Report of Assessment Work

on the

Riverbank Property

McFaulds Lake Area

Northern Ontario

for

Melkior Resources Inc.

Joe Campbell, P.Geo

January 20, 2012

Table of Contents

Page

List of Figures

List of Tables

List of Plates

Appendices

1.0 SUMMARY

This Report provides a summary of a drill program on the Riverbank property in August, 2011. Melkior Resources Inc. (Melkior) drilled one hole totaling 216 meters. The drill hole was following up on Airborne EM anomalies. The drill program was conducted under the supervision of GeoVector Management Inc. (GeoVector), and diamond drilling management, logging and sampling was carried out by Mr. J. Ian Lawyer, P. Geo and Dr. Eric Hebert, P.Geo, both employees of GeoVector and under the supervision of Mr. Joe Campbell, President of GeoVector.

Melkior acquired four properties that were staked in the area because they are underlain by anomalous gravity highs. These anomalous gravity highs are postulated to be due to mafic or ultramafic intrusions or to be layered mafic-ultramafic Igneous Complexes. (Other anomalous gravity highs in the general area are associated with layered mafic-ultramafic Igneous Complexes and include: Big Trout Lake Igneous Complex, Lansdowne House Igneous Complex, and Fishtrap Lake Igneous Complex). These anomalous gravity highs and their postulated large intrusions are proximal to known nickel-copper sulphide mineralization in ultramafic rocks at the Double Eagle discovery of Noront Resources Ltd. Mafic or ultramafic intrusions on the properties, if present, would thus be expected to have significant potential to host magmatic nickel-copper sulphide mineralization. The situation could be analogous to Sudbury and the Voisey's Bay deposit, with the properties possibly covering a large mafic/ultramafic intrusion or intrusions, possibly with associated mineralization. Although the potential for nickel-copper PGE deposits is considered excellent, the properties also have potential to host massive chromite, Volcanic Massive Sulfide deposits and diamond bearing kimberlite.

This Report provides a summary of the historic exploration work including information obtained through field visits to the Properties between August 29 and September 1st, 2008 and a helicopter borne magnetic and Versatile Time Domain EM (V-TEM) survey flown over the property between May 18th and May 27th, 2010 and reported by Geotech Ltd. in August 2010. In August, 2011, Melkior Resources Inc. drilled one hole totaling 216 metres at the Riverbank property (Hebert, 2011).

2.0 INTRODUCTION

Melkior Resources Inc. (Melkior) acquired four properties in the McFauld's Lake area of the James Bay lowlands of northern Ontario, an area known in the mining industry as the "Ring of Fire". The properties were named the East Rim, L Claims, Broke Back, and Riverbank properties. This report concerns a drilling program carried out in August 2011 on the Riverbank property which is owned 100% by Melkior Inc. subject to a 2% NSR divided up as follows: GeoVector Management Inc. 0.5%; Norman Farrell: 0.0625%; North American Exploration Ltd.: 0.365%; Wade Kornik: 0.05%; Nathalie Hansen: 0.05%; and Geotest Corporation: 0.9725%.

The Property represents very early stage, completely conceptual targets within and adjacent to the so-called "Ring of Fire" in northern Ontario, presently one of the most active exploration regions in Canada. The targets were developed by GeoVector, an Ottawa-based geo-consulting firm, in conjunction with Geotest Corporation (Geotest), a private exploration company. The targets were then staked by a consortium that included GeoVector, GeoTest and two directors of Melkior.

The 1983 North American Datum (NAD83) co-ordinate system is used in this report. The Properties are in Universal Transverse Mercator (UTM) Zone 16N. Assessment reports cited in the references are

available on the website of the Ontario Ministry of Northern Development and Mines (www.geologyontario.mndm.gov.on.ca). The AFRI (Assessment File Research Imaging) number is provided for each assessment report. All monetary figures quoted in this report are in Canadian dollars.

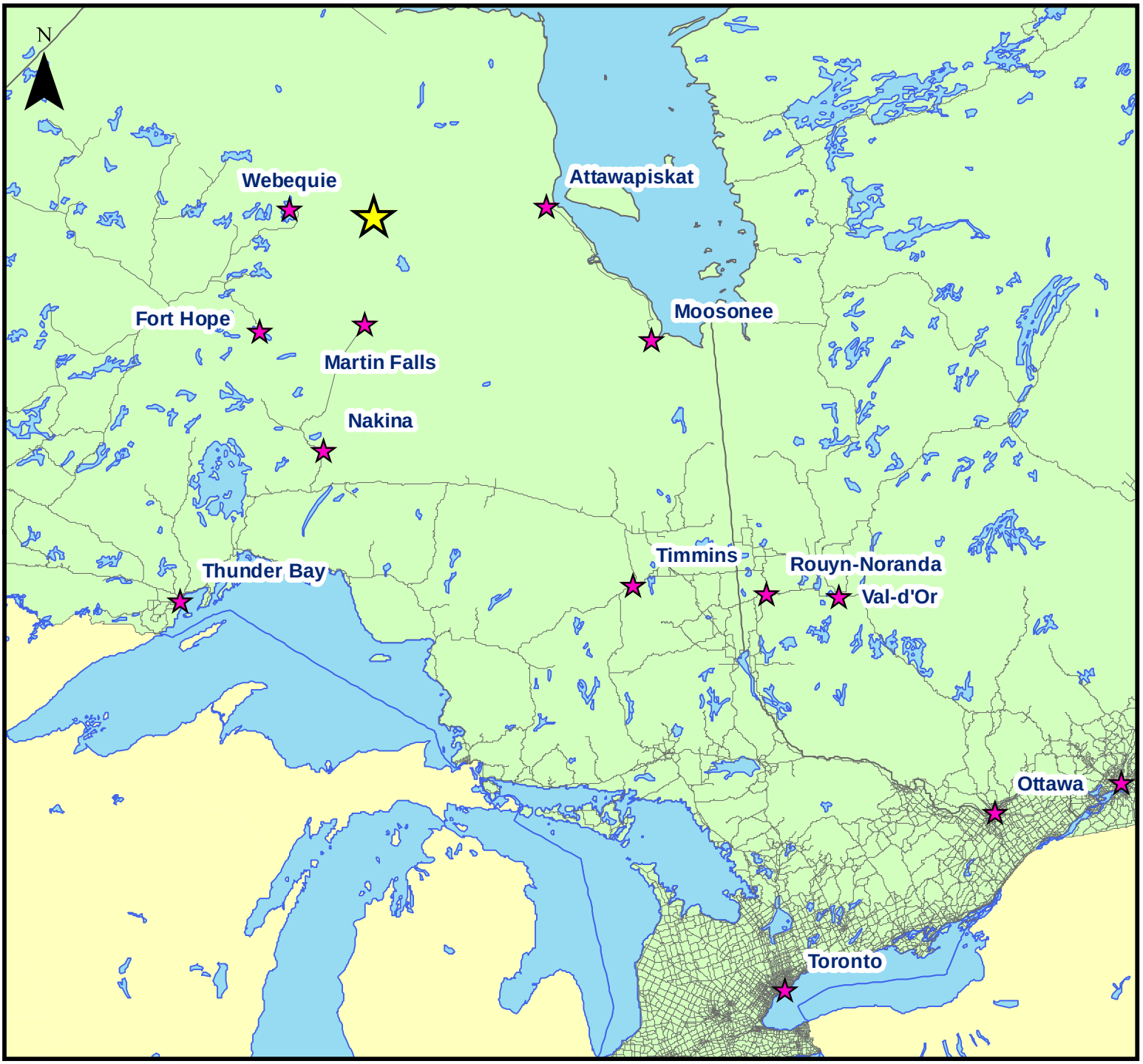
3.0 PROPERTY DESCRIPTION AND LOCATION

The Property occurs in the James Bay Lowlands of northern Ontario (**Figure 1**), in the Porcupine Mining District and occur on basemap areas (BMA) 528854 (**Figure 2)**. The center of the Riverbank Property (85^0 53' longitude and 52^0 54' latitude), is located approximately 100 km east of the First Nations community of Webequie and consists of 8 claims totaling 93 claim units and covering 1488 ha (**Figure 3**, **Table 1**). The property consists of unpatented and un-surveyed claims owned by Melkior Resources Inc.

The mineral rights give the owners the right to explore for ore on the claims, subject to a 400' surface rights reservation around all lakes and rivers, and a 300' surface reservation around major roads (this may be waived by the Crown). Unpatented claims require work expenditures of at least $400 per 16 hectare claim unit in the first two years, and $400 per year thereafter (by the anniversary of their recording date). Permits will not be necessary for most exploration work, but it will be necessary to consult with local First Nations organizations regarding proposed exploration programs.

4.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

Vegetation in the area is typical for an area located along the fringe of the Boreal Forest, with tree cover being sparse and stunted except along rivers, creeks and ponds. The dominant species include black spruce, tamarack and lesser quantities of balsam, birch, jack pine and poplar. Caribou mosses occur on the rare outcrops and as soft hummocks. Small groves of poplar are also present in well-drained areas.



