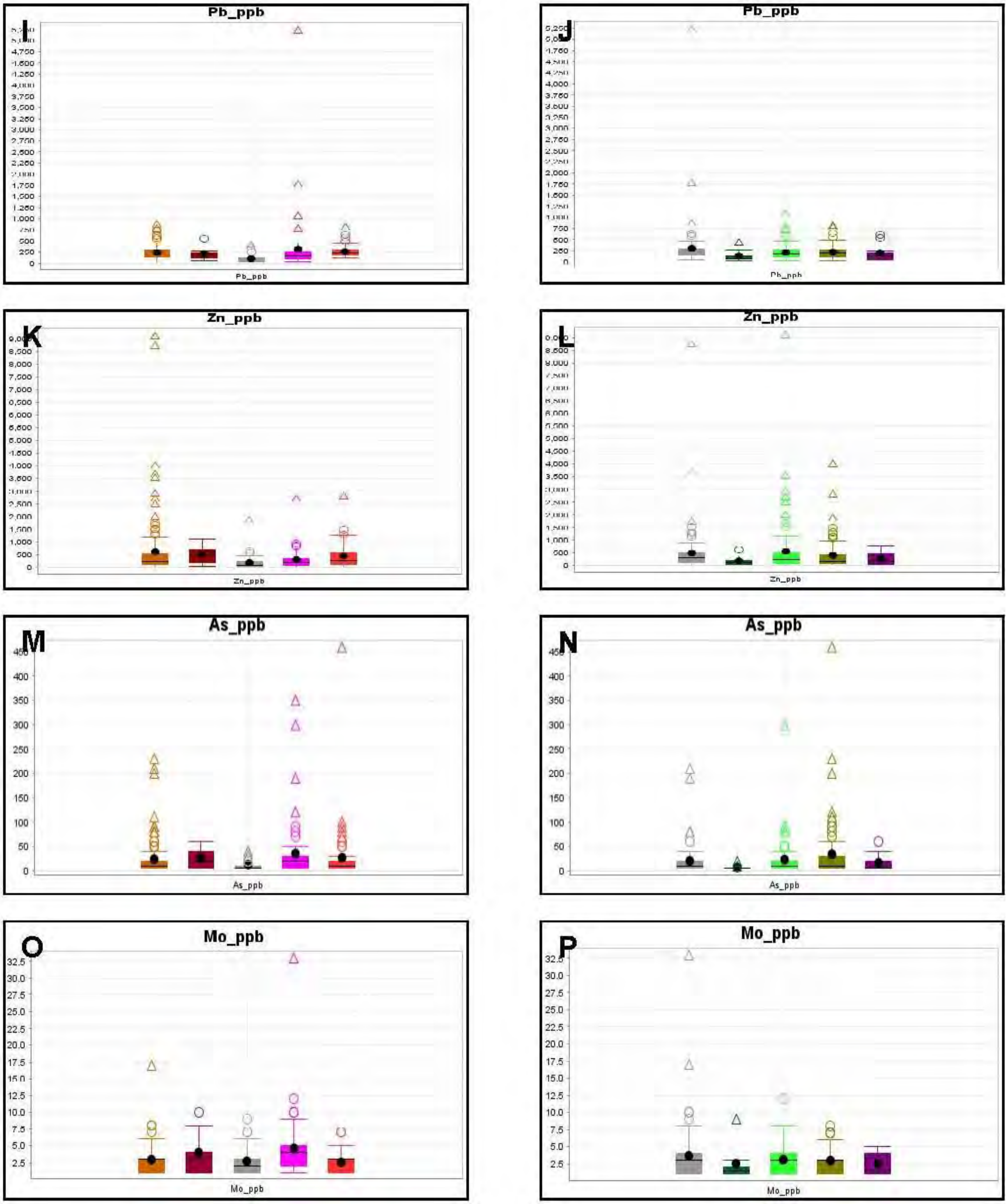


Figure 11 cont.: Box-and-whisker plots for MMI samples grouped by soil type (I, K, M, O) and underlying bedrock (J, L, N, P)), showing (I, J) lead, (K, L) zinc, (M, N) arsenic and (O, P) molybdenum. Colour codes for soil type and bedrock are the same as Figures 9 and 10.

Tellurium is associated with several orogenic gold deposits in the Kirkland Lake-Timmins area and is therefore an important path-finder for gold. Unfortunately, 305 of the 311 soil samples (98%) returned less than detection (10 ppb) for this element. Out of the six samples not below detection, four returned values at the detection limit and the remaining two returned 20 ppb Te. Five of these six samples occur in grey-brown soil overlying mafic metavolcanic.

The majority of bismuth analyses (72%) also lie at or near the detection limit (*dl*) of 0.5 ppb. Median concentrations are uniformly at or below the *dl* for all types of soil and most types of underlying bedrock. The only exception is the two samples taken over felsic metavolcanic, which returned a median of 0.9 ppb Bi.

Mercury contents are also mostly below or at detection, with 278 of the 311 samples (89%) returning ≤1 ppb Hg. Concentrations are uniformly low across all types of soil and underlying bedrock.

Arsenic contents are also generally low, with 56% of samples at or below the detection limit of 10 ppb and 74% returning ≤20 ppb. Most soil types show broadly similar median and maximum concentrations with the exception of grey soils, which has the lowest median (<dl) and no values exceeding 40 ppb As (Figure 11M). Median As concentrations also appear to be slightly higher in soils overlying metasedimentary rocks (Figure 11N, Table 7). The four samples taken over felsic (N = 2) and ultramafic (N = 2) metavolcanic show anomalously high medians of 190 ppb and 35 ppb respectively.

Mo contents are generally low, with 43% of samples coming in at or below detection (2 ppb) and 81% of the samples returning ≤4 ppb. Median contents within the five different soil types range from 2-4 ppb Mo, with grey soils showing the lowest (Figure 11O). Underlying bedrock control appears minimal (Figure 11P) although the two samples taken from soils overlying felsic volcanic contain 6 and 7 ppb Mo (Table 6), which fall within the 90^{th} to 95^{th} percentiles.

Antimony contents are also universally low, with 54% lying at or below the detection limit of 0.5 ppb and 83% of samples returning ≤1 ppb Sb. Median contents across the different soil types and underlying bedrock are mostly ≤0.6 ppb, with somewhat higher values in soils overlying metasedimentary units. The four samples that overlie felsic and ultramafic metavolcanic rocks returned median values of 0.7-0.8 ppb.

About half of the samples have Tungsten contents lying above the detection limit of 0.5 ppb. Median contents across the different soil types and underlying bedrocks mostly range from 0.5-0.9 ppb W, with the exception of dark brown soil (0.4 ppb) and soils overlying Felsic metavolcanic (1.3 ppb).

Only two of the 311 soil samples have Pt concentrations at or above detection (0.1 ppb), with both samples returning values of 0.1 ppb. Similarly, there is only one of 311 samples that contains Pd at or above the detection limit (1 ppb), with this one contain sample returning 1 ppb. This one sample is not one of the two samples that contain 0.1 ppb Pt.

Chromium contents are elevated in soils that overlie mafic-ultramafic intrusive and meta-dacitic rocks (200-700 ppb) and are lower within those overlying metasedimentary units (100 ppb). The difference is less marked for the soil types, with the median Cr content of grey soils (400 ppb) about twice that of all other soil types (Table 7).

Median Co concentrations are broadly similar for the five different soil types, ranging from 90-104 ppb (Table 6). More notable differences in median values appear to be related to underlying bedrock composition, with soils overlying sedimentary rocks having lower median Co (79-93 ppb) than those overlying meta-dacite and mafic intrusive units (110-176 ppb). However, this trend is bucked by the low median Co content of ultramafic intrusive (90 ppb) and the high outlying values that occur within both sedimentary units, including the highest single value of 1210 ppb Co from over Gowganda bedrock.

Scandium contents are fairly consistent across the brown, rusty brown and grey-brown soil types (medians of 38-44 ppb) and somewhat lower in grey and dark brown soils (25-31 ppb). Relative to underlying bedrock, Sc contents are somewhat lower in soils overlying the mafic-ultramafic intrusive and metavolcanic rocks (21-35 ppb) relative to those overlying metasedimentary units (>40 ppb), with many of the highest values occurring above the metasedimentary rocks as well.

Table 7: Median concentrations of selected elements within all samples and sample subsets

Group	Count	Ag (ppb)	Al (ppm)	As (ppb)	Au (ppb)	Ba (ppb)	Ca (ppm)	Co (ppb)	Cr (ppb)	Cu (ppb)	Fe (ppm)	Ga (ppb)
All data	311	6.9	231	10	0.1	600	32	94	200	310	74	10.8
Soil colour												
Brown	138	7.9	241	10	0.1	595	26	90	200	320	68	11.1
Dark brown	8	2.0	232	20	0.1	475	30	96	200	660	152	17.5
Grey	46	3.7	55	5	0.2	665	120	102	400	365	36	2.25
Grey brown	57	5.0	204	20	0.1	650	43	98	200	290	98	16
Rusty brown	62	7.9	261	10	0.1	625	15	104	200	285	76	11.8
Underlying bedrock												
Gowganda	97	6.3	251	10	0.1	540	11	79	100	300	76	13.1
Mat dyke	9	10.9	249	5	0.1	450	19	53	50	260	54	11.6
Timiskaming	83	7.9	237	10	0.1	540	40	93	100	340	77	12.4
Mafic intrusive	10	1.8	42	5	0.1	550	56	176	700	210	37	2.35
UM intrusive	12	3.3	86	5	0.1	1195	124	90	200	410	40	2.15
Meta-dacite	96	6.1	211	10	0.1	750	44	110	300	290	70	8.05
Felsic metavol	2	7.6	163	190	0.3	710	115	183	150	740	340	9.7
UM metavol	2	8.7	201	35	0.1	805	152	84	225	210	64	22.5

Group	Count	Mg (ppm)	Mo (ppb)	Ni (ppb)	P (ppm)	Pb (ppb)	Rb (ppb)	Sb (ppb)	Sc (ppb)	Ti (ppb)	W (ppb)	Zn (ppb)
All data	311	5.1	3	524	1.9	189	75	0.5	39	1150	0.6	210
Soil colour												
Brown	138	3.8	3	476	2.1	223	90	0.6	41	1095	0.5	225
Dark brown	8	8.9	3	839	4.6	175	54	0.5	31	1210	0.4	460
Grey	46	137.5	2	2175	0.6	78	50	0.3	25	450	0.6	80
Grey brown	57	11.6	4	394	2.0	157	75	0.6	44	1790	0.9	200
Rusty brown	62	2.2	3	463	2.3	241	78	0.3	38	1250	0.6	280
Underlying bedrock												
Gowganda	97	1.5	3	292	2.3	228	86	0.5	41	1200	0.5	310
Mat dyke	9	2.3	1	333	1.5	192	87	0.3	47	910	0.3	240
Timiskaming	83	5.0	3	432	1.8	203	76	0.6	42	1460	0.6	150
Mafic intrusive	10	176.5	2	3410	0.6	74	34	0.3	21	455	0.7	120
UM intrusive	12	93.6	2	1190	0.5	135	49	0.3	35	355	0.8	150
Meta-dacite	96	27.5	3	1345	1.9	174	74	0.3	33	1050	0.6	225
Felsic metavol	2	4.3	7	281	1.3	103	45	0.7	28	1705	1.3	60
UM metavol	2	11.9	3	548	2.4	152	104	0.8	39	1835	0.7	475

Abbreviations: Mat = Matachewan, UM = ultramafic, dac = dacite, metavol = metavolcanic

Median barium contents range from 595-665 ppb across the brown, rusty brown, grey brown and grey soils, but contain a somewhat lower median abundance of 475 ppb within dark brown soils. Underlying bedrock composition appears to have some control, with median concentrations above sedimentary units relatively low (540 ppb) and those above metavolcanic units somewhat higher (710-805 ppb). The highest median contents are found above ultramafic intrusive rocks (1195 ppb).

10.1.3 Inter-element correlations

Correlation coefficients were calculated for 27 selected elements across all 311 samples as well as for sub-sets of soil type and underlying bedrock. Mafic and ultramafic bedrock was dropped from the analysis because the sample set is too small, resulting in a large number of correlations. The "positive" or "negative correlations" described below have Pearson's (*r*) or rank (*ρ*) correlation coefficients that are >0.55 or <-0.55.

Gold does not generally correlate with any other elements (Table 8), with the only exceptions comprising a positive Pearson correlation with Sb within soils overlying Gowganda bedrock and negative Pearson and rank correlations with aluminium in soils over top of metavolcanic. The lack of correlation is likely due to its generally low abundance.

Nickel shows a positive *r* and *ρ* with Mg across all samples and in nine of 10 sub-sets, as well as a positive rank correlation with Cr (Table 8). These correlations likely reflect a mafic-ultramafic association. Positive correlation of Ni and Co occurs above metavolcanic (*r* and *ρ*) and Timiskaming (*ρ*) bedrock whereas positive correlation with Ca and Sr occurs in brown soils (*ρ*) and above Gowganda bedrock (*ρ*). Nickel also shows a positive rank correlation with Co-Mn-Sb in soils overlying Timiskaming sedimentary rocks, which is consistent with the moderate to high concentrations of all these elements within this unit (see Section 10.2).

Copper shows a positive *r* with Ca and Mo across all samples (Table 8), although the rank correlation coefficients range from just 0.29-0.38. Positive Pearson correlation of Ca and Mo also occurs in the grey soil and the Gowganda subsets, whereas Ca and Sr show a positive correlation with Cu in soils overlying metavolcanic. The origin of the positive correlation between Cu-Mo and Cu-Ca ± Sr is speculative but could be from Cu-bearing minerals associated with molybdenite and carbonate. Soils overlying Gowganda rocks show a positive *r* between Cu and Mg whereas those overlying Timiskaming rocks show Cu correlated with Sc (*ρ*), both of which could reflect an ultramafic to mafic association.

Table 8: Summary of Pearson (*r*) and rank (*ρ*) correlation coefficients all samples and sample subsets

Element	All Samples	Soil types		Underlying bedrock		
		Brown	*Grey*	*Gowganda*	*Timiskaming*	*Meta-dacite*
Ag	-	-	-	-	-	-
Au	-	-	-	± Sb	-	(Al)
As	Fe, Sb	Fe, Sb, Zr ± Co, Cr, Ti	Sb ± Fe	± Fe, Zr, Cr	Fe, Sb, Cr ± Co, W, Zr	Sb ± Fe, P, Zr, Sb, Ti, Sc
Ba	-	± Cr, Fe, P, Ti, Zr	-	Cr ± Mg, W, Zr	-	-
Co	± Cr, Mn	Cr ± As, Fe	± Mn	Mn	± Cr, Ni + 6 others	Ni ± Mn, Cr
Cr	± Co	Co ± Ni, Ti + 7 others	± Ni	Ba, Fe, Ti ± Ni, As, P, Zr	As, Fe, P, Ti, Sc, Zr ± Co, Sb	± Co, Ni
Cu	± Ca, Mo	-	± Ca, Mo	± Ca, Mo, Mg	± Sc	± Ca, Sr
Mo	± Cu, Zr	Zr, Ti ± Mn, Sb	± Cu	± Cu, Zr, Ca	Ti, Zr	-
Ni	Mg ± Cr	Mg ± Ca, Cr, Sr	Mg ± Cr, (Ga)	Mg ± Ca, Cr, Sr	± Mg, Co, Mn, Sb	Mg, Co ± Cr
Pb	-	-	± Al	-	±Al	± Al + 6 others
Sb	As	As ± Cr, Mn, Sc, Zr	± As	-	As ± 7 others	As ± Zr
Sc	Zr	Zr ± M, Mo, Sb	Zr	± Zr	Zr, Cr ± Cu, Sb	Zr ± 5 others
W	± Ti, Zr	Zr, Ti ± Fe, Mo, W	Zr	Fe, Ti, Zr ± As, Ba, Mo, Cr, W	Mo, Ti, W, Zr	± Ti, Zr
Zn	± Cd, P	± Cd, P	± Cd, P	± Cd	± Cd, P, Co	± Cd, P, K

*elements listed before ± sign show |*r*| *and* |*ρ*| >0.55; elements listed after ± sign have only one of |*r*| or |*ρ*| >0.55.
**elements listed in parentheses (e.g. (Al)) show negative correlation; those listed with no parentheses show positive correlation

Silver does not correlate with any of the selected elements (Table 8).

Lead is also generally lacking in correlations with other elements, although it does show positive correlation with Al in grey soils (*ρ*) as well as those soils overlying Timiskaming (*r*) and meta-dacitic (*ρ*) bedrock (Table 8). The correlation between Pb and Al could reflect their presence in clays. Lead also shows positive correlation with K (*r*), Ga, P, Ti, Sc and Zr (*ρ*), some of which could also be related to increased clay content.

Zinc shows a positive *ρ* with Cd and phosphorous across all samples whereas *r* is also somewhat elevated, measuring 0.45 for Zn-Cd and 0.34 for Zn-P. Positive *ρ* for Zn-Cd also occur in every single subset whereas *r* <0.55 but still reasonably high, ranging from 0.46-0.54. The positive correlation between Zn and P also occurs across most sub-sets, including brown (*ρ*) and grey (*r*) soils as well as soils overlying Timiskaming and metavolcanic bedrock (*ρ).* Zn and Cd are positively correlated in many geological environments whereas the Zn-P correlation is more unusual. Zinc also shows a positive correlation with Co (*ρ*) above the Timiskaming bedrock and with K (*ρ*) above meta-dacite.

Arsenic is among the most strongly correlated of the elements in this data set, showing positive Pearson and rank correlation with Fe and Sb across all samples and most of the subsets. This association could have a hydrothermal origin since all three of these elements are mobile in such solutions. Positive correlations are also shown between As and Zr in brown soils (*r* and *ρ*) as well as over top of Gowganda (*r*), Timiskaming (*r*) and metavolcanic (*ρ*) bedrock. Chromium shows positive correlation with As in brown soils (*ρ*) and above Gowganda (*ρ*) and Timiskaming (*r* and *ρ*) bedrock. The As-Cr correlation is consistent with lithogeochemical results (Section 10.2) whereas the As-Zr is more difficult to explain.

Molybdenum shows a positive *r* with Cu across all samples (*ρ* = 0.38) and a positive *ρ* with Zr (*r* = 0.49), possibly reflecting a "granitic" type Cu-Mo association within either the underlying bedrock or granitoid boulders hosted in the till. Positive correlation with Ti occurs in brown soil (*r* and *ρ*) and those soils overlying Timiskaming bedrock (also *r* and *ρ*).

Tungsten shows positive *r* with Ti and Zr across all samples and across seven of the 10 sub-sets as well, with an additional two subs-sets showing just correlation between W-Zr (Table 8). The correlation between W-Zr could be a "granitoid" signal whereas the origin of the W-Ti correlation is unclear. Additional correlation is shown between W-Mo in brown soils (*r*) and above metasedimentary rocks (*ρ* and/or *r*).

Antimony shows positive *r* and *ρ* with arsenic across all samples and in seven of the 10 subsets, possibly reflecting their high concentrations in metasedimentary bedrock (Section 10.2) or some sort of hydrothermal concentration. Positive correlation also occurs with Mn in brown silts (*ρ*) and within soils overlying Gowganda (*ρ*) and Timiskaming (*ρ*) bedrock, which is also consistent with lithogeochemistry (Section 10.2). Also consistent with lithogeochemistry are the positive *ρ* for Sb-Cr and Sb-Sc over Timiskaming bedrock and, presumably in brown soils. Positive rank correlation for Sb-Zr in brown silts, as well as over Timiskaming and metavolcanic bedrock, however, is inconsistent with lithogeochemistry and hydrothermal processes, with the latter typically not concentrating Zr.

Across all 311 samples, cobalt shows a positive *r* with Mn (*ρ* = 0.50) and a positive *ρ* with Cr (*r* = 0.51), with these elements each showing positive correlation in four of 10 subsets as well. The close association of these three elements relates closely to the lithogeochemistry of underlying bedrock (Section 10.2). Co also shows positive correlation with Ni (*ρ*), As (*r*) and Fe (*r*) in soils overlying Timiskaming bedrock (and brown soils), which is clearly consistent with lithogeochemical data. A positive correlation between Ni and Co (r and ρ) over metavolcanic bedrock is more suggestive of a mafic-ultramafic source.

Chromium shows a positive *ρ* with Co across all samples (*r* = 0.51) and four of the 10 subsets, in addition to numerous positive correlations in soils overlying the metasedimentary units (As, Fe, Ni, P, Ti, Zr) and brown soils too. Rank correlations in the brown soil subset are particularly numerous, with Cr showing positive *ρ* with As, Ba, Co, Fe, Mg, Ni, P, Ti, Sb and Zr. Other subsets showing ≥4 elements that are positively correlated to Cr include those soils overlying Gowganda (Ba, Fe, Ti ± As, Ni, P, Zr) and Timiskaming (As, Fe, P, Ti, Sc, Zr ± Co, Sb) bedrock. Many of these correlations are consistent with the lithogeochemistry of the two metasedimentary units, which have moderate to high concentrations of As, Cr, Co, Fe, Ni, P, Ti, Sb and Sc. The origin of Zr-enrichment, however, is less obvious.

Scandium shows a positive *r* and *ρ* with Zr across all samples and in 11 of 12 subsets, comprising one of the most consistent correlations in the data set. A possible geological source for correlated Sc-Zr is granite boulders hosted within the till. Sc also shows positive *r* and *ρ* with Cr in soils overlying Timiskaming bedrock, which is consistent with lithogeochemistry (see Section 10.2).

Barium generally lacks correlation with other elements, with positive associations limited to three subsets with Cr and two subsets with Zr. Positive correlations between Ba and Cr/Zr occur in brown silts (*r*) and in soils overlying Gowganda bedrock (*r* and *ρ*). These correlations may reflect surficial rather than geological processes since Cr and Zr, especially, tend to occur in different geological environments. The Ba-Zr association, however, could be related to granitoid rocks.

10.1.4 Response ratios

Response ratios are calculated by dividing the analytical result for each element by a background value specific to that element. The background values can be estimated in at least two different ways by, for example, simply choosing a percentile value as the background or using the first significant inflexion point on a probability plot. Here we use the 30th percentile to calculate background across all samples ("universal") and within several subsets of ≥20 samples that are split by soil type and underlying bedrock (Table 9). Ratios of ≥10 are considered to be anomalous.

Table 9 shows that some of the background values are fairly consistent across the sub-sets (e.g. As, Au, Ba, Co, Cu, Sb) whereas others are less so (e.g. Ag, Cr, Mo, Ni, Pb, Zn). The threshold for separating consistent from variable background values was taken by calculating the percent difference with the universal background value and then averaging these differences for the "soil type" and "underlying background" sub-groups. Sub-groups with an average percent difference of ≥25% for their constituent background values were levelled with the background value unique to each soil type, underlying bedrock or both (i.e. see "Levelled?" column in Table 9).

Response ratios for gold are generally low, with 86% of those showing response ratios of ≤4. Only 17 samples (5%) have response ratios ≥10, with 13 of these occurring in grey soil overlying meta-dacitic or mafic-ultramafic bedrock. These 17 samples define four multi-sample anomalies and two point anomalies that are shown in Figure 12A.

Table 9: 30th percentile values for all samples and sample subsets

Element	All samples	Soil type				Underlying bedrock				Levelled?
		Brown	*Grey*	*Gr brown*	*Ru brown*	*Gowg*	*Meta-dac*	*Timisk*	*UM-M*	
Ag (ppb)	4.5	5.3	1.9	3.4	6.5	4.5	3.7	5.8	1.7	Soil & bedrock
As (ppb)	5	5	5	5	5	5	5	5	5	No
Au (ppb)	0.05	0.05	0.08	0.05	0.05	0.05	0.05	0.05	0.05	No
Ba (ppb)	450	450	510	488	390	388	540	370	519	No
Co (ppb)	59	59	50	54	73	55	76	58	82	No
Cr (ppb)	100	100	75	100	50	50	200	100	190	Bedrock only
Cu (ppb)	240	240	235	240	220	230	240	256	210	No
Mo (ppb)	2	2	1	3	1	2	2	2	1	Soil only
Ni (ppb)	303	305	939	220	280	194	799	267	1039	Soil & bedrock
Pb (ppb)	133	152	53	98	191	159	119	137	69	Soil only
Sb (ppb)	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	No
W (ppb)	0.25	0.25	0.25	0.58	0.25	0.25	0.25	0.25	0.25	No
Zn (ppb)	110	120	50	80	150	156	120	80	59	Soil & bedrock

Abbreviations for soil type: Gr = grey, Ru = rusty
Abbreviations for underlying bedrock: Gowg = Gowganda, dac = dacite, Timisk = Timiskaming, UM-M = ultramafic-mafic

Nickel concentrations in grey clayey soils, as well as soils overlying meta-dacitic and mafic-ultramafic rocks, have 30th percentile values of 939, 799 and 1039 ppb respectively, in comparison to 194-305 ppb for all other subgroups. The data was therefore levelled in order to prevent the Ni anomaly map from simply reflecting the soil type and/or underlying bedrock composition. The resultant bedrock-levelled Ni anomalies occur across the meta-dacite to Timiskaming and Timiskaming-Gowganda contact zones (Figure 12B). There are also a few point anomalies of extremely high values within the meta-dacitic and mafic-ultramafic units. Levelling by soil type yields more Ni anomalies overlying meta-dacitic and ultramafic-mafic bedrock.

Copper response ratios are generally low, with just four of the 311 samples returning a response ratio (RR) ≥10. Two of these samples occur just west of the United open pit, near four other samples that have response ratios of 7-10 (Figure 12C).

Universal response ratios for silver are <10 whereas levelling by soil type and underlying bedrock yields seven ratios ≥10. Five of these samples occur along and just north of the largest mafic-ultramafic intrusion on the Property whereas the two other samples occur around the contact between Timiskaming and meta-dacitic rocks (Figure 12D). The latter two samples are associated with a number of other samples that have response ratios of 4-10.

The range of Pb response ratios is somewhat similar to Ag, with just two of the universal response ratios exceeding 10 and just three of those levelled by soil type. Each of these elevated ratios forms a point anomaly that, in this case, is nowhere near the others (Figure 12E).

Zinc concentrations were levelled by soil type and bedrock to limit the predominance of anomalies in brown soils and in those soils that overlie Gowganda and meta-dacitic bedrock. The levelled anomalies still predominate over these bedrock units but extend over Timiskaming bedrock as well (Figure 12F).

Arsenic response ratios include 39 samples that have values ≥10. These samples define fairly broad areas of As-enrichment over the contacts between the Gowganda and Timiskaming metasedimentary units as well as Timiskaming and meta-dacitic rocks (Figure 12G). A smaller anomaly in the north part of the Property trends northwest, across the meta-dacite and into felsic metavolcanic.

Molybdenum values are generally low, ranging from <2 pp to a maximum of 33 ppb, and returned only one sample with a response ratio ≥10, even in the levelled data. This one anomalous sample occurs on the eastern-most line (Figure 12H) and in association with several other high response ratios (Au, Cu, Pb, Zn, As, Co, Cr, Sb) on the so-called Lakoma East Gold anomaly (see Section 10.1.5).

Tungsten concentrations also show a narrow range, from <0.5 ppb to 5 ppb, and returned just three samples with a response ratio ≥10. All three of these samples occur over the Gowganda metasedimentary rocks and the highest single value occurs within the Lakoma East anomaly.

Antimony response ratios that are ≥10 (N = 16) can be strung together into two anomalies that show a strong spatial association with the As-enrichment along the Timiskaming-Gowganda and Timiskaming to meta-dacite contact zones (Figure 12I). This spatial association is consistent with the strong correlation of As-Sb and the general enrichment of Sb within the two metasedimentary units (see Section 10.2).

Even though 100% of cobalt analyses are above the detection limit the range in values is relatively narrow (mostly <10 to 700 ppb) so that there are just seven samples with response ratios ≥10 times the background value of 59 ppb. Five of these samples cluster together in two anomalies over meta-dacitic and Timiskaming metasedimentary rock, whereas the other two form point anomalies over meta-dacitic and Gowganda bedrock (Figure 12J).

The 30th percentile for Cr is 200 ppb for soils overlying meta-dacite and mafic-ultramafic intrusive, compared to half that for soils overlying the two metasedimentary units. Hence, Cr contents were levelled in order to account for what appears to be a strong bedrock control. This levelling minimizes the broad Cr anomalies over the igneous rocks to just a few point anomalies and produces two long and narrow anomalous Cr zones over the Gowganda Formation (Figure 12K).

Barium values also show a remarkably narrow range (100-4000 ppb), with all samples above detection but with no samples exceeding response ratios of 10 (Figure 12L).

10.1.5 Multi-element and selected point anomalies

This section describes all of the MMI anomalies defined by the 2015 work program and classifies them in terms of their prospectivity for orogenic gold, magmatic Ni-Cu-PGE and "other" mineralization (Figure 13). Within each subgroup, the anomalies are broadly organized by their "prospectivity", comprising a somewhat subjective combination of multi-element enrichment, size and relation to underlying bedrock units. The mean response ratios for selected elements within each of these anomalies are summarized in Table 10.

Gold anomalies

The 2015 program identified four multi-sample anomalies and two point anomalies that are prospective for orogenic gold mineralization. The largest of these is the "**Lloyd West Gold**" anomaly, which trends at 155° across meta-dacitic and ultramafic-mafic intrusive bedrock. The core of this anomaly consists of coincident Au-Ag-Cu-Ni-Zn enrichment whereas the northern and southern ends are enriched in Au-Ni ± Cr. This anomaly measures 1.6 km along its long axis and ranges from 150-650 m in width, and also contains by far the most samples of the anomalies defined by the 2015 work (Table 10).

"**Lakoma East Gold**" is perhaps the most intriguing anomaly, occurring on the eastern-most sampling line and overlying what is regionally mapped as Gowganda Formation. This anomaly consists of four samples (Figure 13) with an average response ratio of nine for As-Cu-Mo-Pb-W-Zn (Table 10). Furthermore, gold-enrichment appears to extend directly west across two more sampling lines, forming a single-element gold anomaly that is 1.2 km long and 100 m wide (see Figure 12A).

The "**Lloyd South Gold-Tellurium**" anomaly consists of six consecutive samples on line 10+00W, with the northern-most two samples enriched in gold and the southern three in tellurium. The Au-Te association is a feature of several economic gold deposits in the area. Soil in this area also features prominent Ni-Co-Cr enrichment (Table 10).

"**Lloyd North Gold**" is a relatively large east-west trending anomaly, enclosing 14 samples and measuring 2.0 km in length and 150-200 m wide (Figure 13). Its core is enriched in Au-Ag-As-Zn-Sb and the flanks have anomalous Au ± Ag. It appears to be centred on a "triple junction" between the Timiskaming, Gowganda and meta-dacite units. A weakness of this anomaly, however, is that each element is enriched along a different trend that just happens to intersect in the core.

Point anomaly 2615567 lies at the very northern end of line 26+00E over top of Gowganda bedrock. This single sample shows an average response ratio of 16 for Au-As-Sb (Table 10). The last of the "orogenic gold" anomalies is **point anomaly 2615314**, which lies at the northern end of line 0+00W and just 15 m south of the property boundary. This point anomaly contains 0.5 ppb Au (response ratio = 10) but lacks enrichment in other pathfinders.

Ni-Cu-PGE anomalies

Six multi-sample and six point anomalies were identified that could be prospective for magmatic Ni-Cu-PGE mineralization. The most prospective of the multi-sample anomalies is the "**Lloyd West Nickel**" anomaly, which is broadly coincident with the highly prospective Lloyd West Gold anomaly. Lloyd West Nickel is the only anomaly that shows coincident Ni and Cu enrichment, and also contains elevated gold. It lies above the northwestern margin of the largest mafic-ultramafic intrusive body on the Property and just west of the Laurion drill hole that intersected 0.26% Ni and 0.22% Cr over 348.8 m.

The next most prospective anomaly is "**Lloyd South Nickel**", which is broadly coincident with the Au-Te anomaly of the same name. The Ni anomaly is developed over six consecutive samples towards the southern end of line 10+00W and shows coincident enrichment in Ni, Co and Cr. Response ratios average 30 for Ni, 7 for Co and 9 for Cr (Table 10), and is the only anomaly to show coincident highs in these elements.

The "**Lloyd NW Arm Nickel**" anomaly also shows significant overlap with the large Lloyd West Gold anomaly. This Ni anomaly trends roughly 120°-300° and is developed over meta-dacitic bedrock, more-or-less equidistant from ultramafic-mafic intrusions in all directions (Figure 13). The anomaly encloses five samples that show coincident enrichment in Ni and Cr, with average response ratios of 17 and 6 respectively (Table 10).

Table 10: Characteristics and mean response ratios of geochemical anomalies

Anomaly Name	Samples	Size (km2)	Trend	Mean response ratio											
				Ag	*As*	*Au*	*Co*	*Cr*	*Cu*	*Mo*	*Ni*	*Pb*	*Sb*	*W*	*Zn*
Gold anomalies															
Lloyd West Gold	27	0.607	155	2	2	7	2	5	4	1	11	1	1	3	2
Lakoma East Gold	4	0.070	070	1	16	7	3	3	15	7	2	6	5	8	6
Lloyd South Gold-Te	6	0.036	n/a	1	1	7	6	7	1	1	30	1	1	2	2
Lloyd North Gold	14	0.325	090	3	8	6	3	2	2	2	5	2	6	2	3
Pt 2615567 Gold	1	0.004	n/a	3	16	10	3	3	2	2	2	1	21	4	4
Pt 2615314 Gold	1	0.004	n/a	1	4	10	1	2	2	1	1	0	2	4	0
Ni-Cu-PGE anomalies															
Lloyd West Nickel	7	0.102	83.40	2	1	7	2	4	8	1	17	0	2	3	1
Lloyd South Nickel	6	0.038	n/a	1	1	3	7	9	1	2	30	1	2	3	4
Lloyd NW Arm Nickel	5	0.093	117.40	1	4	2	2	6	2	1	17	2	1	3	2
Trap Nickel	3	0.014	n/a	1	14	2	4	11	2	2	9	2	4	2	4
Lloyd North Nickel	8	0.180	72.50	2	18	5	5	4	3	2	16	1	15	3	4
Larry Nickel	3	0.038	129.30	2	6	2	3	5	3	1	6	3	4	3	3
Pt 2615289	1	0.032	138.00	0	1	1	2	6	1	1	70	0	1	3	1
Pt 2615387	1	0.003	n/a	2	4	1	3	13	2	1	36	1	1	2	2
Pt 2615224	1	0.002	n/a	1	1	1	2	6	1	1	23	0	1	1	1
Pt 2615481	1	0.004	n/a	2	6	1	7	17	2	2	7	2	4	8	6
Pt 2615311	1	0.002	n/a	0	14	1	4	2	5	1	32	1	20	1	5
Pt 2615233	1	0.002	n/a	2	6	4	0	3	1	3	10	3	3	4	4
Other anomalies															
Felsic Volcanic As-Fe	2	0.007	n/a	2	38	5	3	2	3	3	1	1	3	5	1
Marshall NW Zn-Te-Bi	4	0.026	n/a	1	4	1	4	5	1	1	6	4	2	2	12
Lloyd North Pb-Zn	7	0.087	n/a	2	2	1	1	1	1	2	1	7	3	2	15
Trap SW Zn	6	0.094	130	1	5	1	4	4	2	1	8	2	1	2	12

The "**Trap Nickel**" anomaly consists of three samples at the western end of Trap Lake, developed on a contact between an ultramafic-mafic intrusion and host meta-dacite (Figure 13). Ni contents within this anomaly are on the low end whereas the Cr and As concentrations are high (Table 10). The elemental association is somewhat suspicious, however, since magmatic processes would likely fractionate As away from Ni and Cr.

The "**Lloyd North Nickel**" anomaly is the largest of the multi-sample nickel anomalies and is broadly coincident with the Lloyd North Gold anomaly (Figure 13). It is west of southwest trending, 1.5 km long and an average of 100 m wide. Multi-element enrichment includes Ni-As-Sb with an average response ratio of 16 (table 10). This elemental association is atypical of magmatic enrichment. "**Larry Nickel**" is another low priority multi-sample anomaly and is interpreted to trend southwest along Larry Lake (Figure 13). This anomaly is defined by three samples that have average response ratios for six for both Ni and As (Table 10), which is weak relative to the other anomalies and also atypical of magmatic enrichment.

Point anomalies **2615289**, **2615387** and **2615224** have Ni response ratios (RR) ranging from 23-70, as well as elevated Cr (RR = 6-13). Sample 2615289 (21300 ppb Ni) occurs above Timiskaming bedrock and along the same northwest trend as the Larry Ni anomaly. Samples 2615387 and 2615224 occur above meta-dacite and mafic-ultramafic intrusion respectively (Figure 13), and contain 11000 ppb and 9560 ppb Ni.

Point anomaly **2615481** contains elevated abundances of Ni-Cr-Co-As-Zn and occurs in soils overlying the Gowganda Formation (Figure 13), which is naturally enriched in all of these elements (see Section 10.2). The last of the "magmatic Ni-Cu-PGE" anomalies are samples **2615311** and **2615233**, which both shown enrichment in Ni-As as well as Sb in 2615311 (Table 10). Sample 2615311 occurs above Timiskaming bedrock, which also contains elevated Ni-As-Sb (see Section 10.2), whereas 2615233 overlies meta-dacite.

Other anomalies

There are also four multi-sample anomalies that may be related to "other" forms of mineralization. The most notable of these is the "**Felsic As-Fe**" anomaly, which is formed by the only two samples that were taken over top of felsic metavolcanic unit (Figure 13). This anomaly contains exceptionally high As with an average response ratio of 38 (Table 10) in addition to highly anomalous Fe and weakly anomalous Au-Bi-Cu-Mo. None of these elements are particularly characteristics of felsic metavolcanic in general, except for Mo perhaps, and may therefore reflect an underlying hydrothermal enrichment.

The "**Marshall NW Zn-Te-Bi**" anomaly is a multi-sample anomaly enclosing four samples that lies along the southwestern margin of the Property (Figure 13). It occurs within soils overlying meta-dacite and consists of coincident Zn-Bi-Te enrichment, in addition to weakly anomalous As-Co-Cr-Ni (Table 10). The Zn-Bi-Te-As suite could be reflective of hydrothermal enrichment. The "**Lloyd North Pb-Zn**" anomaly occurs above Gowganda bedrock (Figure 13) and consists of broadly coincident Zn and Pb anomalies, with average response ratios of 15 and 7 respectively, in addition to weakly anomalous Bi-Sb (Table 10). Lastly, the "**Trap SW Zinc**" anomaly occurs to the southwest of Trap Lake, in between the Trap and Lloyd NW Arm nickel anomalies (Figure 13). The Zn anomaly encloses six samples with an average response ratio of 12 for Zn and eight for Ni, and also shows weakly anomalous As-Co-Cr (Table 10).

10.2 Rock Geochemistry

A total of 37 samples were submitted for geochemical analysis. The geological characteristics of these samples were summarized previously in Table 6. This section summarizes the geochemistry for each of the ten geological groupings.

A total of 11 samples of Tisdale meta-dacite were collected, five of which lack veining/alteration, three of which contain 5-10% quartz + carbonate veins and three of which are flooded with quartz and carbonate. Geochemical analyses, however, returned no anomalous precious or base metal values for any of these 11 samples, with Ag ranging from 0.01-0.25 ppm, Cu from 11-98 ppm and 10/11 samples containing <dl for Au. The more strongly veined and altered samples tend only towards higher As, Ca and Na abundances than the less altered samples (Table 11) whereas concentrations of most pathfinders tend to be lower (e.g. Co, Cr, Cu, Fe, Mo, Ni, S, Sb, Zn). This suggests that quartz + carbonate veins and floods consist almost entirely of just quartz, carbonate and, possibly, albite, and actually dilute the original metal contents of the host rocks rather than enriching it.

Table 11: Mean abundances of select elements from rock samples (in ppm unless noted)

Rock type	N	Ag	As	Au (ppb)	Co	Cr	Cu	Mo	Ni	Pb	Sb	Zn
Qtz-cb vein in Gowganda	2	0.01	4	<5	13.6	55	1.6	1.65	41.8	1.3	0.49	36
Gowganda	2	0.05	9	<5	43.3	394	73.4	0.51	333.0	2.3	1.24	111
Matachewan gabbro	1	0.11	2	<5	52.7	64	147.0	0.69	68.6	5.3	0.1	135
Timiskaming	14	0.07	18	<5	44.5	509	74.5	0.53	391.9	2.8	1.93	107
Ultramafic	3	0.08	1	<5	66.8	1250	65.7	0.83	894.3	1.7	0.14	37
Altered UM boulder	1	0.09	264	292	41.7	67	24.3	1.15	216.0	<0.5	1.57	60
Qtz-cb alt meta-dacite	3	0.10	5	<5	6.0	1	30.3	0.32	1.7	1.9	0.09	41
Meta-dacite + 5-10% vns	3	0.05	3	<5	16.3	45	38.7	1.06	46.9	3.0	0.09	72
Meta-dacite	5	0.07	2	9	34.2	235	66.8	1.30	153.4	2.1	0.28	98

Abbreviations: alt = altered, cb = carbonate, Qtz = quartz, vn = vein, w = with

Fourteen samples were collected from the Timiskaming metasedimentary unit. Geochemical analyses returned no anomalous precious or base metal values for any of these samples, with Ag ranging from 0.03-0.15 ppm, Cu from 53-80 ppm and 13/14 samples containing <dl for Au (Table 11). These assays did lend some insight into the geochemistry of typical pathfinders however, with Timiskaming rocks showing high background values of As-Cr-Ni-Sb that could be generating false “hydrothermal” anomalies in overlying soils.

Four samples of ultramafic rocks were collected, three of which were taken from outcrop and one from a boulder. The three outcrop samples were taken during an attempt to trace structures that could be related to the Bjorkman Vein. None of these samples contain anomalous precious or base metal values (Table 11). Comparison to meta-dacitic rocks indicates a lack in all elements that could indicate a significant hydrothermal system.

Perhaps the most interesting sample taken in the 2015 work program is a boulder of light greenish-grey, very hard, fine-grained ultramafic; possibly comprise a strongly altered komatiite. This boulder exhibits several of the same geochemical characteristics as the three ultramafic samples taken from outcrop - including low Al, Ga, Na, K, Rb, Sr, Ti and Zr - but also shows some important differences, including a program-high 0.29 g/t Au in addition to elevated As, Ca (21.1%), Mn and Ab. Chromium contents are very low so it is unlikely that the field identification of fuchsite was correct, unless this mineral is not dissolved in a four-acid digestion.

Two samples of the Gowganda pebbly quartzite were also collected, with assays returning uniformly low precious and base metal contents. The abundances of major and trace elements are fairly similar to the Timiskaming samples, however, suggesting that all soils taken over top the metasedimentary units have the possibility of being enriched in As-Cr-Ni-Sb.

The last two samples described here were taken from a quartz + ankerite vein that cut a subcrop of Gowganda Formation just south of Larry Lake. Assay results returned only very low precious or base metal values. Relative to the host Gowganda rocks, the quartz + carbonate vein is depleted in all elements except Ba, K, Mo, Rb and Zr.

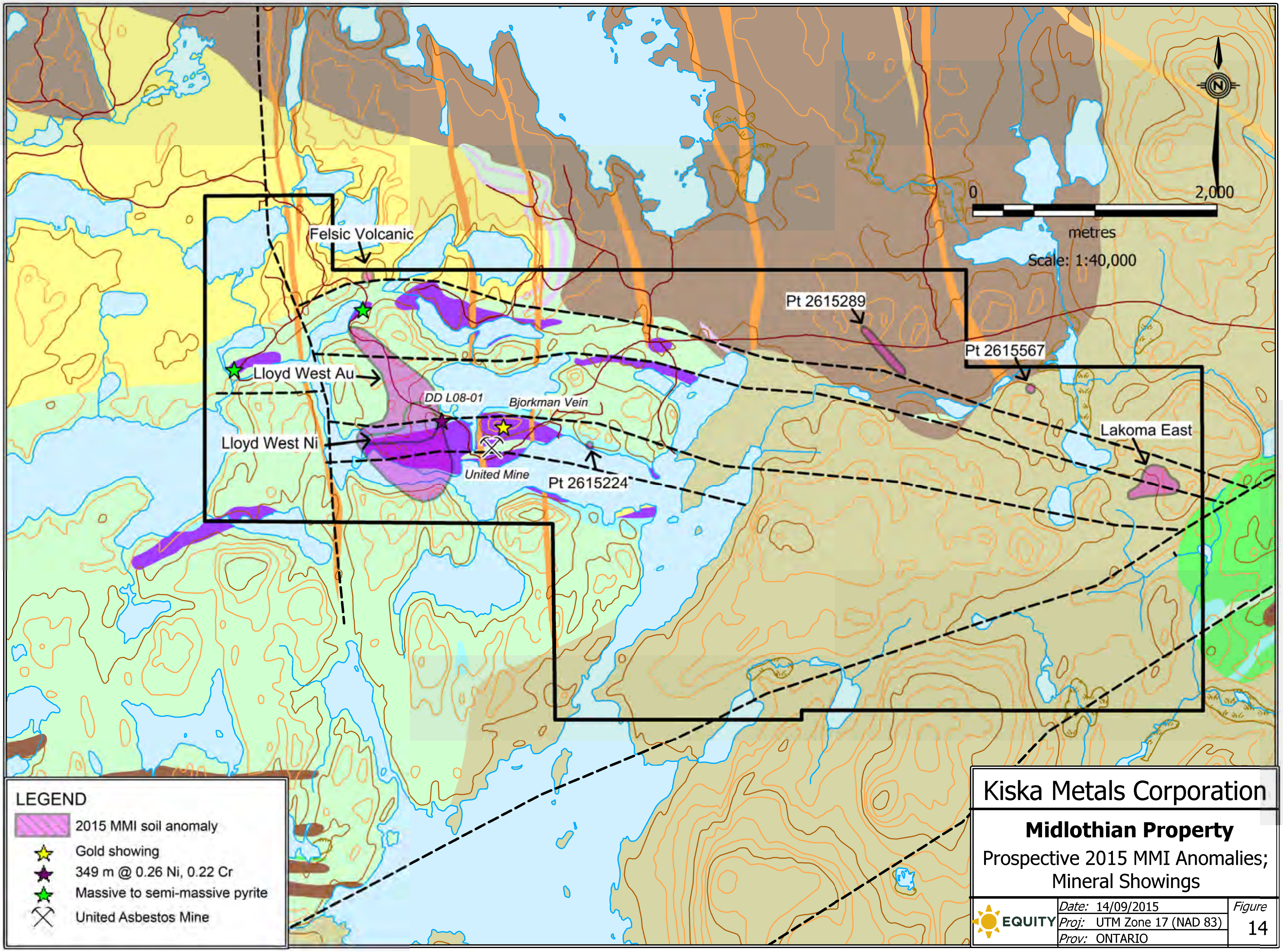
11.0 CONCLUSIONS AND RECOMMENDATIONS

The 2015 MMI soil sampling program was used to define 22 geochemical anomalies, seven of which are considered prospective for follow-up work (Table 12). The area of overlap between the **Lloyd West gold** and **Lloyd West nickel** anomalies is considered among the most prospective areas. The soils in this area are enriched in Ni-Cu-Au and overlie a large mafic-ultramafic intrusion emplaced into meta-dacitic host rocks. The centre of this anomaly lies just 200 m west of the Laurion drill hole that returned 0.26% Ni and 0.22% Cr over 348.8 m and 700 m west of the Bjorkman Vein. Structural interpretation suggests that this anomaly could lie across two east-west splays off the LLCDZ and near their intersection within a significant north-south trending structure.

Another prospective area is the **Lakoma East** anomaly, which is a strong multi-element anomaly overlying the trace of an LLCDZ splay and Gowganda bedrock in the eastern part of the Property. Even when the lithogeochemical enrichments of Gowganda bedrock are removed (i.e. As, Sb), Lakoma East still comprises a prominent Au-Cu-Mo-Pb-W anomaly that cannot be solely explained by bedrock composition. A possible explanation is that this poorly exposed area is, in fact, underlain by Archean rocks.

The **Felsic Metavolcanic As-Fe** anomaly should also be followed up. The multi-element enrichment of this small anomaly is markedly distinct from typical felsic volcanic chemistry, and suggests significant (hydrothermal?) enrichment in As-Fe ± Au-Bi-Cu-Mo. The geological setting is prospective for VMS mineralization and the elemental association could be interpreted as consistent with VMS.

Several Point anomalies are also worth following up (Table 13). The most prominent of these are samples **2615289** and **2615224**, the former containing an exceptionally high 21300 ppb Ni and the latter containing high Ni and weak Cr over top of a mafic-ultramafic intrusion. Point anomaly **2615567** is marked by high concentrations of Au-As-Sb, although the strength of this anomaly is somewhat tempered by its occurrence over metasedimentary bedrock with high background abundances of As-Sb.



Felsic Volcanic
Pt 2615289
Pt 2615567
Lloyd West Au
DD L08-01
Bjorkman Vein
Lloyd West Ni
United Mine
Pt 2615224
Lakoma East
0
2,000
metres
Scale: 1:40,000
LEGEND
2015 MMI soil anomaly
Gold showing
349 m @ 0.26 Ni, 0.22 Cr
Massive to semi-massive pyrite
United Asbestos Mine
Kiska Metals Corporation
Midlothian Property
Prospective 2015 MMI Anomalies; Mineral Showings
EQUITY
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure
14

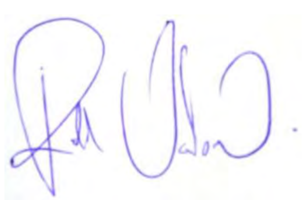
Table 12: List of MMI multi-sample and point anomalies recommended for follow-up work

Name	Type	Elements	Comments
Lloyd W Au + Lloyd W Ni	Multi-sample	Au, Cu, Ni	Large anomaly near edge of ultramafic intrusion, Bjorkmann Vein
Lakoma East	Multi-sample	Au, As, Cu, Mo, Pb, Zb, W, Zn	Strong multi-element anomaly over LLCDZ splay
Felsic Volcanic	Multi-sample	As, Fe, Au, Bi, W	Over felsic volcanic
2615289	Point	Ni, Cr	Very high single Ni value (21300 ppb)
2615224	Point	Ni, Cr	On margin of mafic-ultramafic intrusion
2615567	Point	Au, As, Sb	Strong multi-element point anomaly

Results from the geological prospecting program suggest that north-northwest trending structures (140°-170°) could be prospective and found some evidence for the interpreted east-west splays off the LLCDZ. Results from the sampling program were mostly negative, however, with all samples containing quartz + carbonate veining and alteration actually returning lower precious and base metal values than those that didn't. The positive assay result came from a boulder of strongly (carbonate?) altered ultramafic that returned 0.29 g/t Au.

Future work should focus on following up the soil anomalies in Table 12. Recommended follow-up work for the multi-sample anomalies includes ground-based IP/Res surveying and additional geological prospecting. The point anomalies should be examined through geological prospecting and, possibly, collection of a few more soil samples in the immediate area.

Respectfully submitted,



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Appendix B: Claim Data

Project	NTS Map Sheet	Title Number	Title Type	Township/ Area	Registration Date	Expiry Date	Title Holder	Area (ha)	No Units
Midlothian	41 P14	4220776	Mining	Midlothian (G-3684)	July 9, 2007	July 8, 2016	Rimfire Minerals Corporation (100%)	129.2	10
Midlothian	41 P14	4220777	Mining	Midlothian (G-3684)	July 9, 2007	July 8, 2016	Rimfire Minerals Corporation (100%)	222.0	15
Midlothian	41 P14	4220778	Mining	Midlothian (G-3684)	July 9, 2007	July 8, 2016	Rimfire Minerals Corporation (100%)	190.7	15
Midlothian	41 P14/15	4220779	Mining	Midlothian (G-3684)	July 9, 2007	July 8, 2016	Rimfire Minerals Corporation (100%)	229.9	15
Midlothian	41 P15	4220780	Mining	Midlothian (G-3684)	July 9, 2007	July 8, 2016	Rimfire Minerals Corporation (100%)	219.3	15
Midlothian	41 P15	4220781	Mining	Midlothian (G-3684)	July 9, 2007	July 8, 2016	Rimfire Minerals Corporation (100%)	246.7	15
Midlothian	41 P15	4220782	Mining	Midlothian (G-3684)	July 9, 2007	July 8, 2016	Rimfire Minerals Corporation (100%)	247.1	15
Midlothian	41 P15	4220785	Mining	Midlothian (G-3684)	July 9, 2007	July 8, 2016	Rimfire Minerals Corporation (100%)	267.4	8
Midlothian	41 P15	4220786	Mining	Midlothian (G-3684)	July 9, 2007	July 8, 2016	Rimfire Minerals Corporation (100%)	125.4	12
Midlothian	41 P15	4220787	Mining	Midlothian (G-3684)	July 9, 2007	July 8, 2016	Rimfire Minerals Corporation (100%)	265.9	16
Midlothian	41 P15	4220788	Mining	Midlothian (G-3684)	July 9, 2007	July 8, 2016	Rimfire Minerals Corporation (100%)	254.8	16
								2398.4	152.0

Appendix C: Statement of Expenditures

STATEMENT OF EXPENDITURES
Midlothian Project
July to August 2015

PROFESSIONAL FEES AND WAGES:				
Laurent Janssen, Senior Sampler				
	11.00 days @ $325/day	$ 3,575.00		
Christina Vandentillaart, Exploration Assistant				
	10.00 days @ $400/day	4,000.00		
Ron Voordouw, P.Geo				
	14.51 days @ $700/day	10,157.00		
Tyler Woyiwada, Senior Sampler				
	10.00 days @ $325/day	3,250.00		
Agata Zurek, GIS				
	6.00 hours @ $75/hour	450.00		
Clerical				
	5.13 hours @ $75/hour	385.00	$	21,817.00
EQUIPMENT RENTALS:				
Field Computers				
	18.00 days @ $40/day			720.00
EXPENSES:				
Chemical Analyses		$ 13,662.00		
Materials and Supplies		669.73		
Plot Charges		44.44		
Camp Food		1,002.34		
Meals		340.25		
Accommodation		1,835.00		
Taxis and Airporters		170.24		
Parking		121.77		
Truck Rental (Non-Equity)		605.68		
Automotive Fuel		241.97		
Busfare		78.43		
Airfare		3,180.42		
Freight		104.68		
Radio Rental (Non-Equity)		108.00		
Expediting		391.24		
Report (estimated)		5,000.00		27,556.19
SUB-TOTAL:			$	50,093.19
PROJECT SUPERVISION CHARGES:				6,011.18
TOTAL:			**$**	**56,104.37**

Appendix D: Soil Sample Descriptions

Sample ID	UTM Easting	UTM Northing	QAQC	Primary Sample	Site Drainage	Sample Moisture	Horizon Sampled	Charcoal Present?	Sample Colour	Depth to Water (cm)	Depth to Sample (cm)	Substrate Type	Contamination	Vegetation	Date	Comments	Sampler	Photo
2615201	500400	5303562			Dry	Dry	B	No	Grey brown	N/A	30	Silt	Possible	Forest	25/06/2015		TW/CV	Yes
2615202	500397	5303614			Dry	Dry	B	No	Brown	N/A	30	Silt	Possible	Forest	25/06/2015		TW/CV	Yes
2615203	500395	5303663			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615204	500394	5303704			Dry	Moist	B	No	Dark brown	N/A	45	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615205	500403	5303768			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615206	500408	5303812			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615207	500405	5303863			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615208	500398	5303906			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615209	500402	5304052			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615210	500402	5304052	FD	2165209	Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615211	500403	5304108			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615212	500398	5304167			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615213	500402	5304207			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615214	500401	5304258			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615215	500402	5304313			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615216	500399	5304360			Dry	Moist	B	No	Grey	N/A	30	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615217	500403	5304415			Dry	Dry	B	No	Grey brown	N/A	40	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615218	500401	5304456			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615219	500401	5303264			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615220			Blank												25/06/2015		TW/CV	N/A
2615221	500991	5303018			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615222	500403	5303163			Dry	Moist	B	No	Grey	N/A	30	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615223	500391	5303108			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615224	500404	5303067			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	25/06/2015		TW/CV	Yes
2615225	500999	5303059			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615226	501011	5303115			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615227	501011	5303147			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615228	501020	5303192			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615229	501010	5303264			Dry	Dry	B	No	Grey brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615230	501010	5303264	FD	2165229	Dry	Dry	B	No	Grey brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615231	501001	5303296			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615232	501001	5303353			Dry	Dry	B	No	Grey brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615233	501002	5303404			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615234	500997	5303449			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615235	500996	5303659			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615236	501003	5303708			Dry	Dry	B	No	Grey	N/A	30	Silt	Possible	Forest	26/06/2015		TW/CV	Yes
2615237	501001	5303758			Dry	Dry	B	No	Grey	N/A	30	Silt	Possible	Forest	26/06/2015	Old River bed? Not natural?	TW/CV	Yes
2615238	500999	5303810			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015	Old River bed? Not natural?	TW/CV	Yes
2615239	501798	5304473			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615240			Blank												26/06/2015		TW/CV	N/A
2615241	501796	5304414			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615242	501795	5304356			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615243	501796	5304314			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615244	501794	5304262			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615245	501802	5304210			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615246	501803	5304169			Dry	Dry	B	No	Grey brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615247	501795	5304103			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615248	501805	5304060			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615249	501786	5304008			Dry	Moist	B	No	Grey brown	N/A	40	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615250	501786	5304008	FD	2165249	Dry	Moist	B	No	Grey brown	N/A	40	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615251	501804	5303957			Dry	Dry	B	No	Grey brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615252	501798	5303914			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615253	501794	5303867			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes

Sample ID	UTM Easting	UTM Northing	QAQC	Primary Sample	Site Drainage	Sample Moisture	Horizon Sampled	Charcoal Present?	Sample Colour	Depth to Water (cm)	Depth to Sample (cm)	Substrate Type	Contamination	Vegetation	Date	Comments	Sampler	Photo
2615254	501793	5303813			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615255	501791	5303752			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615256	501798	5303715			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615257	501786	5303663			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615258	501813	5303604			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	26/06/2015		TW/CV	Yes
2615259	501805	5303555			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615260			Blank												27/06/2015		TW/CV	N/A
2615261	501793	5303507			Dry	Dry	B	No	Grey brown	N/A	40	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615262	501807	5303457			Dry	Dry	B	No	Grey brown	N/A	35	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615263	501805	5303409			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615264	501798	5303361			Dry	Dry	B	No	Grey brown	N/A	35	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615265	501792	5303298			Moist	Moist	B	No	Brown	N/A	40	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615266	502792	5304459			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615267	502796	5304410			Dry	Dry	B	No	Rusty brown	N/A	40	Silt	Possible	Forest	27/06/2015		TW/CV	Yes
2615268	502797	5304313			Dry	Dry	B	No	Dark brown	N/A	30	Silt	Possible	Forest	27/06/2015		TW/CV	Yes
2615269	502794	5304271			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615270	502794	5304271	FD	2615269	Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615271	502803	5304206			Dry	Dry	B	No	Grey brown	N/A	35	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615272	502802	5304155			Dry	Dry	B	No	Rusty brown	N/A	40	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615273	502806	5304112			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615274	502810	5304054			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615275	502801	5304017			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615276	502802	5303955			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615277	502811	5303884			Dry	Dry	B	No	Grey brown	N/A	30	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615278	502803	5303059			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615279	502797	5303108			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615280			Blank												27/06/2015		TW/CV	N/A
2615281	502802	5303158			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615282	502804	5303202			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615283	502788	5303274			Dry	Dry	B	No	Grey brown	N/A	30	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615284	502795	5303308			Dry	Dry	B	No	Grey brown	N/A	30	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615285	502800	5303562			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615286	502791	5303611			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615287	502804	5303657			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	27/06/2015		TW/CV	Yes
2615288	502792	5303714			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	Possible	Forest	27/06/2015		TW/CV	Yes
2615289	502794	5303858			Dry	Dry	B	No	Grey	N/A	30	Silt	Possible	Forest	27/06/2015		TW/CV	Yes
2615290	502794	5303858	FD	2615289	Dry	Dry	B	No	Grey	N/A	30	Silt	Possible	Forest	27/06/2015		TW/CV	Yes
2615291	499000	5303423			Moist	Moist	B	No	Grey	N/A	30	Slity clay	None	Forest	28/06/2015		TW/CV	Yes
2615292	498990	5303477			Dry	Dry	B	No	Grey	N/A	35	Slity clay	None	Forest	28/06/2015		TW/CV	Yes
2615293	498997	5303523			Dry	Moist	B	No	Grey	N/A	40	Slity clay	None	Forest	28/06/2015		TW/CV	Yes
2615294	498999	5303577			Dry	Moist	B	No	Grey brown	N/A	40	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615295	498995	5303626			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615296	499004	5303681			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615297	498999	5303721			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615298	499007	5303776			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615299	498995	5303826			Dry	Dry	B	No	Dark brown	N/A	35	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615300			Blank												28/06/2015		TW/CV	N/A
2615301	501002	5303917			Dry	Dry	B	No	Brown	N/A	35	Silt	None but 10m from the road	Forest	25/06/2015		LJ	Yes
2615302	500992	5303960			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	25/06/2015		LJ	Yes
2615303	501001	5304020			Poor	Wet	A and B	Yes	Dark brown	30	35	Silt + organics	None	Forest	25/06/2015		LJ	Yes
2615304	501002	5304058			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	25/06/2015		LJ	Yes
2615305	500998	5304109			Dry	Dry	B	No	Rusty brown	N/A	40	Silt	None	Forest	25/06/2015		LJ	Yes
2615306	500998	5304156			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	25/06/2015		LJ	Yes

Sample ID	UTM Easting	UTM Northing	QAQC	Primary Sample	Site Drainage	Sample Moisture	Horizon Sampled	Charcoal Present?	Sample Colour	Depth to Water (cm)	Depth to Sample (cm)	Substrate Type	Contamination	Vegetation	Date	Comments	Sampler	Photo
2615307	501003	5304211			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	25/06/2015		LJ	Yes
2615308	500998	5304260			Dry	Moist	B	No	Grey brown	N/A	40	Silt	None	Forest	25/06/2015		LJ	Yes
2615309	500999	5304309			Dry	Dry	B	No	Grey brown	N/A	40	Silt	None	Forest	25/06/2015		LJ	Yes
2615310	500999	5304309	FD	2615309	Dry	Dry	B	No	Grey brown	N/A	40	Silt	None	Forest	25/06/2015		LJ	Yes
2615311	500997	5304415			Dry	Dry	A and B	No	Grey brown	N/A	30	Silt	None but 10m from the road	Forest	25/06/2015		LJ	Yes
2615312	500998	5304360			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	25/06/2015		LJ	Yes
2615313	500996	5304459			Dry	Dry	B	No	Brown	N/A	45	Silt	None	Forest	25/06/2015	+ - 10m on the GPS	LJ	Yes
2615314	501398	5304458			Moist	Moist	B	No	Grey	N/A	35	Silt	None	Forest	26/06/2015		LJ	Yes
2615315	501401	5304410			Dry	Dry	B	No	Grey brown	N/A	35	Slity clay	None	Forest	26/06/2015		LJ	Yes
2615316	501400	5304360			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	26/06/2015		LJ	Yes
2615317	501411	5304308			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	26/06/2015		LJ	Yes
2615318	501399	5304257			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	26/06/2015		LJ	Yes
2615319	501401	5304211			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	26/06/2015		LJ	Yes
2615320			Blank												26/06/2015		LJ	N/A
2615321	501398	5304163			Poor	Wet	B	No	Brown	35	45	Silt	None	Forest	26/06/2015		LJ	Yes
2615322	501404	5304011			Dry	Dry	B	No	Brown	N/A	50	Silt	None	Forest	26/06/2015		LJ	Yes
2615323	501400	5303962			Dry	Dry	A and B	No	Grey brown	N/A	35	Silt	None	Forest	26/06/2015		LJ	Yes
2615324	501400	5303901			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	Possible	Forest	26/06/2015		LJ	Yes
2615325	501400	5303861			Moist	Moist	B	No	Grey	N/A	40	Silt	None	Forest	26/06/2015		LJ	Yes
2615326	501391	5303819			Moist	Moist	B	No	Grey brown	N/A	30	Silt	None	Forest	26/06/2015		LJ	Yes
2615327	501404	5303760			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	26/06/2015		LJ	Yes
2615328	501400	5303709			Dry	Dry	B	No	Rusty brown	N/A	45	Silt	None	Forest	26/06/2015		LJ	Yes
2615329	502198	5303964			Dry	Dry	B	No	Brown	N/A	30	Silt	Possible	Forest	26/06/2015		LJ	Yes
2615330	502198	5303964	FD	2615329	Dry	Dry	B	No	Brown	N/A	30	Silt	Possible	Forest	26/06/2015		LJ	Yes
2615331	502198	5304013			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	26/06/2015		LJ	Yes
2615332	502197	5304070			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	26/06/2015		LJ	Yes
2615333	502198	5304112			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	26/06/2015		LJ	Yes
2615334	502196	5304166			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	26/06/2015		LJ	Yes
2615335	502200	5304206			Dry	Dry	B	No	Grey	N/A	40	Silt	None	Forest	27/06/2015		LJ	Yes
2615336	502201	5304259			Dry	Dry	B	No	Grey brown	N/A	30	Silt	None	Forest	27/06/2015		LJ	Yes
2615337	502202	5304309			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	27/06/2015		LJ	Yes
2615338	502197	5304359			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	27/06/2015		LJ	Yes
2615339	502201	5304409			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	27/06/2015		LJ	Yes
2615340			Blank												27/06/2015		LJ	N/A
2615341	502205	5304460			Dry	Dry	B	No	Rusty brown	N/A	40	Silt	None	Forest	27/06/2015		LJ	Yes
2615342	502199	5303022			Dry	Moist	B	No	Grey	N/A	35	Slity clay	None	Forest	27/06/2015		LJ	Yes
2615343	502199	5303060			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	27/06/2015		LJ	Yes
2615344	502200	5303112			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	27/06/2015		LJ	Yes
2615345	502200	5303162			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	27/06/2015		LJ	Yes
2615346	502202	5303209			Dry	Dry	B	No	Grey brown	N/A	35	Silt	None	Forest	27/06/2015		LJ	Yes
2615347	502201	5303271			Dry	Dry	A and B	No	Dark brown	N/A	35	Silt	None	Forest	27/06/2015		LJ	Yes
2615348	502198	5303309			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	27/06/2015		LJ	Yes
2615349	502189	5303430			Dry	Moist	B	No	Rusty brown	N/A	45	Silt	None	Forest	27/06/2015		LJ	Yes
2615350	502189	5303430	FD	2615349	Dry	Moist	B	No	Rusty brown	N/A	45	Silt	None	Forest	27/06/2015		LJ	Yes
2615351	498993	5303878			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615352	498993	5303919			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615353	499002	5304031			Dry	Dry	B	No	Grey brown	N/A	50	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615354	498996	5304081			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615355	498977	5304107			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615356	499000	5304169			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615357	498585	5304460			Moist	Moist	B	No	Grey brown	N/A	30	Slity clay	None	Forest	28/06/2015		TW/CV	Yes
2615358	498605	5304410			Moist	Moist	B	No	Grey brown	N/A	40	Slity clay	None	Forest	28/06/2015		TW/CV	Yes
2615359	498603	5304355			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615360			Blank												28/06/2015		TW/CV	N/A

Sample ID	UTM Easting	UTM Northing	QAQC	Primary Sample	Site Drainage	Sample Moisture	Horizon Sampled	Charcoal Present?	Sample Colour	Depth to Water (cm)	Depth to Sample (cm)	Substrate Type	Contamination	Vegetation	Date	Comments	Sampler	Photo
2615361	498600	5304316			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615362	498594	5304264			Dry	Dry	B	No	Grey brown	N/A	30	Slity clay	Possibly	Forest	28/06/2015		TW/CV	Yes
2615363	498603	5304211			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615364	498598	5304155			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615365	498591	5304106			Dry	Dry	B	No	Grey	N/A	30	Slity clay	None	Forest	28/06/2015		TW/CV	Yes
2615366	498598	5304063			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615367	498603	5304016			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615368	498599	5303954			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615369	498605	5303902			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615370	498605	5303902	FD	2615369	Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615371	498600	5303861			Dry	Moist	B	No	Grey	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615372	498601	5303802			Dry	Moist	B	No	Grey	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615373	498602	5303764			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615374	498591	5303703			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615375	498598	5303666			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	28/06/2015		TW/CV	Yes
2615376	500406	5302535			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	29/06/2015		TW	Yes
2615377	500399	5302507			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	29/06/2015		TW	Yes
2615378	500391	5302448			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	29/06/2015		TW	Yes
2615379	500405	5302414			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	29/06/2015		TW	Yes
2615380			Blank												29/06/2015		TW	N/A
2615381	500401	5302213			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	29/06/2015		TW	Yes
2615382	500405	5302171			Dry	Moist	B	No	Grey	N/A	30	Silt	None	Forest	29/06/2015		TW	Yes
2615383	500391	5302115			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	29/06/2015		TW	Yes
2615384	500404	5302005			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	29/06/2015	Out of sequence	TW	Yes
2615385	500398	5302052			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	29/06/2015	Out of sequence	TW	Yes
2615386	500393	5301897			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	29/06/2015		TW	Yes
2615387	498991	5302447			Dry	Dry	B	No	Grey	N/A	35	Silt	None	Forest	29/06/2015		TW	Yes
2615388	499006	5302490			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	29/06/2015		TW	Yes
2615389	499002	5302537			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	29/06/2015		TW	Yes
2615390	499002	5302537	FD	2615389	Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	29/06/2015		TW	Yes
2615391	498997	5302601			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	29/06/2015		TW	Yes
2615392	499004	5302643			Dry	Dry	B	No	Grey	N/A	30	Silt	None	Forest	29/06/2015		TW	Yes
2615393	498996	5302688			Dry	Dry	B	No	Grey	N/A	35	Silt	None	Forest	29/06/2015		TW	Yes
2615394	498992	5302716			Dry	Dry	B	No	Grey brown	N/A	40	Silt	None	Forest	29/06/2015		TW	Yes
2615395	503999	5302423			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615396	503999	5302472			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615397	504008	5302527			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615398	503996	5302582			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615399	503994	5302626			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615400			Blank												30/06/2015		TW/CV	N/A
2615401	505001	5302574			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615402	504999	5302525			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615403	504997	5302473			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615404	505002	5302430			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615405	505011	5302376			Dry	Moist	B	No	Grey brown	N/A	35	Slity clay	None	Forest	01/07/2015		LJ/RV	Yes
2615406	504992	5302322			Dry	Dry	B	No	Grey brown	N/A	30	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615407	505003	5302272			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615408	504994	5302225			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615409	504997	5302176			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615410	504997	5302176	FD	2615409	Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615411	504996	5302126			Dry	Dry	B	No	Grey brown	N/A	30	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615451	502214	5303593			Dry	Moist	B	No	Grey brown	N/A	35	Slity clay	None	Forest	27/06/2015		LJ	Yes
2615452	502200	5303615			Dry	Dry	B	No	Grey brown	N/A	30	Silt	None	Forest	27/06/2015		LJ	Yes
2615453	502200	5303659			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	27/06/2015		LJ	Yes
2615454	502197	5303712			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	27/06/2015		LJ	Yes

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2615455	502202	5303759			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	27/06/2015		LJ	Yes
2615456	498998	5303374			Dry	Dry	B	No	Brown	N/A	35	Silt	Possible	Forest	27/06/2015	Near the road	LJ	No
2615457	498999	5303323			Poor	Moist	B	No	Grey	45	50	Slity clay	None	Forest	27/06/2015		LJ	No
2615458	498999	5303274			Dry	Dry	B	No	Grey	N/A	45	Slity clay	None	Forest	27/06/2015		LJ	No
2615459	498999	5303224			Dry	Dry	B	No	Grey	N/A	45	Slity clay	None	Forest	28/06/2015		LJ	No
2615460			Blank												28/06/2015		LJ	N/A
2615461	499000	5303175			Dry	Dry	B	No	Grey brown	N/A	30	Silt	Possible	Forest	28/06/2015	Near the mine site	LJ	No
2615462	498987	5303130			Dry	Moist	B	No	Dark brown	N/A	55	Clay	Possible	Forest	28/06/2015	Near mine site, moved west	LJ	No
2615463	499004	5303025			Dry	Dry	B	No	Grey	N/A	55	Slity clay	None	Forest	28/06/2015	Near mine site, moved east	LJ	No
2615464	499002	5302910			Dry	Dry	B	No	Grey	N/A	35	Slity clay	Possible	Forest	28/06/2015	Near mine site, moved south	LJ	No
2615465	499001	5302877			Dry	Dry	B	No	Grey	N/A	45	Slity clay	None	Forest	28/06/2015		LJ	No
2615466	498595	5303001			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	28/06/2015		LJ	No
2615467	498610	5303069			Dry	Dry	B	No	Grey	N/A	35	Silt	None	Forest	28/06/2015		LJ	No
2615468	498607	5303109			Dry	Dry	B	No	Brown	N/A	45	Silt	None	Forest	28/06/2015		LJ	No
2615469	498602	5303165			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	28/06/2015		LJ	No
2615470	498602	5303165	FD	2615469	Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	28/06/2015		LJ	No
2615471	498603	5303208			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	28/06/2015		LJ	No
2615472	498600	5303259			Dry	Dry	B	No	Rusty brown	N/A	45	Silt	None	Forest	28/06/2015		LJ	No
2615473	498597	5303310			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	28/06/2015		LJ	No
2615474	498604	5303360			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	28/06/2015		LJ	No
2615475	498615	5303414			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	28/06/2015		LJ	No
2615476	498602	5303455			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	28/06/2015		LJ	No
2615477	498599	5303508			Dry	Moist	B	No	Grey	N/A	45	Slity clay	None	Forest	28/06/2015		LJ	No
2615478	498604	5303558			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	28/06/2015		LJ	No
2615479	498604	5303610			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	28/06/2015		LJ	No
2615480			Blank												28/06/2015		LJ	N/A
2615481	500401	5301259			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615482	500398	5301308			Dry	Dry	B	No	Grey brown	N/A	35	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615483	500399	5301361			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615484	500396	5301411			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615485	500404	5301461			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615486	500398	5301507			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615487	500399	5301561			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615488	500404	5301607			Dry	Dry	B	No	Grey brown	N/A	35	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615489	500399	5301660			Dry	Dry	B	No	Grey brown	N/A	35	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615490	500399	5301660	FD	2615489	Dry	Dry	B	No	Grey brown	N/A	35	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615491	500401	5301711			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615492	500399	5301764			Dry	Dry	B	No	Grey brown	N/A	35	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615493	500401	5301804			Moist	Moist	B	No	Grey brown	N/A	50	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615494	500405	5301859			Moist	Moist	B	No	Grey brown	N/A	45	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615495	498601	5302456			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615496	498594	5302501			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615497	498603	5302554			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615498	498598	5302600			Dry	Dry	B	No	Grey brown	N/A	40	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615499	498595	5302645			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615500			Blank												29/06/2015		LJ/RV	N/A
2615501	498601	5302701			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	29/06/2015		LJ/RV	Yes
2615502	498595	5302745			Dry	Moist	B	No	Brown	N/A	40	Silt	None	Forest	29/06/2015	Base of a cliff	LJ/RV	Yes
2615503	503399	5302860			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	29/06/2015		LJ	Yes
2615504	503401	5302908			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	29/06/2015		LJ	Yes
2615505	503401	5302962			Dry	Dry	B	No	Rusty brown	N/A	40	Silt	None	Forest	29/06/2015		LJ	Yes
2615506	503399	5303011			Dry	Dry	B	No	Grey brown	N/A	35	Silt	None	Forest	29/06/2015		LJ	Yes

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2615507	503401	5303059			Dry	Dry	B	No	Rusty brown	N/A	40	Silt	None	Forest	29/06/2015		LJ	Yes
2615508	503401	5303107			Dry	Moist	B	No	Grey brown	N/A	45	Silt	None	Forest	29/06/2015		LJ	Yes
2615509	503398	5303162			Dry	Moist	B	No	Grey brown	N/A	40	Silt	None	Forest	29/06/2015		LJ	Yes
2615510	503398	5303162	FD	2615509	Dry	Moist	B	No	Grey brown	N/A	40	Silt	None	Forest	29/06/2015		LJ	Yes
2615511	503399	5303208			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	29/06/2015		LJ	Yes
2615512	503402	5303255			Dry	Dry	B	No	Rusty brown	N/A	45	Silt	None	Forest	29/06/2015		LJ	Yes
2615513	503400	5303451			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	29/06/2015		LJ	Yes
2615514	503403	5303504			Dry	Dry	B	No	Rusty brown	N/A	40	Silt	None	Forest	29/06/2015		LJ	Yes
2615515	503400	5303562			Dry	Dry	B	No	Rusty brown	N/A	40	Silt	None	Forest	29/06/2015		LJ	Yes
2615516	503404	5303619			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	29/06/2015	Moved South because of swamp	LJ	Yes
2615517	503401	5303660			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	29/06/2015		LJ	Yes
2615518	503395	5303709			Dry	Moist	B	No	Rusty brown	N/A	35	Silt	None	Forest	29/06/2015		LJ	Yes
2615519	504999	5303173			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615520			Blank												01/07/2015		LJ/RV	N/A
2615521	505001	5303134			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615522	504998	5303023			Moist	Moist	B	No	Grey brown	N/A	35	Slity clay	None	Forest	01/07/2015		LJ/RV	Yes
2615523	504999	5302974			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615524	504999	5302925			Moist	Moist	B	No	Grey brown	N/A	35	Slity clay	None	Forest	01/07/2015		LJ/RV	Yes
2615525	504999	5302875			Poor	Wet	B	No	Grey brown	40	45	Slity clay	None	Forest	01/07/2015		LJ/RV	Yes
2615526	504998	5302774			Poor	Moist	B	No	Grey brown	55	60	Slity clay	None	Forest	01/07/2015		LJ/RV	Yes
2615527	505011	5302720			Moist	Moist	B	No	Brown	N/A	30	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615528	505002	5302671			Poor	Moist	B	No	Grey brown	35	40	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615529	505008	5302621			Dry	Dry	A and B	No	Grey brown	N/A	40	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615530	505008	5302621	FD	2615529	Dry	Dry	A and B	No	Grey brown	N/A	40	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615531	503413	5304434			Dry	Dry	A and B	No	Grey brown	N/A	30	Silt	None	Swamp	30/06/2015		RV	Yes
2615532	503410	5304362			Poor	Wet	B	No	Grey brown	30	50	Silt	None	Swamp	30/06/2015		RV	Yes
2615533	503409	5304307			Dry	Dry	B	No	Grey brown	N/A	40	Silt	None	Forest	30/06/2015		RV	Yes
2615534	503394	5304256			Dry	Dry	A and B	No	Grey	N/A	35	Silt	None	Forest	30/06/2015		RV	Yes
2615535	503393	5304202			Dry	Dry	B	No	Grey	N/A	40	Silt	None	Forest	30/06/2015		RV	Yes
2615536	503394	5304165			Dry	Dry	B	No	Grey brown	N/A	30	Silt	None	Forest	30/06/2015		RV	Yes
2615537	503402	5304110			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	30/06/2015		RV	Yes
2615538	503400	5304060			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	30/06/2015		RV	Yes
2615539	503397	5304013			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	30/06/2015		RV	Yes
2615540			Blank												30/06/2015		RV	N/A
2615541	503399	5303953			Dry	Moist	A and B	No	Grey	N/A	35	Silt	None	Forest	30/06/2015	Mostly B- with minor A-horizon	RV	Yes
2615542	503397	5303913			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	30/06/2015		RV	No
2615543	502211	5303849			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	30/06/2015		RV	No
2615544	502202	5303812			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	30/06/2015		RV	No
2615545	502173	5303919			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	30/06/2015		RV	No
2615546	503416	5303859			Dry	Dry	B	No	Rusty brown	N/A	50	Silt	None	Forest	30/06/2015		RV	No
2615547	503391	5303804			Dry	Dry	B	No	Rusty brown	N/A	40	Silt	None	Forest	30/06/2015		RV	No
2615548	503399	5303760			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	30/06/2015		RV	Yes
2615549	504998	5303075			Dry	Dry	B	No	Rusty brown	N/A	40	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615550	504998	5303075	FD	2615549	Dry	Dry	B	No	Rusty brown	N/A	40	Silt	None	Forest	01/07/2015		LJ/RV	Yes
2615551	503999	5302676			Dry	Dry	B	No	Rusty brown	N/A	40	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615552	503993	5302781			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615553	503984	5302874			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615554	503997	5302919			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615555	504007	5302973			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615556	504001	5303022			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615557	504008	5303069			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615558	503991	5303123			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615559	503994	5303174			Dry	Dry	B	No	Rusty brown	N/A	35	Silt	None	Forest	30/06/2015		TW/CV	Yes

Sample ID	UTM Easting	UTM Northing	QAQC	Primary Sample	Site Drainage	Sample Moisture	Horizon Sampled	Charcoal Present?	Sample Colour	Depth to Water (cm)	Depth to Sample (cm)	Substrate Type	Contamination	Vegetation	Date	Comments	Sampler	Photo
2615560			Blank												30/06/2015		TW/CV	N/A
2615561	504001	5303226			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615562	503994	5303274			Dry	Dry	B	No	Brown	N/A	40	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615563	503993	5303310			Dry	Dry	B	No	Grey brown	N/A	30	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615564	504013	5303375			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615565	504008	5303418			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615566	503999	5303475			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615567	503998	5303518			Dry	Dry	B	No	Brown	N/A	35	Silt	None	Forest	30/06/2015		TW/CV	Yes
2615568	504604	5302875			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	01/07/2015		TW/CV	Yes
2615569	504608	5302803			Dry	Moist	B	No	Dark brown	N/A	30	Silt	None	Forest	01/07/2015		TW/CV	Yes
2615570	504608	5302803	FD	2615569	Dry	Dry	B	No	Dark brown	N/A	30	Silt	None	Forest	01/07/2015		TW/CV	Yes
2615571	504603	5302769			Dry	Dry	B	No	Rusty brown	N/A	30	Silt	None	Forest	01/07/2015		TW/CV	Yes
2615572	504599	5302730			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	01/07/2015		TW/CV	Yes
2615573	504600	5302679			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	01/07/2015		TW/CV	Yes
2615574	504605	5302634			Dry	Dry	B	No	Grey brown	N/A	30	Silt	None	Forest	01/07/2015		TW/CV	Yes
2615575	504598	5302582			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	01/07/2015		TW/CV	Yes
2615576	504605	5302534			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	01/07/2015		TW/CV	Yes
2615577	504614	5302462			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	01/07/2015		TW/CV	Yes
2615578	504605	5302429			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	01/07/2015		TW/CV	Yes
2615579	504607	5302374			Dry	Dry	B	No	Dark brown	N/A	30	Silt	None	Forest	01/07/2015		TW/CV	Yes
2615580			Blank												01/07/2015		TW/CV	N/A
2615581	504595	5302327			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	01/07/2015		TW/CV	Yes
2615582	504604	5302282			Dry	Dry	B	No	Grey brown	N/A	35	Silt	None	Forest	01/07/2015		TW/CV	Yes
2615583	504601	5302233			Dry	Dry	B	No	Brown	N/A	30	Silt	None	Forest	01/07/2015		TW/CV	Yes
2615584	504493	5303089			Dry	Moist	B	No	Brown	N/A	30	Silt	None	Forest	01/07/2015		TW/CV	Yes