200 100 0 200
Kilometres

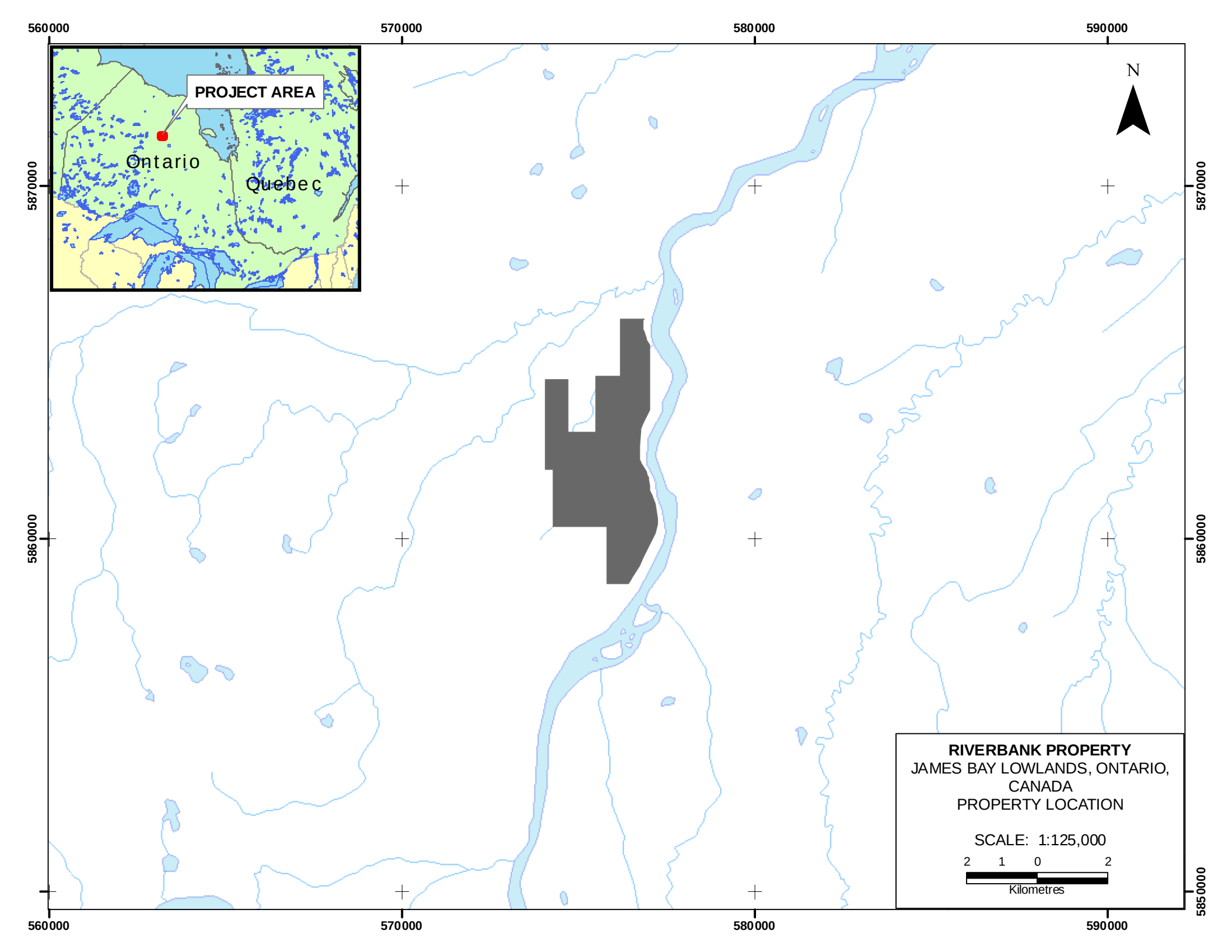
Riverbank Property

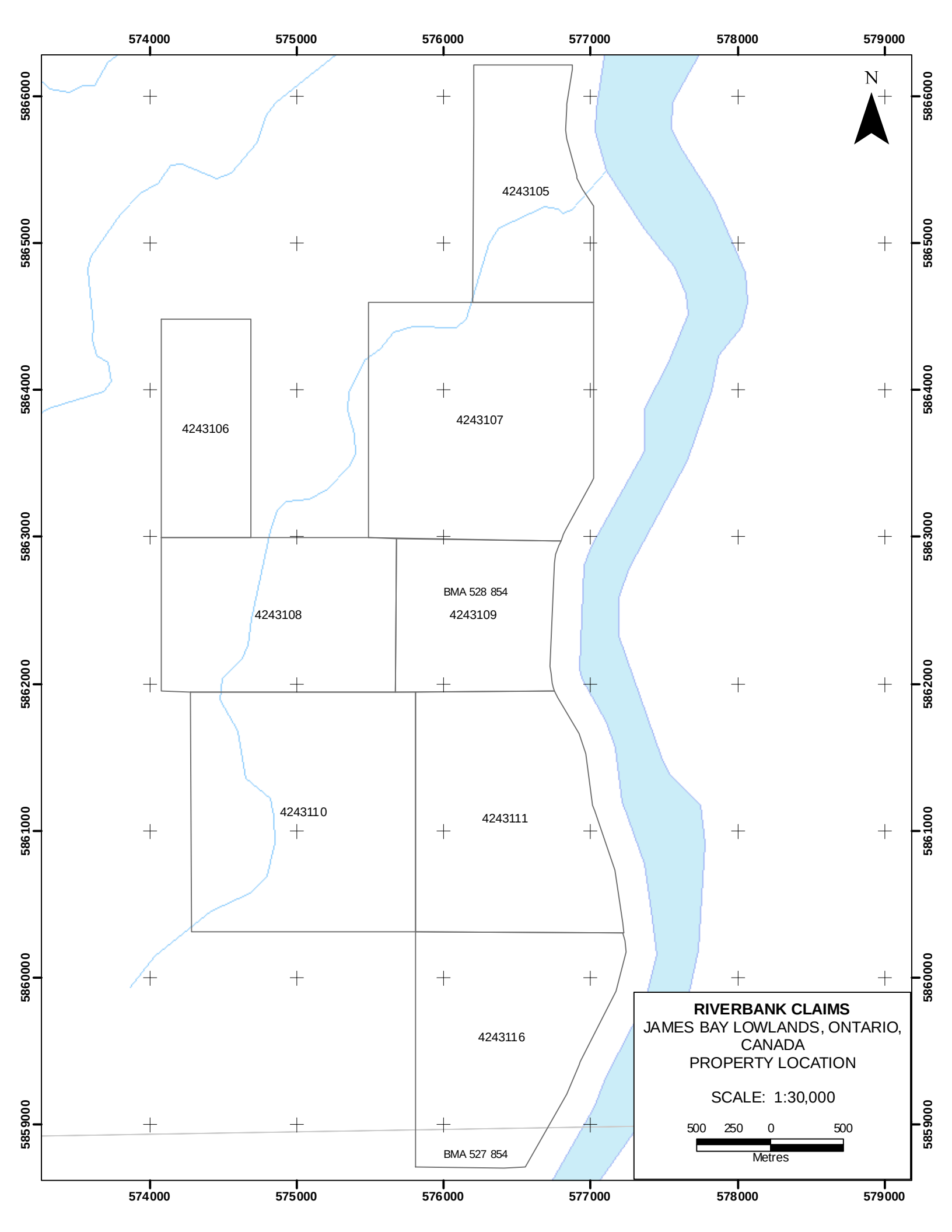
Town

Road

MELKIOR RESOURCES INC.

RIVERBANK PROPERTY MAP
MCFAULDS PROJECT
JAMESBAY LOWLANDS
ONTARIO CANADA


560000
570000
580000
590000
5870000
5860000
5850000
PROJECT AREA
Ontario
Quebec
N
RIVERBANK PROPERTY
JAMES BAY LOWLANDS, ONTARIO, CANADA
PROPERTY LOCATION
SCALE: 1:125,000
2 1 0 2
Kilometres


574000
575000
576000
577000
578000
579000
5866000
5865000
5864000
5863000
5862000
5861000
5860000
5859000
N
4243105
4243106
4243107
4243108
BMA 528 854
4243109
4243110
4243111
4243116
BMA 527 854
RIVERBANK CLAIMS
JAMES BAY LOWLANDS, ONTARIO, CANADA
PROPERTY LOCATION
SCALE: 1:30,000
500 250 0 500
Metres

Township/ Area	Claim Number	Units	Recording Date	Claim Due Date	Status	Percent Option	Work Required	Total Applied	Total Reserve	Claim Bank
BMA 528 854	4243105	9	2008-Jun-20	2012-Mar-20	A	100%	$3,600	$3,600	$0	$0
BMA 528 854	4243106	12	2008-Jun-20	2012-Jan-31	A	100%	$4,800	$0	$365	$0
BMA 528 854	4243107	15	2008-Jun-20	2012-Mar-20	A	100%	$6,000	$6,000	$0	$0
BMA 528 854	4243108	10	2008-Jun-20	2012-Mar-20	A	100%	$4,000	$4,000	$0	$0
BMA 528 854	4243109	7	2008-Jun-20	2012-Mar-20	A	100%	$2,800	$2,800	$0	$0
BMA 528 854	4243110	16	2008-Jun-20	2012-Mar-20	A	100%	$6,400	$6,400	$0	$0
BMA 528 854	4243111	12	2008-Jun-20	2012-Mar-20	A	100%	$4,800	$4,800	$0	$0
BMA 528 854	4243116	12	2008-Jun-20	2012-Mar-20	A	100%	$4,800	$4,800	$0	$0
Total	8	93								

Plate 1 – Photo of typical terrane on the property

The property lies within the James Bay Lowlands of northern Ontario. The lowlands are characterized by a plain of low relief with virtually all the land having elevations between sea level and 200 m ASL. The land tilts slightly, and all drainages head north-northeast towards James Bay and Hudson Bay. The Properties occur some 250 km from James Bay (Figure 1), and have elevations in the 160 to 175 m ASL range. Drainage is very poor, and the Properties are dominated by wet muskeg/peat swamps and drunken forests (**Plate 1**). Peat swamps are largely treeless except around the very rare outcrops (as hillocks) and moraine ridges, and along the slopes beside the larger rivers where tree roots can be drained, allowing them to survive. Several small lakes occur on each property and the Attawapiskat River borders the Riverbank property.