Appendix E: Certificates of Analysis for Soil Samples

Certificate of Analysis
Work Order : VC151536
[Report File No.: 0000012032]

Date: July 30, 2015

To: **RON VOORDOUW**
EQUITY EXPLORATION CONSULTANTS LTD
200-900 WEST HASTINGS ST
VANCOUVER BC V6C 1E5

P.O. No.: KSK-15-13_01/2615201-2615284
Project No.: -
Samples: 84
Received: Jul 9, 2015
Pages: Page 1 to 22
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
84	G_LOG02	Pre-preparation processing, sorting, logging, boxing
84	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Storage: Pulp & Reject

REJECT STORAGE : STORE FOR 30 DAYS

Certified By : ______________________
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
2615201	10.4	71	20	0.3	490	<0.5	151	16
2615202	2.8	6	<10	0.3	250	<0.5	61	1
2615203	10.1	256	<10	0.2	380	<0.5	15	14
2615204	7.9	193	10	<0.1	500	<0.5	93	28
2615205	12.6	258	20	<0.1	790	<0.5	62	15
2615206	6.8	288	50	<0.1	1390	1.6	75	10
2615207	5.2	302	<10	<0.1	460	<0.5	11	8
2615208	2.4	325	50	<0.1	1550	1.2	68	22
2615209	11.8	79	<10	<0.1	420	<0.5	246	10
2615210	13.7	78	<10	<0.1	420	<0.5	250	10
2615211	4.9	372	50	<0.1	1180	1.1	17	11
2615212	2.7	269	30	<0.1	820	1.8	81	22
2615213	3.8	350	10	<0.1	400	<0.5	10	8
2615214	21.0	347	20	<0.1	930	<0.5	9	16
2615215	7.0	272	<10	<0.1	150	<0.5	<2	10
2615216	9.6	160	<10	0.1	1090	<0.5	135	3
2615217	5.1	295	<10	<0.1	490	0.5	11	6
2615218	5.1	323	20	<0.1	1770	1.5	34	10
2615219	10.2	402	80	<0.1	1640	2.3	33	25
2615220	0.8	7	<10	0.3	740	<0.5	85	2
2615221	26.9	262	<10	0.3	720	0.7	17	16
2615222	3.5	273	10	0.1	930	1.8	20	7
2615223	7.6	257	10	<0.1	870	<0.5	105	11
2615224	6.4	33	<10	<0.1	580	<0.5	95	7
2615225	14.0	255	<10	<0.1	530	<0.5	47	30
2615226	13.3	286	30	<0.1	1300	1.0	51	25
2615227	12.6	217	10	<0.1	680	<0.5	18	7
2615228	4.4	397	20	0.1	690	0.6	8	15
2615229	9.6	332	30	<0.1	1030	1.3	12	10
2615230	8.9	312	30	<0.1	840	1.1	9	9
2615231	6.5	319	10	<0.1	1460	0.7	13	10
2615232	2.5	333	40	<0.1	820	1.4	20	7
2615233	8.0	322	30	0.2	530	1.3	42	16
2615234	29.1	348	20	<0.1	1060	0.5	27	7
2615235	31.5	300	60	<0.1	1420	0.9	73	11
2615236	3.8	92	<10	0.6	470	<0.5	127	3
2615237	10.6	23	30	0.6	380	<0.5	158	9
2615238	12.7	182	30	0.1	450	0.7	25	8
2615239	10.9	118	<10	<0.1	120	<0.5	19	6
2615240	0.6	2	<10	0.1	710	<0.5	96	2

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
2615241	12.6	253	<10	<0.1	320	<0.5	8	20
2615242	15.9	213	<10	<0.1	340	<0.5	16	10
2615243	8.6	260	<10	<0.1	450	<0.5	9	31
2615244	14.1	276	10	0.1	860	<0.5	26	16
2615245	13.1	245	<10	<0.1	470	<0.5	24	16
2615246	4.6	300	<10	<0.1	700	0.9	11	23
2615247	7.5	269	<10	<0.1	480	<0.5	10	13
2615248	13.1	288	<10	<0.1	360	<0.5	19	11
2615249	6.8	169	10	0.2	330	0.9	93	5
2615250	6.0	201	20	<0.1	370	1.0	96	5
2615251	7.7	146	<10	0.1	540	<0.5	221	11
2615252	18.5	148	<10	1.2	370	<0.5	89	6
2615253	12.6	291	10	<0.1	1190	1.0	44	15
2615254	8.8	296	<10	<0.1	720	1.1	7	14
2615255	4.9	378	<10	<0.1	520	<0.5	8	10
2615256	4.7	322	10	<0.1	780	<0.5	38	25
2615257	8.1	344	30	<0.1	1210	1.2	18	33
2615258	13.9	296	10	<0.1	1090	1.0	38	16
2615259	8.5	233	<10	<0.1	1680	<0.5	39	33
2615260	0.8	7	<10	<0.1	730	<0.5	86	2
2615261	2.2	334	<10	<0.1	720	0.9	<2	13
2615262	28.9	117	<10	0.2	730	<0.5	23	11
2615263	8.8	263	<10	<0.1	500	<0.5	<2	13
2615264	4.6	300	<10	<0.1	540	1.0	<2	9
2615265	2.5	323	10	<0.1	560	0.8	3	11
2615266	13.7	241	10	0.1	600	0.6	66	17
2615267	7.8	339	80	<0.1	690	1.8	17	6
2615268	5.8	347	50	<0.1	1000	3.0	52	20
2615269	10.6	359	20	<0.1	1010	1.2	49	30
2615270	10.1	326	30	<0.1	980	1.3	52	24
2615271	9.1	267	<10	0.1	400	0.6	29	4
2615272	2.9	262	<10	<0.1	420	<0.5	13	27
2615273	4.6	152	<10	<0.1	230	<0.5	40	11
2615274	4.5	237	10	<0.1	140	<0.5	7	10
2615275	9.4	268	<10	<0.1	450	<0.5	26	15
2615276	17.5	254	<10	<0.1	270	<0.5	17	37
2615277	32.8	138	<10	<0.1	440	<0.5	191	5
2615278	11.8	320	<10	<0.1	410	<0.5	12	10
2615279	9.9	250	80	0.1	590	<0.5	87	22
2615280	0.9	6	<10	<0.1	730	<0.5	98	2

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
2615281	5.8	264	40	<0.1	810	0.7	55	33
2615282	7.3	313	60	0.2	550	<0.5	52	15
2615283	12.2	305	30	<0.1	380	0.6	22	31
2615284	4.5	279	190	0.1	1530	3.5	102	16
*Rep 2615201	10.5	67	20	0.2	500	<0.5	152	17
*Rep 2615219	10.1	353	70	<0.1	1470	1.9	33	26
*Rep 2615231	6.9	356	10	<0.1	1490	0.5	22	12
*Rep 2615243	7.5	264	<10	<0.1	440	<0.5	9	30
*Rep 2615266	12.8	233	20	<0.1	600	0.8	62	14
*Rep 2615281	6.0	276	60	0.3	880	0.6	73	38
*Std AMIS0169	8.3	66	<10	0.3	990	<0.5	32	2
*Std MMISRM18	19.3	24	10	7.2	140	<0.5	188	76
*Blk BLANK	<0.5	<1	<10	<0.1	<10	<0.5	<2	<1
*Blk BLANK	<0.5	<1	<10	<0.1	<10	<0.5	<2	<1
*Blk BLANK	<0.5	1	<10	<0.1	<10	<0.5	<2	<1
*Blk BLANK	<0.5	1	<10	<0.1	<10	<0.5	2	<1

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615201	103	110	200	2.0	1070	5.6	2.4	1.9
2615202	31	450	300	0.7	270	12.0	5.8	4.8
2615203	169	55	200	5.8	360	15.7	7.5	5.2
2615204	150	47	300	3.5	710	15.9	7.2	4.5
2615205	441	97	200	6.1	380	23.9	11.4	7.7
2615206	529	132	500	9.1	500	44.7	20.1	18.6
2615207	146	60	200	11.3	210	15.0	7.1	4.9
2615208	202	188	1100	23.6	410	18.0	9.1	6.1
2615209	68	8	<100	6.6	340	13.3	7.1	4.9
2615210	89	7	<100	7.1	290	14.9	8.1	5.5
2615211	260	208	300	12.3	330	14.3	6.9	4.6
2615212	54	51	400	1.9	260	6.2	3.5	2.1
2615213	37	73	100	1.0	120	6.2	3.5	1.7
2615214	126	164	200	11.5	340	17.4	10.0	4.8
2615215	73	50	<100	9.2	220	12.7	6.9	2.9
2615216	279	47	<100	11.6	910	27.6	14.5	7.7
2615217	175	67	200	7.1	250	19.6	9.2	5.9
2615218	137	34	400	4.4	300	15.9	8.5	5.4
2615219	403	213	700	5.8	520	27.9	14.5	9.0
2615220	12	6	<100	0.4	310	3.5	1.5	1.0
2615221	178	95	200	4.6	590	18.5	9.2	5.3
2615222	233	24	300	7.5	400	18.9	7.1	7.0
2615223	88	133	300	6.9	140	10.6	5.3	3.4
2615224	34	90	600	1.0	140	4.4	2.1	1.5
2615225	53	102	<100	6.2	220	8.1	3.9	1.9
2615226	48	81	200	3.4	280	7.7	4.7	2.1
2615227	257	88	300	3.7	330	18.8	9.0	7.0
2615228	69	111	200	6.4	460	9.4	5.7	2.4
2615229	78	108	400	2.3	290	7.8	4.3	2.5
2615230	73	101	300	1.9	270	7.8	4.5	2.5
2615231	113	105	300	6.6	260	12.4	6.2	4.1
2615232	48	30	300	1.5	150	4.2	2.2	1.6
2615233	72	29	300	5.5	240	10.1	4.9	2.8
2615234	71	83	300	5.5	330	8.6	4.5	2.4
2615235	214	101	300	5.3	430	21.0	11.5	6.1
2615236	263	190	<100	5.7	1000	17.2	7.8	7.1
2615237	285	597	200	1.9	1650	9.9	4.6	5.2
2615238	294	167	200	7.2	640	18.5	9.1	7.2
2615239	118	24	<100	6.1	230	19.1	10.7	7.1
2615240	8	4	<100	0.3	330	2.9	1.3	1.0

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615241	28	53	<100	8.5	230	5.9	4.1	1.3
2615242	119	26	<100	5.9	230	12.7	6.6	3.9
2615243	29	44	<100	2.3	350	6.3	5.0	1.5
2615244	122	92	200	8.9	410	12.5	6.4	4.0
2615245	94	113	<100	4.1	260	12.6	7.4	3.8
2615246	42	28	<100	2.9	230	8.6	5.2	2.0
2615247	80	85	<100	9.4	270	8.8	5.2	2.8
2615248	69	131	<100	3.4	400	10.1	5.4	2.6
2615249	1230	119	200	2.2	1790	65.7	35.6	25.9
2615250	1030	158	300	2.5	1830	56.2	32.8	20.0
2615251	87	18	200	3.9	230	6.3	3.0	2.4
2615252	219	203	100	5.4	890	15.1	6.9	5.9
2615253	82	138	200	5.9	260	8.2	4.9	2.7
2615254	83	147	200	4.8	250	10.2	5.8	2.6
2615255	35	69	<100	3.7	120	5.9	3.9	1.8
2615256	49	118	200	6.3	390	8.8	5.0	2.0
2615257	74	72	300	9.2	320	6.9	3.4	2.0
2615258	156	117	200	5.5	490	12.3	5.5	4.1
2615259	41	18	<100	7.1	280	8.1	4.0	2.2
2615260	8	5	<100	0.4	330	2.9	1.4	0.8
2615261	62	33	100	2.8	120	7.2	4.0	2.4
2615262	296	24	<100	3.4	240	27.6	14.8	11.4
2615263	180	123	<100	4.1	200	17.3	10.0	5.7
2615264	133	51	200	4.1	170	16.4	8.9	4.1
2615265	86	95	200	4.6	430	11.0	6.0	3.1
2615266	289	61	100	8.4	270	23.8	12.3	8.4
2615267	310	232	600	8.1	300	16.4	7.8	5.5
2615268	818	516	500	5.3	1080	30.2	15.7	9.5
2615269	85	208	500	7.4	580	9.7	5.3	2.4
2615270	95	207	500	7.8	500	10.0	5.7	2.7
2615271	392	39	200	8.7	320	18.9	8.3	7.9
2615272	98	237	<100	4.4	390	14.7	9.2	3.5
2615273	154	58	<100	4.7	330	19.3	8.3	6.8
2615274	115	79	<100	3.7	740	16.8	8.6	4.8
2615275	22	192	100	2.7	140	5.3	3.7	1.5
2615276	55	184	<100	5.1	270	9.4	5.2	2.3
2615277	79	20	<100	2.1	270	7.9	3.9	3.4
2615278	58	59	400	5.0	550	7.8	3.9	2.1
2615279	69	89	100	7.1	150	7.4	4.3	1.8
2615280	8	5	<100	0.3	330	3.0	1.3	0.8

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615281	222	131	300	8.3	260	15.8	8.2	5.7
2615282	96	119	300	7.5	380	9.7	5.3	3.1
2615283	148	128	200	9.0	400	19.2	10.4	6.5
2615284	750	184	800	20.4	600	36.5	16.2	16.8
*Rep 2615201	107	115	200	2.0	1060	5.5	2.6	2.2
*Rep 2615219	347	192	600	5.4	510	27.6	14.4	8.3
*Rep 2615231	110	124	300	7.0	270	12.5	6.5	4.0
*Rep 2615243	25	46	<100	2.3	350	5.9	4.5	1.3
*Rep 2615266	301	60	100	7.6	280	25.9	12.0	8.7
*Rep 2615281	240	136	300	8.6	280	15.2	7.3	5.4
*Std AMIS0169	752	101	100	8.1	3960	27.6	12.5	10.4
*Std MMISRM18	27	72	<100	4.5	860	3.1	1.3	1.1
*Blk BLANK	<2	<1	<100	<0.2	<10	<0.5	<0.2	<0.2
*Blk BLANK	<2	1	<100	<0.2	<10	<0.5	<0.2	<0.2
*Blk BLANK	2	1	<100	<0.2	<10	<0.5	<0.2	<0.2
*Blk BLANK	2	1	<100	<0.2	<10	0.6	0.3	<0.2

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
2615201	43	6.7	7.4	<1	<0.1	15.6	31	1
2615202	4	<0.5	17.8	<1	<0.1	5.6	38	<1
2615203	33	10.2	19.0	1	0.1	5.8	73	2
2615204	193	13.3	16.8	<1	0.2	6.9	57	5
2615205	99	6.9	28.2	<1	0.2	7.8	120	3
2615206	107	15.7	68.8	1	0.3	9.5	306	9
2615207	26	6.8	17.3	1	<0.1	5.3	56	3
2615208	210	23.4	21.7	1	0.3	12.1	85	19
2615209	11	1.0	19.0	<1	<0.1	7.0	37	2
2615210	9	1.0	22.7	<1	<0.1	6.3	40	3
2615211	142	19.3	15.2	2	0.4	8.6	55	7
2615212	142	43.8	6.6	<1	0.4	15.3	25	5
2615213	95	47.3	5.6	<1	0.1	5.8	16	4
2615214	99	17.7	16.4	2	0.2	10.3	65	6
2615215	19	7.1	10.1	<1	0.1	5.6	29	2
2615216	21	2.0	30.5	<1	<0.1	6.4	104	3
2615217	96	35.5	20.9	<1	0.2	4.8	87	4
2615218	136	22.5	19.8	1	0.5	6.4	84	8
2615219	316	49.7	32.1	2	0.5	5.2	145	5
2615220	9	1.5	4.3	<1	<0.1	6.1	4	6
2615221	65	7.4	19.0	<1	0.2	4.8	74	4
2615222	107	30.4	23.9	1	0.2	8.4	141	10
2615223	59	5.8	12.8	1	0.2	5.8	34	4
2615224	38	1.4	5.5	<1	<0.1	7.4	13	2
2615225	48	8.5	8.4	1	0.1	21.9	24	3
2615226	195	34.4	7.6	1	0.2	12.0	35	15
2615227	62	8.1	22.9	1	0.2	5.7	124	4
2615228	155	12.3	8.9	<1	0.2	9.4	35	10
2615229	204	42.3	8.4	1	0.3	8.8	41	11
2615230	202	42.0	8.4	1	0.3	8.0	40	10
2615231	99	21.1	13.8	<1	0.2	9.5	60	5
2615232	141	52.4	4.4	<1	0.2	10.3	27	7
2615233	148	37.7	10.2	2	0.2	10.7	33	7
2615234	162	22.3	8.0	1	0.2	5.6	34	8
2615235	133	28.1	25.0	<1	0.2	13.9	83	18
2615236	12	2.6	26.2	<1	<0.1	20.3	116	<1
2615237	18	1.4	19.2	<1	<0.1	23.3	107	<1
2615238	68	21.6	25.6	<1	0.2	18.8	104	4
2615239	16	5.1	23.1	<1	<0.1	7.3	61	<1
2615240	2	0.7	3.8	<1	<0.1	6.3	3	5

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
2615241	50	9.1	3.8	<1	0.1	6.8	13	2
2615242	54	13.6	13.1	<1	0.1	9.0	56	1
2615243	102	20.8	5.3	<1	0.2	7.3	14	1
2615244	51	10.9	12.6	1	0.1	6.6	55	2
2615245	38	8.2	12.7	1	0.1	7.7	41	3
2615246	67	23.0	6.4	1	0.3	16.0	21	3
2615247	58	13.8	9.3	1	0.2	9.6	37	3
2615248	74	6.8	8.6	<1	0.2	3.3	29	2
2615249	107	9.7	97.2	<1	0.1	4.4	514	1
2615250	150	10.8	80.1	<1	0.2	4.5	426	1
2615251	92	21.7	8.7	<1	<0.1	5.5	46	13
2615252	53	12.2	21.2	<1	<0.1	16.1	92	3
2615253	77	12.2	9.5	1	0.2	11.1	35	5
2615254	118	16.1	9.6	2	0.2	8.2	36	3
2615255	92	48.4	5.3	<1	0.2	8.8	15	4
2615256	67	11.0	6.8	2	0.2	15.0	22	3
2615257	101	20.9	7.0	3	0.4	16.9	37	6
2615258	73	12.8	13.6	2	0.2	18.9	76	2
2615259	27	5.7	7.4	1	<0.1	8.2	18	10
2615260	3	0.6	3.8	<1	<0.1	6.9	3	6
2615261	100	59.2	7.4	<1	0.3	9.7	32	6
2615262	11	5.1	45.5	1	<0.1	6.8	220	<1
2615263	24	13.1	18.3	<1	0.1	6.6	85	3
2615264	102	55.9	15.0	<1	0.2	5.3	67	7
2615265	147	16.5	10.5	<1	0.2	6.6	34	3
2615266	85	10.5	28.9	1	0.2	10.5	126	3
2615267	200	26.3	19.4	2	0.3	6.8	119	5
2615268	240	33.0	36.4	2	0.5	13.4	273	10
2615269	218	25.6	8.9	2	0.4	14.8	39	7
2615270	179	21.1	10.5	2	0.3	8.7	43	7
2615271	64	38.1	25.0	<1	0.1	6.9	184	6
2615272	43	10.3	13.0	<1	0.1	7.1	42	3
2615273	17	6.3	21.7	<1	<0.1	6.0	88	<1
2615274	34	7.1	16.0	<1	0.2	6.6	45	2
2615275	125	28.0	5.0	<1	0.2	7.2	9	7
2615276	30	6.7	8.7	<1	<0.1	11.0	20	4
2615277	24	13.8	11.9	<1	<0.1	8.5	59	7
2615278	117	8.6	6.3	<1	0.2	6.8	29	5
2615279	79	16.3	6.1	<1	0.2	8.5	22	4
2615280	4	1.2	4.0	<1	<0.1	6.9	3	5

Final : VC151536 Order: KSK-15-13_01/2615201-2615284

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
2615281	103	23.2	20.7	2	0.2	11.9	68	4
2615282	132	19.1	11.1	2	0.2	8.5	39	6
2615283	100	27.9	22.6	<1	0.2	13.0	62	6
2615284	203	42.0	55.8	1	0.4	9.3	258	29
*Rep 2615201	43	6.5	8.0	<1	<0.1	15.1	32	2
*Rep 2615219	286	45.5	30.2	1	0.3	5.4	120	5
*Rep 2615231	90	18.2	12.9	<1	0.2	8.9	56	6
*Rep 2615243	108	18.5	4.2	<1	0.1	8.6	12	<1
*Rep 2615266	87	10.7	30.2	1	0.2	10.2	138	3
*Rep 2615281	123	23.8	19.0	2	0.3	12.9	74	4
*Std AMIS0169	43	10.7	43.1	<1	<0.1	42.2	422	3
*Std MMISRM18	6	1.0	4.8	7	<0.1	24.2	7	<1
*Blk BLANK	1	0.5	<0.5	<1	<0.1	<0.5	<1	<1
*Blk BLANK	<1	<0.5	<0.5	<1	<0.1	<0.5	<1	<1
*Blk BLANK	1	<0.5	<0.5	<1	<0.1	<0.5	1	<1
*Blk BLANK	1	<0.5	<0.5	<1	<0.1	<0.5	1	<1

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
2615201	160	4100	12	3.2	41	4430	0.8	185
2615202	206	6200	<2	<0.5	91	11900	0.1	22
2615203	4.6	1300	4	3.0	100	910	1.9	235
2615204	48.3	400	3	6.9	77	1330	2.4	119
2615205	9.1	1800	2	3.3	146	756	1.7	253
2615206	14.5	4700	6	8.4	386	888	3.9	573
2615207	1.2	1000	3	1.9	81	499	1.5	272
2615208	31.4	600	5	10.0	107	2160	5.0	309
2615209	64.7	2900	<2	<0.5	82	600	0.3	55
2615210	66.7	3100	<2	<0.5	91	656	0.3	34
2615211	7.4	900	5	6.7	72	580	5.7	437
2615212	15.1	2900	2	12.5	31	585	6.9	384
2615213	5.7	200	<2	10.1	22	346	1.9	199
2615214	3.8	1400	3	5.0	78	519	2.7	246
2615215	0.7	100	<2	0.9	50	164	0.6	384
2615216	19.1	2000	<2	<0.5	145	281	0.3	249
2615217	1.7	500	3	8.4	112	220	2.1	157
2615218	3.9	800	4	7.9	103	418	5.2	343
2615219	7.7	8900	8	21.6	181	1320	7.5	459
2615220	18.9	800	<2	<0.5	16	16	0.4	140
2615221	3.7	1000	3	3.4	91	464	1.2	442
2615222	7.0	6100	7	8.7	138	310	5.9	425
2615223	12.1	1200	3	1.4	46	1400	2.0	445
2615224	198	1800	<2	<0.5	25	7120	0.3	56
2615225	10.0	2400	<2	0.8	30	831	2.8	414
2615226	32.7	4900	4	11.1	34	1040	6.9	382
2615227	3.6	300	3	4.1	143	223	1.3	456
2615228	9.2	400	2	9.3	40	452	2.3	350
2615229	12.4	300	6	15.9	45	526	4.3	245
2615230	11.3	200	5	13.8	44	522	4.0	241
2615231	5.7	1500	4	7.5	67	417	3.1	330
2615232	5.8	300	6	21.7	23	400	3.9	168
2615233	34.1	3500	6	13.0	40	3180	5.9	360
2615234	5.7	700	4	8.8	36	409	3.5	276
2615235	12.8	2200	5	14.3	112	537	3.2	536
2615236	5.2	5100	5	1.5	166	204	0.7	195
2615237	153	9900	5	<0.5	150	9040	1.0	194
2615238	2.6	6100	8	5.2	157	307	4.2	364
2615239	<0.5	300	2	<0.5	111	90	0.2	192
2615240	19.7	600	2	<0.5	14	30	<0.1	138

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
2615241	0.8	200	<2	1.7	19	164	0.7	243
2615242	0.9	300	<2	2.0	66	296	0.7	245
2615243	2.3	600	<2	1.0	21	451	1.5	223
2615244	1.9	4600	3	2.8	66	364	3.0	129
2615245	3.0	900	<2	1.0	57	369	1.6	237
2615246	2.6	2700	<2	4.0	27	478	3.2	791
2615247	0.9	1100	2	3.2	47	340	1.5	452
2615248	2.1	200	3	1.1	40	321	0.9	138
2615249	11.7	2700	7	4.4	664	175	0.8	229
2615250	11.8	3300	8	5.8	549	180	1.0	225
2615251	37.2	300	5	8.1	53	198	2.0	91
2615252	7.1	5500	7	3.9	107	170	2.8	125
2615253	3.2	5600	3	4.1	41	494	4.0	310
2615254	2.5	2000	2	4.1	47	326	3.2	304
2615255	2.1	400	<2	7.2	22	202	2.3	251
2615256	3.4	3700	3	3.0	31	382	4.5	253
2615257	1.8	9200	6	5.1	36	371	21.0	294
2615258	6.5	6400	5	3.2	77	326	6.4	262
2615259	2.4	2200	3	0.9	26	400	3.3	151
2615260	19.5	700	3	<0.5	13	12	0.3	145
2615261	1.9	1000	4	13.1	36	151	6.6	325
2615262	0.9	900	5	<0.5	273	64	0.4	5250
2615263	<0.5	1300	2	0.9	104	146	1.2	269
2615264	2.0	2500	4	15.0	77	299	2.1	265
2615265	1.0	1000	3	5.8	47	187	1.9	251
2615266	5.0	3900	4	3.8	166	296	1.8	337
2615267	3.9	4100	7	13.9	115	222	3.8	355
2615268	13.6	4000	8	16.8	262	763	7.3	551
2615269	6.1	4000	4	7.5	47	478	4.7	354
2615270	5.0	4400	4	5.6	49	464	5.0	368
2615271	2.4	800	4	12.0	189	135	2.1	150
2615272	1.2	1000	<2	0.8	59	432	1.1	298
2615273	1.4	600	<2	<0.5	113	268	0.4	275
2615274	0.7	<100	<2	<0.5	71	197	0.6	454
2615275	7.7	100	<2	4.7	16	733	1.4	255
2615276	2.1	600	<2	<0.5	35	883	0.9	251
2615277	15.0	2500	4	3.2	73	144	1.0	56
2615278	1.0	300	2	2.5	33	409	2.1	140
2615279	6.3	2600	3	3.9	26	847	2.3	281
2615280	19.2	800	2	<0.5	13	29	0.1	146

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
2615281	3.2	5300	5	4.6	101	958	11.8	208
2615282	4.0	4600	4	4.1	50	806	7.6	138
2615283	6.6	1700	3	6.7	103	877	3.4	186
2615284	19.9	5000	7	19.7	318	608	4.5	457
*Rep 2615201	155	4300	11	2.8	43	4580	0.9	209
*Rep 2615219	7.4	8700	7	18.6	151	1370	6.4	484
*Rep 2615231	5.1	1500	4	7.0	69	406	2.7	333
*Rep 2615243	2.5	500	<2	1.1	19	384	1.3	207
*Rep 2615266	4.7	3300	4	3.6	178	271	1.7	358
*Rep 2615281	4.0	5700	6	5.5	106	969	12.2	199
*Std AMIS0169	31.1	3900	4	3.4	362	395	2.5	111
*Std MMISRM18	92.0	1000	30	<0.5	18	443	0.7	248
*Blk BLANK	<0.5	<100	<2	<0.5	<1	<5	<0.1	<5
*Blk BLANK	<0.5	<100	<2	<0.5	<1	<5	<0.1	<5
*Blk BLANK	<0.5	<100	<2	<0.5	1	<5	<0.1	<5
*Blk BLANK	<0.5	<100	<2	<0.5	1	6	<0.1	<5

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615201	<1	8.8	0.1	66	2.3	21	8	1
2615202	<1	16.6	<0.1	14	<0.5	13	20	<1
2615203	<1	21.5	<0.1	93	0.9	43	21	<1
2615204	<1	16.9	<0.1	70	0.6	39	17	<1
2615205	<1	34.1	<0.1	120	1.0	38	30	<1
2615206	<1	90.5	<0.1	126	2.1	68	80	2
2615207	<1	17.2	<0.1	106	<0.5	42	19	<1
2615208	<1	24.2	<0.1	125	1.6	64	23	1
2615209	<1	16.0	<0.1	59	<0.5	17	20	<1
2615210	<1	17.8	<0.1	65	<0.5	18	23	<1
2615211	<1	16.3	<0.1	75	1.7	48	16	<1
2615212	<1	7.0	<0.1	120	0.8	44	7	3
2615213	<1	4.6	<0.1	32	<0.5	31	5	1
2615214	<1	18.5	<0.1	68	0.5	47	17	<1
2615215	<1	10.7	<0.1	60	<0.5	32	11	<1
2615216	<1	31.4	<0.1	62	<0.5	42	31	<1
2615217	<1	25.4	<0.1	77	0.6	44	25	1
2615218	<1	24.1	<0.1	69	0.8	48	22	<1
2615219	<1	42.2	<0.1	75	2.0	74	37	4
2615220	<1	2.8	<0.1	12	<0.5	6	4	<1
2615221	<1	21.8	<0.1	121	0.9	54	20	<1
2615222	<1	35.7	<0.1	107	1.1	56	27	2
2615223	<1	10.5	<0.1	87	<0.5	36	12	<1
2615224	<1	5.1	<0.1	35	<0.5	22	6	<1
2615225	<1	7.5	<0.1	177	0.7	26	8	<1
2615226	<1	7.9	<0.1	121	1.0	51	7	2
2615227	<1	35.4	<0.1	98	<0.5	64	27	<1
2615228	<1	9.5	<0.1	111	0.6	46	9	<1
2615229	<1	10.8	<0.1	111	0.8	52	10	4
2615230	<1	10.5	<0.1	102	0.9	46	9	3
2615231	<1	16.9	<0.1	126	0.5	56	14	<1
2615232	<1	5.7	<0.1	49	0.8	48	5	4
2615233	<1	9.2	<0.1	120	0.8	49	10	2
2615234	<1	9.4	<0.1	125	<0.5	43	8	<1
2615235	<1	25.6	<0.1	164	1.3	75	26	2
2615236	<1	35.5	<0.1	160	0.6	50	33	<1
2615237	<1	32.8	<0.1	100	1.1	27	26	<1
2615238	<1	36.7	<0.1	155	0.9	67	31	1
2615239	<1	23.9	<0.1	57	<0.5	58	26	<1
2615240	<1	2.5	<0.1	12	<0.5	17	4	<1

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615241	<1	4.3	<0.1	102	<0.5	48	4	<1
2615242	<1	15.8	<0.1	87	0.8	56	14	<1
2615243	<1	4.8	<0.1	75	<0.5	21	5	<1
2615244	<1	15.6	<0.1	122	1.0	50	15	<1
2615245	<1	12.9	<0.1	105	<0.5	37	13	<1
2615246	<1	6.3	<0.1	128	0.6	21	6	<1
2615247	<1	11.0	<0.1	95	<0.5	26	10	<1
2615248	<1	8.6	<0.1	51	<0.5	26	9	<1
2615249	<1	155	<0.1	38	0.9	82	119	<1
2615250	<1	122	<0.1	40	0.8	94	100	<1
2615251	<1	12.9	<0.1	79	<0.5	20	10	<1
2615252	<1	26.9	<0.1	109	0.8	41	24	<1
2615253	<1	9.9	<0.1	176	<0.5	38	10	<1
2615254	<1	11.4	<0.1	184	<0.5	32	10	<1
2615255	<1	4.8	<0.1	224	<0.5	23	5	1
2615256	<1	6.5	<0.1	149	0.6	41	7	<1
2615257	<1	9.1	<0.1	202	2.2	31	7	2
2615258	<1	18.7	<0.1	131	0.8	39	16	<1
2615259	<1	5.8	<0.1	207	<0.5	21	8	<1
2615260	<1	2.1	<0.1	14	<0.5	<5	4	<1
2615261	<1	8.4	<0.1	138	0.7	33	7	3
2615262	<1	62.2	<0.1	89	0.8	42	50	<1
2615263	<1	24.0	<0.1	131	<0.5	42	21	<1
2615264	<1	19.1	<0.1	84	<0.5	59	16	4
2615265	<1	11.1	<0.1	64	0.9	41	12	<1
2615266	<1	38.2	<0.1	153	0.6	42	36	<1
2615267	<1	30.7	<0.1	76	1.4	75	24	2
2615268	<1	68.9	<0.1	99	1.7	81	48	4
2615269	<1	10.9	<0.1	97	0.8	69	10	1
2615270	<1	12.3	<0.1	93	0.7	68	12	<1
2615271	<1	47.9	<0.1	77	<0.5	62	33	2
2615272	<1	14.1	<0.1	102	<0.5	43	13	<1
2615273	<1	25.9	<0.1	80	<0.5	53	24	<1
2615274	<1	16.5	<0.1	43	<0.5	44	14	<1
2615275	<1	3.3	<0.1	48	<0.5	35	4	<1
2615276	<1	7.4	<0.1	91	<0.5	30	8	<1
2615277	<1	16.4	<0.1	59	0.6	28	15	<1
2615278	<1	7.7	<0.1	54	0.7	46	7	<1
2615279	<1	6.0	<0.1	98	0.7	26	6	<1
2615280	<1	2.2	<0.1	12	<0.5	7	4	<1

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615281	<1	25.0	<0.1	93	1.1	42	24	<1
2615282	<1	11.2	<0.1	110	1.1	42	11	<1
2615283	<1	22.4	<0.1	138	0.7	50	24	<1
2615284	<1	76.2	<0.1	110	2.6	82	68	3
*Rep 2615201	<1	9.5	<0.1	68	2.8	20	9	<1
*Rep 2615219	<1	37.3	<0.1	71	2.0	69	34	3
*Rep 2615231	<1	15.2	<0.1	121	0.6	58	14	<1
*Rep 2615243	<1	3.8	<0.1	66	<0.5	19	4	<1
*Rep 2615266	<1	42.0	<0.1	149	<0.5	45	35	<1
*Rep 2615281	<1	25.2	<0.1	91	1.1	44	22	<1
*Std AMIS0169	<1	98.0	0.2	253	1.1	59	60	<1
*Std MMISRM18	9	3.5	7.6	142	<0.5	<5	5	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	<5	<1	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	<5	<1	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	6	<1	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	6	<1	<1

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615201	260	1	1.0	10	7.0	920	0.2	5.8
2615202	160	<1	2.4	<10	4.1	30	0.1	1.5
2615203	<10	<1	2.7	<10	18.6	730	0.3	11.2
2615204	230	<1	2.7	<10	20.2	1410	0.2	10.9
2615205	230	<1	4.2	<10	29.2	730	0.4	7.7
2615206	210	<1	8.7	<10	37.8	2840	0.6	15.3
2615207	10	<1	2.6	<10	13.7	700	0.3	7.0
2615208	290	<1	3.3	<10	14.5	3420	0.5	8.4
2615209	660	<1	2.6	<10	7.6	100	<0.1	18.3
2615210	660	<1	2.8	<10	7.0	80	<0.1	20.4
2615211	130	<1	2.3	<10	22.6	2250	0.4	8.2
2615212	350	<1	1.1	<10	10.5	3810	0.3	5.0
2615213	170	<1	1.0	<10	3.2	3030	0.2	2.1
2615214	110	<1	2.7	<10	13.5	1840	0.5	8.2
2615215	<10	<1	2.1	<10	5.6	370	0.5	3.8
2615216	350	<1	4.9	<10	19.5	160	0.7	17.3
2615217	50	<1	3.4	<10	14.8	3220	0.4	7.2
2615218	170	<1	2.9	<10	28.3	1640	0.6	8.8
2615219	120	<1	5.0	<10	51.0	9060	0.4	16.0
2615220	230	<1	0.5	<10	2.9	250	0.1	1.8
2615221	60	<1	3.2	<10	26.2	1320	0.3	11.0
2615222	50	<1	3.3	<10	24.8	3160	0.5	13.9
2615223	320	<1	2.0	<10	11.2	920	0.3	7.0
2615224	260	<1	0.8	<10	4.6	270	<0.1	4.2
2615225	160	<1	1.2	<10	9.1	510	0.3	5.6
2615226	310	2	1.2	<10	14.0	4180	0.4	6.4
2615227	20	<1	3.4	<10	30.9	1840	0.2	11.3
2615228	70	<1	1.4	<10	10.2	2150	0.2	4.6
2615229	80	<1	1.4	<10	17.5	7260	0.4	6.5
2615230	70	<1	1.4	<10	17.0	6230	0.3	6.4
2615231	80	<1	2.0	<10	25.8	3250	0.4	7.7
2615232	120	<1	0.7	<10	12.5	8130	0.2	5.3
2615233	70	<1	1.7	<10	23.3	6280	0.5	11.6
2615234	100	<1	1.3	<10	13.5	4030	0.2	6.4
2615235	110	<1	3.6	<10	26.2	6440	0.4	10.4
2615236	120	<1	3.4	<10	25.9	490	0.3	13.8
2615237	220	<1	2.1	<10	17.3	210	0.4	5.3
2615238	<10	<1	3.5	<10	30.0	2100	0.2	12.7
2615239	<10	<1	3.5	<10	8.3	140	0.3	4.6
2615240	250	<1	0.5	<10	1.6	20	0.1	1.5

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615241	<10	<1	0.9	<10	4.9	680	0.2	2.5
2615242	20	<1	2.0	<10	7.3	910	0.3	3.5
2615243	80	<1	0.9	<10	2.5	500	0.3	1.2
2615244	40	<1	2.2	<10	20.5	1120	0.5	9.9
2615245	80	<1	2.1	<10	8.4	380	0.3	4.4
2615246	50	<1	1.2	<10	5.2	2000	0.4	2.6
2615247	40	<1	1.4	<10	7.8	1040	0.3	4.9
2615248	80	<1	1.7	<10	6.4	580	0.2	3.3
2615249	130	<1	12.0	<10	34.3	2020	0.2	26.2
2615250	150	<1	11.1	<10	31.4	2370	0.3	24.9
2615251	430	<1	1.2	<10	11.4	2810	0.2	6.2
2615252	80	<1	2.9	<10	21.1	1550	0.4	12.5
2615253	90	<1	1.5	<10	28.1	1430	0.3	11.9
2615254	50	1	1.7	<10	17.2	1710	0.3	7.2
2615255	160	<1	1.0	<10	4.0	2910	0.4	2.0
2615256	230	1	1.4	<10	15.3	1060	0.2	11.0
2615257	40	<1	1.1	<10	27.1	1670	0.6	9.8
2615258	90	<1	2.2	<10	21.8	1240	0.4	12.7
2615259	230	<1	1.2	<10	7.0	430	0.3	5.0
2615260	250	<1	0.5	<10	1.2	30	<0.1	1.7
2615261	30	<1	1.2	<10	8.1	5170	0.4	4.2
2615262	20	<1	5.3	<10	7.6	200	0.3	6.8
2615263	<10	<1	3.0	<10	5.2	530	0.4	3.9
2615264	<10	1	2.5	<10	21.3	7940	0.4	8.4
2615265	30	<1	1.7	<10	11.2	1790	0.3	4.5
2615266	120	<1	4.2	<10	18.7	1230	0.4	12.1
2615267	50	1	2.8	<10	50.2	6870	0.3	16.9
2615268	210	3	5.5	<10	62.6	7070	0.4	15.9
2615269	200	<1	1.6	<10	27.0	3270	0.5	10.1
2615270	190	<1	1.8	<10	29.8	2620	0.4	11.0
2615271	20	<1	3.5	<10	15.8	5200	0.5	8.0
2615272	80	<1	2.2	<10	4.2	530	0.1	4.0
2615273	50	<1	3.2	<10	9.4	260	0.3	4.6
2615274	<10	<1	2.8	<10	6.1	380	0.1	3.3
2615275	100	<1	0.8	<10	3.0	2190	0.3	2.3
2615276	20	<1	1.6	<10	5.5	330	0.2	5.4
2615277	300	<1	1.6	<10	7.8	1380	0.2	6.0
2615278	40	<1	1.2	<10	7.9	970	0.2	3.6
2615279	320	<1	1.2	<10	10.8	1350	0.2	5.7
2615280	230	<1	0.5	<10	1.1	40	<0.1	1.5

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615281	150	<1	2.7	<10	21.0	1600	0.4	11.3
2615282	180	<1	1.8	<10	14.1	1390	0.4	8.7
2615283	90	<1	3.5	<10	12.6	3150	0.4	6.3
2615284	250	1	7.1	<10	44.5	8300	0.8	13.2
*Rep 2615201	250	<1	1.0	<10	7.3	980	0.2	5.8
*Rep 2615219	120	<1	4.4	<10	46.1	7300	0.4	14.9
*Rep 2615231	90	<1	2.2	<10	24.1	3020	0.3	7.9
*Rep 2615243	100	<1	0.8	<10	1.8	460	0.2	1.1
*Rep 2615266	110	<1	4.4	<10	19.0	1150	0.3	11.9
*Rep 2615281	210	<1	2.7	<10	23.1	1850	0.5	12.2
*Std AMIS0169	80	<1	5.5	<10	65.6	560	1.1	23.2
*Std MMISRM18	1290	<1	0.6	<10	14.3	90	0.1	25.7
*Blk BLANK	<10	<1	<0.1	<10	<0.5	<10	<0.1	<0.5
*Blk BLANK	<10	<1	<0.1	<10	<0.5	<10	<0.1	<0.5
*Blk BLANK	<10	<1	<0.1	<10	<0.5	<10	<0.1	<0.5
*Blk BLANK	<10	<1	<0.1	<10	<0.5	<10	<0.1	<0.5

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
2615201	<0.5	26	1.7	830	25
2615202	<0.5	72	4.0	120	5
2615203	<0.5	80	5.2	590	41
2615204	<0.5	80	5.1	170	39
2615205	<0.5	121	8.2	130	46
2615206	0.7	240	13.2	320	80
2615207	<0.5	82	5.3	50	34
2615208	0.9	98	6.1	290	43
2615209	<0.5	84	5.4	150	15
2615210	<0.5	95	5.8	150	17
2615211	0.5	70	5.2	190	60
2615212	<0.5	35	2.7	1870	61
2615213	<0.5	38	3.2	320	31
2615214	<0.5	94	8.0	100	37
2615215	<0.5	68	5.0	200	18
2615216	<0.5	168	9.7	60	19
2615217	<0.5	101	6.6	340	44
2615218	0.6	80	5.9	120	64
2615219	2.4	133	11.4	270	127
2615220	<0.5	18	1.3	540	7
2615221	<0.5	88	6.4	210	53
2615222	1.4	76	5.3	580	71
2615223	<0.5	52	4.1	200	28
2615224	<0.5	22	1.4	100	11
2615225	<0.5	38	3.0	2920	26
2615226	0.7	43	3.7	9130	75
2615227	0.5	89	6.9	160	76
2615228	<0.5	51	3.8	440	36
2615229	1.3	43	3.4	250	58
2615230	1.1	37	3.5	200	52
2615231	0.5	60	4.7	600	72
2615232	1.4	23	2.0	280	69
2615233	0.9	46	3.5	460	62
2615234	<0.5	41	3.0	280	47
2615235	1.5	119	8.3	790	93
2615236	<0.5	90	6.0	120	55
2615237	<0.5	57	3.8	220	25
2615238	0.5	82	6.5	340	64
2615239	<0.5	104	7.7	40	19
2615240	<0.5	16	1.2	550	4

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
2615241	<0.5	35	3.8	80	22
2615242	<0.5	70	4.8	160	26
2615243	<0.5	39	4.5	800	13
2615244	0.6	62	4.6	370	51
2615245	<0.5	73	5.2	350	25
2615246	<0.5	45	3.8	350	22
2615247	<0.5	52	4.4	410	30
2615248	<0.5	62	3.8	80	19
2615249	0.6	408	26.9	140	68
2615250	0.5	407	23.0	110	70
2615251	2.0	32	2.3	470	44
2615252	1.4	62	4.8	130	49
2615253	<0.5	46	3.7	1320	71
2615254	<0.5	48	4.4	400	44
2615255	<0.5	36	3.6	1310	24
2615256	<0.5	51	3.6	1270	56
2615257	0.8	33	3.1	840	78
2615258	<0.5	54	3.9	1190	49
2615259	<0.5	35	2.9	8760	28
2615260	<0.5	19	1.0	650	5
2615261	1.0	40	3.7	170	51
2615262	<0.5	197	9.4	40	15
2615263	<0.5	110	7.5	230	25
2615264	1.2	89	6.9	60	76
2615265	<0.5	49	5.0	190	35
2615266	<0.5	137	8.7	610	39
2615267	1.8	81	6.0	240	115
2615268	2.4	142	12.9	1120	123
2615269	0.7	45	4.0	970	73
2615270	0.5	47	4.2	750	81
2615271	0.7	95	5.6	80	50
2615272	<0.5	95	6.5	2830	15
2615273	<0.5	93	6.6	240	20
2615274	<0.5	91	6.4	30	16
2615275	<0.5	33	2.7	250	20
2615276	<0.5	56	4.0	160	13
2615277	<0.5	40	2.5	60	24
2615278	<0.5	38	2.8	300	30
2615279	<0.5	39	3.0	3680	23
2615280	<0.5	18	1.1	600	4

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
2615281	1.1	79	6.2	1130	41
2615282	<0.5	50	3.5	1750	43
2615283	<0.5	108	6.8	410	46
2615284	1.9	163	10.7	330	111
*Rep 2615201	<0.5	27	2.0	820	25
*Rep 2615219	1.6	132	11.1	360	114
*Rep 2615231	<0.5	69	4.4	690	84
*Rep 2615243	<0.5	36	3.7	760	11
*Rep 2615266	<0.5	128	9.4	520	40
*Rep 2615281	0.8	75	5.6	1480	45
*Std AMIS0169	1.1	127	9.5	210	49
*Std MMISRM18	<0.5	18	0.8	680	25
*Blk BLANK	<0.5	<1	<0.2	<10	<2
*Blk BLANK	<0.5	<1	<0.2	<10	<2
*Blk BLANK	<0.5	<1	<0.2	<10	<2
*Blk BLANK	<0.5	<1	0.2	<10	<2

Certificate of Analysis
Work Order : VC151544
[Report File No.: 0000012033]

Date: July 30, 2015

To: **RON VOORDOUW**
EQUITY EXPLORATION CONSULTANTS LTD
200-900 WEST HASTINGS ST
VANCOUVER BC V6C 1E5

P.O. No.: KSK-15-13_01/2615285-2615368
Project No.: -
Samples: 84
Received: Jul 9, 2015
Pages: Page 1 to 22
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
84	G_LOG02	Pre-preparation processing, sorting, logging, boxing
84	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Storage: Pulp & Reject

REJECT STORAGE : STORE FOR 30 DAYS

Certified By : ______________________
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
2615285	13.0	286	60	<0.1	350	0.6	27	8
2615286	4.4	248	20	<0.1	330	0.9	32	20
2615287	5.7	209	10	<0.1	310	<0.5	14	10
2615288	5.3	209	20	<0.1	270	<0.5	3	16
2615289	1.2	13	<10	<0.1	310	<0.5	99	4
2615290	0.9	16	<10	<0.1	340	<0.5	107	5
2615291	26.6	11	<10	0.6	1710	<0.5	176	6
2615292	16.8	2	30	0.8	1580	<0.5	468	7
2615293	19.8	5	<10	0.6	2280	<0.5	485	4
2615294	11.2	141	40	<0.1	730	0.5	205	25
2615295	8.9	169	10	<0.1	930	<0.5	98	9
2615296	14.5	149	20	<0.1	1270	<0.5	168	6
2615297	6.9	104	10	<0.1	560	<0.5	185	5
2615298	3.7	183	50	<0.1	960	2.0	107	94
2615299	1.3	279	20	<0.1	300	<0.5	8	12
2615300	0.8	3	<10	<0.1	840	<0.5	94	2
2615301	8.0	320	30	<0.1	1070	1.1	42	21
2615302	6.1	265	10	<0.1	660	<0.5	17	16
2615303	1.6	59	20	<0.1	350	<0.5	258	9
2615304	22.1	189	<10	<0.1	480	<0.5	20	4
2615305	14.3	242	50	<0.1	1190	0.5	62	16
2615306	7.9	167	230	0.2	610	0.6	156	9
2615307	6.1	311	110	<0.1	770	1.3	11	26
2615308	2.2	161	120	0.2	2460	1.0	26	5
2615309	7.7	63	30	0.2	550	<0.5	140	4
2615310	9.0	96	20	0.1	980	<0.5	159	3
2615311	2.2	70	70	<0.1	470	<0.5	229	12
2615312	7.4	253	30	0.2	630	<0.5	43	38
2615313	8.0	193	<10	<0.1	250	<0.5	23	12
2615314	4.3	66	20	0.5	1200	<0.5	176	2
2615315	5.2	183	10	0.3	400	0.6	130	21
2615316	6.2	297	30	0.1	1030	0.6	65	24
2615317	6.2	268	50	0.2	870	0.7	75	8
2615318	8.8	312	100	<0.1	1350	1.1	42	21
2615319	10.2	158	200	0.2	1000	0.9	179	20
2615320	0.7	2	20	<0.1	760	<0.5	94	1
2615321	17.4	12	40	0.2	70	<0.5	250	11
2615322	7.9	281	90	0.1	1130	1.4	40	16
2615323	8.2	204	50	0.1	810	0.6	142	8
2615324	9.2	197	20	<0.1	800	<0.5	162	20

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
2615325	37.3	36	40	0.3	400	<0.5	164	3
2615326	4.9	208	300	0.1	540	0.6	112	6
2615327	1.8	185	<10	<0.1	200	<0.5	93	3
2615328	2.9	288	20	<0.1	1810	<0.5	11	9
2615329	17.7	150	20	0.3	660	<0.5	120	8
2615330	18.6	164	30	0.2	640	<0.5	133	8
2615331	15.3	152	20	0.1	530	<0.5	41	6
2615332	7.0	293	<10	<0.1	370	<0.5	27	13
2615333	11.3	264	30	<0.1	710	<0.5	51	10
2615334	3.5	234	10	0.3	820	<0.5	40	5
2615335	12.0	41	20	0.1	1460	<0.5	260	2
2615336	3.6	156	<10	0.2	490	<0.5	15	2
2615337	5.2	318	20	<0.1	610	0.8	10	10
2615338	8.2	183	<10	0.1	330	<0.5	33	5
2615339	6.2	196	<10	<0.1	290	<0.5	29	6
2615340	0.6	2	<10	<0.1	770	<0.5	83	2
2615341	16.5	269	<10	<0.1	370	<0.5	29	11
2615342	11.6	55	20	0.4	830	<0.5	262	7
2615343	8.4	289	20	<0.1	640	<0.5	11	12
2615344	2.5	207	<10	<0.1	310	<0.5	5	21
2615345	11.4	222	<10	<0.1	260	<0.5	35	14
2615346	4.5	278	30	0.2	810	<0.5	28	9
2615347	<0.5	238	60	<0.1	470	1.6	<2	15
2615348	19.5	205	30	0.1	790	0.6	146	25
2615349	1.2	229	30	0.1	1070	<0.5	58	4
2615350	1.3	218	40	<0.1	900	<0.5	82	5
2615351	4.7	295	<10	<0.1	280	<0.5	<2	21
2615352	3.6	301	50	<0.1	850	<0.5	5	16
2615353	1.2	264	30	<0.1	490	0.8	22	18
2615354	2.8	296	80	0.1	660	0.5	74	7
2615355	8.7	202	90	<0.1	780	0.6	144	26
2615356	2.9	274	40	0.1	1820	<0.5	23	8
2615357	2.5	182	350	0.4	650	1.0	40	3
2615358	12.6	144	30	0.1	770	0.7	189	5
2615359	6.0	220	<10	<0.1	610	<0.5	28	12
2615360	0.7	5	<10	<0.1	800	<0.5	77	2
2615361	14.2	242	<10	<0.1	580	<0.5	7	15
2615362	10.3	90	90	0.3	890	<0.5	190	11
2615363	2.8	43	<10	<0.1	270	<0.5	102	28
2615364	1.7	85	<10	<0.1	1050	<0.5	138	16

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
2615365	2.3	238	40	0.1	4420	0.9	94	8
2615366	11.6	217	<10	<0.1	300	<0.5	12	11
2615367	6.3	291	20	<0.1	1170	<0.5	7	7
2615368	12.6	8	<10	0.1	410	<0.5	149	15
*Rep 2615298	3.5	171	40	<0.1	880	1.6	107	85
*Rep 2615308	1.9	125	90	0.4	2270	0.9	31	4
*Rep 2615319	10.1	141	150	0.3	950	0.8	197	23
*Rep 2615330	15.8	143	20	0.2	630	<0.5	133	7
*Rep 2615350	1.4	182	30	0.1	860	<0.5	82	4
*Rep 2615364	2.1	90	10	<0.1	1090	<0.5	145	16
*Std AMIS0169	7.5	47	10	0.4	940	<0.5	36	2
*Std MMISRM18	19.7	23	20	7.5	170	<0.5	182	76
*Blk BLANK	<0.5	<1	10	<0.1	<10	<0.5	<2	<1
*Blk BLANK	<0.5	<1	<10	<0.1	<10	<0.5	2	<1
*Blk BLANK	<0.5	<1	<10	<0.1	<10	<0.5	<2	<1
*Blk BLANK	<0.5	<1	<10	<0.1	<10	<0.5	<2	<1

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615285	50	102	200	7.9	200	9.3	5.3	2.7
2615286	98	129	100	5.1	220	9.4	4.9	3.1
2615287	81	67	<100	3.8	170	12.2	6.4	3.5
2615288	43	42	<100	5.3	110	7.1	4.2	2.0
2615289	73	116	600	0.4	140	15.0	6.9	5.9
2615290	73	109	600	0.4	140	14.4	6.0	5.5
2615291	138	16	<100	0.4	1710	38.7	17.1	14.7
2615292	8	216	<100	0.2	2320	11.5	6.2	3.5
2615293	49	49	<100	0.2	1730	17.0	8.3	6.8
2615294	214	85	400	3.1	370	23.0	10.8	7.8
2615295	198	100	200	4.3	240	32.1	13.2	11.5
2615296	178	32	300	4.1	330	48.4	24.9	13.9
2615297	127	11	200	4.8	170	13.7	7.1	4.3
2615298	120	412	600	1.3	470	14.9	8.7	4.4
2615299	125	194	100	6.0	460	13.1	6.8	3.7
2615300	8	5	<100	0.3	330	2.9	1.6	0.9
2615301	172	82	200	7.2	360	18.2	9.5	5.4
2615302	68	83	100	15.3	240	9.8	5.1	2.3
2615303	97	339	<100	1.8	1010	4.9	2.9	2.1
2615304	138	24	<100	7.2	80	10.0	4.1	4.1
2615305	69	191	200	17.9	590	11.2	6.3	3.4
2615306	503	165	400	13.4	560	18.8	8.6	7.5
2615307	65	253	500	16.5	480	8.2	4.4	2.4
2615308	384	122	500	9.6	390	18.6	8.3	8.9
2615309	49	32	100	6.0	150	4.0	1.6	1.5
2615310	78	43	<100	7.4	190	6.9	3.2	3.0
2615311	89	230	200	3.5	1090	13.4	6.6	6.9
2615312	149	162	100	24.3	650	18.8	8.8	4.8
2615313	118	50	<100	8.2	180	14.2	6.3	4.5
2615314	101	42	200	8.4	430	8.0	3.5	3.4
2615315	50	166	200	19.4	400	8.2	4.5	3.0
2615316	192	146	300	14.5	490	12.5	6.6	4.2
2615317	181	160	400	13.2	340	16.0	8.0	5.6
2615318	124	434	800	14.6	510	12.3	7.7	3.9
2615319	134	230	400	22.8	490	12.8	6.1	4.9
2615320	8	5	<100	0.4	320	2.6	1.2	0.8
2615321	30	42	<100	15.6	270	4.7	1.9	1.9
2615322	338	343	1000	13.4	860	24.1	10.9	8.2
2615323	73	96	400	7.9	240	5.2	2.4	2.0
2615324	63	71	<100	3.4	180	5.5	2.9	1.9

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615325	9	15	<100	3.8	150	2.9	1.2	1.2
2615326	390	373	300	3.8	290	14.1	6.9	5.5
2615327	236	41	<100	2.5	50	11.1	6.7	4.2
2615328	160	70	200	5.2	130	12.8	6.7	4.8
2615329	196	71	100	3.4	400	13.2	7.0	4.5
2615330	171	73	100	3.4	400	10.8	5.6	3.8
2615331	206	61	100	4.2	210	11.8	5.8	4.5
2615332	194	62	<100	7.7	210	17.6	8.3	6.1
2615333	175	174	200	2.5	390	15.4	8.1	4.2
2615334	251	37	200	4.3	310	17.0	7.6	6.6
2615335	185	122	<100	1.1	380	10.4	5.0	4.8
2615336	252	68	100	5.9	280	27.4	11.2	11.0
2615337	41	82	<100	3.1	220	7.5	4.8	1.7
2615338	302	32	100	4.5	400	34.9	15.2	13.6
2615339	198	59	100	8.9	150	18.6	7.8	7.2
2615340	8	3	<100	0.3	270	2.7	1.2	0.6
2615341	120	78	100	4.8	170	10.7	4.8	3.6
2615342	600	141	<100	1.3	1330	23.6	12.4	13.0
2615343	161	136	200	7.8	260	15.3	7.2	5.1
2615344	120	47	<100	6.1	370	12.7	5.8	3.8
2615345	232	49	<100	3.3	440	41.3	18.4	15.7
2615346	465	84	300	7.2	510	27.8	11.5	10.7
2615347	47	88	400	0.7	300	5.5	3.1	1.4
2615348	187	81	300	4.7	490	17.0	8.7	5.5
2615349	514	261	200	6.4	230	22.7	10.4	11.3
2615350	389	263	200	6.1	290	20.7	9.7	9.7
2615351	80	138	<100	6.0	540	11.5	6.1	2.9
2615352	229	441	900	4.9	440	14.3	6.0	4.5
2615353	131	247	400	1.5	360	14.4	7.7	4.1
2615354	339	251	1100	5.9	520	26.9	12.8	8.5
2615355	263	231	900	4.6	400	24.0	11.3	7.9
2615356	261	290	1300	3.6	300	12.6	5.0	4.0
2615357	96	219	200	2.7	900	6.0	3.0	1.6
2615358	217	147	100	2.1	580	12.8	7.0	4.1
2615359	119	50	<100	4.9	160	13.5	6.6	3.7
2615360	8	4	<100	0.3	290	2.5	1.2	0.6
2615361	56	31	<100	2.6	80	8.4	4.0	2.3
2615362	587	136	100	2.5	1960	44.3	21.5	17.2
2615363	24	190	800	1.2	110	4.6	2.2	1.0
2615364	70	251	1100	3.4	140	4.7	2.5	1.7

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615365	168	53	400	6.8	210	13.4	6.3	5.2
2615366	125	45	<100	5.7	260	20.6	9.2	5.8
2615367	89	50	300	4.1	290	9.1	4.3	2.5
2615368	8	60	400	0.5	120	2.1	1.1	0.9
*Rep 2615298	117	353	600	1.3	460	15.9	8.5	4.1
*Rep 2615308	384	96	400	7.7	330	20.6	8.8	9.1
*Rep 2615319	140	217	300	20.9	430	13.6	6.5	4.8
*Rep 2615330	168	65	100	3.4	400	11.2	5.4	4.0
*Rep 2615350	354	222	200	5.7	230	19.7	8.7	9.8
*Rep 2615364	74	271	1100	3.3	130	5.0	2.4	1.8
*Std AMIS0169	651	85	<100	6.5	3610	24.1	10.7	9.8
*Std MMISRM18	25	76	<100	4.4	930	3.3	1.2	1.2
*Blk BLANK	<2	<1	<100	<0.2	<10	<0.5	<0.2	<0.2
*Blk BLANK	<2	<1	<100	<0.2	<10	<0.5	<0.2	<0.2
*Blk BLANK	3	<1	<100	<0.2	<10	<0.5	<0.2	<0.2
*Blk BLANK	2	<1	<100	<0.2	<10	<0.5	<0.2	<0.2

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
2615285	129	37.5	8.1	<1	0.2	11.5	21	19
2615286	39	5.2	10.6	1	0.1	5.3	41	3
2615287	24	6.0	10.6	<1	0.1	5.6	33	1
2615288	38	7.6	6.0	<1	0.1	9.1	21	<1
2615289	15	0.7	24.3	<1	<0.1	19.0	74	<1
2615290	16	0.6	21.9	<1	<0.1	23.7	68	<1
2615291	4	1.0	62.3	<1	<0.1	6.0	59	3
2615292	5	<0.5	16.2	<1	<0.1	2.9	5	31
2615293	5	<0.5	28.0	2	<0.1	3.8	35	5
2615294	109	7.2	30.1	<1	0.1	12.0	106	5
2615295	34	5.7	42.7	<1	<0.1	7.5	180	3
2615296	46	8.3	59.1	<1	<0.1	8.5	111	6
2615297	20	4.4	15.3	<1	<0.1	6.8	45	<1
2615298	168	20.5	16.8	<1	0.4	13.8	42	10
2615299	97	11.9	14.2	1	0.2	7.7	49	2
2615300	4	<0.5	4.1	<1	<0.1	6.4	3	5
2615301	79	23.7	20.7	<1	0.2	9.9	69	6
2615302	50	12.2	7.6	<1	0.1	15.8	27	3
2615303	111	2.4	8.1	<1	<0.1	9.1	52	2
2615304	25	9.7	12.3	<1	<0.1	5.6	69	1
2615305	163	16.4	11.8	<1	0.3	5.4	23	27
2615306	116	8.4	25.9	<1	0.1	6.4	82	21
2615307	270	36.5	8.1	1	0.5	18.8	23	51
2615308	140	13.7	29.0	<1	0.2	1.8	158	11
2615309	40	10.8	5.2	<1	<0.1	4.2	25	3
2615310	53	12.3	10.6	<1	<0.1	3.9	36	7
2615311	136	3.8	18.6	<1	0.1	8.0	33	2
2615312	56	4.8	17.9	2	0.2	8.2	40	4
2615313	27	6.1	13.6	<1	<0.1	4.4	42	<1
2615314	36	4.2	12.1	<1	<0.1	4.5	51	4
2615315	133	12.4	10.3	<1	0.2	7.6	19	8
2615316	140	32.8	13.6	1	0.2	4.9	44	11
2615317	151	23.1	18.1	1	0.3	9.4	60	22
2615318	295	27.5	12.4	<1	0.4	13.5	33	15
2615319	209	11.7	15.2	<1	0.3	9.0	40	12
2615320	6	0.5	3.4	<1	<0.1	6.2	3	4
2615321	41	1.1	7.6	<1	<0.1	6.9	7	3
2615322	207	24.8	28.4	2	0.6	9.8	70	44
2615323	81	33.1	6.5	1	0.2	8.9	41	13
2615324	47	11.9	6.1	1	<0.1	5.4	28	1

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
2615325	10	2.3	3.9	<1	<0.1	7.3	9	1
2615326	92	7.3	18.7	<1	<0.1	2.8	76	6
2615327	52	3.3	13.7	<1	0.1	1.1	48	2
2615328	65	11.1	14.3	1	0.2	3.9	72	3
2615329	118	12.2	14.8	<1	<0.1	7.1	51	1
2615330	95	9.9	12.0	<1	<0.1	7.7	44	1
2615331	26	5.8	16.3	<1	<0.1	25.2	59	<1
2615332	27	8.5	22.3	<1	0.1	7.0	79	2
2615333	190	19.8	13.9	1	0.3	7.4	44	6
2615334	75	13.6	21.9	<1	0.1	6.9	115	3
2615335	51	3.1	17.7	<1	<0.1	3.0	81	<1
2615336	28	8.2	36.6	<1	<0.1	2.3	172	<1
2615337	128	33.4	5.5	<1	0.3	10.3	22	4
2615338	44	20.8	48.8	<1	<0.1	9.7	216	3
2615339	44	13.6	22.7	1	0.1	3.9	100	1
2615340	3	<0.5	3.5	<1	<0.1	5.5	3	4
2615341	39	7.9	12.2	1	0.1	4.1	54	2
2615342	35	1.9	47.6	<1	<0.1	6.5	221	<1
2615343	75	17.2	17.2	1	0.1	11.0	68	5
2615344	27	4.3	12.8	1	0.1	5.3	50	<1
2615345	58	7.1	55.7	<1	0.1	6.9	220	2
2615346	83	15.5	33.9	<1	0.2	3.9	200	3
2615347	264	42.7	5.1	2	0.5	10.3	26	5
2615348	100	19.5	20.9	<1	0.2	8.2	74	17
2615349	126	21.7	35.2	<1	0.2	4.6	225	6
2615350	92	11.1	30.3	<1	0.2	5.5	191	6
2615351	42	6.8	10.5	<1	0.2	7.0	32	1
2615352	91	8.5	15.2	<1	0.2	8.0	80	3
2615353	208	20.7	15.2	<1	0.2	6.6	51	9
2615354	133	9.9	30.8	<1	0.1	3.6	132	10
2615355	90	5.7	28.8	<1	0.1	8.9	92	7
2615356	195	17.7	14.7	<1	0.2	7.2	104	11
2615357	463	7.4	5.0	<1	0.1	8.4	22	7
2615358	217	12.0	13.2	<1	0.1	6.1	57	4
2615359	91	13.5	12.7	<1	0.2	5.3	40	2
2615360	6	<0.5	3.4	<1	<0.1	5.8	3	4
2615361	28	6.5	7.5	<1	<0.1	9.8	26	3
2615362	88	5.7	62.5	<1	<0.1	5.3	226	1
2615363	39	1.1	4.6	<1	<0.1	7.6	9	2
2615364	60	2.8	5.9	<1	<0.1	6.3	20	3

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
2615365	129	24.6	17.4	<1	0.2	5.1	99	11
2615366	17	4.5	21.9	<1	0.1	4.6	54	<1
2615367	97	19.6	9.8	2	0.2	10.3	37	4
2615368	5	<0.5	3.0	<1	<0.1	4.5	5	<1
*Rep 2615298	165	20.4	16.9	2	0.4	13.2	43	9
*Rep 2615308	133	12.0	31.0	<1	0.2	1.4	163	8
*Rep 2615319	177	11.2	17.7	<1	0.3	8.4	40	13
*Rep 2615330	102	10.5	12.4	<1	<0.1	7.7	46	1
*Rep 2615350	85	11.0	28.8	<1	0.1	4.7	180	5
*Rep 2615364	68	3.8	5.7	<1	<0.1	6.3	21	4
*Std AMIS0169	33	10.0	36.9	<1	<0.1	41.8	381	<1
*Std MMISRM18	6	<0.5	5.1	9	<0.1	27.5	7	<1
*Blk BLANK	<1	<0.5	<0.5	<1	<0.1	<0.5	<1	<1
*Blk BLANK	1	<0.5	<0.5	<1	<0.1	<0.5	<1	<1
*Blk BLANK	<1	<0.5	<0.5	<1	<0.1	<0.5	<1	<1
*Blk BLANK	<1	<0.5	<0.5	<1	<0.1	<0.5	<1	<1

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
2615285	6.3	800	4	14.3	31	750	2.7	340
2615286	1.2	2400	<2	1.3	49	707	2.6	642
2615287	0.8	1300	2	0.8	51	428	1.0	225
2615288	<0.5	400	<2	0.5	27	240	0.9	203
2615289	182	2200	<2	<0.5	120	21300	0.4	31
2615290	219	1800	<2	<0.5	118	22800	0.3	36
2615291	337	1300	4	<0.5	191	1290	<0.1	20
2615292	138	4300	6	<0.5	25	1090	<0.1	32
2615293	134	1700	6	<0.5	91	807	<0.1	21
2615294	40.1	3100	5	3.6	154	2200	2.4	173
2615295	10.3	1400	3	1.4	219	1590	1.9	260
2615296	51.0	700	3	4.1	209	1880	1.3	129
2615297	69.2	2600	3	2.8	69	1140	1.3	26
2615298	31.1	9100	6	7.2	66	1990	8.0	727
2615299	3.2	200	2	2.4	66	915	3.9	155
2615300	19.6	600	2	<0.5	14	26	0.3	137
2615301	5.2	6100	4	8.3	98	667	3.4	617
2615302	5.1	1400	2	2.7	38	626	2.0	208
2615303	82.5	13800	4	1.3	66	1030	0.4	54
2615304	1.5	300	2	1.9	66	163	1.5	118
2615305	11.1	1000	3	5.5	37	1230	2.7	217
2615306	13.2	6100	3	3.8	113	1300	1.9	89
2615307	8.0	1900	4	15.7	32	738	5.1	229
2615308	12.2	1200	3	9.1	172	623	2.3	137
2615309	67.2	600	2	3.2	30	362	0.9	38
2615310	63.4	700	2	3.3	47	591	0.6	56
2615311	90.5	3400	2	<0.5	63	9560	0.8	99
2615312	4.6	1600	2	1.2	66	1660	2.6	216
2615313	1.4	500	<2	0.8	63	376	0.6	240
2615314	30.4	1800	2	1.6	70	265	1.1	66
2615315	17.2	2100	3	3.1	30	776	1.5	188
2615316	8.8	1800	3	10.0	62	754	2.6	211
2615317	9.3	3000	5	10.3	89	1030	2.1	240
2615318	10.5	3900	5	13.3	54	1150	4.1	197
2615319	45.0	3100	4	6.9	65	2670	1.9	158
2615320	19.0	600	<2	<0.5	12	38	<0.1	136
2615321	56.4	9000	2	<0.5	17	2910	0.5	17
2615322	12.2	12100	5	10.4	96	1920	6.2	166
2615323	11.6	3100	4	7.3	35	447	3.7	131
2615324	12.2	1000	<2	2.0	27	649	1.0	172

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
2615325	84.3	1000	<2	<0.5	17	1220	0.3	17
2615326	39.2	2000	2	3.5	108	5140	0.8	166
2615327	7.9	600	<2	1.2	66	1700	0.5	143
2615328	0.6	600	<2	3.5	82	197	1.7	326
2615329	10.1	3900	4	5.5	72	198	1.1	110
2615330	12.1	3600	4	5.3	61	216	1.0	107
2615331	3.6	600	6	3.3	86	140	0.9	56
2615332	1.0	1100	3	2.6	106	305	2.0	171
2615333	7.2	700	3	9.1	64	524	3.1	162
2615334	1.7	200	3	5.9	136	184	0.9	92
2615335	59.3	1200	4	1.4	114	215	0.3	25
2615336	1.1	800	5	4.5	199	87	0.9	82
2615337	2.8	400	3	12.3	26	247	1.8	251
2615338	2.7	100	3	7.3	279	93	0.8	193
2615339	2.0	800	4	4.7	120	145	1.2	93
2615340	17.2	500	<2	<0.5	11	15	<0.1	126
2615341	0.9	100	3	3.7	60	167	1.4	136
2615342	37.6	6400	7	<0.5	337	594	0.4	33
2615343	1.7	1400	3	6.8	89	338	2.1	212
2615344	<0.5	1500	2	0.6	66	305	1.5	114
2615345	3.9	600	<2	1.7	316	751	1.2	112
2615346	1.3	3400	5	7.6	231	274	4.1	89
2615347	4.1	400	3	18.1	25	320	5.9	238
2615348	19.4	1600	4	6.1	90	1010	2.2	148
2615349	6.4	5500	3	6.3	246	491	0.9	131
2615350	7.6	4900	3	4.5	215	440	0.7	103
2615351	1.2	500	<2	1.2	47	670	1.4	179
2615352	8.9	1200	3	3.3	84	1930	6.1	183
2615353	10.2	1800	3	8.4	72	1170	2.6	219
2615354	29.5	1000	4	6.2	192	2520	1.6	219
2615355	28.4	4300	5	3.2	150	3180	2.1	310
2615356	30.8	900	3	11.2	86	2270	3.9	206
2615357	4.2	7300	6	7.7	25	344	1.7	79
2615358	4.4	9000	7	5.4	71	218	0.9	127
2615359	0.8	1300	2	3.1	56	252	1.4	158
2615360	17.1	600	2	<0.5	12	15	<0.1	123
2615361	4.2	500	<2	2.0	34	450	1.0	238
2615362	11.6	12900	4	4.5	349	701	1.0	91
2615363	249	2500	<2	<0.5	17	8210	0.3	54
2615364	132	1700	<2	2.9	30	3790	0.5	84

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
2615365	12.0	1900	4	11.3	99	364	5.6	223
2615366	0.7	800	<2	0.6	98	456	1.0	162
2615367	1.9	5400	2	4.0	42	360	16.1	101
2615368	333	5500	<2	<0.5	13	4780	0.4	18
*Rep 2615298	29.7	8300	5	6.4	68	1980	7.3	741
*Rep 2615308	11.4	1100	2	7.3	176	578	2.1	136
*Rep 2615319	43.2	3000	4	5.1	67	3040	1.9	162
*Rep 2615330	12.7	3700	3	5.1	63	206	1.0	104
*Rep 2615350	6.8	4600	2	3.7	203	389	0.6	96
*Rep 2615364	131	1800	<2	2.4	31	3680	0.6	92
*Std AMIS0169	28.3	3700	3	1.5	314	382	2.3	94
*Std MMISRM18	93.4	900	30	<0.5	17	463	0.4	270
*Blk BLANK	<0.5	<100	<2	<0.5	<1	<5	<0.1	<5
*Blk BLANK	<0.5	<100	<2	<0.5	1	8	<0.1	<5
*Blk BLANK	<0.5	<100	<2	<0.5	1	<5	<0.1	<5
*Blk BLANK	<0.5	<100	<2	<0.5	1	<5	0.1	<5

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615285	<1	6.9	<0.1	107	0.7	45	8	2
2615286	<1	12.1	<0.1	64	0.8	28	12	<1
2615287	<1	10.9	<0.1	60	0.8	36	12	<1
2615288	<1	6.8	<0.1	74	<0.5	22	6	<1
2615289	<1	26.7	<0.1	23	<0.5	18	27	<1
2615290	<1	24.4	<0.1	24	<0.5	21	23	<1
2615291	<1	34.2	<0.1	32	<0.5	32	59	<1
2615292	<1	3.4	<0.1	19	<0.5	13	11	<1
2615293	<1	15.6	<0.1	36	<0.5	17	26	<1
2615294	<1	34.4	<0.1	84	<0.5	42	32	<1
2615295	<1	55.3	<0.1	128	<0.5	27	45	<1
2615296	<1	45.2	<0.1	92	0.8	60	55	<1
2615297	<1	16.1	<0.1	115	<0.5	32	16	<1
2615298	<1	15.1	<0.1	46	0.9	65	17	2
2615299	<1	15.6	<0.1	67	<0.5	31	14	<1
2615300	<1	2.5	<0.1	12	<0.5	6	4	<1
2615301	<1	20.3	<0.1	122	1.3	55	22	2
2615302	<1	8.3	<0.1	129	<0.5	28	8	<1
2615303	<1	15.2	<0.1	47	<0.5	20	11	<1
2615304	<1	18.0	<0.1	65	<0.5	26	15	<1
2615305	<1	8.3	<0.1	73	1.6	50	11	<1
2615306	<1	26.5	<0.1	71	4.2	79	28	<1
2615307	<1	7.4	<0.1	114	3.0	80	8	2
2615308	<1	42.3	<0.1	36	3.2	87	35	<1
2615309	<1	6.8	<0.1	42	<0.5	25	6	<1
2615310	<1	11.3	<0.1	48	<0.5	34	10	<1
2615311	<1	13.2	<0.1	53	5.0	137	17	<1
2615312	<1	15.3	<0.1	84	0.6	39	18	<1
2615313	<1	14.4	<0.1	51	<0.5	30	15	<1
2615314	<1	16.1	<0.1	24	0.6	39	16	<1
2615315	<1	6.5	<0.1	105	<0.5	46	9	<1
2615316	<1	14.5	<0.1	85	1.1	54	15	1
2615317	<1	19.5	<0.1	99	1.3	62	21	1
2615318	<1	11.4	<0.1	129	4.4	84	14	2
2615319	<1	13.9	<0.1	160	5.0	57	16	<1
2615320	<1	2.0	<0.1	11	<0.5	13	3	<1
2615321	<1	3.1	<0.1	116	4.8	54	5	<1
2615322	<1	24.7	<0.1	112	4.0	175	27	2
2615323	<1	8.6	<0.1	110	1.0	49	8	2
2615324	<1	6.9	<0.1	98	0.5	28	7	<1

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615325	<1	3.6	<0.1	61	0.7	19	4	<1
2615326	<1	24.2	<0.1	63	12.1	44	23	<1
2615327	<1	16.0	<0.1	44	<0.5	20	15	<1
2615328	<1	18.9	<0.1	98	<0.5	52	17	<1
2615329	<1	15.5	<0.1	107	<0.5	41	16	<1
2615330	<1	13.1	<0.1	112	0.7	39	13	<1
2615331	<1	19.1	<0.1	147	<0.5	30	18	<1
2615332	<1	24.4	<0.1	92	<0.5	37	25	<1
2615333	<1	13.7	<0.1	61	<0.5	45	14	<1
2615334	<1	30.8	<0.1	48	<0.5	36	25	<1
2615335	<1	24.0	<0.1	21	<0.5	23	20	<1
2615336	<1	47.6	<0.1	82	<0.5	51	42	<1
2615337	<1	5.7	<0.1	79	<0.5	36	5	2
2615338	<1	65.2	<0.1	99	<0.5	61	52	<1
2615339	<1	27.8	<0.1	78	<0.5	41	25	<1
2615340	<1	2.9	<0.1	11	<0.5	<5	3	<1
2615341	<1	14.5	<0.1	62	<0.5	34	13	<1
2615342	<1	75.1	<0.1	48	3.1	29	60	<1
2615343	<1	19.5	<0.1	91	<0.5	48	17	<1
2615344	<1	15.5	<0.1	70	<0.5	30	13	<1
2615345	<1	68.0	<0.1	35	<0.5	43	63	<1
2615346	<1	53.9	<0.1	64	1.0	59	42	<1
2615347	<1	5.7	<0.1	21	0.5	30	4	2
2615348	<1	22.0	<0.1	128	0.6	41	21	1
2615349	<1	63.3	<0.1	87	<0.5	38	46	<1
2615350	<1	51.5	<0.1	80	0.7	41	39	<1
2615351	<1	9.5	<0.1	74	<0.5	34	10	<1
2615352	<1	19.4	<0.1	104	<0.5	42	17	<1
2615353	<1	15.5	<0.1	38	<0.5	34	16	1
2615354	<1	39.5	<0.1	62	1.1	58	36	<1
2615355	<1	31.5	<0.1	78	1.6	52	32	<1
2615356	<1	21.5	<0.1	50	<0.5	53	15	<1
2615357	<1	6.1	<0.1	55	1.1	29	5	<1
2615358	<1	15.7	<0.1	35	<0.5	26	14	<1
2615359	<1	11.8	<0.1	68	<0.5	24	12	<1
2615360	<1	1.9	<0.1	11	<0.5	<5	3	<1
2615361	<1	7.4	<0.1	64	<0.5	18	8	<1
2615362	<1	72.7	<0.1	41	1.9	88	68	<1
2615363	<1	3.4	<0.1	44	<0.5	23	4	<1
2615364	<1	6.5	<0.1	124	<0.5	22	6	<1

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615365	<1	24.3	<0.1	76	0.6	49	20	1
2615366	<1	19.9	<0.1	87	<0.5	27	22	<1
2615367	<1	10.1	<0.1	90	0.6	41	10	<1
2615368	<1	2.2	<0.1	20	<0.5	<5	3	<1
*Rep 2615298	<1	14.9	<0.1	42	0.7	62	16	1
*Rep 2615308	<1	45.3	<0.1	33	3.1	78	37	<1
*Rep 2615319	<1	14.8	<0.1	168	4.6	53	17	<1
*Rep 2615330	<1	13.2	<0.1	105	0.5	37	13	<1
*Rep 2615350	<1	48.8	<0.1	80	<0.5	35	36	<1
*Rep 2615364	<1	6.8	<0.1	123	<0.5	22	6	<1
*Std AMIS0169	<1	86.7	0.1	230	<0.5	49	54	<1
*Std MMISRM18	11	3.0	7.2	120	<0.5	<5	5	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	<5	<1	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	7	<1	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	<5	<1	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	<5	<1	<1

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615285	110	1	1.3	<10	8.0	4860	0.4	3.9
2615286	70	<1	1.5	<10	7.9	460	0.2	4.7
2615287	20	<1	1.9	<10	6.6	230	0.2	4.2
2615288	<10	<1	1.1	<10	2.1	260	0.3	1.9
2615289	170	<1	2.8	<10	9.3	170	0.1	4.9
2615290	210	<1	2.6	<10	9.6	170	<0.1	5.1
2615291	470	<1	7.5	<10	10.3	80	<0.1	23.5
2615292	710	<1	2.2	<10	0.9	<10	0.3	1.5
2615293	840	<1	3.5	<10	6.0	<10	0.2	10.0
2615294	300	<1	3.9	<10	10.7	1210	0.2	8.9
2615295	210	<1	5.4	<10	10.5	570	0.3	8.0
2615296	310	<1	8.2	<10	13.0	1230	0.2	8.1
2615297	310	<1	2.3	<10	6.2	1460	<0.1	3.9
2615298	170	<1	2.4	<10	10.9	3290	0.5	6.6
2615299	20	<1	2.3	<10	6.3	1010	0.2	2.8
2615300	250	<1	0.5	<10	1.1	60	<0.1	1.7
2615301	80	<1	3.3	<10	18.3	2900	0.5	7.3
2615302	50	<1	1.5	<10	6.8	880	0.2	4.0
2615303	710	<1	1.0	<10	4.1	230	<0.1	4.6
2615304	<10	<1	1.7	<10	10.7	750	0.3	3.9
2615305	170	<1	1.7	<10	9.1	1970	0.2	3.3
2615306	200	<1	3.4	<10	21.1	1030	0.4	6.4
2615307	50	<1	1.3	<10	13.3	5690	0.5	4.9
2615308	170	<1	3.6	<10	25.1	2250	0.4	6.3
2615309	440	<1	0.7	<10	5.2	1000	<0.1	2.4
2615310	410	<1	1.1	<10	5.9	1110	<0.1	2.6
2615311	600	<1	2.4	<10	4.0	160	<0.1	2.7
2615312	170	<1	3.1	<10	17.0	470	0.2	6.5
2615313	30	<1	2.3	<10	8.8	410	0.3	3.7
2615314	360	<1	1.6	<10	12.3	500	0.2	7.0
2615315	250	<1	1.4	<10	5.0	1390	0.1	2.7
2615316	140	<1	2.1	<10	13.3	4530	0.2	5.4
2615317	110	<1	2.7	<10	13.4	2900	0.5	6.6
2615318	160	<1	2.1	<10	27.4	6750	0.6	9.5
2615319	510	<1	2.2	<10	16.1	2060	0.3	6.7
2615320	230	<1	0.4	<10	1.2	60	<0.1	1.5
2615321	580	<1	0.9	<10	3.6	80	<0.1	3.5
2615322	110	<1	4.0	<10	29.9	3450	0.7	10.5
2615323	290	<1	0.9	<10	7.1	2870	0.4	3.7
2615324	340	<1	0.9	<10	4.8	800	0.2	2.1