The James Bay Lowlands are isolated and difficult to access. Exploration on the Properties would have to be conducted out of Webequie, or out of a camp built on site or from a cost-shared central camp. There is scheduled air access to Webequie on Wasaya Airways and North American Charters (NAC). The best supply towns are Nakina and Hearst; supplies can be trucked to these two towns and then flown out by aircraft to the project site or by wheeled aircraft to Webequie. Helicopters are necessary to access and travel around the property.

The climate is sub arctic in nature, with short cool summers and severely cold winters. Mean annual winter temperatures are approximately -18°C, and average summer temperatures are 11°C. Annual precipitation is on the order of 800 mm. Typical winter snowfalls average 1 m. Winter whiteout conditions can develop without warning and may last for several days. A low ceiling of stratus clouds makes whiteout conditions general, and movement across the ground then becomes difficult. During the spring thaw, the area is almost completely flooded, resulting in shallow lakes, some of which are marked on government maps. At this time, there is a six to eight week period when surface work is virtually impossible.

The full range of equipment, supplies and services that are required for any exploration and mining work have to be flown in by aircraft. Local labor is available from First Nations towns in the district, but exploration and mining expertise has to be contracted from elsewhere.

Active exploration such as diamond drilling and ground geophysics is generally carried out in the winter, when peat swamps and lakes are frozen. Drilling during the summer requires the construction of drill pads on the peat swamps and/or small light drill equipment with limited depth penetration. There is very little surface outcrop, due to the greater than 6 m deep peat layer, thus exploration is almost entirely dependent on airborne geophysical target selection and prospecting along the major rivers. Suitable locations for tailings ponds, waste disposal areas and processing facilities are abundant on the Properties.

5.0 HISTORY

In 1996, KWG Resources Inc. carried out a helicopter supported heavy mineral-geochemical survey over a 1300 km^2 region of northern Ontario and located between latitudes 52^0 N and 54^0N and longitudes 85^0W and 87^0W. The Survey was named "Spider 3" and covered the upper parts of the Winiskisis Channel and the Ekwan, Muketei and Attawapiskat rivers. 626 samples were collected from modern alluvium, till, and glaciofluvial materials. The resulting data was purchased by the Ontario Geological Survey and was published in 2003 as Open file Report 6097 by (Crabtree and Gleeson 2003). During the summer of 2001 the Ontario Geological Survey collected modern alluvium samples in the James Bay Lowlands from south of the Albany river to as far as the Sutton Inlier and stretching westward to Attawapiskat Lake. The results were released in OGS Open File Report 6108 (Crabtree, 2003).

A review of the data from Open File Report 6097 indicated that 26 Areas of interest were identified in the survey area based on results from both the -80 mesh bulk sample and the -60 mesh nonmagnetic tabled concentrate.

The discovery of Jurassic kimberlites in the Attawapiskat River Area in the 1980s lead to speculation the area could host other diamond bearing kimberlites and a stream sediment sampling program was designed to sample all of the major rivers in the James Bay Lowlands Region in the summer of 2001. 1083 samples were collected over an area of approximately 100,000 km^2 and Open File Report 6108 (Crabtree, 2003) released the preliminary data from this survey. As part of the stream sediment sampling program for kimberlite indicator minerals (KIMS) samples were also examined for Metamorphic Magmatic Massive Sulphide Indicators (MMSIMs). Metamorphic/Magmatic Massive Sulphide Indicators (MMSIMs) are stable heavy minerals that occur in alteration haloes associated with volcanogenic massive sulfide deposits in high grade terrains, in magmatic Ni-Cu deposits and in skarn and greisen deposits (Averill, 1999).

6.0 GEOLOGICAL SETTING and MINERALIZATION

Due to the remoteness of the properties and the paucity of outcrop the geological setting is poorly understood. In general the Properties are considered to lie within the eastern portion of the Sachigo Subprovince of northern Ontario (**Figure 4**; Thurston et al., 1991). The Sachigo Subprovince is overlain to the east by a sequence of Paleozoic sedimentary rocks (dolomite, shale, sandstone) which

thickens gently to the east. The Sachigo Subprovince contains various greenstone belts sitting with granitic gneiss of the Berens River Gneiss complex. The greenstone in the area of the Properties may be an extension of the Big Trout greenstone belt; Rayner and Stott (2005) have introduced the term *Kasabonika-McFaulds* greenstone belt for these rocks.

The main government mapping in this region was a brief helicopter reconnaissance program conducted in 1971 (Thurston et al., 1979). Ontario Geological Survey regional maps based on this mapping show that the extreme south east of the Broke Back property are nominally underlain by Archean mafic to ultramafic rocks, with gneissic tonalite underlying the rest of the properties (Ontario Geological Survey, 2006;. The mafic/ultramafic rocks are not present on the map of Thurston et al. (1979), and may be an interpretation added to the regional maps based on magnetic data. Regional geological data shows that the Riverbank property is underlain predominantly by the Upper Ordovician Red Head Rapids Formation and in the northwest by the Churchill River Group. There are no known mineral resources, mineral reserves, or mine workings on the Properties.

The Properties occur proximal to the greenstone belt containing the Double Eagle nickel-copper-PGE deposit owned by Noront Resources Ltd. (As previously announced on July 4, 2008, http://www.norontresources.com/News/PressReleaseDetails/77 the Eagle One Deposit currently hosts an indicated resource of 1.83 million tonnes averaging 1.96% nickel, 1.18% copper, 1.12 g/t Pt, 3.91 g/t Pd, as well as an inferred resource of 1.09 million tonnes averaging 2.39% nickel, 1.27% copper, 1.37 g/t Pt and 4.5 g/t Pd,. (The authors have been unable to verify this information and the information is not necessarily indicative of the same mineralization occurring on the Properties); the AT2 nickel-copper and Eagle 2 nickel-copper occurrences, numerous volcanogenic massive sulfide (VMS) occurrences and the Blackbird One, Big Daddy and Black Thor chromite occurrences.

The following paragraph is taken from the Noront Resources website:
http://www.norontresources.com/Projects/Ring_Of_Fire/Blackbird_One/Mineralization/
"*In the winter of 2008, Noront encountered massive chromitite mineralization in boreholes drilled to test airborne anomaly AT2 on the Double Eagle Property. Drill holes encountered extensive Ni-rich sulphide mineralization hosted by shear zones parallel to the contact between the ultramafic rocks and their felsic plutonic (granodiorite, sensulato) host rocks. The sulphide deposit at the AT2 anomaly area was named the Eagle Two deposit. Below the Eagle Two shear-hosted sulphide deposit the drilling unexpectedly intersected chromite mineralization. The chromite mineralization has been named the Blackbird One Deposit. Blackbird One mineralization consists of massive chromitite layers interbedded with chromite-rich meta-dunite, now entirely replaced by talc carbonate minerals, chromite, and minor ferrochrome overgrowths. Several drill holes intersected massive chromitite mineralization. The layers vary widely in thickness, from centimetres on the margins of the Blackbird One deposit to continuous massive chromitite intersections approaching true thicknesses of 30 metres at its central axis.*

The chromitite mineralization does not have a notably strong magnetic susceptibility, compared with serpentinized dunite and peridotite which are both common in the area around Eagle One, Eagle Two, and the Blackbird One Deposits. Chromite is an electrical insulator hence there is no EM expression from the chromite deposit despite the presence of traces of interstitial sulfide minerals in the massive chromitite. A useful characteristic of chromite is its high density, around 4.5, which is similar to that of magnetite and pyrrhotite. Massive chromite therefore has an anomalously high density compared even with ultramafic rocks and is detectable by gravity survey when it exists in sufficient tonnages." The authors have been unable to verify this information and the information is not necessarily indicative of

the same mineralization occurring on the Properties that are the subject of this technical report;

The area also contains the seven closely spaced McFauld's Lake copper-zinc volcanogenic massive sulphide (VMS) occurrences owned in a joint venture by Spider Resources Inc. and KWG Resources Inc. (Figure 23). Assays from drill holes testing these occurrences include 18.0 m @ 5.88% Zn and 0.61% Cu (News Release dated October 28, 2003) and 4.63 m @ 10.4% Cu and 0.86% Zn (Burns, 2004). The authors have been unable to verify this information and the information is not necessarily indicative of the mineralization on the properties that is the subject of the technical report.