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615325	350	<1	0.5	<10	2.0	160	<0.1	6.6
2615326	180	<1	2.6	<10	11.9	1010	0.2	4.8
2615327	80	<1	1.9	<10	6.4	220	0.2	6.4
2615328	30	<1	2.3	<10	14.3	1230	0.2	5.9
2615329	140	<1	2.3	<10	16.9	1750	0.3	10.0
2615330	180	<1	1.8	<10	14.3	1610	0.4	8.4
2615331	100	<1	2.5	<10	18.1	1000	0.3	9.5
2615332	30	<1	3.4	<10	13.5	790	0.4	8.8
2615333	180	<1	2.5	<10	22.5	2690	0.3	10.8
2615334	70	<1	3.3	<10	16.0	1430	0.4	6.8
2615335	1050	<1	2.1	<10	10.1	370	0.2	9.4
2615336	60	<1	5.1	<10	27.4	1450	0.3	12.7
2615337	80	<1	1.1	<10	12.7	3930	0.4	7.2
2615338	70	<1	6.5	<10	15.3	2450	0.2	11.9
2615339	50	<1	3.3	<10	20.4	1490	0.4	10.2
2615340	240	<1	0.4	<10	1.1	30	<0.1	1.5
2615341	50	<1	1.8	<10	12.5	1090	0.3	7.2
2615342	530	<1	5.2	<10	11.5	160	0.2	19.8
2615343	20	<1	2.5	<10	19.8	1850	0.4	8.4
2615344	<10	<1	2.0	<10	10.3	210	0.3	5.2
2615345	110	<1	7.6	<10	8.9	640	0.4	8.1
2615346	10	<1	5.2	<10	28.2	2210	0.6	15.4
2615347	30	<1	0.8	<10	13.8	4580	0.2	4.8
2615348	200	<1	2.8	<10	15.3	2450	0.3	8.3
2615349	280	<1	4.2	<10	19.1	1800	0.3	5.6
2615350	260	<1	3.8	<10	18.6	1380	0.2	5.9
2615351	<10	<1	2.0	<10	4.2	450	0.3	2.6
2615352	20	<1	2.5	<10	19.7	1090	0.3	8.0
2615353	90	<1	2.6	<10	8.0	2560	0.3	3.3
2615354	100	<1	4.6	<10	21.5	1780	0.9	7.7
2615355	180	<1	4.4	<10	17.1	1030	0.5	10.9
2615356	110	<1	2.2	<10	16.9	3930	0.3	5.8
2615357	230	<1	0.8	<10	12.8	1800	1.2	5.1
2615358	340	<1	2.0	<10	9.3	1610	0.5	9.2
2615359	90	<1	2.1	<10	9.0	1100	0.2	4.1
2615360	220	<1	0.5	<10	1.0	70	<0.1	1.4
2615361	<10	<1	1.4	<10	4.8	530	0.4	2.0
2615362	300	<1	8.3	<10	29.0	1380	0.6	12.3
2615363	280	<1	0.6	<10	3.1	160	<0.1	6.3
2615364	350	<1	0.9	<10	5.5	790	0.1	6.4

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615365	350	<1	2.5	<10	15.9	3100	0.8	8.9
2615366	10	<1	3.5	<10	7.0	220	0.3	4.2
2615367	40	<1	1.6	<10	14.6	1330	0.4	5.2
2615368	310	<1	0.4	<10	1.0	40	0.1	2.6
*Rep 2615298	160	<1	2.5	<10	11.0	2840	0.6	5.9
*Rep 2615308	160	<1	3.6	<10	27.7	1840	0.4	6.2
*Rep 2615319	450	<1	2.2	<10	16.8	2030	0.2	6.6
*Rep 2615330	190	<1	2.0	<10	14.8	1420	0.4	8.9
*Rep 2615350	250	<1	3.5	<10	17.5	1170	0.2	5.8
*Rep 2615364	370	<1	0.8	<10	5.7	910	0.1	6.5
*Std AMIS0169	60	<1	4.4	<10	55.2	300	1.0	20.9
*Std MMISRM18	1540	<1	0.7	<10	14.7	20	<0.1	27.9
*Blk BLANK	<10	<1	<0.1	<10	<0.5	<10	<0.1	<0.5
*Blk BLANK	<10	<1	<0.1	<10	<0.5	<10	<0.1	<0.5
*Blk BLANK	<10	<1	<0.1	<10	<0.5	<10	<0.1	<0.5
*Blk BLANK	<10	<1	<0.1	<10	<0.5	<10	<0.1	<0.5

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
2615285	1.5	50	4.4	110	47
2615286	0.7	43	3.7	1270	32
2615287	<0.5	68	4.7	120	18
2615288	<0.5	35	3.9	130	11
2615289	0.7	75	5.5	70	16
2615290	0.6	77	5.2	80	16
2615291	<0.5	205	12.6	30	17
2615292	<0.5	82	5.2	60	3
2615293	<0.5	106	6.3	40	8
2615294	0.6	128	8.4	570	29
2615295	1.2	138	10.0	620	23
2615296	0.9	267	17.4	100	46
2615297	0.7	65	5.4	230	41
2615298	1.5	85	7.2	3550	53
2615299	<0.5	63	4.9	440	19
2615300	<0.5	18	1.1	580	6
2615301	0.9	118	6.2	520	49
2615302	0.7	51	3.7	590	22
2615303	<0.5	41	2.5	350	8
2615304	<0.5	41	3.5	40	29
2615305	0.9	50	5.4	780	36
2615306	1.0	80	7.6	160	56
2615307	1.3	39	4.2	1150	53
2615308	1.2	95	6.1	100	76
2615309	<0.5	20	1.2	70	17
2615310	0.9	31	2.9	40	23
2615311	<0.5	68	5.9	570	53
2615312	<0.5	66	5.8	4020	28
2615313	0.5	61	4.5	210	23
2615314	1.0	38	2.5	40	33
2615315	<0.5	48	3.7	300	19
2615316	1.4	61	5.4	450	53
2615317	1.3	83	5.9	110	52
2615318	1.3	67	6.1	1070	80
2615319	0.9	58	5.0	950	54
2615320	<0.5	13	1.1	540	6
2615321	<0.5	22	2.1	40	22
2615322	1.8	84	9.7	930	94
2615323	1.1	26	2.2	170	55
2615324	<0.5	28	2.4	780	19

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
2615325	<0.5	15	0.9	30	7
2615326	0.6	71	5.1	60	35
2615327	0.9	63	4.6	<10	13
2615328	0.6	60	5.1	50	51
2615329	0.9	58	5.0	80	41
2615330	0.9	53	4.4	120	33
2615331	1.3	58	4.1	40	37
2615332	0.5	95	5.7	300	34
2615333	1.4	69	6.5	850	40
2615334	0.8	84	5.6	40	36
2615335	0.8	59	3.7	50	14
2615336	1.7	110	8.7	10	61
2615337	1.5	41	3.9	300	33
2615338	1.1	166	11.3	120	48
2615339	1.4	68	6.1	20	48
2615340	0.5	12	1.0	470	5
2615341	<0.5	54	3.9	50	29
2615342	0.8	148	9.4	30	17
2615343	0.7	70	5.0	70	50
2615344	0.7	54	4.4	510	21
2615345	0.7	223	11.4	560	18
2615346	1.1	112	7.7	440	56
2615347	1.4	27	2.7	700	37
2615348	0.8	81	6.5	220	48
2615349	1.0	103	7.7	20	53
2615350	0.7	96	6.4	20	47
2615351	<0.5	71	4.2	720	17
2615352	<0.5	62	4.4	2500	49
2615353	0.6	83	5.2	370	42
2615354	<0.5	145	8.0	90	71
2615355	0.5	129	8.3	970	33
2615356	1.1	53	3.4	320	51
2615357	1.6	23	2.2	70	40
2615358	0.9	66	5.3	50	25
2615359	0.5	68	5.2	190	28
2615360	<0.5	15	0.9	540	6
2615361	<0.5	39	2.5	70	18
2615362	0.9	238	17.3	320	91
2615363	<0.5	20	2.0	460	8
2615364	<0.5	24	1.8	380	22

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
2615365	1.9	58	4.7	260	90
2615366	<0.5	104	6.5	160	17
2615367	0.7	36	2.9	1050	53
2615368	<0.5	12	0.8	70	2
*Rep 2615298	1.4	76	7.9	3190	51
*Rep 2615308	1.8	82	6.8	80	76
*Rep 2615319	1.1	58	5.7	1040	54
*Rep 2615330	1.0	50	4.5	100	33
*Rep 2615350	0.8	87	7.0	10	45
*Rep 2615364	<0.5	23	2.0	460	29
*Std AMIS0169	1.3	101	8.1	180	39
*Std MMISRM18	<0.5	18	0.8	650	25
*Blk BLANK	<0.5	<1	<0.2	<10	<2
*Blk BLANK	<0.5	<1	<0.2	<10	<2
*Blk BLANK	<0.5	<1	<0.2	<10	<2
*Blk BLANK	<0.5	<1	<0.2	<10	<2

Certificate of Analysis
Work Order : VC151545
[Report File No.: 0000012034]

Date: July 30, 2015

To: **RON VOORDOUW**
EQUITY EXPLORATION CONSULTANTS LTD
200-900 WEST HASTINGS ST
VANCOUVER BC V6C 1E5

P.O. No.: KSK-15-13_01/2615369-5411,2615451-5491
Project No.: -
Samples: 84
Received: Jul 9, 2015
Pages: Page 1 to 22
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
84	G_LOG02	Pre-preparation processing, sorting, logging, boxing
84	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Storage: Pulp & Reject
REJECT STORAGE : STORE FOR 30 DAYS

Certified By : ____________________
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
2615369	4.3	32	10	0.5	560	<0.5	72	20
2615370	4.9	35	10	0.2	600	<0.5	90	21
2615371	3.2	69	<10	<0.1	340	<0.5	104	6
2615372	2.3	130	40	0.2	1440	0.6	44	3
2615373	2.0	238	<10	<0.1	580	<0.5	25	11
2615374	14.4	187	<10	<0.1	520	<0.5	98	7
2615375	12.3	211	<10	<0.1	350	<0.5	18	10
2615376	0.8	51	<10	0.2	520	<0.5	58	4
2615377	0.5	83	<10	0.1	510	0.5	16	27
2615378	0.9	30	<10	<0.1	640	<0.5	41	7
2615379	1.0	54	<10	<0.1	450	<0.5	42	25
2615380	0.6	3	<10	0.2	880	<0.5	93	2
2615381	<0.5	43	<10	0.2	580	<0.5	43	8
2615382	1.8	43	<10	<0.1	440	<0.5	33	17
2615383	0.8	38	10	0.2	980	<0.5	49	10
2615384	1.2	17	<10	0.6	370	<0.5	32	4
2615385	<0.5	80	10	0.6	870	<0.5	21	4
2615386	2.0	58	<10	0.2	540	<0.5	43	11
2615387	9.1	55	20	<0.1	590	<0.5	113	11
2615388	13.8	170	10	<0.1	970	<0.5	125	7
2615389	3.7	257	20	<0.1	1290	<0.5	75	18
2615390	3.3	231	20	<0.1	1240	<0.5	70	20
2615391	2.5	286	20	<0.1	710	<0.5	10	17
2615392	1.1	268	30	<0.1	560	0.5	8	8
2615393	1.5	80	20	<0.1	690	<0.5	69	7
2615394	1.9	53	20	0.9	500	<0.5	93	23
2615395	4.5	221	10	0.1	260	<0.5	3	16
2615396	5.2	180	<10	<0.1	150	<0.5	<2	6
2615397	6.7	165	20	<0.1	490	0.6	18	7
2615398	13.9	143	10	<0.1	210	<0.5	6	16
2615399	7.0	194	10	0.2	1050	<0.5	3	8
2615400	0.7	5	10	0.1	890	<0.5	92	2
2615401	7.5	224	<10	<0.1	410	<0.5	7	16
2615402	5.1	150	10	0.1	400	<0.5	<2	5
2615403	7.6	278	20	<0.1	580	<0.5	4	16
2615404	9.1	228	<10	<0.1	170	<0.5	<2	15
2615405	2.0	252	<10	<0.1	210	<0.5	4	2
2615406	5.0	161	<10	0.2	510	<0.5	13	8
2615407	4.1	257	10	<0.1	290	<0.5	<2	10
2615408	5.1	278	20	0.4	330	<0.5	<2	9

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
2615409	1.8	294	20	<0.1	150	<0.5	<2	8
2615410	1.5	276	20	<0.1	170	<0.5	<2	8
2615411	6.2	251	20	0.2	2040	1.4	23	6
2615451	7.6	141	30	0.1	680	0.6	149	3
2615452	11.9	351	40	0.1	1210	0.6	6	18
2615453	21.8	278	30	<0.1	1420	0.6	33	21
2615454	20.8	203	10	<0.1	340	<0.5	21	8
2615455	9.0	205	<10	0.1	590	<0.5	10	3
2615456	8.0	26	<10	0.4	3330	<0.5	380	7
2615457	7.1	4	<10	1.1	1650	<0.5	329	4
2615458	23.9	27	<10	0.3	2130	<0.5	451	36
2615459	19.5	13	<10	0.4	1810	<0.5	420	27
2615460	0.7	2	<10	0.2	890	<0.5	87	2
2615461	2.2	7	<10	0.2	160	<0.5	54	3
2615462	0.5	79	<10	<0.1	480	<0.5	336	59
2615463	2.5	7	<10	0.6	1440	<0.5	214	3
2615464	9.7	6	<10	0.7	1680	<0.5	244	2
2615465	9.7	5	<10	1.3	1320	<0.5	260	3
2615466	1.7	187	10	<0.1	740	<0.5	120	26
2615467	1.1	57	<10	0.6	2170	<0.5	145	3
2615468	1.3	23	<10	<0.1	400	<0.5	24	5
2615469	18.9	306	20	0.2	3680	0.8	77	9
2615470	18.9	300	20	0.2	3340	0.6	84	9
2615471	20.6	210	10	0.1	1240	<0.5	23	9
2615472	7.1	276	10	<0.1	790	<0.5	19	11
2615473	6.1	239	10	<0.1	770	<0.5	45	8
2615474	9.4	252	10	0.1	2100	0.8	36	5
2615475	8.9	261	20	<0.1	1240	<0.5	17	9
2615476	6.0	279	10	<0.1	520	<0.5	7	14
2615477	5.3	103	30	0.2	2130	<0.5	108	3
2615478	15.2	178	<10	<0.1	450	<0.5	21	8
2615479	12.4	228	40	<0.1	3160	0.6	101	6
2615480	0.7	4	<10	<0.1	1030	<0.5	82	2
2615481	10.6	180	30	<0.1	2240	1.0	73	8
2615482	14.7	276	10	0.1	1630	<0.5	21	13
2615483	33.7	271	<10	<0.1	780	<0.5	30	14
2615484	16.5	289	10	<0.1	1080	<0.5	14	10
2615485	5.8	258	<10	0.1	1730	<0.5	51	7
2615486	23.7	241	<10	0.1	1280	<0.5	15	16
2615487	4.7	222	50	0.1	2320	2.2	85	14

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
2615488	13.2	301	20	<0.1	1450	<0.5	41	4
2615489	8.8	173	<10	0.2	2530	<0.5	20	16
2615490	8.7	187	10	0.2	2380	0.9	12	16
2615491	15.5	194	<10	<0.1	980	<0.5	23	11
*Rep 2615388	14.3	173	10	<0.1	960	<0.5	129	8
*Rep 2615398	12.0	131	10	<0.1	210	<0.5	8	14
*Rep 2615452	11.4	317	40	0.1	1270	0.8	7	14
*Rep 2615473	5.5	247	10	0.1	780	<0.5	52	7
*Rep 2615485	5.9	261	10	<0.1	1770	<0.5	49	8
*Std AMIS0169	9.8	60	<10	1.0	920	<0.5	34	2
*Std MMISRM18	23.1	26	<10	8.4	220	<0.5	189	85
*Blk BLANK	<0.5	<1	<10	<0.1	<10	<0.5	<2	<1
*Blk BLANK	<0.5	<1	<10	<0.1	<10	<0.5	<2	<1
*Blk BLANK	<0.5	1	<10	<0.1	<10	<0.5	<2	<1
*Blk BLANK	<0.5	1	<10	<0.1	10	<0.5	<2	<1

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615369	80	146	700	0.9	260	8.0	3.9	3.0
2615370	77	154	700	0.8	290	8.4	4.0	2.8
2615371	445	72	500	0.5	350	50.1	22.8	16.3
2615372	453	208	1400	2.4	610	31.0	13.8	12.3
2615373	126	110	300	4.0	390	17.8	8.1	5.4
2615374	122	36	200	2.6	410	34.0	17.3	12.5
2615375	44	57	100	2.4	130	8.8	5.0	2.2
2615376	53	94	700	1.5	260	4.1	1.6	1.5
2615377	54	223	1300	1.7	320	5.8	2.9	1.6
2615378	121	234	700	2.8	210	7.8	3.6	2.8
2615379	45	602	1300	1.8	180	5.3	2.7	1.5
2615380	8	7	<100	0.3	300	2.6	1.1	0.8
2615381	78	109	500	3.7	160	6.3	2.9	2.2
2615382	115	629	900	1.1	280	6.8	3.2	2.7
2615383	152	193	700	2.2	150	10.4	5.0	4.1
2615384	83	163	600	1.5	140	6.0	2.8	2.2
2615385	99	138	800	4.3	90	6.8	2.7	2.4
2615386	140	360	700	1.1	270	10.8	5.2	3.6
2615387	218	183	1300	2.2	530	43.3	19.7	16.4
2615388	75	163	600	3.5	150	7.5	3.5	2.8
2615389	82	293	1600	5.9	200	7.9	4.3	2.3
2615390	88	300	1600	5.2	200	7.2	3.7	2.3
2615391	29	59	200	6.5	470	4.3	2.3	1.1
2615392	68	133	500	1.7	310	8.8	4.6	2.4
2615393	92	393	1400	2.9	380	6.8	3.1	2.6
2615394	111	574	2300	2.2	280	7.3	3.4	2.5
2615395	138	57	<100	6.6	450	18.1	8.3	5.0
2615396	241	36	<100	7.1	330	21.4	9.5	8.3
2615397	158	126	200	6.2	260	16.9	7.8	6.0
2615398	111	50	<100	8.3	130	14.8	8.3	5.4
2615399	244	67	100	5.1	620	21.5	9.5	8.0
2615400	9	5	<100	0.4	310	3.1	1.3	0.8
2615401	62	77	<100	5.9	120	10.8	6.2	2.7
2615402	207	29	<100	3.6	120	20.7	9.8	8.6
2615403	64	152	<100	4.3	160	9.9	5.5	2.6
2615404	162	93	<100	4.1	230	18.8	11.0	6.2
2615405	124	8	<100	1.9	50	25.7	13.7	10.8
2615406	477	70	<100	4.6	340	42.5	18.4	16.1
2615407	112	94	<100	4.2	240	12.4	6.6	3.8
2615408	156	23	100	5.8	200	12.1	6.1	4.0

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615409	105	30	<100	8.6	250	10.6	5.4	3.2
2615410	156	27	<100	8.3	270	14.7	7.6	4.6
2615411	850	55	300	5.8	570	39.5	18.3	16.4
2615451	249	246	300	4.3	1170	11.7	6.3	4.0
2615452	187	176	300	7.7	300	13.4	7.7	4.1
2615453	167	93	200	4.9	240	12.8	7.0	4.4
2615454	168	46	100	3.8	150	16.8	8.1	5.8
2615455	207	23	100	1.1	230	24.4	11.8	7.7
2615456	274	79	100	1.2	2080	14.3	7.0	6.9
2615457	7	5	<100	0.3	1400	5.7	3.1	1.9
2615458	202	40	<100	0.2	2420	28.5	14.7	9.5
2615459	152	79	100	0.3	6500	20.1	10.9	7.6
2615460	9	4	<100	0.4	350	3.0	1.6	0.9
2615461	53	315	900	0.6	210	9.0	5.2	2.9
2615462	80	33	<100	0.3	480	27.2	19.0	5.4
2615463	44	34	<100	0.4	620	3.4	2.0	1.1
2615464	17	13	<100	0.3	450	12.5	7.5	3.6
2615465	105	31	<100	0.7	1020	15.8	7.7	4.8
2615466	72	167	900	2.1	320	7.0	4.0	2.2
2615467	1790	79	400	0.5	390	146	76.7	51.1
2615468	48	179	1800	0.8	170	5.3	2.6	1.5
2615469	86	172	400	3.8	350	10.5	5.6	3.1
2615470	83	146	300	3.4	320	11.0	5.7	2.9
2615471	161	138	300	7.5	240	14.1	6.0	4.3
2615472	100	101	100	5.3	140	10.5	5.7	3.3
2615473	248	60	300	6.0	300	14.6	6.4	4.5
2615474	176	45	300	6.2	220	19.6	8.9	6.4
2615475	70	137	300	2.4	330	8.3	4.9	2.5
2615476	167	81	200	6.5	260	14.6	7.0	4.6
2615477	285	90	900	4.7	770	41.0	21.1	14.7
2615478	88	81	100	3.2	160	13.1	8.1	3.5
2615479	143	182	1200	4.0	270	9.9	4.8	2.9
2615480	8	5	<100	0.4	300	2.8	1.4	0.8
2615481	100	390	1700	3.0	400	8.0	3.8	2.9
2615482	118	139	200	5.8	170	9.8	4.6	3.4
2615483	142	71	300	9.5	300	10.2	5.2	3.6
2615484	62	110	200	5.4	210	11.1	6.9	2.8
2615485	169	74	200	3.5	120	11.7	5.4	4.2
2615486	144	104	100	5.5	90	17.7	9.2	5.5
2615487	63	188	700	4.4	530	5.4	2.8	1.4

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615488	49	106	200	4.8	130	5.3	2.7	1.9
2615489	76	342	1500	4.0	90	5.4	2.9	2.0
2615490	75	314	1400	3.4	120	5.9	3.0	2.3
2615491	128	415	1100	6.5	120	11.6	5.9	3.8
*Rep 2615388	68	153	600	3.2	150	6.5	3.0	2.6
*Rep 2615398	109	46	<100	7.7	130	15.7	8.6	5.4
*Rep 2615452	205	159	400	7.5	300	13.3	7.2	4.4
*Rep 2615473	258	53	300	5.7	330	15.3	7.0	4.9
*Rep 2615485	159	81	200	4.2	120	11.1	5.4	3.9
*Std AMIS0169	699	99	<100	6.8	4000	26.3	11.6	10.4
*Std MMISRM18	25	85	<100	5.1	940	3.4	1.3	1.1
*Blk BLANK	<2	1	<100	<0.2	<10	<0.5	<0.2	<0.2
*Blk BLANK	<2	<1	<100	<0.2	<10	<0.5	<0.2	<0.2
*Blk BLANK	2	1	<100	<0.2	<10	<0.5	<0.2	<0.2
*Blk BLANK	3	1	<100	<0.2	<10	<0.5	<0.2	<0.2

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
2615369	43	1.5	11.7	<1	<0.1	6.0	36	2
2615370	42	1.2	11.2	<1	<0.1	6.8	35	2
2615371	61	3.0	65.3	<1	<0.1	3.8	190	1
2615372	125	7.0	44.9	<1	<0.1	4.1	181	3
2615373	47	5.8	17.8	<1	0.2	6.3	56	2
2615374	25	5.0	47.7	<1	<0.1	8.7	149	1
2615375	33	10.4	7.3	<1	<0.1	5.1	19	2
2615376	36	3.3	5.2	<1	<0.1	3.1	23	1
2615377	109	7.6	6.4	<1	0.1	5.3	23	3
2615378	36	0.8	10.3	<1	<0.1	5.5	42	1
2615379	84	4.1	5.5	<1	<0.1	12.7	14	4
2615380	4	<0.5	3.7	<1	<0.1	6.5	3	5
2615381	37	2.5	8.0	<1	<0.1	4.4	38	1
2615382	47	2.2	8.6	<1	<0.1	6.3	40	3
2615383	37	1.4	15.3	<1	<0.1	4.3	72	1
2615384	26	0.6	8.4	<1	<0.1	3.8	32	2
2615385	81	5.1	8.4	<1	<0.1	5.2	40	2
2615386	67	2.8	14.1	<1	<0.1	7.5	52	5
2615387	31	1.3	62.5	<1	<0.1	7.7	196	2
2615388	95	11.2	9.1	<1	0.1	6.7	41	7
2615389	102	13.7	8.2	<1	0.1	15.9	32	12
2615390	99	13.3	7.9	<1	0.1	13.7	35	11
2615391	128	20.4	4.4	2	0.2	12.1	14	2
2615392	208	17.9	8.8	1	0.4	6.4	29	4
2615393	134	5.7	8.9	<1	<0.1	8.0	37	5
2615394	60	3.2	9.8	<1	<0.1	8.5	36	4
2615395	33	6.6	18.2	1	0.1	5.7	62	<1
2615396	18	7.7	24.9	2	<0.1	3.9	118	<1
2615397	102	23.5	20.8	<1	0.1	6.5	90	2
2615398	13	7.8	15.6	<1	<0.1	4.3	63	<1
2615399	25	6.7	23.4	<1	<0.1	4.1	125	2
2615400	3	<0.5	3.7	<1	<0.1	6.7	3	4
2615401	33	10.3	9.3	<1	0.1	6.9	31	2
2615402	12	7.0	24.7	<1	<0.1	5.3	103	<1
2615403	46	8.9	7.7	<1	0.2	5.0	29	2
2615404	21	9.0	19.6	<1	<0.1	5.0	86	<1
2615405	114	22.4	40.1	<1	0.2	2.0	148	<1
2615406	33	24.6	60.6	<1	<0.1	4.5	330	1
2615407	54	11.7	12.9	<1	0.1	6.2	51	1
2615408	40	4.9	14.2	<1	0.1	4.3	58	1

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
2615409	43	3.9	9.8	<1	0.2	4.9	42	1
2615410	38	4.9	14.6	<1	0.2	6.1	62	<1
2615411	237	47.5	64.6	2	0.4	3.5	397	4
2615451	175	10.8	14.4	<1	0.1	3.0	71	6
2615452	93	18.3	14.9	<1	0.3	6.0	65	8
2615453	89	17.6	13.7	1	0.2	30.4	65	7
2615454	28	9.3	20.3	<1	<0.1	2.1	76	2
2615455	44	5.6	27.1	<1	0.2	1.7	84	2
2615456	9	0.5	26.8	<1	<0.1	5.6	52	<1
2615457	3	<0.5	9.5	1	<0.1	3.9	5	11
2615458	13	0.5	46.1	<1	<0.1	5.7	67	1
2615459	17	<0.5	31.5	<1	<0.1	3.7	70	3
2615460	2	<0.5	4.0	<1	<0.1	5.8	4	4
2615461	6	<0.5	12.4	<1	<0.1	3.1	16	<1
2615462	40	1.7	25.4	<1	<0.1	1.0	46	<1
2615463	4	<0.5	5.4	<1	<0.1	4.7	4	14
2615464	3	<0.5	18.7	1	<0.1	3.3	12	13
2615465	2	<0.5	23.8	1	<0.1	6.2	14	9
2615466	119	16.0	7.6	<1	0.1	6.5	33	3
2615467	14	<0.5	222	<1	<0.1	2.1	714	4
2615468	29	1.0	5.8	<1	<0.1	4.1	15	3
2615469	156	32.8	10.6	<1	0.2	9.0	38	25
2615470	139	29.5	10.6	<1	0.2	8.1	39	24
2615471	39	8.6	14.2	2	0.2	9.3	72	2
2615472	31	6.0	11.4	<1	0.1	5.8	38	2
2615473	32	5.7	17.2	<1	0.1	5.9	72	2
2615474	107	32.8	21.6	2	0.2	5.6	87	18
2615475	108	10.1	8.5	2	0.3	10.2	25	5
2615476	36	7.6	16.0	1	0.1	6.2	65	1
2615477	78	6.1	63.5	<1	0.1	3.4	236	4
2615478	19	3.8	12.0	<1	<0.1	4.1	32	2
2615479	122	13.0	10.8	<1	0.2	6.6	47	6
2615480	3	<0.5	3.8	<1	<0.1	5.3	3	5
2615481	234	19.3	8.3	<1	0.2	10.9	46	18
2615482	63	12.5	11.1	<1	0.2	5.9	57	4
2615483	57	10.2	13.1	1	0.2	10.3	61	3
2615484	125	9.2	9.7	<1	0.3	3.6	26	4
2615485	90	8.9	14.2	1	0.2	6.7	57	4
2615486	50	7.9	18.8	<1	0.1	8.1	83	3
2615487	210	28.6	5.4	<1	0.3	24.3	18	19

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
2615488	133	36.4	5.1	<1	0.2	4.7	41	1
2615489	84	16.0	6.9	<1	0.1	10.2	44	4
2615490	137	37.6	7.0	<1	0.3	9.1	58	5
2615491	71	8.3	13.5	<1	0.1	6.9	50	5
*Rep 2615388	92	10.5	8.5	<1	<0.1	6.7	36	6
*Rep 2615398	12	7.6	15.2	<1	<0.1	5.1	63	<1
*Rep 2615452	115	24.1	15.3	1	0.3	5.2	73	11
*Rep 2615473	33	5.4	16.8	<1	<0.1	7.0	80	2
*Rep 2615485	89	9.6	12.8	<1	0.2	7.1	54	5
*Std AMIS0169	41	10.4	41.7	<1	<0.1	45.7	398	1
*Std MMISRM18	4	<0.5	5.4	9	<0.1	25.3	6	<1
*Blk BLANK	<1	<0.5	<0.5	<1	<0.1	<0.5	<1	<1
*Blk BLANK	<1	<0.5	<0.5	<1	<0.1	<0.5	<1	<1
*Blk BLANK	1	<0.5	<0.5	<1	<0.1	<0.5	<1	<1
*Blk BLANK	1	<0.5	<0.5	<1	<0.1	<0.5	<1	<1

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
2615369	153	2700	4	2.1	54	3540	1.1	68
2615370	163	2700	5	1.7	55	3670	1.1	81
2615371	181	2800	<2	0.9	295	13800	0.6	52
2615372	70.3	3200	4	7.0	245	3980	1.5	150
2615373	9.1	1300	<2	2.1	89	1720	2.1	220
2615374	19.9	700	<2	1.1	231	4440	0.6	406
2615375	2.3	1300	2	1.5	33	797	1.1	257
2615376	211	400	<2	1.5	29	2380	0.4	48
2615377	204	300	<2	3.7	32	3170	1.4	156
2615378	158	1600	2	1.1	58	4720	0.6	70
2615379	171	3200	3	2.9	22	3130	1.2	142
2615380	20.0	700	2	<0.5	13	18	<0.1	137
2615381	136	600	<2	1.9	49	2510	0.4	120
2615382	230	9700	3	1.7	55	7180	0.8	116
2615383	183	1000	<2	1.4	93	3820	0.6	78
2615384	170	1700	<2	0.7	47	5540	0.5	79
2615385	84.4	900	<2	4.5	50	2390	0.7	107
2615386	208	2600	2	1.8	76	8850	0.9	109
2615387	180	2700	2	1.3	336	11000	0.6	190
2615388	43.1	1200	3	5.0	50	2960	1.3	115
2615389	29.1	4600	2	4.5	38	2920	7.9	158
2615390	25.7	4200	3	4.8	39	2650	8.9	156
2615391	4.0	1200	3	2.2	16	486	8.3	124
2615392	18.8	400	<2	5.0	44	2190	5.0	246
2615393	170	4500	<2	2.8	46	4040	1.9	91
2615394	167	6100	2	1.5	51	5500	1.2	275
2615395	1.1	500	3	1.0	96	281	0.9	124
2615396	<0.5	500	<2	0.7	148	94	0.7	185
2615397	1.3	3300	4	6.8	101	292	3.6	239
2615398	<0.5	1200	3	<0.5	82	213	0.3	189
2615399	0.5	400	2	1.6	132	125	1.1	216
2615400	19.3	700	2	<0.5	13	6	<0.1	139
2615401	0.6	500	<2	<0.5	45	260	0.4	383
2615402	<0.5	400	3	<0.5	142	48	0.5	265
2615403	0.5	400	<2	1.3	40	396	1.2	375
2615404	<0.5	400	3	1.4	114	185	0.8	367
2615405	0.6	<100	<2	6.7	252	51	2.1	62
2615406	0.7	2000	3	3.7	331	186	1.9	335
2615407	<0.5	900	<2	1.9	65	213	1.7	250
2615408	<0.5	200	3	1.7	72	165	1.8	198

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
2615409	<0.5	<100	2	1.4	58	202	1.2	127
2615410	<0.5	200	2	1.4	85	178	1.1	142
2615411	3.0	500	10	15.9	409	260	9.5	121
2615451	26.4	26400	9	6.0	84	533	1.0	103
2615452	1.9	1900	4	7.9	71	503	4.1	262
2615453	3.2	3500	5	9.0	72	472	3.2	166
2615454	1.0	1500	3	1.9	94	302	1.5	141
2615455	<0.5	100	<2	1.7	134	192	0.6	147
2615456	97.3	4200	3	0.6	122	801	0.1	23
2615457	102	600	3	<0.5	21	149	<0.1	21
2615458	137	2800	2	<0.5	145	2160	0.1	73
2615459	140	1700	9	<0.5	136	3650	0.2	77
2615460	19.6	600	2	<0.5	15	24	<0.1	143
2615461	182	7300	<2	<0.5	45	17200	0.2	59
2615462	197	2600	<2	<0.5	76	6280	0.3	154
2615463	145	2200	5	<0.5	14	217	<0.1	32
2615464	350	900	<2	<0.5	38	1310	<0.1	35
2615465	260	1900	<2	<0.5	53	1070	<0.1	78
2615466	42.1	1100	<2	3.5	37	1740	1.9	115
2615467	266	1100	<2	1.1	1130	3220	0.1	90
2615468	201	1000	<2	0.8	27	6090	0.6	27
2615469	18.2	1800	3	13.8	44	1150	3.8	268
2615470	17.1	1500	3	12.5	44	1140	3.3	268
2615471	4.1	3500	2	2.1	75	1380	2.8	230
2615472	1.3	700	3	1.9	57	703	2.3	238
2615473	6.0	600	3	2.5	72	470	2.6	156
2615474	12.3	600	3	15.8	113	876	3.7	175
2615475	10.5	500	3	3.8	33	2000	4.9	246
2615476	1.2	1500	3	3.0	77	474	2.4	199
2615477	55.4	3200	5	4.2	331	1620	2.6	92
2615478	1.9	1100	<2	<0.5	50	1040	0.6	186
2615479	32.9	4200	3	6.8	58	1390	5.9	129
2615480	17.8	600	2	<0.5	13	22	0.1	135
2615481	77.4	4400	4	12.8	51	2170	3.2	248
2615482	2.7	2200	4	3.6	61	568	2.0	181
2615483	4.8	1400	4	2.5	73	620	2.6	380
2615484	2.2	100	<2	3.1	42	541	2.3	248
2615485	4.7	600	2	3.5	70	622	3.2	168
2615486	0.8	1500	3	2.4	90	579	1.4	336
2615487	26.5	11800	4	7.4	24	1310	19.1	421

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
2615488	4.9	300	2	5.4	30	630	5.3	148
2615489	50.1	2500	6	4.7	35	3190	3.6	74
2615490	34.9	3800	5	8.3	38	1680	6.1	126
2615491	20.2	2600	5	3.7	61	5240	2.3	219
*Rep 2615388	43.7	1200	3	5.1	44	3010	1.2	111
*Rep 2615398	<0.5	1100	2	<0.5	84	211	0.3	196
*Rep 2615452	2.1	1700	3	10.1	76	481	5.0	160
*Rep 2615473	6.8	500	4	3.3	83	415	2.0	146
*Rep 2615485	4.9	600	2	3.3	67	628	3.3	167
*Std AMIS0169	33.6	4100	4	2.1	352	463	2.2	110
*Std MMISRM18	97.8	1000	35	<0.5	17	512	0.5	294
*Blk BLANK	<0.5	<100	<2	<0.5	<1	<5	<0.1	<5
*Blk BLANK	<0.5	<100	<2	<0.5	<1	<5	<0.1	<5
*Blk BLANK	<0.5	<100	<2	<0.5	1	5	<0.1	<5
*Blk BLANK	<0.5	<100	<2	<0.5	1	6	0.1	<5

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615369	<1	12.2	<0.1	44	<0.5	26	12	<1
2615370	<1	12.0	<0.1	37	<0.5	26	11	<1
2615371	<1	67.5	<0.1	29	<0.5	60	62	<1
2615372	<1	55.4	<0.1	34	0.7	77	50	<1
2615373	<1	17.9	<0.1	73	<0.5	44	18	<1
2615374	<1	48.5	<0.1	54	<0.5	48	49	<1
2615375	<1	6.6	<0.1	79	<0.5	26	8	<1
2615376	<1	6.3	<0.1	20	<0.5	26	6	<1
2615377	<1	6.7	<0.1	33	<0.5	30	6	<1
2615378	<1	13.5	<0.1	65	<0.5	18	11	<1
2615379	<1	5.0	<0.1	66	<0.5	20	6	<1
2615380	<1	2.0	<0.1	11	<0.5	<5	3	<1
2615381	<1	10.7	<0.1	82	<0.5	14	10	<1
2615382	<1	12.1	<0.1	64	<0.5	25	10	<1
2615383	<1	20.5	<0.1	51	<0.5	25	17	<1
2615384	<1	10.7	<0.1	55	<0.5	13	9	<1
2615385	<1	11.6	<0.1	72	<0.5	18	9	<1
2615386	<1	16.1	<0.1	31	<0.5	28	16	<1
2615387	<1	70.0	<0.1	69	<0.5	39	66	<1
2615388	<1	11.4	<0.1	110	<0.5	24	10	<1
2615389	<1	8.4	<0.1	140	<0.5	41	8	<1
2615390	<1	9.2	<0.1	135	0.6	37	8	<1
2615391	<1	3.6	<0.1	102	<0.5	26	3	<1
2615392	<1	9.3	<0.1	23	<0.5	31	10	<1
2615393	<1	10.7	<0.1	75	<0.5	29	8	<1
2615394	<1	11.4	<0.1	56	<0.5	30	10	<1
2615395	<1	21.7	<0.1	57	<0.5	37	20	<1
2615396	<1	33.9	<0.1	82	<0.5	50	28	<1
2615397	<1	25.5	<0.1	101	<0.5	40	20	<1
2615398	<1	18.1	<0.1	75	<0.5	43	17	<1
2615399	<1	31.1	<0.1	71	<0.5	60	26	<1
2615400	<1	2.2	<0.1	11	<0.5	<5	3	<1
2615401	<1	9.6	<0.1	99	<0.5	26	10	<1
2615402	<1	32.6	<0.1	51	<0.5	53	29	<1
2615403	<1	8.8	<0.1	67	<0.5	32	8	<1
2615404	<1	24.5	<0.1	44	<0.5	41	22	<1
2615405	<1	56.8	<0.1	29	<0.5	28	47	<1
2615406	<1	83.2	<0.1	94	<0.5	49	63	<1
2615407	<1	14.0	<0.1	83	<0.5	40	14	<1
2615408	<1	17.4	<0.1	71	<0.5	43	15	<1

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615409	<1	12.9	<0.1	86	<0.5	28	11	<1
2615410	<1	19.5	<0.1	96	<0.5	33	17	<1
2615411	<1	116	<0.1	73	0.8	49	80	3
2615451	<1	21.0	<0.1	87	1.1	30	17	<1
2615452	<1	17.9	<0.1	142	0.9	49	15	1
2615453	<1	17.0	<0.1	165	0.8	41	15	1
2615454	<1	22.4	<0.1	51	0.6	30	23	<1
2615455	<1	30.1	<0.1	25	0.5	39	29	<1
2615456	<1	22.0	<0.1	52	<0.5	11	27	<1
2615457	<1	3.4	<0.1	36	<0.5	<5	7	<1
2615458	<1	29.7	<0.1	47	<0.5	13	42	<1
2615459	<1	27.5	<0.1	33	2.1	14	32	<1
2615460	<1	2.7	<0.1	11	<0.5	<5	4	<1
2615461	<1	8.2	0.1	27	<0.5	12	12	<1
2615462	<1	15.9	<0.1	27	0.8	31	20	<1
2615463	<1	2.0	<0.1	24	<0.5	<5	4	<1
2615464	<1	6.3	<0.1	42	<0.5	<5	14	<1
2615465	<1	7.9	<0.1	63	<0.5	<5	18	<1
2615466	<1	8.9	<0.1	48	<0.5	31	8	<1
2615467	<1	244	<0.1	23	<0.5	77	243	<1
2615468	<1	5.8	<0.1	33	<0.5	17	6	<1
2615469	<1	10.7	<0.1	117	<0.5	47	10	3
2615470	<1	10.5	<0.1	107	<0.5	44	11	2
2615471	<1	19.6	<0.1	149	0.5	32	16	<1
2615472	<1	12.2	<0.1	75	0.6	23	12	<1
2615473	<1	19.1	<0.1	138	<0.5	27	19	<1
2615474	<1	25.5	<0.1	60	0.6	45	24	2
2615475	<1	7.7	<0.1	73	<0.5	26	8	<1
2615476	<1	17.8	<0.1	92	<0.5	28	17	<1
2615477	<1	69.5	<0.1	62	0.5	81	68	<1
2615478	<1	11.5	<0.1	66	<0.5	27	13	<1
2615479	<1	13.3	<0.1	110	1.4	44	11	1
2615480	<1	2.3	<0.1	12	<0.5	<5	4	<1
2615481	<1	13.3	<0.1	91	0.9	52	10	2
2615482	<1	14.3	<0.1	170	0.7	28	13	<1
2615483	<1	17.0	<0.1	138	0.8	29	15	<1
2615484	<1	9.2	<0.1	116	<0.5	27	10	<1
2615485	<1	17.1	<0.1	163	<0.5	19	15	<1
2615486	<1	21.9	<0.1	112	0.9	28	20	<1
2615487	<1	5.6	<0.1	220	1.6	41	5	3

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615488	<1	7.3	<0.1	112	0.9	18	6	1
2615489	<1	8.9	<0.1	95	0.7	24	7	1
2615490	<1	10.5	<0.1	84	0.6	28	8	3
2615491	<1	14.8	<0.1	141	0.8	29	14	<1
*Rep 2615388	<1	9.9	<0.1	104	<0.5	21	9	<1
*Rep 2615398	<1	18.1	<0.1	78	<0.5	44	17	<1
*Rep 2615452	<1	20.0	0.1	127	1.3	50	16	2
*Rep 2615473	<1	20.0	<0.1	123	0.6	31	18	<1
*Rep 2615485	<1	16.2	<0.1	167	0.7	20	14	<1
*Std AMIS0169	<1	90.0	0.2	232	0.7	64	55	<1
*Std MMISRM18	13	2.9	8.7	135	<0.5	<5	5	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	<5	<1	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	<5	<1	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	<5	<1	<1
*Blk BLANK	<1	0.7	<0.1	<1	<0.5	<5	<1	<1

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615369	180	<1	1.6	<10	6.7	570	0.1	5.3
2615370	220	<1	1.5	<10	6.5	570	0.1	5.3
2615371	200	<1	9.2	<10	13.8	430	<0.1	10.6
2615372	180	<1	6.2	<10	31.4	2400	0.4	11.6
2615373	70	<1	2.9	<10	11.1	620	0.2	6.0
2615374	110	<1	6.4	<10	6.2	410	0.3	5.3
2615375	20	<1	1.4	<10	5.6	500	0.2	3.5
2615376	210	<1	0.7	<10	3.8	510	<0.1	5.3
2615377	100	<1	1.0	<10	5.7	1360	<0.1	5.1
2615378	170	<1	1.5	<10	5.1	400	<0.1	10.4
2615379	160	<1	0.8	<10	3.8	1280	<0.1	3.4
2615380	270	<1	0.6	<10	0.8	30	<0.1	1.3
2615381	170	<1	1.2	<10	4.5	850	<0.1	5.3
2615382	130	<1	1.3	<10	9.2	510	<0.1	9.3
2615383	220	<1	2.2	<10	7.7	470	<0.1	9.7
2615384	110	<1	1.0	<10	5.5	300	<0.1	6.9
2615385	140	<1	1.1	<10	6.0	1480	0.1	4.4
2615386	120	<1	2.1	<10	7.7	510	<0.1	7.1
2615387	320	<1	8.2	<10	9.8	400	0.2	14.0
2615388	390	<1	1.2	<10	6.6	1440	0.4	3.9
2615389	220	<1	1.3	<10	8.6	1060	0.3	4.9
2615390	200	<1	1.3	<10	8.7	1020	0.3	5.3
2615391	40	<1	0.7	<10	5.4	870	0.4	3.1
2615392	70	<1	1.5	<10	6.5	1690	0.1	3.4
2615393	220	<1	1.2	<10	5.2	770	0.2	4.7
2615394	260	<1	1.2	<10	5.4	670	0.2	6.3
2615395	10	<1	3.0	<10	11.6	360	0.5	10.1
2615396	<10	<1	3.8	<10	10.7	340	0.3	6.1
2615397	60	<1	2.7	<10	27.9	2380	0.3	12.7
2615398	<10	<1	2.5	<10	3.5	80	0.2	4.2
2615399	<10	<1	3.8	<10	30.8	560	0.2	9.0
2615400	300	<1	0.5	<10	1.7	10	<0.1	1.5
2615401	70	<1	1.6	<10	3.5	270	0.2	2.7
2615402	<10	<1	3.6	<10	7.7	190	0.5	5.8
2615403	90	<1	1.5	<10	4.7	510	0.3	3.3
2615404	<10	<1	3.0	<10	5.3	480	0.3	4.2
2615405	20	<1	4.5	<10	7.4	1040	0.2	6.7
2615406	30	<1	7.7	<10	11.6	1380	0.6	10.1
2615407	<10	<1	2.0	<10	12.0	770	0.2	8.4
2615408	<10	<1	2.1	<10	16.6	570	0.4	8.7

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615409	<10	<1	1.8	<10	8.0	210	0.3	4.5
2615410	<10	<1	2.4	<10	9.1	270	0.4	5.3
2615411	100	1	7.3	<10	62.1	7230	0.7	28.3
2615451	230	<1	1.9	<10	15.1	1790	0.2	12.8
2615452	20	<1	2.2	<10	26.2	3060	0.5	8.9
2615453	60	<1	2.2	<10	15.8	2650	0.5	7.1
2615454	<10	<1	2.9	<10	12.7	650	0.4	9.2
2615455	<10	<1	3.8	<10	13.6	430	0.5	7.7
2615456	670	<1	3.0	<10	11.0	40	0.5	15.4
2615457	540	<1	1.0	<10	1.8	20	0.4	1.5
2615458	740	<1	5.5	<10	17.9	10	0.3	80.8
2615459	660	<1	3.9	<10	24.8	20	0.1	56.3
2615460	260	<1	0.6	<10	2.4	30	<0.1	3.2
2615461	90	<1	1.7	<10	4.3	20	0.2	1.4
2615462	580	<1	4.1	<10	5.8	30	0.3	48.3
2615463	590	<1	0.6	<10	3.1	20	0.6	3.2
2615464	620	<1	2.5	<10	2.0	<10	0.4	3.1
2615465	480	<1	3.0	<10	3.4	<10	0.7	1.5
2615466	300	<1	1.2	<10	4.5	1710	0.2	2.5
2615467	520	<1	28.8	<10	81.6	220	0.4	31.5
2615468	80	<1	1.0	<10	6.4	290	<0.1	3.1
2615469	370	<1	1.7	<10	11.0	5390	0.4	5.3
2615470	360	<1	1.8	<10	10.0	4840	0.4	4.8
2615471	40	<1	2.4	<10	20.1	640	0.7	7.3
2615472	30	<1	1.8	<10	9.0	500	0.3	3.6
2615473	60	<1	2.7	<10	20.1	1040	0.4	9.0
2615474	130	<1	3.1	<10	15.2	4500	0.7	6.0
2615475	80	<1	1.3	<10	9.6	1370	0.3	5.4
2615476	<10	<1	2.5	<10	12.2	1070	0.3	4.4
2615477	260	<1	8.0	<10	20.0	1150	0.2	12.5
2615478	<10	<1	2.0	<10	6.2	200	0.2	3.2
2615479	380	<1	1.8	<10	13.6	2080	0.3	5.7
2615480	240	<1	0.5	<10	0.8	40	0.1	1.7
2615481	400	<1	1.3	<10	15.8	4870	0.3	5.3
2615482	60	<1	1.7	<10	10.9	1220	0.3	4.8
2615483	70	<1	1.9	<10	18.6	770	0.5	8.3
2615484	90	<1	1.6	<10	6.5	1300	0.2	4.8
2615485	140	<1	2.1	<10	13.5	880	0.3	5.0
2615486	50	<1	2.9	<10	10.2	780	0.4	5.3
2615487	330	<1	0.8	<10	14.0	2210	0.6	5.2

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615488	300	<1	0.8	<10	5.0	1470	0.3	2.2
2615489	220	<1	1.1	<10	5.1	1640	0.3	4.0
2615490	140	<1	1.0	<10	7.1	2660	0.4	5.0
2615491	60	<1	1.9	<10	14.7	1600	0.4	6.9
*Rep 2615388	390	<1	1.1	<10	5.8	1380	0.2	3.7
*Rep 2615398	<10	<1	2.6	<10	3.3	70	0.2	4.0
*Rep 2615452	20	1	2.2	<10	31.1	3850	0.6	9.6
*Rep 2615473	80	<1	3.0	<10	20.9	1020	0.4	9.7
*Rep 2615485	150	<1	2.1	<10	13.0	890	0.4	5.2
*Std AMIS0169	70	<1	5.3	<10	64.1	310	0.9	24.0
*Std MMISRM18	1560	<1	0.7	<10	15.1	<10	0.2	28.7
*Blk BLANK	<10	<1	<0.1	<10	<0.5	10	<0.1	<0.5
*Blk BLANK	<10	<1	<0.1	<10	<0.5	<10	<0.1	<0.5
*Blk BLANK	<10	<1	<0.1	<10	<0.5	<10	<0.1	<0.5
*Blk BLANK	<10	<1	<0.1	<10	<0.5	<10	<0.1	<0.5

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
2615369	1.0	41	3.3	130	28
2615370	0.8	43	3.0	180	28
2615371	0.6	249	15.7	40	23
2615372	1.6	149	10.3	60	65
2615373	<0.5	84	6.1	520	31
2615374	0.6	205	11.7	70	22
2615375	<0.5	46	3.7	140	17
2615376	<0.5	21	1.2	50	13
2615377	<0.5	24	2.2	250	19
2615378	0.8	35	2.3	60	21
2615379	1.0	23	2.0	360	20
2615380	0.8	16	1.0	520	4
2615381	0.5	28	2.3	90	32
2615382	<0.5	35	2.3	370	21
2615383	<0.5	55	3.1	160	27
2615384	0.9	27	2.3	50	16
2615385	0.8	30	1.9	50	21
2615386	<0.5	65	3.8	250	15
2615387	0.6	219	14.2	210	21
2615388	0.7	34	2.8	120	23
2615389	0.6	36	3.0	2730	33
2615390	0.9	33	2.6	2280	37
2615391	0.5	19	2.2	2010	42
2615392	0.6	43	4.4	640	27
2615393	0.9	33	2.7	330	18
2615394	0.6	32	3.2	170	21
2615395	0.5	90	6.6	190	22
2615396	<0.5	95	7.9	390	28
2615397	1.7	58	6.9	320	55
2615398	<0.5	94	6.9	670	12
2615399	0.7	87	7.2	140	51
2615400	<0.5	17	1.1	550	5
2615401	<0.5	66	5.4	80	14
2615402	<0.5	102	8.3	40	23
2615403	<0.5	58	4.3	530	16
2615404	<0.5	115	8.1	330	16
2615405	1.0	123	11.0	<10	28
2615406	1.2	182	12.9	410	28
2615407	<0.5	61	5.0	120	34
2615408	0.6	57	4.6	200	37

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
2615409	<0.5	59	4.1	250	19
2615410	<0.5	81	6.1	210	22
2615411	4.2	148	15.4	140	101
2615451	1.1	57	4.8	20	41
2615452	1.3	68	5.9	340	64
2615453	1.3	64	5.3	310	62
2615454	1.2	77	5.5	30	36
2615455	0.7	119	9.1	<10	29
2615456	0.9	76	4.2	20	16
2615457	1.5	35	3.0	<10	5
2615458	<0.5	163	12.4	120	24
2615459	1.1	119	8.6	40	30
2615460	0.9	16	1.3	500	6
2615461	0.9	50	3.6	140	6
2615462	0.6	191	15.1	750	12
2615463	<0.5	23	1.6	10	15
2615464	0.6	82	6.1	<10	9
2615465	1.8	88	5.9	<10	11
2615466	1.1	36	2.9	170	21
2615467	1.2	774	57.6	20	63
2615468	0.6	26	2.2	30	14
2615469	1.6	53	4.9	620	64
2615470	1.5	53	4.5	490	58
2615471	1.1	58	4.7	190	57
2615472	0.9	59	4.4	50	26
2615473	0.9	58	4.3	150	55
2615474	1.9	89	7.4	300	65
2615475	1.1	37	4.5	140	41
2615476	0.7	71	4.6	70	40
2615477	1.2	240	14.4	30	74
2615478	1.0	70	5.4	30	27
2615479	1.3	50	3.7	150	66
2615480	0.6	17	1.1	540	5
2615481	1.9	34	3.3	620	48
2615482	0.8	47	3.6	550	44
2615483	0.8	53	3.5	210	47
2615484	0.9	60	5.6	50	21
2615485	1.3	52	4.0	60	31
2615486	1.2	88	7.5	40	28
2615487	1.3	28	2.6	1510	72

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
2615488	0.6	26	2.2	70	25
2615489	1.1	33	1.9	930	24
2615490	1.3	26	2.3	650	38
2615491	1.3	57	6.3	60	40
*Rep 2615388	1.0	32	2.9	160	23
*Rep 2615398	<0.5	91	7.2	650	13
*Rep 2615452	1.8	58	6.1	290	78
*Rep 2615473	1.0	61	4.4	100	60
*Rep 2615485	1.2	50	3.8	80	34
*Std AMIS0169	1.7	119	9.4	210	42
*Std MMISRM18	<0.5	22	0.9	770	25
*Blk BLANK	<0.5	<1	<0.2	<10	<2
*Blk BLANK	<0.5	<1	<0.2	<10	<2
*Blk BLANK	<0.5	<1	<0.2	<10	<2
*Blk BLANK	0.7	2	<0.2	<10	<2

Certificate of Analysis
Work Order : VC151546
[Report File No.: 0000012076]

Date: August 04, 2015

To: **RON VOORDOUW**
EQUITY EXPLORATION CONSULTANTS LTD
200-900 WEST HASTINGS ST
VANCOUVER BC V6C 1E5

P.O. No.: KSK-15-13_01/2615492-2615575
Project No.: -
Samples: 84
Received: Jul 9, 2015
Pages: Page 1 to 22
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
84	G_LOG02	Pre-preparation processing, sorting, logging, boxing
84	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Storage: Pulp & Reject

REJECT STORAGE : STORE FOR 30 DAYS

Certified By : ______________________

Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
2615492	5.3	48	10	0.2	1010	<0.5	43	29
2615493	4.7	19	<10	0.3	600	<0.5	51	2
2615494	0.9	26	<10	<0.1	480	<0.5	79	20
2615495	5.8	192	20	<0.1	670	<0.5	66	7
2615496	3.9	252	30	<0.1	1370	1.6	55	15
2615497	6.9	235	20	<0.1	960	<0.5	25	23
2615498	1.0	220	20	<0.1	1260	2.9	44	23
2615499	3.5	245	<10	<0.1	330	<0.5	6	9
2615500	0.7	4	<10	<0.1	720	<0.5	93	2
2615501	4.7	304	40	<0.1	1280	1.2	71	24
2615502	5.8	248	20	0.3	1000	<0.5	17	8
2615503	6.9	141	<10	0.1	190	<0.5	9	12
2615504	6.8	292	<10	<0.1	470	<0.5	7	27
2615505	7.1	178	<10	<0.1	350	<0.5	5	18
2615506	6.2	282	20	0.1	1060	<0.5	17	17
2615507	8.2	263	<10	0.2	430	<0.5	30	9
2615508	1.1	312	<10	<0.1	320	<0.5	11	3
2615509	1.6	137	20	0.2	970	<0.5	159	5
2615510	3.2	143	10	0.4	1010	0.6	161	6
2615511	16.2	201	<10	<0.1	850	<0.5	66	11
2615512	3.3	206	60	0.1	970	<0.5	47	9
2615513	11.0	218	10	0.1	390	<0.5	11	25
2615514	15.6	329	70	<0.1	760	<0.5	6	30
2615515	16.8	359	30	<0.1	1100	<0.5	16	18
2615516	1.8	249	50	<0.1	700	0.7	39	19
2615517	14.6	274	90	<0.1	820	0.5	15	7
2615518	21.9	172	10	0.2	750	<0.5	134	25
2615519	13.7	279	<10	0.2	1470	0.6	58	11
2615520	0.9	5	<10	<0.1	800	<0.5	111	2
2615521	3.8	285	20	0.3	1180	<0.5	18	6
2615522	5.4	272	<10	0.3	790	0.6	6	13
2615523	6.3	259	<10	0.2	370	<0.5	6	12
2615524	2.8	151	20	0.1	1120	1.0	56	20
2615525	3.5	20	80	0.2	670	0.5	255	6
2615526	4.0	57	20	0.4	450	0.6	354	36
2615527	5.3	306	210	0.4	2760	1.6	16	18
2615528	3.7	102	<10	0.4	300	<0.5	164	3
2615529	6.9	327	30	<0.1	450	<0.5	11	16
2615530	5.8	280	20	<0.1	380	<0.5	7	12
2615531	<0.5	216	<10	<0.1	1040	6.7	62	13

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
2615532	2.9	237	<10	<0.1	240	<0.5	148	5
2615533	5.9	256	20	<0.1	290	<0.5	9	26
2615534	2.1	249	20	<0.1	320	<0.5	13	7
2615535	8.8	140	<10	0.2	510	<0.5	272	7
2615536	9.3	316	10	<0.1	710	0.6	50	10
2615537	23.4	208	<10	0.2	760	<0.5	83	13
2615538	13.5	237	<10	<0.1	340	<0.5	31	14
2615539	11.9	189	<10	0.2	120	<0.5	78	7
2615540	0.9	4	<10	0.2	670	<0.5	109	2
2615541	6.5	86	20	0.1	230	<0.5	298	14
2615542	11.2	162	10	0.1	460	<0.5	221	14
2615543	5.1	217	<10	<0.1	350	0.5	9	12
2615544	12.4	228	50	0.4	590	<0.5	9	3
2615545	9.5	155	10	0.4	540	<0.5	30	5
2615546	10.4	239	30	<0.1	370	<0.5	145	38
2615547	14.0	326	460	0.2	1500	3.8	39	19
2615548	7.1	311	20	0.1	390	<0.5	17	8
2615549	7.7	240	10	0.1	530	<0.5	4	7
2615550	8.4	276	10	0.1	510	0.7	4	9
2615551	12.4	265	30	0.1	800	0.8	11	4
2615552	6.1	312	30	0.1	1310	0.6	2	14
2615553	2.3	225	10	0.1	400	<0.5	9	22
2615554	2.5	180	<10	<0.1	180	<0.5	<2	8
2615555	0.6	200	<10	0.1	220	<0.5	<2	13
2615556	3.6	171	10	<0.1	520	<0.5	9	8
2615557	7.9	194	<10	<0.1	390	<0.5	4	16
2615558	12.0	267	30	0.3	1330	0.6	22	16
2615559	7.4	319	20	<0.1	1680	0.7	11	21
2615560	0.8	3	<10	0.1	810	<0.5	109	2
2615561	7.7	254	<10	<0.1	590	<0.5	7	9
2615562	24.3	247	10	<0.1	330	<0.5	6	15
2615563	5.1	246	40	0.3	280	0.6	35	6
2615564	15.4	198	<10	0.2	220	<0.5	13	5
2615565	10.1	194	20	0.3	440	<0.5	67	4
2615566	8.7	231	20	0.2	960	<0.5	47	11
2615567	13.6	138	80	0.5	610	0.5	190	7
2615568	1.5	228	<10	<0.1	540	<0.5	5	13
2615569	2.4	276	<10	0.2	150	<0.5	3	8
2615570	2.9	291	<10	0.1	140	<0.5	2	9
2615571	4.5	278	10	<0.1	250	<0.5	<2	14

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
2615572	3.8	307	20	0.1	380	<0.5	4	6
2615573	4.1	251	<10	0.2	200	<0.5	5	17
2615574	4.4	144	<10	0.2	240	<0.5	3	3
2615575	3.0	249	20	0.2	530	1.0	7	5
*Rep 2615502	5.2	218	20	0.3	850	<0.5	16	6
*Rep 2615515	16.7	333	40	0.1	1190	<0.5	12	16
*Rep 2615544	10.4	179	50	0.3	640	<0.5	18	3
*Rep 2615556	3.7	170	<10	0.1	530	<0.5	10	8
*Rep 2615567	13.8	148	80	0.4	560	<0.5	190	8
*Std AMIS0169	9.6	63	<10	0.6	1040	<0.5	41	2
*Std MMISRM18	22.5	24	10	7.6	140	<0.5	230	80
*Blk BLANK	<0.5	2	<10	<0.1	<10	<0.5	<2	<1
*Blk BLANK	<0.5	2	<10	<0.1	<10	<0.5	<2	<1
*Blk BLANK	<0.5	1	<10	<0.1	<10	<0.5	<2	<1
*Blk BLANK	<0.5	1	<10	<0.1	<10	<0.5	<2	<1

Element Method Det.Lim. Units	Ce GE_MMI_M 2 ppb	Co GE_MMI_M 1 ppb	Cr GE_MMI_M 100 ppb	Cs GE_MMI_M 0.2 ppb	Cu GE_MMI_M 10 ppb	Dy GE_MMI_M 0.5 ppb	Er GE_MMI_M 0.2 ppb	Eu GE_MMI_M 0.2 ppb
2615492	78	264	1300	3.4	240	6.6	2.8	2.1
2615493	132	52	300	2.3	210	21.4	10.0	8.3
2615494	383	1040	500	1.6	280	46.1	22.0	19.4
2615495	102	183	1000	3.7	150	12.3	6.0	3.9
2615496	85	297	800	2.8	410	11.1	6.4	3.2
2615497	65	441	400	2.8	260	11.7	6.8	2.4
2615498	37	98	400	1.5	240	7.1	4.2	1.6
2615499	22	122	200	5.1	280	5.3	3.6	0.9
2615500	9	4	<100	0.2	280	2.7	1.3	0.6
2615501	148	412	1100	4.5	630	14.1	7.3	4.3
2615502	134	117	900	5.0	360	13.5	6.7	4.0
2615503	204	15	<100	7.0	230	20.6	8.5	8.4
2615504	63	83	200	13.1	290	9.7	4.8	2.8
2615505	57	51	<100	3.7	240	11.1	6.3	2.5
2615506	52	47	100	3.8	170	7.4	3.9	2.5
2615507	720	18	200	12.4	700	76.4	31.2	30.1
2615508	458	9	300	5.2	250	31.1	14.1	13.0
2615509	874	59	300	8.2	1510	60.3	32.6	27.9
2615510	1120	64	300	7.9	1650	69.1	36.6	32.4
2615511	86	139	100	4.8	440	11.6	5.6	3.4
2615512	131	317	1000	4.0	310	16.9	7.2	5.3
2615513	50	91	<100	19.5	380	10.4	5.4	2.6
2615514	97	247	700	26.4	520	9.5	5.2	2.7
2615515	85	139	400	24.4	350	6.5	3.7	2.5
2615516	77	54	200	12.2	140	8.7	6.0	2.4
2615517	256	651	900	13.4	380	16.4	7.9	5.3
2615518	287	124	200	5.8	400	17.8	9.1	6.7
2615519	417	159	200	7.5	800	61.9	32.2	22.1
2615520	13	5	<100	0.3	290	3.4	1.4	0.9
2615521	260	141	300	6.5	280	17.0	7.6	5.9
2615522	422	68	200	8.3	910	39.4	18.9	13.5
2615523	223	60	100	4.3	530	33.6	19.1	8.2
2615524	208	1210	200	4.0	290	20.2	11.7	5.1
2615525	754	101	100	0.8	5130	33.3	13.7	15.5
2615526	385	84	<100	2.4	6960	38.8	19.5	13.2
2615527	2400	511	800	2.7	980	108	67.2	35.7
2615528	362	57	<100	1.3	950	50.9	24.2	23.3
2615529	63	42	100	2.7	180	8.1	4.5	2.9
2615530	47	26	<100	1.4	190	8.0	4.1	2.5
2615531	9	368	<100	3.5	90	2.5	3.8	0.4

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615532	175	25	200	9.3	850	58.0	30.0	22.5
2615533	67	34	200	10.9	360	9.7	5.2	2.7
2615534	39	26	100	3.7	190	7.0	3.1	1.8
2615535	180	111	100	6.0	570	12.7	6.5	4.8
2615536	265	114	200	5.6	370	14.4	6.6	5.1
2615537	234	32	100	6.8	350	17.0	8.5	5.3
2615538	70	46	<100	6.4	180	10.9	5.2	3.6
2615539	374	18	<100	4.2	390	40.9	17.5	15.1
2615540	9	4	<100	0.4	310	3.2	1.5	0.8
2615541	113	93	100	3.4	1380	13.4	7.2	4.7
2615542	77	95	100	3.3	380	8.7	4.5	2.8
2615543	42	107	100	3.6	250	7.9	5.0	1.5
2615544	350	58	600	4.7	320	27.4	12.4	11.0
2615545	313	202	400	6.4	610	22.8	9.6	8.4
2615546	132	372	300	10.4	720	15.6	7.8	4.1
2615547	441	697	800	10.5	540	12.4	6.6	5.8
2615548	131	94	200	7.2	300	17.6	10.1	5.2
2615549	139	78	100	6.1	300	19.2	9.7	5.2
2615550	126	97	100	6.8	310	18.2	9.6	4.8
2615551	305	170	500	9.7	310	23.8	11.8	8.5
2615552	210	131	400	4.9	240	14.1	6.9	5.0
2615553	124	30	100	7.6	570	10.0	5.4	3.0
2615554	35	16	<100	6.1	300	7.7	4.0	2.0
2615555	32	24	<100	8.0	290	6.3	2.8	1.4
2615556	93	93	<100	4.5	180	10.7	5.7	3.2
2615557	98	140	<100	2.5	210	14.2	7.0	4.7
2615558	540	181	600	7.7	630	35.4	19.0	14.4
2615559	80	109	200	5.6	330	10.2	5.4	3.6
2615560	8	4	<100	0.3	310	2.9	1.3	0.7
2615561	59	122	200	4.1	230	11.4	7.7	2.8
2615562	99	77	100	7.6	170	14.2	8.2	4.9
2615563	490	236	400	2.7	1040	48.3	27.0	22.8
2615564	161	95	200	2.6	440	20.0	9.5	6.2
2615565	317	176	200	4.3	320	23.5	10.6	8.5
2615566	243	66	300	6.1	530	31.6	14.3	11.4
2615567	351	172	300	6.2	510	19.6	10.0	8.7
2615568	144	40	<100	8.0	430	20.0	9.9	6.8
2615569	552	37	<100	1.5	640	78.7	32.5	22.3
2615570	373	53	<100	1.9	650	73.5	32.5	17.9
2615571	53	39	<100	6.5	290	7.0	4.0	2.0

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615572	181	56	300	5.8	440	17.3	8.0	5.9
2615573	234	53	<100	4.2	980	29.8	14.1	8.0
2615574	217	26	<100	7.5	740	27.2	13.8	9.7
2615575	258	52	200	11.0	730	18.7	9.4	6.3
*Rep 2615502	109	120	900	4.5	460	13.8	5.4	4.0
*Rep 2615515	75	129	300	24.9	360	7.9	3.9	2.6
*Rep 2615544	403	69	500	5.0	300	30.8	14.2	12.0
*Rep 2615556	93	89	<100	4.3	170	11.1	5.9	2.9
*Rep 2615567	333	185	300	6.8	560	18.1	9.9	7.6
*Std AMIS0169	816	101	100	7.0	3710	29.5	12.8	11.8
*Std MMISRM18	21	77	<100	4.4	1000	3.7	1.4	1.2
*Blk BLANK	<2	1	<100	<0.2	<10	<0.5	<0.2	<0.2
*Blk BLANK	3	<1	<100	<0.2	<10	<0.5	<0.2	<0.2
*Blk BLANK	2	<1	<100	<0.2	<10	<0.5	<0.2	<0.2
*Blk BLANK	2	<1	<100	<0.2	<10	<0.5	<0.2	<0.2

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
2615492	64	2.9	7.9	<1	0.1	7.2	31	4
2615493	15	0.9	32.5	<1	<0.1	8.3	114	<1
2615494	50	1.7	63.6	<1	<0.1	9.9	426	3
2615495	82	12.9	14.4	<1	0.1	6.4	43	9
2615496	118	8.8	10.8	<1	0.3	16.5	32	8
2615497	115	18.8	8.4	<1	0.1	9.4	30	9
2615498	190	25.2	5.3	<1	0.5	29.4	19	10
2615499	92	8.0	3.5	<1	0.1	7.7	11	2
2615500	3	<0.5	3.6	<1	<0.1	5.7	3	5
2615501	144	18.2	13.8	<1	0.3	11.8	55	10
2615502	147	13.7	16.2	1	0.2	4.3	55	14
2615503	13	11.0	25.7	1	<0.1	6.7	86	<1
2615504	65	18.3	9.5	2	0.2	9.2	29	2
2615505	44	6.3	8.7	<1	0.2	8.1	29	2
2615506	100	38.7	6.6	1	0.2	5.4	31	3
2615507	87	31.7	96.5	1	0.1	4.4	488	4
2615508	91	19.3	43.7	<1	0.2	1.9	193	1
2615509	114	11.3	103	<1	<0.1	3.8	612	5
2615510	115	13.4	131	<1	<0.1	3.8	742	7
2615511	42	4.1	11.3	<1	0.1	4.4	34	3
2615512	181	17.1	17.5	1	0.4	4.6	59	18
2615513	70	8.1	8.4	<1	0.1	4.1	22	4
2615514	169	19.2	8.7	1	0.5	8.3	37	5
2615515	93	13.6	8.3	2	0.3	10.4	36	5
2615516	194	54.7	7.7	<1	0.3	5.4	29	8
2615517	191	16.4	19.3	2	0.6	5.1	70	15
2615518	61	3.9	24.0	<1	0.1	2.5	61	6
2615519	110	33.9	92.5	<1	0.2	6.6	307	5
2615520	5	0.8	4.3	<1	<0.1	6.5	4	4
2615521	79	12.0	20.2	1	0.1	4.9	78	3
2615522	94	24.8	46.9	<1	0.1	6.3	225	7
2615523	76	13.6	32.6	1	0.3	11.0	108	1
2615524	177	20.3	18.9	<1	0.2	14.7	73	7
2615525	116	3.7	47.3	<1	<0.1	9.3	470	5
2615526	125	3.4	51.9	<1	0.2	3.7	226	4
2615527	264	17.9	159	<1	0.2	9.6	693	14
2615528	32	2.2	86.2	<1	<0.1	5.7	375	7
2615529	90	41.9	8.3	1	0.3	16.9	41	3
2615530	88	40.2	7.5	1	0.3	15.9	38	2
2615531	87	13.8	1.3	<1	0.6	21.7	3	3

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
2615532	124	25.0	86.6	<1	<0.1	7.7	424	2
2615533	146	24.5	9.4	<1	0.2	4.9	33	6
2615534	189	24.7	4.9	<1	0.1	7.9	21	2
2615535	62	11.6	18.7	<1	<0.1	5.8	86	4
2615536	98	28.0	16.8	<1	0.2	6.3	89	5
2615537	56	12.9	21.1	<1	0.1	9.0	75	5
2615538	77	12.5	10.8	<1	0.1	4.7	34	2
2615539	33	7.4	54.2	<1	<0.1	3.8	221	<1
2615540	4	<0.5	4.0	<1	<0.1	7.4	3	5
2615541	95	8.3	17.5	<1	<0.1	11.2	57	3
2615542	60	10.8	10.0	<1	<0.1	8.7	27	2
2615543	85	13.2	5.9	<1	0.2	9.5	19	3
2615544	64	10.3	35.2	<1	0.1	3.3	148	3
2615545	35	9.1	31.1	<1	<0.1	5.4	109	3
2615546	194	17.3	13.1	<1	0.2	9.4	45	7
2615547	326	18.4	21.2	2	0.7	7.6	53	15
2615548	90	16.3	17.8	<1	0.3	6.5	56	2
2615549	78	16.7	16.8	2	0.2	6.7	53	1
2615550	82	17.2	14.8	1	0.2	8.3	50	2
2615551	203	36.2	30.5	2	0.2	5.9	141	5
2615552	137	22.7	16.0	<1	0.2	6.2	94	8
2615553	78	11.5	9.7	<1	0.2	8.5	51	1
2615554	28	7.9	5.8	<1	0.1	4.5	16	<1
2615555	59	6.7	5.0	<1	0.2	4.8	16	1
2615556	36	4.1	10.6	<1	<0.1	9.2	39	2
2615557	25	7.3	13.5	<1	<0.1	5.0	54	2
2615558	97	18.1	44.8	1	0.2	7.1	196	10
2615559	149	36.8	10.3	1	0.3	8.9	46	14
2615560	4	<0.5	3.8	<1	<0.1	7.8	3	5
2615561	47	10.3	11.0	<1	0.1	4.6	32	7
2615562	34	17.9	15.1	1	<0.1	7.5	46	2
2615563	183	17.7	77.6	1	0.2	5.5	352	2
2615564	44	3.4	21.7	<1	0.1	6.5	58	3
2615565	45	3.8	29.6	1	<0.1	4.9	94	3
2615566	69	16.0	40.6	2	0.1	7.0	141	9
2615567	99	7.4	29.9	1	0.1	7.4	100	6
2615568	48	9.8	21.7	<1	0.2	6.8	102	2
2615569	55	21.7	86.3	<1	0.2	2.8	292	<1
2615570	55	23.2	71.8	<1	0.2	3.3	197	<1
2615571	47	6.3	6.3	<1	0.2	7.7	21	1

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
2615572	72	15.6	18.5	<1	0.2	9.0	89	<1
2615573	27	10.1	32.8	<1	0.1	5.2	93	<1
2615574	50	14.1	35.1	<1	<0.1	8.9	103	1
2615575	289	31.4	21.6	2	0.2	9.2	162	7
*Rep 2615502	180	11.6	12.8	<1	0.2	5.0	54	7
*Rep 2615515	117	15.2	7.4	2	0.3	8.1	36	4
*Rep 2615544	54	9.3	43.2	1	0.1	2.8	164	3
*Rep 2615556	37	3.9	10.3	<1	<0.1	8.7	36	2
*Rep 2615567	90	5.4	25.6	<1	<0.1	8.0	90	5
*Std AMIS0169	45	13.6	47.3	<1	<0.1	42.9	492	3
*Std MMISRM18	6	0.5	4.7	7	<0.1	31.3	6	<1
*Blk BLANK	1	<0.5	<0.5	<1	<0.1	<0.5	<1	<1
*Blk BLANK	1	0.5	0.6	<1	<0.1	0.7	<1	<1
*Blk BLANK	2	<0.5	<0.5	<1	<0.1	0.6	<1	<1
*Blk BLANK	2	0.8	<0.5	<1	<0.1	0.6	<1	<1

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
2615492	160	4800	<2	3.9	40	4110	1.5	173
2615493	200	600	<2	1.4	179	7010	0.2	48
2615494	295	17800	3	1.5	518	25800	0.3	43
2615495	43.7	1200	2	7.0	58	2630	2.4	158
2615496	39.6	3200	<2	6.8	50	2620	3.6	793
2615497	14.5	600	<2	5.9	34	2480	3.5	144
2615498	35.7	3400	2	7.1	21	1280	9.9	1080
2615499	5.0	300	3	1.6	14	884	6.5	117
2615500	18.0	500	<2	<0.5	13	18	0.2	123
2615501	33.2	5400	3	11.5	80	1640	6.6	328
2615502	12.6	600	2	5.6	65	1360	3.1	186
2615503	<0.5	1000	<2	1.9	113	121	1.6	185
2615504	0.9	3600	4	3.6	37	200	5.2	372
2615505	0.8	900	<2	<0.5	36	296	1.7	231
2615506	1.7	500	2	9.9	31	319	4.0	180
2615507	2.5	300	5	7.7	556	556	4.3	152
2615508	<0.5	<100	5	7.0	215	81	2.3	65
2615509	13.3	1100	2	6.1	653	829	2.2	70
2615510	12.7	1500	3	6.2	760	1010	2.9	85
2615511	5.2	1500	<2	0.8	47	1020	1.9	290
2615512	11.7	3100	<2	3.5	69	3240	4.5	814
2615513	1.3	800	<2	1.6	32	954	1.2	246
2615514	1.6	4000	3	6.6	43	666	4.6	344
2615515	2.0	2000	5	4.8	42	372	5.4	243
2615516	6.4	300	3	13.0	27	316	3.7	496
2615517	3.4	11700	5	7.0	79	1400	4.6	136
2615518	6.4	900	<2	1.1	88	1670	1.1	160
2615519	3.3	3000	3	9.6	429	295	4.3	631
2615520	20.2	600	<2	<0.5	15	21	0.3	121
2615521	1.1	6200	4	5.5	95	154	4.1	346
2615522	1.9	1400	5	8.0	278	162	3.5	452
2615523	1.1	1100	3	2.9	150	251	2.5	578
2615524	16.9	79700	10	7.9	94	543	3.6	161
2615525	44.7	5200	5	1.8	444	209	1.2	437
2615526	54.8	5900	33	1.0	283	1200	0.5	1790
2615527	6.0	21400	17	13.6	845	274	7.9	878
2615528	13.6	600	2	0.7	553	343	0.4	291
2615529	1.5	400	3	9.6	38	216	4.4	315
2615530	1.4	200	<2	6.2	31	173	4.1	262
2615531	28.6	400	<2	1.1	5	303	0.6	424

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
2615532	6.7	<100	4	9.2	491	165	1.1	92
2615533	2.1	<100	3	8.6	39	158	1.9	79
2615534	2.7	200	<2	5.6	24	172	2.6	58
2615535	32.2	4700	3	4.4	105	336	1.1	110
2615536	4.3	900	4	8.7	92	333	3.9	127
2615537	3.9	4200	3	3.8	85	719	2.9	120
2615538	1.3	500	<2	2.8	42	249	2.2	232
2615539	5.0	800	2	1.4	281	332	1.2	139
2615540	22.7	700	<2	<0.5	13	22	0.3	136
2615541	58.6	9800	3	2.5	73	1530	1.0	100
2615542	21.7	5700	<2	2.6	36	1200	1.4	226
2615543	2.1	600	<2	4.1	25	492	1.2	301
2615544	1.1	400	6	6.0	164	194	1.4	98
2615545	1.6	2600	3	3.5	137	709	2.0	86
2615546	14.3	3000	4	6.2	60	962	2.9	250
2615547	5.1	6400	7	9.9	88	2350	6.8	238
2615548	0.8	1300	2	4.9	81	455	1.9	284
2615549	0.6	1800	2	3.8	74	217	3.1	431
2615550	0.8	2100	3	4.0	68	226	3.3	511
2615551	1.5	2200	5	15.5	148	280	5.4	160
2615552	0.9	1600	<2	8.2	104	159	2.0	301
2615553	0.9	200	<2	3.1	52	164	1.5	269
2615554	<0.5	<100	<2	1.8	24	34	0.5	333
2615555	<0.5	<100	<2	1.2	18	138	1.7	190
2615556	0.9	700	<2	<0.5	45	425	0.6	139
2615557	<0.5	1100	<2	<0.5	60	232	1.1	262
2615558	4.0	9000	3	6.8	229	656	4.5	167
2615559	2.8	1500	<2	9.3	45	524	5.0	296
2615560	21.8	700	<2	<0.5	11	18	0.3	134
2615561	2.4	2400	<2	2.4	42	809	2.6	192
2615562	0.6	3100	<2	6.0	64	331	2.0	266
2615563	2.6	7900	8	7.1	501	394	2.0	133
2615564	0.8	400	<2	0.7	87	1060	0.8	228
2615565	3.3	2300	2	1.4	119	716	1.8	76
2615566	3.8	2900	3	5.0	179	698	4.4	126
2615567	16.1	4300	4	2.9	138	647	2.5	88
2615568	0.6	200	<2	2.3	107	123	3.1	294
2615569	<0.5	200	<2	4.0	446	159	5.3	194
2615570	0.5	300	<2	3.1	321	173	4.1	221
2615571	<0.5	500	<2	1.4	28	135	2.1	184

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
2615572	0.7	700	3	6.6	111	134	5.1	230
2615573	<0.5	2400	2	1.6	141	218	3.1	124
2615574	<0.5	500	3	1.7	182	90	0.6	150
2615575	2.1	500	5	8.6	125	315	7.4	50
*Rep 2615502	11.6	600	2	4.8	61	1220	2.8	168
*Rep 2615515	1.9	1600	5	6.1	39	337	5.2	258
*Rep 2615544	1.2	600	5	7.5	188	198	1.4	95
*Rep 2615556	0.9	900	<2	<0.5	45	362	0.6	140
*Rep 2615567	16.5	3900	4	3.2	132	563	2.0	81
*Std AMIS0169	33.7	4400	3	3.8	383	472	3.0	118
*Std MMISRM18	118	1000	26	<0.5	17	484	0.6	287
*Blk BLANK	<0.5	<100	<2	<0.5	<1	<5	<0.1	<5
*Blk BLANK	<0.5	<100	<2	<0.5	<1	<5	0.1	<5
*Blk BLANK	<0.5	<100	<2	<0.5	<1	<5	0.2	<5
*Blk BLANK	<0.5	<100	<2	<0.5	1	<5	0.2	<5