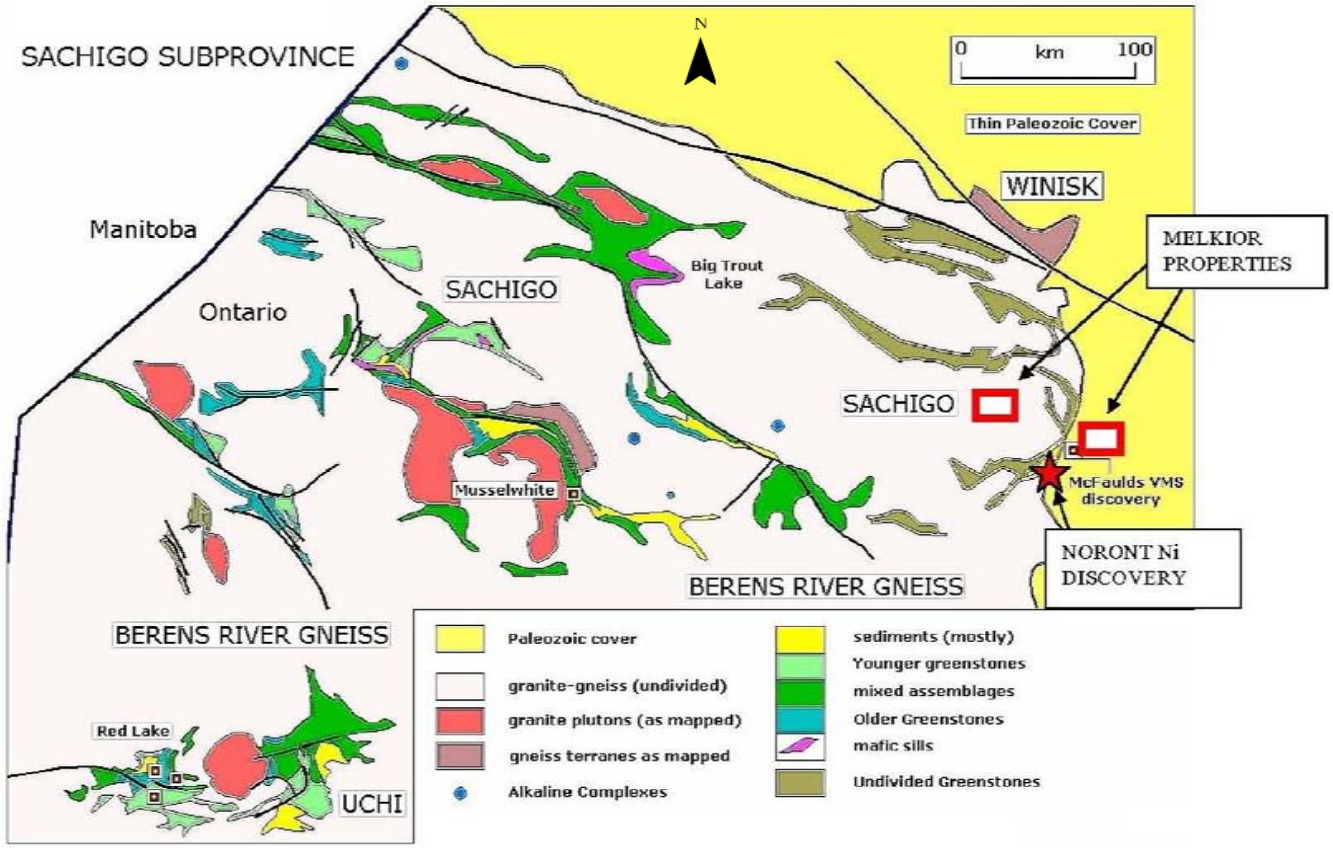
In addition to the major discoveries by Noront and KWG/Spider, there have been several other notable occurrences found by drilling, including VMS style Zn-Cu mineralization found by Macdonald on its McNugget property in the far southwest of the belt; the Probe Mines Ltd/Mantis Mineral Corp/Tamarack Cu-Zn VMS discovery north of the McFauld's Lake VMS; the WSR/Metalex/Arctic Star Cu-Zn VMS discovery on the north limb of the belt; and the Kyle Lake kimberlite pipe discoveries by Spider/KWG/Renforth east and northeast of the greenstone belt. Several gravity high signatures associated with Large Igneous Complexes and are located in the area and most of these Large Igneous complexes are being actively explored for both Ni-Cu and or PGE.

The greenstone belt that hosts the Noront discovery and the McFauld's Lake VMS occurrences is identifiable on regional geology and airborne magnetic maps, and forms an almost completely circular feature, the so-called Ring of Fire. Virtually all of this belt of rocks and most of the adjacent magnetic and gravity high signatures associated with it have been staked recently by numerous mining companies. Staking defines an incomplete ring up to 25 km across, with a collective strike length of 150 km.

7.0 DEPOSIT TYPES

The Properties were staked because of their perceived potential to host magmatic nickel-copper ± Platinum Group Element (PGE) deposits. These deposits occur as metal-bearing sulphide concentrations associated with a variety of mafic and ultramafic magmatic rocks (Eckstrand and Hulbert, 2007). Ore metals come from the magma, and some or all of the sulphur comes from country rocks (Arndt et al., 2005). The sulphides form immiscible droplets within a magmatic plumbing system; these droplets sink to the base of the magma because of their greater density, in an ideal case forming ore grade deposits. The overall magmatic system may be quite complicated, with ore potentially forming in a variety of geologic environments; (Perring et al., 2001). These environments include meteorite-impact generated mafic melt (i.e. Sudbury), rift or continental basalt-related mafic sills or dikes, komatiitic flows or intrusions, or other mid-crustal mafic/ultramafic intrusions (Eckstrand and Hulbert, 2007). Ore may be associated with the remnant magma chambers or may occur in smaller horizontal to vertical conduits (dikes, sills or offshoots). Sulphide concentrations formed by the gravity-induced settling of sulphide droplets tend to be semi-massive to massive in nature; concentrations formed by fractional crystallization of the magma tend to be disseminated and lower grade. It is common for magmatic nickel-copper sulphide deposits to occur in large districts which contain a number of deposits (Eckstrand and Hulbert, 2007).

The first objective of exploration for magmatic nickel-copper deposits is to identify regions that host mafic/ultramafic bodies (Eckstrand and Hulbert, 2007). This may be possible from examination of geological maps. Mafic/ultramafic bodies are invariably denser than their host rocks, and so if they are



Geology of Northern Ontario. Modified After Thurston et al. (1991).

of sufficient size they are likely to produce gravity anomalies. The bodies may also contain enough primary magnetite to cause magnetic anomalies, but alteration may easily affect the magnetic signature. In a mature exploration district, a detailed understanding of the magmatic plumbing system is helpful, but in an immature exploration district such an understanding is not likely to be present. Ore may be present in magmatic bodies that are localized by structures, or ore may have been remobilized into structures, so an understanding of the structural scenario is desirable and this can typically be aided by regional magnetic data. Direct detection of the ore by geophysical means may be possible. If the orebodies contain sufficient pyrrhotite or magnetite, they may be magnetic. If the sulphides are interconnected (semi-massive to massive ore), they will likely form conductors that can be detected with electromagnetic (EM) techniques-thus EM is a useful exploration tool. If the sulphides are not interconnected (disseminated ore), they may still exist in sufficient abundance to respond to Induced Polarization (IP) techniques.

8.0 EXPLORATION

GeoVector/Geotest developed the concepts which underpin acquisition of the Properties; these concepts are highly relevant to this report and so are discussed herein. Regional geological maps of the McFauld's Lake area contain little in the way of well documented mafic/ultramafic bodies, so until recently this area had not been explored for its nickel potential. However in September 2007, Noront Resources Ltd. announced its Double Eagle discovery, which contains massive sulphides (chalcopyrite-pyrrhotite-pentlandite) within a peridotite body. This discovery showed that i) ultramafic bodies occur in the McFauld's Lake area; and ii) that the processes which result in the concentration of significant amounts of nickel-copper sulphide were operative. This discovery, with the very real possibility that Double Eagle would be the first deposit to be found within a new nickel district, led to a major staking rush. In addition to the Double Eagle discovery, major drill intersections of massive chromite have also been discovered.

During initial targeting of the McFauld's Lake area, GeoVector/Geotest concentrated on the gravity data, on the assumption that major mafic/ultramafic bodies would produce significant positive gravity anomalies. Gravity data was initially collected by the Geological Survey of Canada, but reprocessed by the Ontario Geological Survey (Ontario Geological Survey, 1999). Survey points in the area are at approximately 12 km spacing-not ideal, but sufficient for regional evaluation. On a gravity map of Ontario, it is clear that there are major positive gravity anomalies in the McFauld's Lake area. Furthermore, the Noront discovery is not associated with a known gravity anomaly, and adjacent staking had concentrated on extensions of the Double Eagle stratigraphy based on magnetic data. Two aerially extensive gravity signatures were targeted for staking and the properties cover the bulk of these signatures. Based on available magnetic data (Ontario Geological Survey, 2003), the Broke Back properties contain significant magnetic signatures.

Based on the gravity signatures, GeoVector/Geotest believes that there is a strong possibility that the properties are at least partially underlain by significant volumes of dense, mafic or ultramafic rocks. Based on the geophysical data and what is presently known about the size of the ultramafic body at Double Eagle, it is possible that a Sudbury analogy might apply in this area; (cf. Ames and Farrow, 2007). In this scenario, the Double Eagle mineralization would occur within an ultramafic body that is an offshoot from a much larger mafic/ultramafic complex that is reflected by one or both of the positive gravity signatures that underlie the properties. These postulated large complexes have the potential to host major nickel-copper, PGE and chromite deposits, particularly as the McFauld's Lake area has already proven its potential to host concentrations of nickel-copper, PGE and chromite.

The positive gravity signatures which underlie the properties resemble other positive gravity signatures located in and around the Noront Eagle One deposit. These gravity signatures stretch from the Big Trout Lake Igneous Complex located 225km northwest of the West Rim Property and continue in a roughly southeast trend along a major fault and include the Lansdowne House Igneous Complex, Fishtrap Lake Igneous Complex. Several of these complexes host layered mafic and ultramafic sequences which host Ni-Cu, PGE, vanadium and chromite rich horizons. Many of the complexes are comprised of intrusives and associated volcanic sequences with several being overturned and folded. This structural deformation, uplift and later erosion leaves variations in the magnetic signatures of each of the complexes as can be seen in the government airborne magnetic data. Horizons rich in oxides and ultramafic intrusives provide a strong magnetic response, however away from the magnetite rich horizons the magnetic signatures are diminished even though the Igneous Complex is still present. One common geophysical signature over all of these Igneous Complexes is their striking gravity high signatures which are an indication of the difference in density related to the presence of a thick package of ultramafic and mafic intrusives or the presence of a Large Igneous Complex.

During May 18th to May 27th, 2010 Geotech Ltd. carried out a helicopter-borne geophysical survey for Melkior Resources Inc. over the Broke Back and Riverbank properties situated near McFaulds Lake, Ontario, Canada. Principal geophysical sensors included a versatile time domain electromagnetic (VTEM) system and a caesium magnetometer. The VTEM response showed a number of conductors of potential exploration interest.

9.0 2011 DRILLING

One hole totalling 216 meters was drilled on the Riverbank property during August of 2011 using diamond coring equipment supplied by Orbit Drilling Inc. The hole was drilled to test geophysical targets described above. Drilling of the hole was done by a sub-contractor, Orbit Drilling Inc. Logging and program management was by GeoVector Management Inc. The camp facility was managed by Billiken and transportation was provided by Expedition Helicopter (drill and crew moves) and Leuenberger Air service (for charter and supplies).

Access to the drill site was via helicopter and adequate pads were cut using chain saws for the drill site and the helicopter landing site. The drilling procedures include a NW casing through the overburden and the use of NQ bits where hard rock was encountered. Most holes were collared in large swamp areas which made it quite difficult to access solid ground to set-up the drill and equipment without sinking. The holes' position, length, orientation and inclination are contained in Table 2 below.

TABLE 2 Drill Hole Location and Orientation

Hole #	UTM NAD 83 Easting	UTM NAD 83 Northing	Elevation (meters)	Depth (meters)	Azimuth	Dip
RB-02-2011	576910	5864815	145	216	270	-60

The core was delivered daily from the drill site to the Billiken camp, transported by helicopter. All the preparation work and logging were done at the Billiken camp, where a core logging facility, core saw and storage for the core and the technical personnel were provided. The core was systematically photographed, technically prepared and logged, including core rotation, rock quality description

(RQD), recovery measurement, continuous measurements of magnetic susceptibility and conductivity. For each core run (i.e. 3 metres), a rock quality description (RQD) and recovery were measured; the overall recovery was excellent with the exception of a few blocky areas near the Palaeozoic cover boundary which was poorly recovered.

For the drill core, sample intervals of the relevant zones were marked and numbered in advance by the geologists. The sample lengths were between 0.50 and 1.00 metres and there is no overlapping from one rock unit to another within an individual sample interval. The choice of sample interval is based as much as possible on the geological contacts and features, such as mineralization, alteration and density of veins. Shoulders of one or two samples were taken on both sides of relevant mineralized zones. The core was sawn in half by Billiken technical personnel following the geologist's instructions. The cut samples were bagged and labelled at the camp and the bags were sent to the laboratory in sealed plastic buckets. The other half of the core remains as witness in their original core boxes and stored on site for future reference. Systematic blanks, standards and duplicates were inserted at regular intervals into the sequence of samples as a quality control. The duplicates were quarter core from the half core already set apart for sampling; that way the witness half would not be affected and could remain intact in the original box. Multi-element assays were performed at Activation Laboratories Ltd in Thunder Bay, Ontario Whole rock assays were also taken in some units where they were relevant. The whole rock samples were submitted for analysis using Inductively Coupled Plasma for 50 major and minor elements. The blanks were provided by Billiken and came from an existing core of granite with no visible sulphide.

The hole intersected sulphide mineralization and concentration of pyrrhotite in intrusive volcanic and sedimentary rock explaining the EM conductors. No significant base metal mineralized zones were encountered. A total of 40 samples (36 core intervals, 2 duplicate core intervals, 1 reference standard and 1 blank) were taken for analyses on the hole drilled on the L Claim property. The core samples represent a total length of 46.50 metres.

The diamond drill core samples collected during the August 2011 drilling campaign were sent to Activation Laboratories Ltd facility in Thunder Bay, Ontario. Sample preparation included crushing of the entire sample to a nominal minus 10 mesh (1.7 millimetre), followed by mechanical splitting (riffle) to obtain a representative sub-sample. The sub-sample is pulverized to at least 95% minus 150 mesh (105 microns) and then sent for assay by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS) on a representative 30 gram sub-sample for 60 elements common in exploration (including gold). Laboratory protocol ensures that the instruments for crushing and pulverization are cleaned between each sample using sterile sand. Activation Laboratories Ltd is accredited by international standards, the ISO 17025 standard for specific registered tests. Activation Laboratories Ltd is also accredited by CAN-P-1579, specific to mineral analysis laboratories.

The all up cost for the drill program was $640.51 per meter, including direct drill cost, helicopter costs, camp accommodation, transport, and technical management. The total cost was $138,349.23. For a helicopter supported program based out of a float plane accessible camp total drill costs are expected to be high. In the case of this program the cost of the drilling was significantly increased as the Martin Falls First Nations ordered all night time drilling to cease. This resulted in the program requiring a 2nd drill to be mobilized to site, field delay stoppages in work when moves could not be completed during daylight hours, and increased costs due to overall lengthening of the program.

10.0 INTERPRETATION AND CONCLUSIONS

The properties of the McFaulds Lake were staked because they are underlain by anomalous gravity highs, as shown in regional data. These gravity highs are postulated to be mafic or ultramafic intrusions. These postulated intrusions are proximal to known nickel-copper sulphide mineralization and massive chromitite mineralization in ultramafic rocks at the Double Eagle and Black Bird discoveries of Noront.

The intrusions interpreted to exist on the property would thus be expected to have significant potential to host magmatic nickel-copper-PGE or massive chromitite mineralization. The situation could be analogous to Sudbury, with one or all of the subject properties hosting a large mafic/ultramafic intrusion, possibly with associated mineralization, and the Double Eagle discovery occurring in an offshoot position with respect to this intrusion.

Geophysical surveying of the Riverbank block has identified three conductors that warrant follow up ground electromagnetic surveying and diamond drilling. RB-02-2011 drilled one conductor and intersected massive to near massive pyrrhotite units and a 10m zone of ankerite and pyrite mineralization which may host Archean mesothermal gold mineralization.

11.0 RECOMMENDATIONS

Given the scarcity of outcrop and the effectiveness of geophysical surveying as an exploration tool, the following exploration programs are recommended as a follow-up to the VTEM and airborne magnetic surveying over the Riverbank property.

Airborne VTEM targets A and C (Hogg, 2010) should be surveyed via ground electromagnetic to identify the exact location of the drill targets. Ground geophysics will cost an estimated **$110,000.** Follow-up drilling on these conductors would be two 200 m long holes for a total of 400 m. It is recommended that a contingency amount of $40,000 be in place in order to follow up positive drill intersections with an additional hole. The cost of this drilling would be **$300,000**. The total recommended expenditures on this property are **$410,000**.

12.0 REFERENCES

Ames, D.E. and Farrow, C.E.G. 2007. Metallogeny of the Sudbury Mining Camp, Ontario. *In*: Goodfellow, W.D. ed. Mineral Deposits of Canada: A Synthesis of Major Deposit Types, District Metallogeny, the Evolution of Geological Provinces and Exploration Methods. Geological Association of Canada, Mineral Deposits Division, Special Publication No. 5, pp.329-350.

Arndt, N.T., Lesher, C.M. and Czamanske, G.K. 2005. Mantle-derived magmas and magmatic Ni-Cu-(PGE) deposits. Economic Geology 100th Anniversary Volume, pp.5-23.

Burns, J.G. 2004. Report of Drilling on the McFaulds Lake Property, Porcupine Mining Division, Ontario. Assessment Report, Spider Resources Inc. and KWG Resources Inc. (AFRI File No. 43C13NW2001), 10 p.

Crabtree, D.C. 2003. Preliminary Results from the James Bay Lowland Indicator Mineral Sampling Program. Ontario Geological Survey, Open File Report 6108, 115p.

Crabtree D.C. and Gleeson C.F. 2003. Results of the "Spider 3" regional kimberlite indicator mineral and geochemistry survey carried out in the vicinity of the upper Attawapiskat and Ekwan rivers, Northern Ontario, Ontario Geological Survey, Open File Report 6097, 127p.