Final : VC151546 Order: KSK-15-13_01/2615492-2615575

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615492	<1	10.2	<0.1	90	<0.5	21	8	<1
2615493	<1	40.8	<0.1	68	<0.5	20	36	<1
2615494	<1	122	<0.1	58	<0.5	48	77	<1
2615495	<1	14.9	<0.1	68	0.6	34	15	<1
2615496	<1	10.0	<0.1	52	0.8	46	11	<1
2615497	<1	9.0	<0.1	65	<0.5	34	8	<1
2615498	<1	5.0	<0.1	40	0.6	41	4	1
2615499	<1	3.0	<0.1	43	0.7	24	3	<1
2615500	<1	2.2	<0.1	11	<0.5	<5	4	<1
2615501	<1	15.3	<0.1	84	1.0	60	16	<1
2615502	<1	18.4	<0.1	54	0.7	37	16	<1
2615503	<1	32.3	<0.1	88	<0.5	32	26	<1
2615504	<1	10.1	<0.1	158	1.0	33	10	<1
2615505	<1	10.2	<0.1	83	<0.5	24	8	<1
2615506	<1	7.4	<0.1	116	0.8	29	7	<1
2615507	<1	144	<0.1	64	0.8	66	111	<1
2615508	<1	54.9	<0.1	62	<0.5	80	53	<1
2615509	<1	180	<0.1	60	1.3	88	119	<1
2615510	<1	213	<0.1	77	1.3	90	150	<1
2615511	<1	11.1	<0.1	96	<0.5	27	10	<1
2615512	<1	19.6	<0.1	67	1.8	49	18	<1
2615513	<1	7.7	<0.1	69	<0.5	25	8	<1
2615514	<1	10.4	<0.1	89	1.9	63	9	<1
2615515	<1	10.5	<0.1	85	0.9	39	10	<1
2615516	<1	8.5	<0.1	57	0.8	29	7	<1
2615517	<1	22.1	<0.1	62	4.6	98	20	<1
2615518	<1	23.1	<0.1	61	2.2	42	24	<1
2615519	<1	105	<0.1	100	0.9	56	99	<1
2615520	<1	2.9	<0.1	10	<0.5	<5	4	<1
2615521	<1	24.7	<0.1	90	0.9	47	23	<1
2615522	<1	67.3	<0.1	68	<0.5	81	57	<1
2615523	<1	38.6	<0.1	74	0.5	49	35	<1
2615524	<1	22.8	<0.1	96	0.6	61	20	<1
2615525	<1	117	<0.1	25	1.2	40	62	<1
2615526	<1	79.7	<0.1	40	2.0	52	57	<1
2615527	1	235	<0.1	64	1.2	243	187	1
2615528	<1	124	<0.1	49	<0.5	58	104	<1
2615529	<1	10.0	<0.1	110	0.5	35	9	<1
2615530	<1	8.5	<0.1	96	0.6	25	6	<1
2615531	<1	1.1	<0.1	116	<0.5	30	1	<1

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615532	<1	115	<0.1	80	0.5	89	97	<1
2615533	<1	9.9	<0.1	48	<0.5	34	9	<1
2615534	<1	5.8	<0.1	42	0.6	25	5	<1
2615535	<1	26.3	<0.1	97	<0.5	24	22	<1
2615536	<1	24.0	<0.1	87	1.0	47	19	2
2615537	<1	23.9	<0.1	133	0.7	38	21	<1
2615538	<1	11.1	<0.1	74	<0.5	29	10	<1
2615539	<1	76.5	<0.1	43	<0.5	37	60	<1
2615540	<1	2.5	<0.1	11	<0.5	<5	4	<1
2615541	<1	18.3	<0.1	83	1.3	51	17	<1
2615542	<1	9.1	<0.1	89	0.7	39	10	<1
2615543	<1	6.1	<0.1	64	0.5	33	5	<1
2615544	<1	41.9	<0.1	67	1.3	93	38	<1
2615545	<1	36.5	<0.1	104	0.5	75	34	<1
2615546	<1	14.6	<0.1	73	0.7	45	13	<1
2615547	<1	20.0	<0.1	85	30.2	79	23	2
2615548	<1	18.7	<0.1	50	0.9	81	18	<1
2615549	<1	19.7	<0.1	76	0.8	38	18	<1
2615550	<1	17.2	<0.1	79	0.8	42	17	<1
2615551	<1	43.1	<0.1	102	0.7	75	33	1
2615552	<1	28.1	<0.1	59	0.8	62	20	<1
2615553	<1	14.6	<0.1	105	<0.5	25	10	<1
2615554	<1	6.0	<0.1	50	<0.5	29	5	<1
2615555	<1	4.7	<0.1	55	<0.5	18	5	<1
2615556	<1	12.0	<0.1	95	0.5	37	10	<1
2615557	<1	16.7	<0.1	39	<0.5	41	13	<1
2615558	<1	53.7	<0.1	100	2.5	201	49	<1
2615559	<1	12.3	<0.1	103	1.2	47	10	1
2615560	<1	2.1	<0.1	11	<0.5	<5	3	<1
2615561	<1	10.7	<0.1	55	0.5	41	10	<1
2615562	<1	14.8	<0.1	84	1.0	50	15	<1
2615563	<1	117	<0.1	36	2.8	107	98	<1
2615564	<1	21.5	<0.1	45	0.9	53	21	<1
2615565	<1	31.1	<0.1	77	1.8	61	30	<1
2615566	<1	43.2	<0.1	70	1.8	77	42	<1
2615567	<1	35.4	<0.1	94	5.2	67	32	<1
2615568	<1	30.1	<0.1	69	<0.5	40	22	<1
2615569	<1	110	<0.1	23	<0.5	87	93	<1
2615570	<1	81.1	<0.1	27	<0.5	92	70	<1
2615571	<1	7.0	<0.1	86	<0.5	33	6	<1

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615572	<1	25.7	<0.1	44	0.9	53	22	<1
2615573	<1	35.0	<0.1	43	0.8	55	31	<1
2615574	<1	42.6	<0.1	75	0.9	49	40	<1
2615575	<1	36.4	<0.1	86	1.2	45	26	1
*Rep 2615502	<1	16.7	<0.1	47	0.7	38	14	<1
*Rep 2615515	<1	9.7	<0.1	71	1.2	40	8	<1
*Rep 2615544	<1	50.2	<0.1	70	1.5	81	47	<1
*Rep 2615556	<1	11.5	<0.1	94	<0.5	34	10	<1
*Rep 2615567	<1	29.6	<0.1	91	4.5	70	29	<1
*Std AMIS0169	<1	116	0.1	256	1.1	59	65	<1
*Std MMISRM18	15	3.0	6.2	116	<0.5	<5	5	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	<5	<1	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	<5	<1	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	<5	<1	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	<5	<1	<1

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615492	140	1	1.1	20	7.4	790	0.1	5.8
2615493	270	<1	3.9	10	10.6	320	<0.1	12.5
2615494	280	<1	7.6	20	12.5	270	0.3	9.8
2615495	130	1	1.9	<10	9.9	3300	0.3	5.4
2615496	200	<1	1.9	10	8.6	2590	0.2	4.4
2615497	220	<1	1.6	<10	8.1	2330	0.3	5.2
2615498	270	<1	0.9	10	8.0	2060	0.3	3.7
2615499	20	<1	0.6	<10	4.0	500	0.2	3.6
2615500	220	<1	0.4	<10	4.0	30	0.1	1.4
2615501	210	<1	2.4	<10	11.6	3950	0.4	7.7
2615502	50	<1	2.1	<10	12.3	2030	0.5	5.7
2615503	<10	<1	3.2	<10	13.5	410	0.4	6.3
2615504	<10	<1	1.4	<10	15.6	1270	0.8	7.3
2615505	20	<1	1.4	<10	5.4	210	0.3	4.5
2615506	90	<1	1.1	<10	7.3	3130	0.5	3.5
2615507	70	<1	12.5	<10	33.2	2470	0.8	23.6
2615508	<10	<1	6.0	<10	46.0	2770	0.2	15.0
2615509	330	<1	11.0	<10	45.6	1560	0.4	22.6
2615510	300	<1	12.9	<10	53.1	1990	0.3	24.9
2615511	240	<1	1.7	<10	16.6	310	0.2	5.8
2615512	130	<1	2.3	<10	17.1	1580	0.3	5.2
2615513	90	<1	1.4	<10	4.9	480	0.1	3.1
2615514	40	<1	1.4	<10	20.2	2660	0.3	6.1
2615515	70	<1	1.1	<10	16.0	1710	0.5	7.2
2615516	260	<1	1.1	<10	11.8	4750	0.3	4.7
2615517	40	<1	2.6	<10	50.0	3550	0.3	11.0
2615518	280	<1	3.0	<10	12.0	370	0.2	3.5
2615519	150	<1	10.9	<10	18.9	4250	0.7	11.2
2615520	230	<1	0.5	<10	1.8	80	<0.1	1.5
2615521	30	<1	2.9	<10	38.6	1900	0.7	11.0
2615522	<10	<1	6.9	<10	25.2	2910	0.5	17.7
2615523	<10	<1	4.9	<10	18.4	1290	0.5	8.8
2615524	220	<1	3.0	<10	22.2	2750	0.7	13.6
2615525	310	<1	5.5	<10	26.9	340	0.3	41.6
2615526	300	<1	5.7	<10	12.4	190	0.5	121
2615527	30	<1	19.6	<10	176	4780	0.8	82.2
2615528	160	<1	9.7	<10	14.7	350	0.3	17.0
2615529	70	<1	1.2	<10	8.2	2760	0.2	4.3
2615530	50	<1	1.1	<10	7.5	2430	0.3	3.5
2615531	810	<1	0.3	<10	5.1	470	0.3	2.3

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615532	310	<1	10.2	<10	18.6	4070	0.4	14.3
2615533	70	<1	1.4	<10	6.9	3730	0.3	4.5
2615534	70	<1	0.9	<10	7.4	1850	0.3	3.1
2615535	440	<1	2.3	<10	12.0	1750	0.2	9.0
2615536	130	<1	2.5	<10	22.8	2810	0.4	9.9
2615537	80	<1	2.6	<10	20.7	1670	0.6	8.8
2615538	80	<1	1.6	<10	8.3	790	0.1	5.2
2615539	20	<1	6.7	<10	13.1	460	0.3	10.6
2615540	230	<1	0.5	<10	1.3	30	<0.1	1.5
2615541	390	<1	2.1	<10	6.0	1060	0.2	6.1
2615542	170	<1	1.3	<10	11.0	1210	0.3	4.0
2615543	40	<1	1.0	<10	9.0	1460	0.2	4.6
2615544	10	<1	4.8	<10	30.4	3060	0.3	11.5
2615545	30	<1	3.8	<10	36.4	1360	0.3	10.7
2615546	350	<1	2.3	<10	13.8	1870	0.2	5.7
2615547	140	<1	2.5	<10	30.6	5220	0.4	8.4
2615548	10	<1	2.7	<10	19.1	1730	0.3	10.7
2615549	<10	<1	2.6	<10	15.8	1200	0.8	7.6
2615550	<10	<1	2.7	<10	13.4	1470	0.6	7.6
2615551	<10	1	4.1	<10	41.5	7020	0.4	15.6
2615552	<10	<1	2.2	<10	28.9	2500	0.3	8.1
2615553	30	<1	1.5	<10	9.7	910	0.2	3.8
2615554	<10	<1	0.9	<10	3.6	120	0.3	3.0
2615555	<10	<1	0.8	<10	5.9	350	0.4	2.6
2615556	50	<1	1.5	<10	7.2	160	0.2	4.0
2615557	<10	<1	1.9	<10	5.2	270	0.2	3.4
2615558	40	<1	6.2	<10	21.3	2650	0.3	12.1
2615559	80	<1	1.5	<10	10.8	3570	0.4	5.7
2615560	240	<1	0.5	<10	1.0	40	<0.1	1.3
2615561	30	<1	1.6	<10	5.8	1060	0.2	4.6
2615562	<10	2	2.2	<10	8.4	900	0.3	6.0
2615563	60	<1	8.9	<10	22.9	2630	0.3	15.8
2615564	20	<1	3.0	<10	14.5	250	0.3	3.9
2615565	110	<1	3.9	<10	25.3	620	0.5	8.0
2615566	90	<1	5.3	<10	22.2	1830	0.7	9.0
2615567	220	<1	3.4	<10	22.3	1120	0.3	8.8
2615568	<10	<1	2.9	<10	14.0	630	0.2	4.4
2615569	<10	<1	12.6	<10	29.6	720	0.1	28.4
2615570	<10	<1	10.7	<10	23.4	650	<0.1	26.1
2615571	<10	<1	1.0	<10	7.9	340	0.4	4.3

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615572	<10	<1	3.0	<10	32.4	1370	0.6	10.5
2615573	<10	<1	4.7	<10	16.0	700	0.3	9.6
2615574	<10	<1	4.6	<10	11.1	710	0.4	9.1
2615575	30	<1	3.2	<10	21.4	4030	0.7	16.8
*Rep 2615502	50	<1	2.1	<10	12.2	1500	0.6	5.6
*Rep 2615515	80	<1	1.1	<10	19.0	1670	0.6	7.5
*Rep 2615544	10	4	5.5	<10	32.4	3280	0.3	12.0
*Rep 2615556	50	<1	1.5	<10	6.7	190	0.3	3.9
*Rep 2615567	230	<1	3.4	<10	18.1	1030	0.3	8.8
*Std AMIS0169	70	<1	5.5	<10	77.6	710	1.1	24.0
*Std MMISRM18	1550	<1	0.7	<10	14.8	10	0.1	25.2
*Blk BLANK	<10	1	<0.1	<10	<0.5	<10	<0.1	<0.5
*Blk BLANK	<10	<1	<0.1	<10	<0.5	<10	<0.1	<0.5
*Blk BLANK	<10	<1	<0.1	<10	<0.5	<10	<0.1	<0.5
*Blk BLANK	<10	<1	<0.1	<10	<0.5	<10	<0.1	<0.5

Report File No.: 0000012076

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
2615492	0.8	26	2.2	850	25
2615493	<0.5	110	6.6	40	15
2615494	<0.5	264	18.1	250	17
2615495	1.0	46	5.1	100	50
2615496	<0.5	66	4.6	360	36
2615497	0.7	49	5.3	850	40
2615498	0.7	31	3.3	2720	41
2615499	<0.5	27	2.9	1150	21
2615500	<0.5	13	1.0	470	6
2615501	0.5	79	4.7	1670	52
2615502	1.1	52	5.2	270	58
2615503	<0.5	63	7.8	310	27
2615504	0.7	35	4.0	1280	42
2615505	<0.5	49	5.9	280	11
2615506	<0.5	36	3.3	440	31
2615507	1.2	275	21.8	80	49
2615508	1.0	123	9.9	20	100
2615509	1.4	337	25.7	70	75
2615510	1.8	432	30.6	80	87
2615511	<0.5	42	4.2	670	27
2615512	0.8	46	6.8	200	37
2615513	<0.5	47	4.9	140	13
2615514	0.5	40	4.6	590	58
2615515	0.6	33	3.2	490	51
2615516	1.2	34	6.3	100	35
2615517	1.6	53	7.6	1140	113
2615518	<0.5	74	7.7	50	25
2615519	0.8	291	23.3	310	48
2615520	<0.5	15	1.1	490	5
2615521	1.2	66	5.7	270	77
2615522	1.1	163	12.9	200	58
2615523	0.6	164	14.6	330	34
2615524	1.0	98	11.0	670	36
2615525	1.6	161	13.9	330	62
2615526	0.9	167	17.1	570	36
2615527	5.0	603	54.1	1520	313
2615528	<0.5	276	16.2	80	21
2615529	0.5	40	4.1	300	29
2615530	0.6	30	4.0	210	27
2615531	<0.5	14	7.9	190	12

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
2615532	1.2	363	20.4	30	39
2615533	0.7	38	4.4	40	34
2615534	0.5	25	3.4	240	25
2615535	1.1	68	4.6	190	27
2615536	1.7	59	4.4	240	48
2615537	0.9	62	7.8	160	41
2615538	<0.5	41	4.6	140	25
2615539	<0.5	171	12.8	20	26
2615540	<0.5	15	1.4	540	6
2615541	0.5	70	6.1	290	14
2615542	<0.5	35	3.5	120	26
2615543	<0.5	38	4.3	70	25
2615544	1.2	105	10.1	20	77
2615545	1.1	86	8.7	30	65
2615546	0.6	59	6.4	170	31
2615547	1.7	54	5.2	1480	126
2615548	1.4	81	8.6	150	49
2615549	<0.5	71	8.6	310	32
2615550	<0.5	80	8.3	410	31
2615551	2.8	91	10.1	230	99
2615552	<0.5	61	6.6	640	57
2615553	<0.5	42	4.1	410	23
2615554	<0.5	28	3.9	130	13
2615555	<0.5	18	2.9	110	17
2615556	<0.5	51	4.8	540	17
2615557	<0.5	60	7.3	250	17
2615558	<0.5	185	15.6	320	61
2615559	0.6	39	4.7	770	47
2615560	<0.5	15	1.1	550	6
2615561	<0.5	61	7.0	180	22
2615562	<0.5	73	7.2	280	31
2615563	1.0	253	19.6	80	53
2615564	<0.5	72	8.2	40	28
2615565	<0.5	91	9.2	60	47
2615566	0.9	135	10.8	550	45
2615567	0.9	86	9.7	410	58
2615568	<0.5	82	8.0	80	34
2615569	<0.5	318	19.8	50	36
2615570	<0.5	306	21.6	110	29
2615571	<0.5	34	3.5	440	19

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
2615572	0.6	74	5.7	160	63
2615573	<0.5	133	10.3	470	31
2615574	<0.5	126	11.3	190	23
2615575	1.4	67	7.0	120	43
*Rep 2615502	0.8	44	5.0	230	49
*Rep 2615515	0.7	30	3.8	460	57
*Rep 2615544	1.7	108	11.3	30	82
*Rep 2615556	<0.5	49	4.9	530	15
*Rep 2615567	0.6	90	8.1	410	50
*Std AMIS0169	1.6	117	10.6	210	57
*Std MMISRM18	<0.5	17	0.8	620	23
*Blk BLANK	<0.5	<1	<0.2	<10	<2
*Blk BLANK	<0.5	2	<0.2	<10	<2
*Blk BLANK	<0.5	<1	<0.2	<10	<2
*Blk BLANK	<0.5	<1	<0.2	<10	<2

Certificate of Analysis
Work Order : VC151547
[Report File No.: 0000012035]

Date: July 30, 2015

To: **RON VOORDOUW**
EQUITY EXPLORATION CONSULTANTS LTD
200-900 WEST HASTINGS ST
VANCOUVER BC V6C 1E5

P.O. No.: KSK-15-13_01/2615576-2615584
Project No.: -
Samples: 9
Received: Jul 9, 2015
Pages: Page 1 to 8
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
9	G_LOG02	Pre-preparation processing, sorting, logging, boxing
9	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Storage: Pulp & Reject

REJECT STORAGE : STORE FOR 30 DAYS

Certified By : ______________________
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

Final : VC151547 Order: KSK-15-13_01/2615576-2615584

Report File No.: 0000012035

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
2615576	7.9	239	<10	<0.1	300	<0.5	19	12
2615577	3.8	259	10	<0.1	610	<0.5	10	13
2615578	6.8	167	<10	<0.1	670	0.5	33	9
2615579	3.7	226	40	<0.1	540	3.2	3	11
2615580	0.6	<1	<10	0.1	700	<0.5	82	1
2615581	4.5	237	<10	<0.1	330	<0.5	<2	8
2615582	0.7	285	<10	<0.1	700	0.7	51	5
2615583	8.6	202	<10	<0.1	150	<0.5	4	9
2615584	0.7	220	<10	0.1	470	<0.5	5	4
*Rep 2615576	7.1	245	<10	<0.1	290	<0.5	15	14
*Std AMIS0169	9.4	58	<10	0.6	910	<0.5	31	2
*Blk BLANK	<0.5	<1	<10	<0.1	<10	<0.5	<2	<1

Final : VC151547 Order: KSK-15-13_01/2615576-2615584

Report File No.: 0000012035

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615576	155	46	<100	4.2	210	16.4	7.7	5.7
2615577	114	86	100	7.7	210	9.8	3.8	3.4
2615578	118	68	<100	6.6	110	13.6	6.0	5.2
2615579	51	103	600	4.8	680	5.3	3.0	1.3
2615580	7	4	<100	0.3	290	2.7	1.2	0.8
2615581	131	65	<100	5.5	450	19.0	9.1	5.0
2615582	24	236	<100	5.1	60	3.1	2.2	0.5
2615583	208	79	<100	5.6	80	20.9	10.6	7.6
2615584	236	26	100	4.2	220	19.5	9.4	8.1
*Rep 2615576	141	49	<100	4.5	210	16.5	7.5	5.3
*Std AMIS0169	704	94	<100	6.6	3710	25.7	11.9	10.4
*Blk BLANK	<2	<1	<100	<0.2	<10	<0.5	<0.2	<0.2

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
2615576	37	11.7	19.7	<1	0.1	7.5	72	2
2615577	29	8.9	11.0	2	0.2	5.3	44	1
2615578	38	9.1	14.1	1	<0.1	11.5	50	<1
2615579	311	43.8	4.3	1	0.6	13.1	23	5
2615580	<1	<0.5	3.6	<1	<0.1	6.0	3	3
2615581	83	14.5	15.6	<1	0.2	6.0	69	3
2615582	113	21.4	1.8	<1	0.2	33.9	11	7
2615583	15	8.9	23.7	<1	<0.1	4.4	75	<1
2615584	27	11.3	25.0	<1	<0.1	2.7	118	1
*Rep 2615576	32	10.7	17.9	<1	<0.1	8.2	66	1
*Std AMIS0169	39	11.5	40.0	<1	<0.1	45.5	400	1
*Blk BLANK	1	<0.5	<0.5	<1	<0.1	<0.5	<1	<1

Final : VC151547 Order: KSK-15-13_01/2615576-2615584

Report File No.: 0000012035

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
2615576	1.0	2100	3	2.1	94	401	2.6	157
2615577	<0.5	2800	4	2.1	54	166	4.2	144
2615578	1.5	2700	2	2.0	71	176	2.2	233
2615579	2.9	4700	10	22.4	23	196	9.2	275
2615580	17.1	600	<2	<0.5	12	12	0.1	131
2615581	1.3	400	4	4.9	93	161	2.1	250
2615582	27.2	2900	2	6.6	9	249	3.1	35
2615583	<0.5	1800	3	0.6	115	119	1.5	140
2615584	<0.5	100	3	1.3	154	124	1.1	140
*Rep 2615576	1.1	2300	3	2.8	87	419	2.4	188
*Std AMIS0169	30.4	3900	4	1.8	350	415	2.4	109
*Blk BLANK	<0.5	<100	<2	0.7	<1	<5	<0.1	<5

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615576	<1	21.5	<0.1	88	<0.5	39	20	<1
2615577	<1	12.5	<0.1	97	0.7	36	12	<1
2615578	<1	15.5	<0.1	122	<0.5	32	15	<1
2615579	<1	5.0	<0.1	60	0.5	28	5	3
2615580	<1	2.1	<0.1	10	<0.5	<5	3	<1
2615581	<1	20.5	<0.1	60	<0.5	32	17	<1
2615582	<1	2.3	<0.1	262	<0.5	22	2	<1
2615583	<1	25.2	<0.1	54	<0.5	36	24	<1
2615584	<1	35.2	<0.1	45	<0.5	35	31	<1
*Rep 2615576	<1	19.5	<0.1	89	<0.5	36	18	<1
*Std AMIS0169	<1	91.2	<0.1	244	0.5	47	55	<1
*Blk BLANK	<1	<0.5	<0.1	<1	<0.5	<5	<1	<1

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2615576	20	<1	2.8	<10	12.5	810	0.3	9.2
2615577	<10	<1	1.7	<10	20.6	960	0.6	8.9
2615578	60	<1	2.3	<10	12.4	850	0.5	5.8
2615579	40	<1	0.9	<10	27.1	5290	0.5	8.4
2615580	220	<1	0.5	<10	<0.5	20	<0.1	1.6
2615581	<10	<1	2.9	<10	16.5	1460	0.5	9.6
2615582	660	<1	0.4	<10	7.7	1640	0.5	2.4
2615583	<10	<1	3.5	<10	10.0	400	0.4	5.3
2615584	<10	<1	3.5	<10	14.6	620	0.2	6.6
*Rep 2615576	20	<1	2.7	<10	11.0	640	0.4	8.9
*Std AMIS0169	70	<1	5.1	<10	63.5	520	1.0	23.7
*Blk BLANK	<10	<1	<0.1	<10	<0.5	<10	<0.1	<0.5

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
2615576	<0.5	71	5.7	460	29
2615577	<0.5	33	3.2	890	52
2615578	<0.5	53	5.0	470	30
2615579	1.6	23	2.0	480	61
2615580	<0.5	14	0.9	530	6
2615581	<0.5	84	6.4	130	31
2615582	<0.5	14	3.1	310	33
2615583	<0.5	100	8.0	60	25
2615584	<0.5	87	7.0	10	33
*Rep 2615576	<0.5	77	5.6	500	35
*Std AMIS0169	0.7	107	9.0	200	46
*Blk BLANK	<0.5	<1	<0.2	<10	2

Appendix F: Daily Prospecting Logs and Rock Sample Descriptions

MINERALS AND ALTERATION TYPES

Ank	Ankerite	Ep	Epidote	Py	Pyrite
Cal	Calcite	Hem	Hematite	Qtz	Quartz
Cb	Carbonate	Mag	Magnetite	Ser	Sericite
Chl	Chlorite	Mgs	Magnesite	Sil	Silica
Ctl	Chrysotile				

Geological prospecting log - June 25th

First day of field work on the Midlothian Property. First part of the day spent collecting MMI samples together with other three members of the sampling team. At one of the soil sampling sites, found a low rounded outcrop of meta-andesite with a quartz-carbonate vein network trending 178/76W. Took sample (2615751).

After leaving the group, returned to the truck and followed line to the south to map the limit of the disturbed ground. Then walked along the road to the open pit. Found an outcrop of ultramafic with meta-andesite xenoliths in an area mapped by OGS as "meta-andesite".

Found Bjorkman Zone (actually a vein; here abbreviated "BV") and determined orientation of ~165/65E. Difficult to measure because rocks are magnetic. Visually projected the vein across the pit onto some "whitish" (i.e. veined?) rocks, which turned out to be weathered ultramafic (magnesite alteration?). Continued to walk around the pit and found chrysotile-rich shear zone ("CZ") trending ~180/65 E (also difficult to measure because of magnetic) and ~50-100 cm wide. Took sample 2615752. Could be that BV and CZ form part of same structure?

Walked around back of the BV and took an ultramafic + quartz vein sample in a pile of waste rock (2615753), then went into the forest to see if I could track this BV-CZ structure along the southern shoreline of the "far-north arm" of Lloyd Lake. Found two spots where there was some quartz + calcite veining, and took one sample (2615754). If there is a common structure for BC and CZ, it is narrow and only locally swells out to produce quartz ± calcite and/or chrysotile-rich zones. Intermittent ultramafic rocks are relatively undeformed and unaltered.

Walked along the northern shoreline of Lloyd Lake "proper" to track BV-CZ structure to the southeast. All outcrops are covered by disturbed ground but sampled a very hard fuchsite-quartz-epidote flooded boulder (2615755).

Table F-1: Geological waypoints taken on June 25th.

Description	Easting	Northing	Date	Structure	Strike	Dip
Ultramafic contact	500128	5303445	06/25/2015			
Chrysotile shear zone	499778	5303188	06/25/2015	Chrysotile zone	180? 165?	65E
Quartz + carbonate veins	499572	5303340	06/25/2015	Veins	?	90
Leucogabbro dyke	499918	5303262	06/25/2015			

Geological prospecting log - June 26th

This day comprised an east-west traverse across the Timiskaming conglomerate. Started the day by walking northward on a road then jumping into the bush just before the northern edge of the Property. From here, the ground is relatively rocky to line 0+00W, after which it is generally more swampy and overgrown until line 8+00E. From there, the land slopes upwards and is generally drier although there are surprisingly few outcrops.

Rock types towards the western end of this traverse line consist of pebble conglomerate whereas at the eastern end the lithology is mostly quartzite. This suggests a northward curving contact between quartzite and an underlying conglomerate unit. Need to check the OGS map to see if they describe something similar.

The Proterozoic dykes form prominent north-south trending ridges. Found a couple of other narrow (<5 m wide) ridges that yielded diabase rocks, suggesting the presence of a few smaller dykes in between the larger ones.

No notable mineralization, alteration or structures were found.

Table F-2: Geological waypoints taken on June 26th.

ID	Easting	Northing	Date	Structure	Strike	Dip
Matachewan dyke?	501643	5304153	06/26/2015	Dyke	360	90
Conglomerate	502119	5304251	06/26/2015	Bedding	115	90
Quartzite	502611	5304096	06/26/2015			
Pebble quartzite	502774	5303961	06/26/2015			
Quartzite	502783	5303915	06/26/2015			
Conglomerate	502807	5303888	06/26/2015			

Geological prospecting log - June 27th

Started day walking north on Stairs Mine Road to northern part of the Property, in order to start a north-south traverse across the Timiskaming conglomerate in addition to a thin slither of meta-andesite and then Gowganda sedimentary rocks. From the northern boundary of the Property to the Asbestos Mine Road, landscape is hummocky and, in places, anthropologically modified. This area appears to have been used for a fairly sizable gravel pit?

This northern area is notable for an abundance of erratic boulders, some of which are up to 3 m high. The gravel pit area is particularly good for seeing the diversity and shape of cobbles and boulders in this area. Outcrops are scarce but two samples (2615765, 2615766) were taken in order to evaluate any changes in chemistry from north to south.

South of the road, there is a fairly steady downhill to a swampy area connecting two lakes. The downhill slope hosts a fair number of outcrops that comprise pebble to cobble conglomerate (samples 2615767-5769) higher up giving way to dark grey conglomeratic quartzite and quartzite near the base. At the very base of the hill, and just before the swamp, is an outcrop of moderately dipping dark grey quartzite (2615771) that appears to immediately overlie a pebble conglomerate unit (2615772). Perhaps this is the contact between Gowganda and Timiskaming units? If it is, this contact lies ~300-400 further north than where it is mapped by the OGS.

On the other side of the swamp is a small angular subcrop consisting of dark grey quartzite cut by 0.5-10 cm wide quartz-ankerite veins. Unfortunately, there are no sulphides in either the vein or the host rock.

Table F-3: Geological waypoints taken on June 27th.

ID	Easting	Northing	Date	Structure	Strike	Dip
Gravel pit	503162	5304263	06/27/2015			
Conglomerate	503161	5304392	06/27/2015	Bedding	87	90?
Pebble quartzite	503109	5304474	06/27/2015			
Diabase	503049	5304373	06/27/2015			
Gravel pit	503011	5304278	06/27/2015	Gravel pile	195-215	
Pebble quartzite	503009	5304265	06/27/2015	Bedding	100	?
Waste rock?	502874	5304234	06/27/2015			
Conglomerate	503106	5303664	06/27/2015	Bedding	200	25E
Quartzite	503098	5303578	06/27/2015			
Quartzite	503096	5303558	06/27/2015	Bedding	140	25SW
Quartz vein	502935	5303296	06/27/2015	Vein	200	55W
Quartzite	502970	5303240	06/27/2015			
No outcrop	503041	5302923	06/27/2015			
Quartzite	502835	5303381	06/27/2015			
Quartzite	502838	5303475	06/27/2015			
Pebble quartzite	502808	5303553	06/27/2015			

Geological prospecting log - June 28th

Started the day at the western end of the Property, walking over a meta-andesitic unit bound by the western arm of Lloyd Lake. Rock types are generally light to medium greenish-grey, massive, meta-anesite, typically with scattered quartz-carbonate veins and/or sweats. A subcrop of “tuffaceous” textured rock – comprising rounded meta-andesitic inclusions within an aphanitic groundmass – was found as well as a volcaniclastic unit, comprising fissile, strongly chlorite-altered, meta-andesite with rounded clasts ranging up to 5 cm in diameter. The volcaniclastic ranges from clast- to matrix-supported.

An impressive outcrop of diabase (?) was found as well, but is massive and unmineralized. Gabbro was found adjacent to somewhat slightly more quartz-carbonate altered mafic volcanic.

After emerging on the road, I walked north around Lloyd Lake and back along the western shoreline in order to examine an area of historic sampling that returned weakly anomalous gold from the contact between meta-andesitic and felsic volcanic units. In walking around Lloyd Lake, found an flat road bed outcrop of strongly sheared ultramafic volcanic. The felsic-andesite contact zone lies in a thickly overgrown cut block and is difficult to traverse. Several outcrops were found, however, with all consisting of relatively intensely quartz-carbonate altered mafic volcanic.

No significant mineralization or alteration was found.

Table F-4: Geological waypoints taken on June 28th.

ID	Easting	Northing	Date	Structure	Strike	Dip
Meta-andesite	498553	5303317	06/28/2015			
Meta-andesite	498511	5303325	06/28/2015			
No outcrop	498400	5303370	06/28/2015			
Meta-andesite	498536	5303509	06/28/2015			
Ultramafic	498835	5302921	06/28/2015	Foliation	70	80S
Gabbro	498613	5303826	06/28/2015			
Trench	498710	5303037	06/28/2015			
Gravel pit	498650	5303921	06/28/2015			
Shear zone	498571	5304178	06/28/2015	Foliation	86	?
Gravel pit	497874	5304034	06/28/2015			
Lake edge	497744	5304042	06/28/2015			

Table F-5: Sample Descriptions

Sample ID	UTM Easting	UTM Northing	Date	Sample Type	Stucture	Strike	Dip	Rock Type	Alteration		Metallics		Secondaries		Comments	Sampler
									Type	*Intensity*	*Type*	*%*	*Type*	*Intensity*		
2615751	500395	5303655	25-Jun-15	Grab	Vein	178°	76°N	Mafic volcanic	Silica	Weak	Py	0.1			Localized qtz-cal breccia vein stockwork; also sheared qtz-cal veins with 1% py	RV
2615752	499772	5303186	25-Jun-15	Grab	Host zone	180° (165°?)	65°E	Ultramafic	Ctl + Mgs	Mod to weak	Mag	0.5			Mgs- and ctl-altered ol-rich ultramafic with very large ctl crystals on fracture surface; cut by mag veins	RV
2615753	499688	5303236	25-Jun-15	Float				Pyroxenite (?)			Py	0.1			Hosts 2 cm wide qtz +/- cal, ser, py vein	RV
2615754	499631	5303357	25-Jun-15	Grab				Melatroctolite			Py	<0.1			Hosts a sheared, granular, qtz-cal vein; most cb disolved? Nicely formed qtz crystals growing into voids	RV
2615755	499939	5303114	25-Jun-15	Float				Ultramafic?	Fuchsite + Sil + Ep	Strong	Mag	0.5			Pervasively and strongly altered; boulder looks out of place relative to surrounding ones	RV
2615756	501083	5304360	26-Jun-15	Grab				Conglomerate			Py	0.5			Massive, matrix-supported, clasts of qtz, basalt; clasts range from sub-rounded to sub-angular	RV
2615757	501122	5304394	26-Jun-15	Grab	Bedding	120°	40°N	Conglomerate			Py	0.5	Hem	Weak	Could be sub-crop; more foliated and hem-altered than previous sample	RV
2615758	501424	5304310	26-Jun-15	Grab	Bedding	70°	30°N	Conglomerate			Py	1	Hem	Weak	Relatively py-rich; appears to be gently north-dipping	RV
2615759	501600	5304246	26-Jun-15	Grab				Quartzitic conglomerate			Py	0.1			Relatively unaltered and unmineralized but with a moderate foliation; also appears more quartzite-rich than at other localities	RV
2615760			26-Jun-15	Std Si54												RV
2615761	502061	5304258	26-Jun-15	Grab				Quartzitic conglomerate			Py	0.1	Hem + Jarosite	Weak	Massive to moderately foliated; lots of Fe-staining on surface; forms resistant subcrop (oc?) knob that is reminiscent of dyke occurrences	RV
2615762	502326	5304094	26-Jun-15	Grab				Quartzitic conglomerate	Cb	Weak			Hem	Weak	Massive to weakly foliated with deep rust-stained surface; possibly some ank?	RV
2615763	502611	5304096	26-Jun-15	Grab				Quartzite			Py	0.1	Hem	Weak	Massive grey with scattered qtz and characteristics "charcoal" pebbles and fragments	RV
2615764	502808	5303885	26-Jun-15	Grab				Conglomerate			Py	0.1			Relatively fine-grained conglomerate; possibly transitional unit from quartzite to conglomerate	RV
2615765	502860	5304179	27-Jun-15	Grab				Quartzite			Py	0.1	Hem	Weak	Contains small inclusions of py-bearing graphitic argillite	RV
2615766	502804	5304059	27-Jun-15	Grab				Conglomerate			Py	0.1			Sub-crop; massive to weakly foliated	RV
2615767	503093	5303761	27-Jun-15	Grab				Quartzitic conglomerate			Py	0.1			Weakly foliated (imbricated?); clasts include black argillite	RV
2615768	503108	5303671	27-Jun-15	Grab				Conglomerate	Cb	Weak					Clasts up to 5 cm in length; ranges from clast= to matrix-supported; weak ank alteration	RV
2615769	503115	5303616	27-Jun-15	Grab				Conglomerate with qtz-ank vein			Py	0.1	Hem	Weak	Irregular, granular, qtz-ank vein; conglomerate with clasts to 5 cm	RV
2615770			27-Jun-15	Std Si54												RV
2615771	503076	5303540	27-Jun-15	Grab	Bedding	205°	25°E	Quartzite	Cb	Weak	Py	0.5			Massive to weakly bedded; dark grey	RV
2615772	503085	5303543	27-Jun-15	Grab				Conglomerate			Py	1			Relatively py-rich; immeiately below grey quartzite - possible contact between Timiskaming and Proterozoic sedimentary rocks?	RV
2615773	502936	5303291	27-Jun-15	Grab	Vein	190°	85°W	Quartzite + qtz-ank vein							Dark grey host rock, scattered rounded pebbles; sheared in qtz-ank veins (85% qtz, 15% ank)	RV
2615774	502932	5303287	27-Jun-15	Grab	Vein	200°	55°W	Quartzite + qtz-ank vein							Mostly qtz-ank vein (80:20), very coarse crystalline vein material, no sulphides; host rock is dark grey quartzite	RV
2615775	502973	5303003	27-Jun-15	Grab	Bedding	50°	30°NW	Conglomeraitic quartzite			Py	0.1			Dark grey, massive, 10% clasts that include black argillite	RV
2615776	498958	5303371	28-Jun-15	Grab	Vein	250°	60°N	Mafic volcanic with qtz-cb veins			Py	0.1	Hem	Weak	Massive, greenish-grey; veins are weakly deformed, 5% veining in total	RV
2615777	498612	5303315	28-Jun-15	Grab				Mafic volcanic with qtz-cb sweats			Py	0.5	Hem	Weak	Massive, greenish-grey; amoeboid qtz-cb sweats comprise 5% of the rock	RV
2615778	498504	5303493	28-Jun-15	Grab				Mafic "tuff"			Py	0.5	Hem	Weak	See pictures. Rounded clasts of volcanic material (up to 1 cm in diameter), tightly packed and within matrix of volcanic, cb and trace py	RV
2615779	498539	5303681	28-Jun-15	Grab				Volcaniclastic	Chl	Mod	Py	0.5			Imbricated and fissile; clasts are of various composition and up to 2 cm long; matrix is chl with minor py and qtz-cb sweats	RV
2615780			28-Jun-15	Std Si54												RV
2615781	498543	5303682	28-Jun-15	Grab				Mafic volcanic with qtz-cb sweats	Cb	Weak	Py	0.1			Dark greenish-grey with 10% qtz-cb sweats	RV
2615782	498544	5303692	28-Jun-15	Grab				Volcaniclastic	Chl	Mod	Py	0.5			Massive, various clasts up to 5 cm in daimeter, matrix- to clast-supported, dark green chl-rich matrix	RV
2615783	498614	5303819	28-Jun-15	Grab				Mafic volcanic			Py	1	Hem	Weak	Massive, dark grey, with qtz-cb sweats (1%) and py on fracture surface; adjacent to gabbro	RV
2615784	498022	5304160	28-Jun-15	Grab				Gabbro	Ep	Weak	Py	1			Fine-grained, massive, gabbro	RV

Sample ID	UTM Easting	UTM Northing	Date	Sample Type	Stucture	Strike	Dip	Rock Type	Alteration		Metallics		Secondaries		Comments	Sampler
									Type	*Intensity*	*Type*	*%*	*Type*	*Intensity*		
2615785	497891	5304105	28-Jun-15	Grab				Mafic volcanic	Cb + Qtz	Mod	Py	0.1			Qtz-cb flooded mafic volcanic	RV
2615786	497856	5304088	28-Jun-15	Grab				Mafic volcanic	Cb + Qtz	Mod	Py	0.1			Qtz-cb flooded; knobbly weathering (almost like a conglomerate)	RV
2615787	497800	5304007	28-Jun-15	Grab				Mafic volcanic	Cb + Qtz	Mod	Py	0.1			Qtz-cb flooded subcrop	RV

Appendix G: Certificates of Analysis for Rock Samples

Certificate of Analysis
Work Order : SD150016
[Report File No.: 0000012067]

Date: August 04, 2015

To: **RON VOORDOUW**
EQUITY EXPLORATION CONSULTANTS LTD
200-900 WEST HASTINGS ST
VANCOUVER BC V6C 1E5

P.O. No.: KSK-15-13_02/2615751-787
Project No.: -
Samples: 37
Received: Jul 3, 2015
Pages: Page 1 to 15
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
37	G_LOG02	Pre-preparation processing, sorting, logging, boxing
37	G_WGH79	Weighing of samples and reporting of weights
34	G_PRP89	Weigh, dry,(up to3.0 kg) crush to 75% passing 2 mm, split 250 g, pulverize to
37	GE_FAA313	@Au, FAS, AAS, 30g-5ml(FINAL-WT)
37	GE_IC40A	Multi-acid (4-acid) digestion/ICP-AES finish
37	GE_IC40M	Multi-acid (4-acid) digestion/ICP-MS finish
2	GO_ICP41Q	Ore-Grade, 4-Acid Digest/ICP-AES

Storage: Pulp & Reject

REJECT STORAGE :
PULP STORAGE :

Comments:

Preparation of samples was performed at the SGS Sudbury site.

Certified By : ______________________
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

Element	WtKg	@Au	Ag@	Al@	Ba@	Ca@	Cr@	Cu@
Method	G_WGH79	GE_FAA313	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
Det.Lim.	0.01	5	0.02	0.01	1	0.01	1	0.5
Units	kg	ppb	ppm	%	ppm	%	ppm	ppm
2615751	1.218	<5	0.12	8.09	630	3.47	136	91.2
2615752	1.966	<5	0.03	0.79	<1	0.05	2410	<0.5
2615753	1.417	<5	0.06	5.57	2	8.77	348	104
2615754	1.495	<5	0.16	3.14	21	4.05	993	27.4
2615755	2.286	292	0.09	2.59	<1	>15.0	67	24.3
2615756	1.914	<5	0.04	5.57	119	6.70	342	80.3
2615757	1.042	7	0.07	6.38	152	3.85	814	84.9
2615758	1.234	<5	0.06	6.04	226	4.11	1070	63.1
2615759	1.365	<5	0.15	6.15	187	4.25	851	83.8
2615760	0.106	1730	0.68	7.98	198	2.45	50	33.9
2615761	1.142	<5	0.06	5.02	191	6.01	365	67.2
2615762	0.782	<5	0.03	6.77	201	4.68	312	78.2
2615763	1.342	<5	0.14	6.06	141	4.41	445	79.3
2615764	1.496	<5	0.08	6.51	497	4.53	406	67.6
2615765	1.063	<5	0.08	7.28	166	2.54	615	86.1
2615766	1.126	<5	0.05	7.58	390	2.82	319	87.3
2615767	1.515	<5	0.08	5.72	94	6.84	510	53.4
2615768	1.558	<5	0.03	6.57	270	3.81	239	56.7
2615769	1.512	<5	0.05	6.09	286	2.79	258	99.3
2615770	0.104	1830	0.64	8.01	209	2.49	46	34.7
2615771	1.175	<5	0.05	6.60	18	1.45	502	61.4
2615772	1.055	<5	0.06	6.80	27	0.78	575	56.1
2615773	1.573	<5	<0.02	7.09	417	1.14	60	1.8
2615774	1.726	<5	<0.02	3.66	157	1.33	50	1.4
2615775	1.075	<5	0.04	6.71	172	3.73	285	85.3
2615776	1.179	<5	0.03	8.02	116	3.38	46	34.4
2615777	1.227	<5	0.06	8.29	30	6.96	60	42.2
2615778	0.905	<5	0.02	8.85	393	3.58	76	12.9
2615779	1.175	<5	0.05	7.27	100	3.36	315	97.8
2615780	0.105	1760	0.77	8.05	202	2.52	58	35.0
2615781	0.962	<5	0.05	7.40	134	4.49	28	39.5
2615782	1.261	<5	0.06	7.51	48	1.80	615	82.6
2615783	1.346	34	0.08	7.68	73	5.20	32	49.4
2615784	1.209	<5	0.11	7.03	294	5.92	64	147
2615785	1.108	<5	0.03	6.73	230	6.60	<1	11.2
2615786	0.965	<5	<0.02	6.17	304	10.1	<1	11.1
2615787	1.421	<5	0.25	6.40	123	9.55	<1	68.5
*Dup 2615787	N.A.	<5	0.22	6.25	125	9.32	<1	65.1

Element	@Au	Ag@	Al@	Ba@	Ca@	Cr@	Cu@
Method	GE_FAA313	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
Det.Lim.	5	0.02	0.01	1	0.01	1	0.5
Units	ppb	ppm	%	ppm	%	ppm	ppm
*Rep 2615766		0.06	7.69	398	2.86	347	86.9
*Std OREAS901		0.37	6.64	218	0.09	40	1380
*Std CH-4		2.17	7.54	456	1.91	78	2010
*Blk BLANK		0.03	<0.01	<1	<0.01	<1	0.6
*Rep 2615756	<5						
*Std OXN117	7740						
*Std OXJ111	2200						
*Blk BLANK	<5						

Element	Fe@	K@	Li@	Mg@	Mn@	Na@	Ni@	P@
Method	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
Det.Lim.	0.01	0.01	1	0.01	2	0.01	0.5	0.005
Units	%	%	ppm	%	ppm	%	ppm	%
2615751	5.41	1.89	20	2.50	1090	2.58	108	0.125
2615752	5.91	<0.01	<1	>15.0	851	0.01	2140	<0.005
2615753	4.35	0.04	9	4.60	715	0.29	172	<0.005
2615754	5.34	0.12	18	7.63	1020	0.31	371	<0.005
2615755	4.39	<0.01	<1	6.78	2160	0.01	216	<0.005
2615756	6.31	0.37	104	4.24	1790	1.93	358	0.029
2615757	8.26	0.51	152	3.57	1680	1.43	453	0.025
2615758	9.32	0.71	146	2.56	1970	1.27	881	0.033
2615759	7.75	0.57	136	3.93	1650	1.41	561	0.027
2615760	5.58	4.54	3	1.88	512	2.93	76.7	0.114
2615761	7.62	0.88	36	3.25	1790	1.20	351	0.024
2615762	5.34	0.81	51	2.19	1600	2.91	389	0.031
2615763	6.53	0.53	88	2.25	1600	1.92	488	0.035
2615764	6.35	0.97	89	3.03	1500	1.91	262	0.048
2615765	7.72	0.33	155	3.43	1010	2.29	401	0.074
2615766	6.86	0.76	81	2.77	1140	2.49	250	0.050
2615767	5.32	0.09	38	3.59	1320	2.44	342	0.030
2615768	6.40	0.76	110	3.03	1900	2.03	232	0.052
2615769	6.61	0.89	111	2.53	1580	1.31	197	0.049
2615770	5.71	4.49	3	1.96	540	2.90	78.3	0.115
2615771	6.42	0.03	180	5.22	707	1.67	401	0.030
2615772	7.04	0.02	143	3.89	849	2.30	322	0.037
2615773	3.93	2.18	50	2.14	410	0.92	56.4	0.056
2615774	2.07	0.81	25	1.02	329	0.73	27.1	0.045
2615775	7.63	0.41	115	2.98	1640	2.27	265	0.044
2615776	3.95	0.42	19	1.87	797	3.55	56.5	0.060
2615777	4.38	0.14	11	1.81	874	1.82	61.1	0.057
2615778	4.46	1.73	20	1.43	985	1.55	52.1	0.074
2615779	8.63	0.34	79	3.54	1900	2.06	213	0.031
2615780	5.82	4.56	4	1.94	527	2.94	76.4	0.110
2615781	3.59	0.88	19	1.23	594	1.43	23.2	0.048
2615782	7.46	0.06	88	4.06	1110	2.77	363	0.040
2615783	3.73	0.60	20	1.08	567	1.90	30.8	0.053
2615784	10.0	0.53	37	3.56	1660	2.19	68.6	0.059
2615785	1.67	0.76	30	0.36	1320	3.26	2.7	0.050
2615786	1.31	1.04	23	0.25	1720	2.19	<0.5	0.050
2615787	3.67	0.42	58	0.60	2160	2.93	0.6	0.020
*Dup 2615787	3.65	0.42	58	0.59	2080	2.82	<0.5	0.023

Element	Fe@	K@	Li@	Mg@	Mn@	Na@	Ni@	P@
Method	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
Det.Lim.	0.01	0.01	1	0.01	2	0.01	0.5	0.005
Units	%	%	ppm	%	ppm	%	ppm	%
*Rep 2615766	6.92	0.78	84	2.87	1190	2.53	256	0.055
*Std OREAS901	3.96	3.76	17	0.60	270	0.05	38.1	0.054
*Std CH-4	4.97	1.88	14	1.42	432	3.26	51.4	0.069
*Blk BLANK	<0.01	<0.01	<1	<0.01	<2	<0.01	<0.5	<0.005

Element	S@	Sr@	Ti@	V@	Zn@	Zr@	As@	Be@
Method	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
Det.Lim.	0.01	0.5	0.01	2	1	0.5	1	0.1
Units	%	ppm	%	ppm	ppm	ppm	ppm	ppm
2615751	0.02	251	0.68	143	105	177	<1	0.7
2615752	<0.01	1.4	0.04	29	42	5.3	<1	<0.1
2615753	0.02	7.5	0.15	118	23	14.0	<1	0.1
2615754	0.09	11.6	0.13	86	47	14.1	1	0.1
2615755	<0.01	6.4	0.02	35	60	3.9	264	<0.1
2615756	0.20	193	0.20	171	82	48.8	6	0.3
2615757	0.22	139	0.18	220	126	52.9	10	0.4
2615758	0.95	171	0.15	161	132	61.8	15	0.5
2615759	0.40	166	0.25	206	112	49.1	17	0.4
2615760	2.94	384	0.57	72	63	90.9	21	2.9
2615761	0.13	212	0.12	152	152	47.8	54	0.4
2615762	0.08	178	0.19	154	74	68.4	4	0.5
2615763	0.08	159	0.17	167	88	62.1	21	0.4
2615764	0.22	199	0.24	183	85	82.3	12	0.6
2615765	0.22	152	0.16	232	149	75.4	9	0.4
2615766	0.11	171	0.35	222	101	81.2	11	0.7
2615767	0.13	394	0.19	126	131	49.3	12	0.4
2615768	0.17	219	0.19	136	78	73.7	27	0.5
2615769	0.18	137	0.26	171	78	76.9	44	0.4
2615770	2.92	378	0.57	73	64	90.2	26	2.9
2615771	0.46	133	0.24	171	113	75.6	9	0.4
2615772	0.34	112	0.48	215	111	72.2	6	0.6
2615773	<0.01	50.5	0.26	84	45	121	5	0.7
2615774	<0.01	65.7	0.12	43	26	57.0	2	0.3
2615775	0.16	172	0.20	210	109	70.1	8	0.5
2615776	0.01	188	0.39	89	63	146	8	0.7
2615777	0.02	43.9	0.36	89	62	132	<1	0.8
2615778	0.09	390	0.41	98	46	150	<1	0.6
2615779	0.07	115	0.53	247	102	61.3	3	0.3
2615780	2.93	384	0.58	67	69	89.9	23	3.0
2615781	0.09	126	0.31	76	91	170	1	1.0
2615782	0.19	110	0.39	207	98	71.1	5	0.4
2615783	0.28	101	0.31	78	138	166	3	1.2
2615784	0.15	180	0.89	406	135	120	2	0.9
2615785	<0.01	133	0.20	21	39	146	4	0.7
2615786	0.01	150	0.16	20	36	132	2	0.8
2615787	0.02	126	0.18	20	49	138	8	0.4
*Dup 2615787	0.02	123	0.17	19	47	138	7	0.5

Element	S@	Sr@	Ti@	V@	Zn@	Zr@	As@	Be@
Method	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
Det.Lim.	0.01	0.5	0.01	2	1	0.5	1	0.1
Units	%	ppm	%	ppm	ppm	ppm	ppm	ppm
*Rep 2615766	0.11	173	0.35	231	102	82.5	11	0.7
*Std OREAS901	0.04	30.6	0.24	81	23	178	65	6.6
*Std CH-4	0.64	204	0.28	83	203	120	8	0.8
*Blk BLANK	<0.01	<0.5	<0.01	<2	1	<0.5	<1	<0.1

Element	Bi@	Cd@	Ce@	Co@	Cs@	Ga@	Hf@	In@
Method	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
Det.Lim.	0.04	0.02	0.05	0.1	1	0.1	0.02	0.02
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2615751	<0.04	0.22	47.9	37.4	<1	20.1	4.17	0.06
2615752	<0.04	<0.02	0.61	115	<1	1.7	0.12	<0.02
2615753	<0.04	0.04	2.84	33.4	<1	8.7	0.42	0.03
2615754	<0.04	0.05	2.00	52.1	<1	6.1	0.41	0.02
2615755	<0.04	0.81	1.86	41.7	<1	5.9	0.07	<0.02
2615756	<0.04	0.20	10.5	45.0	3	12.5	1.34	0.06
2615757	0.04	0.19	9.17	48.4	3	16.4	1.39	0.07
2615758	<0.04	0.15	13.1	45.2	4	15.5	1.74	0.05
2615759	0.04	0.20	12.1	59.0	4	14.8	1.30	0.07
2615760	1.67	0.41	31.9	21.4	3	23.4	2.16	0.06
2615761	<0.04	0.39	12.1	49.1	4	12.2	1.30	0.07
2615762	<0.04	0.18	19.1	32.9	5	15.6	1.98	0.06
2615763	<0.04	0.17	15.8	48.8	3	13.1	1.77	0.06
2615764	<0.04	0.12	29.3	43.6	7	15.5	2.12	0.06
2615765	0.05	0.11	25.9	56.5	2	18.3	2.20	0.05
2615766	0.04	0.08	34.7	44.9	4	18.7	2.26	0.07
2615767	0.05	0.53	16.7	37.5	3	12.3	1.45	0.06
2615768	<0.04	0.14	32.5	32.5	5	14.4	1.94	0.05
2615769	<0.04	0.11	20.4	35.9	5	13.9	1.86	0.06
2615770	1.64	0.42	31.8	21.2	3	23.2	2.12	0.06
2615771	0.04	0.08	20.0	39.5	<1	15.7	1.93	0.05
2615772	0.11	0.06	21.9	44.1	<1	17.1	1.90	0.05
2615773	<0.04	0.03	23.7	18.2	8	16.3	2.82	0.04
2615774	<0.04	0.03	13.9	8.9	3	7.3	1.38	<0.02
2615775	<0.04	0.13	21.2	47.1	3	16.7	2.01	0.06
2615776	<0.04	0.18	32.2	18.2	1	16.9	3.49	0.04
2615777	0.05	0.16	28.5	18.5	<1	26.1	3.21	0.04
2615778	<0.04	0.04	31.9	15.4	2	22.9	3.53	0.04
2615779	0.04	0.11	14.5	49.3	3	16.9	1.63	0.07
2615780	1.88	0.42	32.3	21.7	3	24.0	2.15	0.06
2615781	0.07	0.10	42.0	12.3	<1	17.4	4.58	0.04
2615782	0.09	0.08	13.4	55.1	<1	17.5	1.93	0.05
2615783	0.10	0.25	36.6	13.8	1	22.8	4.30	0.06
2615784	0.06	0.13	30.9	52.7	2	19.6	3.34	0.10
2615785	<0.04	0.05	24.2	4.9	2	16.8	4.05	0.02
2615786	<0.04	0.05	28.2	2.3	2	15.3	3.68	<0.02
2615787	0.11	<0.02	27.8	10.8	1	16.8	3.65	0.12
*Dup 2615787	0.11	0.02	27.2	10.5	1	17.2	3.66	0.11

Element	Bi@	Cd@	Ce@	Co@	Cs@	Ga@	Hf@	In@
Method	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
Det.Lim.	0.04	0.02	0.05	0.1	1	0.1	0.02	0.02
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Rep 2615766	0.04	0.09	35.0	46.4	4	19.3	2.36	0.07
*Std OREAS901	4.84	0.04	89.2	71.8	5	19.5	5.14	0.28
*Std CH-4	0.52	1.20	32.1	23.2	3	19.5	3.19	0.13
*Blk BLANK	<0.04	<0.02	<0.05	<0.1	<1	<0.1	<0.02	<0.02

Element	La@	Lu@	Mo@	Nb@	Pb@	Rb@	Sb@	Sc@
Method	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
Det.Lim.	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.5
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2615751	19.5	0.32	2.89	11.3	2.4	59.2	0.14	21.6
2615752	0.2	0.03	0.07	0.1	0.6	0.5	<0.05	8.2
2615753	1.0	0.10	0.99	0.6	0.7	0.4	0.08	27.7
2615754	0.7	0.09	1.42	0.5	3.8	2.9	0.20	20.0
2615755	1.1	0.04	1.15	0.1	<0.5	<0.2	1.57	4.7
2615756	4.3	0.18	0.61	1.1	1.9	14.6	0.85	26.7
2615757	3.6	0.20	0.48	1.0	2.7	18.8	1.66	33.4
2615758	5.1	0.20	0.53	1.0	3.1	25.1	7.07	28.9
2615759	4.8	0.22	0.44	1.5	6.5	22.3	3.73	31.4
2615760	15.1	0.09	1.75	19.3	89.7	339	1.08	6.5
2615761	5.0	0.18	0.46	0.6	1.8	31.4	1.46	25.5
2615762	7.8	0.22	0.58	1.5	1.5	34.0	0.31	23.6
2615763	6.6	0.18	0.57	1.2	1.8	21.3	0.87	26.5
2615764	12.3	0.22	0.37	2.0	2.5	30.9	2.05	28.5
2615765	10.0	0.22	0.35	1.2	3.0	12.1	3.05	32.1
2615766	14.7	0.26	0.37	2.3	2.6	25.7	0.75	34.9
2615767	7.3	0.17	0.81	1.2	4.5	4.0	0.32	20.4
2615768	14.0	0.17	0.40	1.6	2.1	26.2	1.67	22.1
2615769	8.6	0.20	0.86	1.8	2.8	30.3	2.15	25.7
2615770	15.2	0.09	1.73	18.7	87.5	338	1.08	6.5
2615771	8.2	0.20	0.59	2.1	2.6	0.8	0.61	25.8
2615772	9.4	0.21	0.60	3.2	2.3	0.6	1.08	29.9
2615773	9.9	0.18	1.12	4.9	1.3	72.9	0.60	12.4
2615774	5.9	0.09	2.17	1.9	1.3	27.1	0.37	5.7
2615775	8.2	0.22	0.43	1.3	1.9	14.5	1.86	32.3
2615776	13.7	0.26	0.63	7.6	2.5	17.0	0.11	15.4
2615777	12.0	0.26	1.41	6.7	2.8	4.7	0.08	14.7
2615778	13.7	0.24	0.55	7.6	2.3	79.8	0.06	16.1
2615779	5.8	0.38	0.27	2.6	1.3	12.0	0.56	36.7
2615780	15.5	0.09	1.81	19.8	91.5	348	1.10	6.7
2615781	19.2	0.29	1.14	8.1	3.7	33.7	0.08	11.6
2615782	5.3	0.22	0.28	2.6	1.8	2.5	0.53	33.1
2615783	16.6	0.24	2.49	7.7	2.8	18.6	0.13	11.8
2615784	13.4	0.55	0.69	6.1	5.3	19.8	0.10	40.2
2615785	10.9	0.19	0.39	5.9	2.2	26.5	0.12	6.4
2615786	13.7	0.18	0.20	4.9	1.6	34.9	0.08	5.3
2615787	13.7	0.15	0.36	5.3	2.0	15.4	0.08	5.8
*Dup 2615787	13.4	0.14	0.35	5.1	1.9	15.5	0.06	5.8

Element	La@	Lu@	Mo@	Nb@	Pb@	Rb@	Sb@	Sc@
Method	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
Det.Lim.	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.5
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Rep 2615766	15.0	0.27	0.44	2.3	2.6	26.3	0.78	36.3
*Std OREAS901	44.3	0.58	3.37	9.3	16.8	160	2.56	14.3
*Std CH-4	15.1	0.18	3.25	3.8	15.9	81.3	0.80	13.2
*Blk BLANK	<0.1	<0.01	<0.05	<0.1	<0.5	<0.2	<0.05	<0.5

Element	Se@	Sn@	Ta@	Tb@	Te@	Th@	Tl@	U@
Method	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
Det.Lim.	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2615751	<2	1.5	0.87	0.79	<0.05	1.6	0.23	0.37
2615752	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05
2615753	<2	0.5	<0.05	0.17	<0.05	<0.2	<0.02	<0.05
2615754	<2	<0.3	<0.05	0.13	<0.05	<0.2	0.03	<0.05
2615755	<2	<0.3	<0.05	0.06	<0.05	<0.2	<0.02	<0.05
2615756	<2	0.5	0.08	0.26	<0.05	0.7	0.09	0.17
2615757	<2	0.5	0.08	0.25	<0.05	0.5	0.14	0.19
2615758	<2	0.4	0.09	0.25	<0.05	1.3	0.39	0.33
2615759	<2	0.6	0.16	0.35	<0.05	0.5	0.13	0.13
2615760	<2	1.6	1.36	0.40	0.41	2.2	2.14	0.84
2615761	<2	0.5	<0.05	0.27	<0.05	0.7	0.22	0.17
2615762	<2	0.6	0.12	0.32	<0.05	1.4	0.23	0.30
2615763	<2	0.6	0.09	0.26	<0.05	1.1	0.14	0.28
2615764	<2	0.6	0.16	0.37	<0.05	1.7	0.25	0.39
2615765	<2	0.5	0.11	0.30	<0.05	1.5	0.10	0.37
2615766	<2	0.8	0.18	0.42	<0.05	1.9	0.16	0.52
2615767	<2	0.4	0.09	0.27	<0.05	1.3	0.04	0.33
2615768	<2	0.5	0.14	0.36	<0.05	2.3	0.20	0.57
2615769	<2	0.6	0.16	0.37	<0.05	0.8	0.24	0.20
2615770	<2	1.6	1.22	0.40	0.30	2.3	2.41	0.84
2615771	<2	<0.3	0.19	0.31	<0.05	1.3	<0.02	0.32
2615772	<2	0.9	0.23	0.39	<0.05	1.2	<0.02	0.28
2615773	<2	1.2	0.37	0.31	<0.05	1.5	0.24	0.37
2615774	<2	0.6	0.14	0.18	<0.05	0.7	0.09	0.18
2615775	<2	0.5	0.09	0.26	<0.05	1.4	0.11	0.34
2615776	<2	1.3	0.55	0.55	<0.05	1.6	0.03	0.39
2615777	<2	1.4	0.51	0.52	<0.05	1.5	<0.02	0.37
2615778	<2	1.2	0.61	0.53	<0.05	1.7	0.23	0.41
2615779	<2	0.7	0.19	0.62	<0.05	0.7	0.09	0.18
2615780	<2	1.9	1.44	0.41	0.38	2.2	2.22	0.90
2615781	<2	1.9	0.74	0.61	<0.05	3.6	0.14	0.86
2615782	<2	0.6	0.24	0.28	<0.05	1.0	0.05	0.25
2615783	<2	2.5	0.73	0.54	<0.05	3.3	0.10	0.81
2615784	<2	1.3	0.43	0.90	<0.05	3.6	0.12	0.86
2615785	<2	1.5	0.58	0.41	<0.05	3.2	0.24	0.83
2615786	<2	1.2	0.48	0.38	<0.05	2.8	0.32	0.79
2615787	<2	1.3	0.50	0.32	<0.05	2.9	0.19	0.45
*Dup 2615787	<2	1.3	0.49	0.32	<0.05	2.9	0.19	0.44

Element	Se@	Sn@	Ta@	Tb@	Te@	Th@	Tl@	U@
Method	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
Det.Lim.	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Rep 2615766	<2	0.8	0.17	0.42	<0.05	1.9	0.17	0.52
*Std OREAS901	3	3.6	0.83	1.30	0.10	17.5	0.79	11.2
*Std CH-4	2	1.3	0.30	0.40	0.48	2.6	0.40	0.80
*Blk BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05

Element	W@	Y@	Yb@	Ca	Mg
Method	GE_ICM40B	GE_ICM40B	GE_ICM40B	GO_ICP41Q	GO_ICP41Q
Det.Lim.	0.1	0.1	0.1	0.01	0.1
Units	ppm	ppm	ppm	%	%
2615751	0.4	23.1	2.1	N.A.	N.A.
2615752	<0.1	1.6	0.2	N.A.	24.5
2615753	<0.1	6.0	0.7	N.A.	N.A.
2615754	<0.1	4.7	0.6	N.A.	N.A.
2615755	1.0	2.4	0.2	21.1	N.A.
2615756	<0.1	8.8	1.1	N.A.	N.A.
2615757	<0.1	9.8	1.2	N.A.	N.A.
2615758	<0.1	8.8	1.2	N.A.	N.A.
2615759	0.2	10.9	1.3	N.A.	N.A.
2615760	0.3	8.5	0.6	N.A.	N.A.
2615761	0.2	8.8	1.1	N.A.	N.A.
2615762	0.1	10.7	1.3	N.A.	N.A.
2615763	<0.1	8.9	1.1	N.A.	N.A.
2615764	0.6	9.4	1.3	N.A.	N.A.
2615765	0.2	8.8	1.3	N.A.	N.A.
2615766	0.2	10.6	1.5	N.A.	N.A.
2615767	0.1	7.4	1.0	N.A.	N.A.
2615768	0.2	9.2	1.1	N.A.	N.A.
2615769	1.1	9.8	1.2	N.A.	N.A.
2615770	0.4	8.4	0.6	N.A.	N.A.
2615771	0.3	8.4	1.1	N.A.	N.A.
2615772	0.7	9.5	1.2	N.A.	N.A.
2615773	0.6	9.2	1.0	N.A.	N.A.
2615774	0.1	5.0	0.5	N.A.	N.A.
2615775	0.1	8.2	1.2	N.A.	N.A.
2615776	0.4	17.5	1.7	N.A.	N.A.
2615777	0.2	17.0	1.6	N.A.	N.A.
2615778	0.2	16.6	1.5	N.A.	N.A.
2615779	0.9	22.8	2.4	N.A.	N.A.
2615780	0.4	8.5	0.6	N.A.	N.A.
2615781	0.3	19.1	1.8	N.A.	N.A.
2615782	1.0	8.8	1.2	N.A.	N.A.
2615783	0.3	16.0	1.5	N.A.	N.A.
2615784	0.2	32.5	3.4	N.A.	N.A.
2615785	0.3	12.6	1.1	N.A.	N.A.
2615786	0.3	12.4	1.1	N.A.	N.A.
2615787	0.3	9.4	0.9	N.A.	N.A.
*Dup 2615787	0.3	9.2	0.9	N.A.	N.A.
*Std SRM88B				20.8	13.1
*Blk BLANK				<0.01	<0.1

Element	W@	Y@	Yb@	Ca	Mg
Method	GE_ICM40B	GE_ICM40B	GE_ICM40B	GO_ICP41Q	GO_ICP41Q
Det.Lim.	0.1	0.1	0.1	0.01	0.1
Units	ppm	ppm	ppm	%	%
*Rep 2615766	0.2	10.9	1.5		
*Std OREAS901	3.2	40.3	3.7		
*Std CH-4	3.5	11.3	1.1		
*Blk BLANK	<0.1	<0.1	<0.1		
*Rep 2615752				N.A.	24.4

Appendix H: Quality Control / Quality Assurance

QUALITY CONTROL / QUALITY ASSURANCE

I Chain of Custody

All soil and rock samples were packed in rice sacks and sealed with uniquely-numbered non-resealable security straps. Rice sacks were trucked to SGS labs in Sudbury, Ontarion, an ISO 9001 registered laboratory. SGS reported that all bags were received in good condition, with all security straps intact, and with no evidence of tampering.

II Blanks

Blanks are samples that are known to be barren of mineralization and are inserted into the sample stream in the field to determine whether contamination has occurred during the analytical process.

a. Soil sample blanks

Seventeen samples of silica sand were inserted into the soil sampling stream at intervals of one blank for every 20 samples. Assays returned uniformly low values for Ag (≤0.9 ppb), Co ≤7 ppb, Cr ≤100 ppb, Cu ≤330 ppb, Ni ≤38 ppb, Pb ≤146 ppb, Sb ≤dl, Te ≤dl and Zn ≤650 ppb.

Values for gold ranged from <dl to 0.2 ppb, with one sample returning 0.3 ppb. Although these values are very low they are close to the 0.5 ppb value that is considered anomalous for soils collected during the field program.

Because of the low detection limits for most elements, a better gauge of contamination is probably the coefficient of variation (CV), which is the ratio of the standard deviation to the mean. A low CV means fairly consistent abundances and, therefore, a low probability of contamination. Thirty-nine of the 53 elements (74%) have CV's ≤20%, in comparison to just two of the 53 elements (4%) showing such low CV in the soil data. Those elements within the "blank" that have CV ≥20% are mostly elements that analyzed close to their detection limits, so that the 17 analyses are a mix of results just above and below detection that will lead to a high CV. The exceptions to this are U, Th and Ti, which each have one or two anomalously high values that may be indicative of contamination. However, since these elements are of little interest to the Midlothian work program this is not particularly concerning.

b. Rock sample blanks

No blanks were submitted with the rock samples.

III Field Duplicate Analysis

Field duplicates are two samples taken of the same material in the field. In the case of the soil sampling, this involved taking two soil samples from the same pit. Field duplicates are used to evaluate the reproducibility of analytical data.

a. Soil sample field duplicates

The reproducibility of field duplicate data is good for these elements that analyzed predominantly over the detection limit, like Ag, Cu, Ni, Pb and Zn (Figure I-1A to H). Elements that analyse close to detection, like Au, As and Mo for example, show more variation between field duplicates although the correlations between parent and daughter samples still tend to be positive.

a. Rock sample blanks

No field duplicates were submitted for the rock samples.

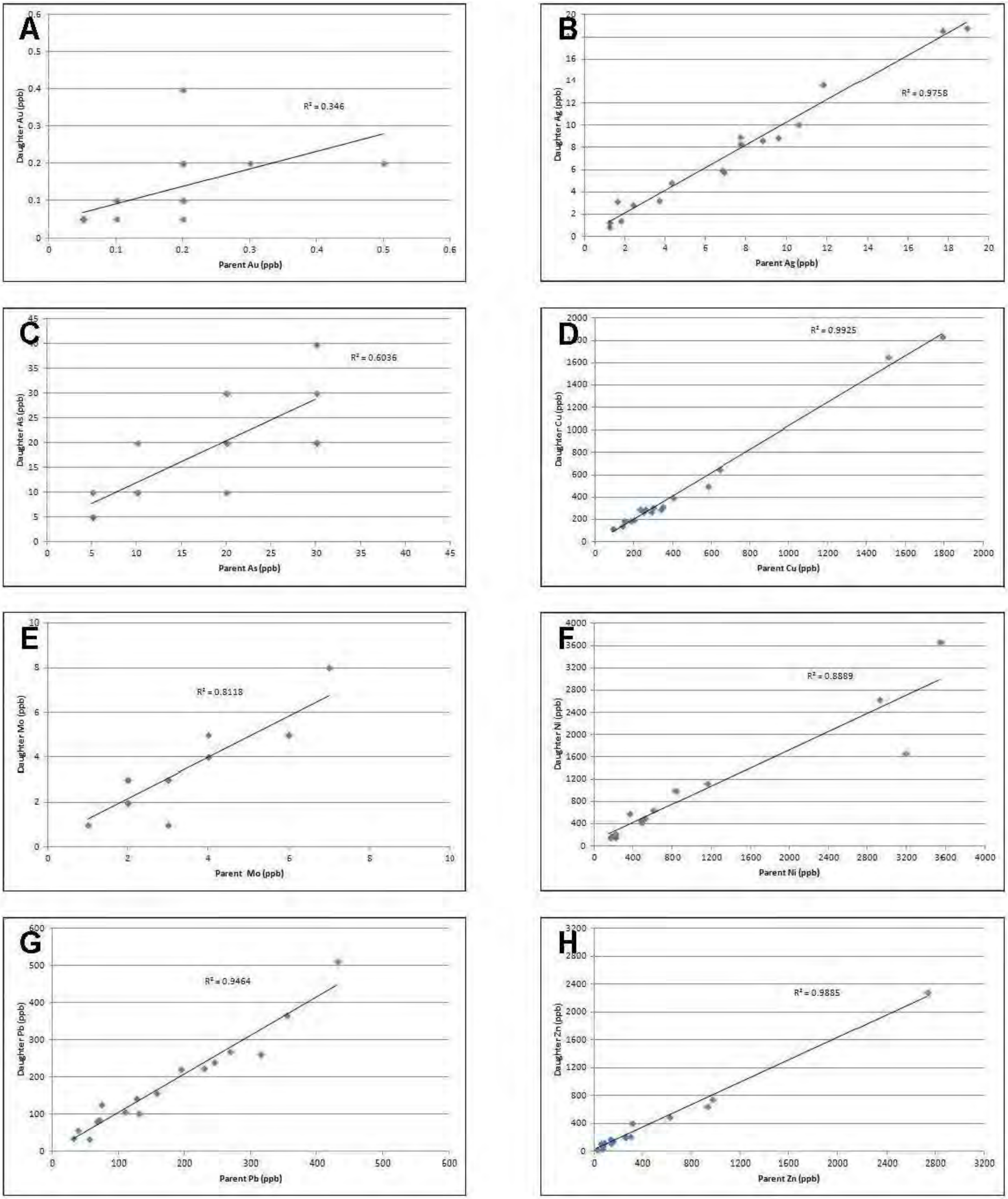

Figure I-1.:Scatter plots showing correlation between parent and daughter field duplicate assays for (A) gold, (B) silver, (C) arsenic, (D) copper, (E) molybdenum, (F) nickel, (G) lead and (H) zinc.

IV Standards

Standard reference materials (SRM) are inserted into the sample stream to gauge the accuracy of the lab's analyses.

a. Soil sample field duplicates

No SRMs were submitted with the soil samples.

b. Rock sample blanks

Rock samples were submitted along with three SRM's comprising ROCKLABS Si54, which has a mean concentration of 1.780 g/t Au with a 95% confidence interval of ±0.011 g/t and standard deviation of 0.034 g/t. Analytical results for the SRM, along with calculated z-scores, are tabulated in Table I-1 below.

Z-scores range from 0.6 to 1.5, which are within ±2 standard deviations (σ) parameter typically established as the "warning limit" and the ±3σ parameter comprising the "control limits". Since none of the the SRM's analyzed outside of these limits there were no standard failures.

Sample ID	Sample Type	Measured Au (ppb)	Si54 Au (ppb)	Difference (ppb)	Si54 2σ (ppb)	Z-score
2615760	Standard Si54	1730	1780	50	34	1.5
2615770	Standard Si54	1830	1780	50	34	1.5
2615780	Standard Si54	1760	1780	20	34	0.6

V Conclusions

- There is no evidence of tampering with the samples between collection and the laboratory.
- Consistently low values for all metals of interest, in addition to low coefficients of variation, indicate that contamination of soil samples did not take place in the field, or in the lab.
- Field duplicate soil samples show excellent reproducibility for those elements that analyzed predominantly above detection and acceptable reproducibility for elements at lower concentrations.
- The significant overlap in gold values for field samples and blank material reflects the uniform and very low concentration of gold in soils on the Property.
- All three gold analyses of SRM Si54 fell within the 2σ warning limits.
- Although not presented here, ALS Minerals carries out a full QA/QC protocol, including blanks, duplicates and standards, on laboratory handling and analysis of samples and satisfy themselves that results are satisfactory, prior to issuing certificates.

Appendix I: Oversize Figures


Kiska Metals Corporation
Midlothian Project
Sample Locations (MMI soil, rock), Prospecting Tracks and Outcrops
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure 7
EQUITY
0
1
kilometres
Scale: 1:10,000
N
LEGEND
2015 Rock Sample
2015 MMI Soil Sample
Prospecting Track Point
Outcrop (open pit and waste rock)
Outcrop (Matachewan dyke)
Outcrop (Gowganda metasediments)
Outcrop (Timiskaming metasediments)
Outcrop (Mafic intrusive)
Outcrop (Ultramafic intrusive)
Outcrop (Meta-andesite)
Road
River or stream
Lake
Wetland
200 m contour line
50 m contour line
4220776
4220777
4220778
4220779
4220780
4220781
4220782
4220785
4220786
4220787
4220788
5,304,000 mN
5,302,000 mN


0
1
kilometres
Scale: 1:10,000
2015 MMI Geochemistry
Response Ratio: Gold
> 10 (17)
7 to 10 (10)
4 to 7 (59)
< 4 (225)
Gold RR Anomaly
N
Kiska Metals Corporation
Midlothian Project
Response Ratios and Anomalies: Gold
EQUITY
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure
12A

Kiska Metals Corporation

Midlothian Project

Un-Levelled Response Ratios and Bedrock-Levelled Anomalies: Nickel

EQUITY

Date:	14/09/2015	*Figure*
Proj:	UTM Zone 17 (NAD 83)	12B
Prov:	ONTARIO	

0
1
kilometres
Scale: 1:10,000
2015 MMI Geochemistry
Response Ratio: Copper
>10 (4)
7 to 10 (6)
4 to 7 (15)
< 4 (286)
Copper RR Anomaly
Kiska Metals Corporation
Midlothian Project
Response Ratios and Anomalies: Copper
EQUITY
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure
12C


0
1
kilometres
Scale: 1:10,000
MMI2015_SoilGeochem_All_RR by Ag_RockRR
10 to 200 (3)
7 to 10 (5)
4 to 7 (21)
0 to 4 (282)
Silver RR Anomaly
N
Kiska Metals Corporation
Midlothian Project
Bedrock-Levelled Response Ratios,
Soil- and Bedrock-Levelled Anomalies:
Silver
EQUITY
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure
12D


0
1
kilometres
Scale: 1:10,000
MMI2015_SoilGeochem_All_RR by Pb__SoilRR
10 to 200 (3)
7 to 10 (3)
4 to 7 (16)
0 to 4 (289)
Lead RR Anomaly
N
Kiska Metals Corporation
Midlothian Project
Soil-Levelled Response Ratios,
Soil-Levelled Anomalies:
Lead
EQUITY
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure
12E

0
1
kilometres
Scale: 1:10,000
MMI2015_SoilGeochem_All_RR by Zn_URR
10 to 200 (28)
7 to 10 (18)
4 to 7 (42)
0 to 4 (223)
Zinc RR Anomaly
N
Kiska Metals Corporation
Midlothian Project
Un-Levelled Response Ratios,
Soil- and Bedrock-Levelled Anomalies:
Zinc
EQUITY
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure
12F

0
1
kilometres
Scale: 1:10,000
2015 MMI Geochemistry
Response Ratio: Arsenic
> 10 (39)
7 to 10 (13)
4 to 7 (84)
< 4 (175)
Arsenic RR Anomaly
Kiska Metals Corporation
Midlothian Project
Response Ratios and Anomalies: Arsenic
EQUITY
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure
12G


0
1
kilometres
Scale: 1:10,000
MMI2015_SoilGeochem_All_RR by Mo_SoilRR
10 to 200 (1)
7 to 10 (6)
4 to 7 (25)
0 to 4 (279)
Molybdenum RR Anomaly
Kiska Metals Corporation
Midlothian Project
Soil-Levelled Response Ratios,
Soil-Levelled Anomalies:
Molybdenum
EQUITY
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure
12H

0
1
kilometres
Scale: 1:10,000
2015 MMI Geochemistry
Response Ratio: Antimony
> 10 (16)
7 to 10 (12)
4 to 7 (35)
< 4 (248)
Antimony RR Anomaly
N
Kiska Metals Corporation
Midlothian Project
Response Ratios and Anomalies: Antimony
EQUITY
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure
12I

0
1
kilometres
Scale: 1:10,000
2015 MMI Geochemistry
Response Ratio: Cobalt
> 10 (7)
7 to 10 (8)
4 to 7 (27)
< 4 (269)
Cobalt RR Anomaly
N
Kiska Metals Corporation
Midlothian Project
Response Ratios and Anomalies: Cobalt
EQUITY
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure
12J


0
1
kilometres
Scale: 1:10,000
2015 MMI Geochemistry
Response Ratio: Chromium
> 10 (21)
7 to 10 (23)
4 to 7 (40)
< 4 (227)
Chromium RR Anomaly
Kiska Metals Corporation
Midlothian Project
Un-Levelled Response Ratios, Bedrock-Levelled Anomalies: Chromium
EQUITY
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure
12K


0
1
kilometres
Scale: 1:10,000
2015 MMI Geochemistry
Response Ratio: Barium
7 to 10 (4)
4 to 7 (14)
< 4 (293)
Kiska Metals Corporation
Midlothian Project
Response Ratios:
Barium
EQUITY
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure
12L


Felsic Volcanic
Pt 2615311
Pt 2615314
Trap
Trap SW As-Zn
Lloyd NW Arm
Lloyd North Ni
Lloyd North Au
Lloyd North Pb-Zn
Pt 2615289
Pt 2615233
Pt 2615567
Larry
Lloyd West Ni
Lloyd West Au
Pt 2615224
Lakoma East
Marshall NW Te-Pb-Zn
Pt 2615387
Lloyd South Au-Te
Lloyd South Ni
Pt 2615481
Anomalies
Multi_Element_OrogenicGold
Multi_Element_MagmaticSul
Multi_Element_Other
Kiska Metals Corporation
Midlothian Project
Significant Multi-Sample and Point Anomalies: Multi-Element
EQUITY
Date: 14/09/2015
Proj: UTM Zone 17 (NAD 83)
Prov: ONTARIO
Figure 13

Appendix J: Data Disk

Appendix K: Geologist's Certificates

GEOLOGIST'S CERTIFICATE

Ronald J. Voordouw

2327 Mary Hill Road

Port Coquitlam, BC, Canada

I, RONALD VOORDOUW, do hereby certify that:

I am presently a Project Geologist with Equity Exploration Consultants Ltd, with offices at Suite 200–900 West Hastings Street, Vancouver, B.C.

I am a professional geoscientist in good standing in the province of Newfoundland and Labrador.

I am a author of the assessment report *2015 Geological and Geochemical Report on the Midlothian Project* prepared for Kiska Metals Inc.

I graduated from the University of Calgary, Calgary, AB, Canada with a Bachelor of Science degree in geology in 1999 and with a Doctorate in geology in 2006 from the Memorial University of Newfoundland, Canada

Since 2006 I have been involved in natural resource exploration for base metals and gold (2006, 2011 – present); research on PGE deposits (2007, 2008); and regional geological mapping (2009, 2010) in Canada and South Africa.

I was directly involved with managing of the 2015 summer work program on the Midlothian Property (June 24-July 2).

Dated at Vancouver, British Columbia, this 18th day of September, 2015.

#06962

Ronald Voordouw, Ph.D., P.Geo