Eckstrand, O.R. and Hulbert, L.J. 2007. Magmatic Nickel-Copper-Platinum Group Element Deposits. *In*: Goodfellow, W.D. ed. Mineral Deposits of Canada: A Synthesis of Major Deposit Types, District Metallogeny, the Evolution of Geological Provinces and Exploration Methods. Geological Association of Canada, Mineral Deposits Division, Special Publication No. 5, pp.205-222.

Gregory, P. 2004. Qualifying Report on the Metalex Exploration Properties at Attawapiskat, Ontario, Canada. 25p.

Hall, D. C. 2008. Report on the Petrography of 12 samples prepared by Douglas C. Hall Ph.D., Senior X-Ray Microanalyst, Microscopy and Microanalysis Facility. University of New Brunswick, Fredericton New Brunswick.

Hebert, Dr. E. 2011.Riverbank and Broke Back Drilling program.Internal Melkior Inc. Memorandum. September 18, 2011.

Hogg, R.L.S. 2010. Scott Hogg and Associates Ltd. Interpretation Report for the Geotech VTEM and Magnetic Helicopter Geophysical Surveys of the Broke Back and Riverbank Blocks McFauld's Lake Area Ontario, Canada on behalf of Melkior Resources Inc. 23p,

Lawyer, J.I. 2009. Qualifying Report on the West Rim Nickel Property McFauld's Lake Area NTS 43D and 43E, Northern Ontario for Melkior Resource and (Landen Capital Corporation). 43p.

Mazur R. J. 2002. Aurora Platinum Corp. Lansdowne House property Bartman Lake Northwestern Ontario.National Instrument 43-101F1 Technical Report, 40p.

Munro, S.S. 1997a. Report on Two Diamond Drill Holes DR95-44 and DR95-45 by Midwest Drilling for KWG Resources on Claim 1160171, September 1995.Assessment Report, KWG Resources Inc. (AFRI File No. 43C13SE0001), 6 p.

Munro, S.S. 1997b. Report on Diamond Drill Hole DR96-60 by Midwest Drilling for KWG Resources on Claim 1204029, September 1996. Assessment Report, KWG Resources Inc. (AFRI File No. 43C13NE0001), 6 p.

Ontario Geological Survey. 1999. Single Master Gravity and Magnetic Data for Ontario. Ontario Geological Survey, Geophysical Data Sets 1035 and 1036.

Ontario Geological Survey. 2003. Ontario Airborne Geophysical Surveys, Magnetic Data, Attawapiskat Area. Ontario Geological Survey, Geophysical Data Set 1211.

Ontario Geological Survey. 2006. 1:250,000 Scale Bedrock Geology of Ontario. Miscellaneous Release-Data (MRD) 126.

Osmani, I.A. 2002. 2001 Exploration Program Lansdowne House Property Bartman Lake Area Northwestern Ontario, NTS Map Sheets 43D/5,6,11,and 12. Assessment Report, Aurora Platinum Corporation. (AFRI File No. 43D11SW2001), 66p.

Perring, C., Barnes, S. and Hill, R. 2001. Genetic Models & Exploration for Nickel Ores. www.em.csiro.au/news/facts/nickel/ni_models.htm

Rayner, N. and Stott, G.M. 2005. Discrimination of Archean Domains in the SachigoSubprovince. Ontario Geological Survey poster, Northwest Mines and Minerals Symposium, Thunder Bay, Ontario, April 5-6.

Sharp B. 2008.Magnetic and EM Interpretation Airborne Magnetic and MEGATEM Survey, West Rim Nickel Project, Ontario Job 08413.

Stott G.M., Josey S.D., Rainsford D.R.B. and McIlraith S.J. 2008.PreCambrian Geology and Aeromagnetic Data of the Hudson Bay and James Bay Lowland Region with PreCambrian Basement Depth Estimates and Related Tables of Geochronology and Diamond-Drill Hole Data. Ontario Geological Survey Miscellaneous Release-Data 233.

Thomas, R. D. 2004. Technical Report Spider #1 and #3 Projects (James Bay Joint Venture) James bay, Ontario, Spider Resources Inc. and KWG. Resources Inc. 76p.

Thurston, P.C., Osmani, I.A. and Stone, D. 1991. Northern Superior Province: Review and Terrane Analysis. *In* Geology of Ontario, Ontario Geological Survey Special Volume 4, pp.80-142.

Thurston, P.C., Sage, R.P. and Siragusa, G.M. 1979. Geology of the Winisk Lake Area, District of Kenora, Patricia Portion. Ontario Geological Survey Report 193, 169 p.

Venter, N. 2010. Report on A Helicopter-Borne Versatile Time Domain Electromagnetic (VTEM) and Aeromagnetic Geophysical Survey, Broke Back and Riverbank Properties Northern Ontario for Melkior Resources Inc. by Geotech Ltd. Project 10028, August 2010.

13.0 DATE AND SIGNATURE PAGE

I, Joe Campbell, P.Geo. do hereby certify that:

1. I am currently employed by GeoVector Management Inc.
   Suite 312, 10 Green St.,
   Nepean, Ontario, K2J 3Z6

2. I graduated with a BSc Honours degree in Geology from Acadia University in 1980.

3. I am a member of the Association of Professional Geoscientists of Ontario (membership #0135).

4. I have worked continually as a geologist for a total of 30 years since my graduation from university.

5. I participated in the preparation of the report titled “Report of Assessment Work on the Riverbank Property, McFaulds Lake Area, Northern Ontario, for Melkior Resources Inc.” which is based on a drill program completed in August 2011.

6. I acted as project manager on behalf of GeoVector Management Inc during the field work for the 2011 drilling campaign.

Dated this 20th day of January, 2012.

APPENDIX I
DRILL LOGS

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Eastrim	**NORTHING:**	5864815N, NAD83	**AZIMUTH:**	270
HOLE NO:	RB-02-2011	**EASTING:**	576910 E, NAD83	**INCLINATION:**	-60
LOGGED BY:		**ELEVATION:**	151	**FINAL DEPTH:**	216
START DATE:	5-Aug-11		NAD 83; zone 16U	**CORE SIZE:**	NQ
FINISH DATE:	8-Aug-11	**target**	**RB-02-2011**		

									ALTERATION				Mineralisation						
Depth			Rock Type					Structure		Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0.00	33.00	33.00	**OB**																	**Casing**
33.00	36.00	3.00	**Mv**																	**Mafic -Intermediate volcanic - rubble breccia, weathered , with gouge**
36.00	37.00	1.00	**Mv**																	Mafic volcanic, rubble and weathered
37.00	39.00	2.00	**Mv**																	Fault Gouge
39.00	**50.40**	11.40	**Mv**																	**Mafic Volcanic**
																				dark gree to grey, very fine grained 70 degrees to core axis, massive, with highly brecciated (healed) sections with silicification and carbonation
46.00																				35 cm highly weathered unit, locally fractured with hematite stain
50.10	50.40																			felsic porphyry dyke or clast in fault zone? Very magnetic
50.40	71.60		**Mg**																	**Mafic intrusive**
																				altered, resembles gabbro to pyroxenite, fchilled contact, local ghost cumulate textures,intrusive becomes medium grained towards the centre
																				possibly poikolitic texture,locally massive, localy brecciated local zones weathered to bronw mud like remains,
61.00	61.70																			numerous fractures
63.20	**64.30**																			approaching chlorite schist, locally weathered and hematitic, local minor sulfide po - schistosity 65 degrees to core axis
66.50	67.00																			possible relict poikplitic texture faint, with possible leucoxene
69.10	69.90																			intense carbonate veining, locally brecciated, with start of bleaching
68.90	69.00																			weathered andhematite staining
69.90	70.80																			several 5-10 cm fragments of mafiv volcanic, altered and heavily bleached
70.80	71.00																			rubble, brecciated core, fault zone
71.20	71.50																			leached units in core, hematitic stain, carbonated
71.60	94.35		**Mv**																	**Mafic volcanic - Intermediate volcanic**
																				highly altered, pale green to grey in color, fine to very fine grained, numerous calcite veins, localy brecciated,locally approaches tan color,
																				local zones local unitwith >60% calcite veining - a possible fault zone with recrystalised calcite and mafic volcanic fragments.
																				Calcte veins - 60 degrees tca, unit is massive to locally schistose, with well developed schistosity.
78.90	79.30																			Mafic volcanic, with salmon colored stripes, (iron carbonate) siderite? And psiible weathered, broken unit
81.40																				quatrz carbonate vein 70 degrees to core axis
82.00																				calcite vein 3-5 cm in diameter, with pyrite and trace chalcopyrite, core is bleached over 5 cm.

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Eastrim	NORTHING:	5864815N, NAD83	AZIMUTH:	270
HOLE NO:	RB-02-2011	EASTING:	576910 E, NAD83	INCLINATION:	-60
LOGGED BY:		ELEVATION:	151	FINAL DEPTH:	216
START DATE:	5-Aug-11		NAD 83; zone 16U	CORE SIZE:	NQ
FINISH DATE:	8-Aug-11	target	RB-02-2011		

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
80.00	81.00																			intense chloritization, chlorite schist
83.00	83.60																			possible fold hinge, veins and schistosity are parallel to core axis
93.00	94.35																			becoming more bleached and tan in color, schistosity 70 to core axis
93.90	94.35																			increase in fracturing, local brecciation 94.2-94.35
94.35	97.80		**BRX**																	**Breccia**
																				abundant carbonate viens, increasing to becoming the matrix, probable recrystalized, locally highly contorted with altered clasts of mafic volcanic,blebs of
94.35	94.75																			locally pyrrhotite rich with blebs of pyrrhotite
94.75	94.95																			fractured, brecciated and highly altered and bleached mafic volcanic clasts, 2-3% pyrite and pyrrhotite
95.15	95.45																			brecciated mafic volcanic
96.70	97.80																			zeebra rock - very unusual unit with carbonate matrix and mafic volcanic
97.80	107.65		**Mv**																	**Mafic to Intermediate volcanic**
																				grey to ight brown, very fine grained, probable continuation of 71.6-94.35 unit bu t with well developed schistosity,local large 20 cm carbonate veins
																				unit becomes more bleaced approaching a tan creamm color, progressively becomes more altered towards 107.65 contact,
																				local pyrite cubes (recrystaliized)
107.65	115.50		**CSch**																	**Chlorite Schist**
																				locally well banded approaching an argillite in apperance, locally well mineralized, minor pyrrhotite and pyrite, local blebs of pyrrhotite + pyrite
																				and trace chalcopyrite, loc+al clumps and bands of pyrhotite paallel to schistosity, sulfide content is > 1% of unit., highl bleached and tan in color
																				schistosity 60-65 degrees to core axis, locally contorted and disrupted along fine fractures, local carbonate veins and entire unit is carboanated
																				locally contans highly altered mafic volcanic clasts, often with sulfides surrounding the clasts.
																				Local patches of semi massive pyrrhotite (3-5cm in diameter).
115.50	**134.60**		**Mv**																	**Mafic volcanic - Intermediate volcanic**
																				very fine grained, schistose, contact at 115.5 50 degrees to core axis, local argillaceous units, carbonaceous, dark grey to black well layered,
																				local ghosts textres which resemble glomeroporphyritic texture, 118m, local carbonate veining, local zones of brecciation,

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Eastrim	NORTHING:	5864815N, NAD83	AZIMUTH:	270
HOLE NO:	RB-02-2011	EASTING:	576910 E, NAD83	INCLINATION:	-60
LOGGED BY:		ELEVATION:	151	FINAL DEPTH:	216
START DATE:	5-Aug-11		NAD 83; zone 16U	CORE SIZE:	NQ
FINISH DATE:	8-Aug-11	target	RB-02-2011		

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
																				local chlorite schist between massive and silicified units, all units carbonated. From 126m unit is progressively more bleached to a tan color
120.00	120.50																			numerous carbonate veins
125.00																				fractures 20 degrees to core axis
125.50	125.80																			fracture sub parallel to core axis
126.10																				breccia
126.45																				glomeroporhyritic texture?
128.00																				fractures 15 degrees to core axis
129.60	129.80																			fractures 15 degrees to core axis
122.28	122.50																			chlorite schist well banded argillaceous
122.50	134.60																			massive unit possible intrusive with two porphyritic like zones
129.00																				well developed tension gash veins
134.00	134.40																			fractures parallel to core axis , spliting the core
134.60	139.40		**ARG**																	**Argillite**
																				dark black to grey, well banded, locally very well mineralized with massive pyrrhotite bands and mionor pyrite, carbonated, locally chloritized,
																				locally fractured, loccallymore massive untis resembling meta siltstone or greywacke, numerous pyrrhotite rich bands, local near massive band of
																				pyrrhotite,locaaly silicified and pitted where sulfides were leached.
134.60																				schistosity 45 degrees to core axis
135.00																				black argillaceous bands 40 tca
135.20	136.50																			meta siltsone with well developed schistosity
138.35	138.65																			near massive patch of pyrrhotite
139.20	139.40																			meta siltsone with well developed schistosity 10 degrees to core axis
139.40	154.00		**$MS**																	**Mineralized zone**
139.40	140.90																			local near massive po

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Eastrim	**NORTHING:**	5864815N, NAD83	**AZIMUTH:**	270
HOLE NO:	RB-02-2011	**EASTING:**	576910 E, NAD83	**INCLINATION:**	-60
LOGGED BY:		**ELEVATION:**	151	**FINAL DEPTH:**	216
START DATE:	5-Aug-11		NAD 83; zone 16U	**CORE SIZE:**	NQ
FINISH DATE:	8-Aug-11	**target**	**RB-02-2011**		

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
140.00	140.80																			heavy pyrrhotite and pyrite banding, vuggy from weathered pyrite ?
140.90	142.30																			Massive lt grey to tan unit, with disseminated pyrrhotite
142.30	142.80																			tension/ gash fractures filled with carbonate and pyrrhotite, locally near massive bands, beds of pyrrhotite, (0.5 mm in diameter)
142.80	147.00																			tan color disseminated pyrrrhotite
147.00	148.50																			breccia, highly altered and cream t tan color, healed with 3-7 cm clasts surrounded by carbonate and disseminated pyrrhotite
148.50	149.00																			contact parallel to core axis tan to beige,
149.65	154.00																			Argillite, Carbonaceous highly mioneralized with pyrrhotite, pyrite . Locally vuggy where pyrite has been leached, highly magnetic, beding 45 to core axis
154.00	172.65		**Mv**																	Massive grey to tan Mafic volcanic (altered)
172.65	176.00		**$MS**																	Mineralized zone
																				60 degrees to core axis, alternating grey to white and black units, well developed schistosity (cleavage)well mineralized with bands and or blebs or
																				pyrrhotite and local disseminateion of pyrrhotite, bands and blebs of pyrrhotite
175.60	175.87																			locally near massive pyrrhotite locally (recrystallized pyrite) with trace chalcopyrite. Note pn like pyrite
176.00	181.90		**ARG**																	near massive meta siltstone, becoming grey in color, with disseminated pyrrhotite along schistosity, local veins and blebs of of pyrrhotite
179.85	179.15																			near massive pyrrhotite
180.14																				contact 65 degrees to core axis
181.90	216.00		**Mv**																	**Mafic volcanic (Intermediate)**
																				very fine grained, becoming greener away from the mineralized zone, local carbonate veining, massive with local brecciated zones,
																				locally veins parallel to core axis, 203-216 very flat contacts possible fold closure, highly fractured from 210.5-216m
215.00																				possible spherulites or glomeroporhyritic texture (remnant).
216.00																				**End of Hole**

GeoVector Management Inc.

GEOTECHNICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	McFaulds Riverbanks	NORTHING:	5864815N, NAD83	AZIMUTH:	270.00
HOLE NO:	RB-02-2011	EASTING:	576910 E, NAD83	INCLINATION:	-60.00
LOGGED BY:	0.00	ELEVATION:	0.00	FINAL DEPTH:	216.00
START DATE:	40760.00			CORE SIZE:	NQ
FINISH DATE:	40763.00				

Core Interval			Recovery		RQD				FRACTURE ORIENTATION AND COUNT PER RUN LENGTH											Bx/Gouge			Broken or Lost Core			
									61-90 degrees				31-60 degrees				0-30 degrees											
From	To	Interval m)	Recovered Core (m)	Total Core Recovery %	Core >10cm	RQD %	Strength Index	Weathered/ Alteration Index	Type	No.	Jr	Ja	Type	No.	Jr	Ja	Type	No.	Jr	Ja	Jn	From	To	Interval m)	From	To	Interval m)	COMMENTS (water conditions, fault zones, etc…)
33.00	36.00		2.00		0.00																						
	36.00		3.50		0.60																						
	42.00		2.00		0.69																						
	45.00		2.73		1.70																						
	48.00		3.20		1.80																						
	51.00		2.80		2.00																						
	54.00		2.90		2.00																						
	57.00		2.90		1.70																						
	60.00		2.90		1.66																						
	63.00		3.00		2.30																						
	66.00		2.80		1.80																						
	69.00		2.10		1.50																						
	72.00		2.80		2.30																						
	75.00		2.95		2.30																						
	78.00		2.90		2.40																						
	81.00		2.50		2.40																						
	84.00		3.00		2.60																						
	87.00		3.00		2.40																						
	90.00		3.00		2.30																						
	93.00		3.00		1.60																						
	96.00		3.00		2.40																						
	99.00		3.00		2.80																						
	102.00		3.00		2.70																						
	105.00		3.00		2.90																						
	108.00		3.00		2.20																						
	111.00		3.00		2.10																						
	114.00		3.00		2.20																						
	117.00		2.90		2.30																						
	120.00		2.90		2.60																						
	123.00		2.95		2.90																						
	126.00		2.95		2.57																						
	129.00		2.90		2.70																						
	132.00		2.85		2.70																						
	135.00		3.00		2.00																						
	138.00		2.80		2.80																						

GeoVector Management Inc.

GEOTECHNICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	McFaulds Riverbanks	NORTHING:	5864815N, NAD83	AZIMUTH:	270.00
HOLE NO:	RB-02-2011	EASTING:	576910 E, NAD83	INCLINATION:	-60.00
LOGGED BY:	0.00	ELEVATION:	0.00	FINAL DEPTH:	216.00
START DATE:	40760.00			CORE SIZE:	NQ
FINISH DATE:	40763.00				

Core Interval			Recovery		RQD				FRACTURE ORIENTATION AND COUNT PER RUN LENGTH											Bx/Gouge			Broken or Lost Core			
									61-90 degrees				31-60 degrees				0-30 degrees											
From	To	Interval m)	Recovered Core (m)	Total Core Recovery %	Core >10cm	RQD %	Strength Index	Weathered/ Alteration Index	Type	No.	Jr	Ja	Type	No.	Jr	Ja	Type	No.	Jr	Ja	Jn	From	To	Interval m)	From	To	Interval m)	COMMENTS (water conditions, fault zones, etc…)
	141.00		2.80		0.62																							
	144.00		2.90		1.47																							
	147.00		2.95		2.30																							
	150.00		3.00		2.60																							
	153.00		2.80		0.70																							
	156.00		3.00		2.20																							
	159.00		3.00		2.95																							
	162.00		3.00		2.65																							
	165.00		3.00		2.40																							
	168.00		3.00		3.00																							
	171.00		3.00		2.60																							
	174.00		2.90		2.90																							
	177.00		2.90		2.40																							
	180.00		2.95		2.80																							
	183.00		3.00		2.38																							
	186.00		3.00		2.90																							
	189.00		3.00		2.80																							
	192.00		3.00		2.80																							
	195.00		3.00		2.95																							
	198.00		3.00		2.80																							
	201.00		3.00		3.00																							
	204.00		3.00		2.90																							
	207.00		3.00		2.90																							
	210.00		3.00		2.90																							
	213.00		3.00		3.00																							
	216.00		3.00		3.00																							

GeoVector Management Inc.

GEOTECHNICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	McFaulds Riverbanks	NORTHING:	5864815N, NAD83	AZIMUTH:	270.00
HOLE NO:	RB-02-2011	EASTING:	576910 E, NAD83	INCLINATION:	-60.00
LOGGED BY:	0.00	ELEVATION:	0.00	FINAL DEPTH:	216.00
START DATE:	40760.00			CORE SIZE:	NQ
FINISH DATE:	40763.00				

									FRACTURE ORIENTATION AND COUNT PER RUN LENGTH																	
Core Interval			Recovery		RQD				61-90 degrees				31-60 degrees				0-30 degrees					Bx/Gouge			Broken or Lost Core			
From	To	Interval m)	Recovered Core (m)	Total Core Recovery %	Core >10cm	RQD %	Strength Index	Weathered/ Alteration Index	Type	No.	Jr	Ja	Type	No.	Jr	Ja	Type	No.	Jr	Ja	Jn	From	To	Interval m)	From	To	Interval m)	COMMENTS (water conditions, fault zones, etc…)

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Riverbank	NORTHING:	5864815N, NAD83	AZIMUTH:	270.00
HOLE NO:	RB-02-2011	EASTING:	576910 E, NAD83	INCLINATION:	-60.00
LOGGED BY:	0.00	ELEVATION:	151.00	FINAL DEPTH:	216.00
START DATE:	40760.00			CORE SIZE:	NQ
FINISH DATE:	40763.00				

					Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
					ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample	**Depth**	**Depth**	**Sample**	**Rock Code**	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1
Number	**From**	**To**	**Interval**	**Comment**	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
369329	106.50	107.65	1.15		26.7	0.1	9	0.041	3.07	4.19	0.08	< 0.02	6.48	23	176	151	1680	7.21	46.5	106	124	102	12.1	< 0.1	< 0.1
369330	107.65	108.50	0.85		17.3	0.2	7	0.058	2.42	4.01	0.18	< 0.02	7.74	16.2	131	128	1860	7.63	45.5	104	124	95.8	9.56	< 0.1	< 0.1
369331	108.50	109.50	1.00		12.5	0.2	7	0.086	1.37	2.81	0.26	< 0.02	7.92	9.9	82	82.9	1830	5.92	38.6	100	127	74.1	6.81	< 0.1	< 0.1
369332	109.50	111.00	1.50		11.6	0.4	14	0.131	0.75	2.16	0.47	0.07	5.05	2.4	20	20.4	992	3.81	22.3	46.3	90.3	53	5.31	< 0.1	< 0.1
369333	111.00	112.00	1.00		8.9	0.4	14	0.169	0.9	2.72	0.6	0.18	3.23	2.8	25	22	604	3.69	29.4	50.2	140	87.4	7.16	< 0.1	< 0.1
369334	112.00	113.00	1.00		9	0.2	9	0.154	1	2.14	0.44	0.28	3.03	2.6	24	18.4	610	5.94	57.7	75.2	270	245	7.78	< 0.1	< 0.1
369335	113.00	114.00	1.00		8.6	0.2	9	0.112	0.84	1.76	0.41	0.21	2.74	1.7	17	13	427	4.67	47.9	52.8	175	164	5.38	< 0.1	1.5
369336	114.00	115.50	1.50		9.9	0.1	6	0.075	1.3	2.06	0.27	0.09	3.74	2.8	26	30.6	512	5.11	31.9	58	207	134	5.95	< 0.1	< 0.1
369337	115.50	117.00	1.50		21.8	0.1	4	0.049	4.17	4.61	0.16	< 0.02	7.43	18.9	129	232	1090	8.12	57.4	192	129	122	11.1	< 0.1	16.3
369338	134.00	135.20	1.20		19.8	0.2	7	0.064	3.86	4.36	0.18	0.15	4.79	20.4	125	179	875	6.68	47.2	131	199	85.7	10.6	< 0.1	31.4
369339	135.20	136.50	1.30		24	< 0.1	6	0.042	4.14	4.46	0.05	< 0.02	5.71	23.7	139	199	877	6.14	41.5	135	91.3	80.8	11.3	< 0.1	39.5
369340	136.50	138.00	1.50		15.4	0.2	10	0.067	2.81	2.88	0.22	0.17	2.29	4	39	75.3	520	6.23	38.5	70.9	244	147	7.47	< 0.1	5.8
369341	138.00	139.00	1.00		15.2	0.2	13	0.067	2.16	2.24	0.21	0.51	1.78	3	29	56.3	350	7.67	70.1	107	401	375	6.88	< 0.1	85.3
369342	138.00	139.00	1.00	duplicate	15	0.3	13.0	0.1	2.2	2.2	0.2	0.5	2.1	2.9	27.0	54.9	420.0	8.0	76.3	110.0	408.0	402.0	6.7	< 0.1	69.8
369343	139.00	140.00	1.00		16	0.3	11.0	0.1	2.9	3.0	0.3	0.4	1.7	3.2	35.0	39.4	437.0	7.3	51.0	92.7	230.0	397.0	8.4	0.1	2.1
369344	140.00	141.00	1.00		14	0.2	8.0	0.1	2.4	2.8	0.2	0.5	2.9	5.6	51.0	81.7	522.0	11.7	55.0	131.0	459.0	588.0	8.4	0.1	< 0.1
369345	141.00	142.00	1.00		19	0.2	7.0	0.1	3.7	4.2	0.1	0.0	5.5	16.2	122.0	211.0	1120.0	7.4	41.2	127.0	158.0	798.0	11.2	< 0.1	< 0.1
369346	142.00	143.50	1.50		20	< 0.1	6.0	0.0	3.3	4.3	0.1	0.0	3.8	17.4	117.0	186.0	968.0	8.9	62.8	136.0	272.0	703.0	11.4	< 0.1	9.3
369347	143.50	145.00	1.50		20	< 0.1	5.0	0.1	3.5	4.4	0.0	< 0.02	6.7	24.7	155.0	231.0	1220.0	7.5	52.0	165.0	132.0	237.0	12.6	< 0.1	51.0
369348	145.00	146.50	1.50	shoulder	16.00	< 0.1	4.0	0.1	2.8	3.5	0.0	< 0.02	8.1	24.3	144.0	210.0	1280.0	6.5	42.8	139.0	109.0	111.0	10.9	< 0.1	32.1
369349	146.50	146.50	0.00	Blank	5	< 0.1	2.0	0.4	1.0	1.4	0.1	< 0.02	1.6	5.4	79.0	27.3	287.0	3.6	17.2	29.9	89.0	63.0	6.9	< 0.1	< 0.1
369350	146.50	146.50	0.00	CDN -ME -17	10	0.2	9.0	0.0	0.5	0.7	0.1	51.2	0.5	1.5	18.0	52.4	719.0	14.4	153.0	70.9	9540.0	> 10000	14.7	< 0.1	104.0
369351	146.50	148.00	1.50		17	< 0.1	4.0	0.1	3.0	3.2	0.0	0.2	8.0	24.4	152.0	219.0	1400.0	6.8	53.7	143.0	139.0	218.0	11.9	< 0.1	483.0
369352	148.00	148.50	0.50		12	< 0.1	4.0	0.1	2.6	2.2	0.1	0.1	5.1	13.6	100.0	163.0	1100.0	6.1	37.2	105.0	120.0	172.0	8.1	< 0.1	9.5
369353	148.50	149.00	0.50		6	< 0.1	5.0	0.1	1.1	0.9	0.1	0.4	2.3	2.2	12.0	8.9	672.0	15.6	44.8	171.0	387.0	139.0	3.4	0.1	< 0.1
369354	149.00	150.00	1.00		8	0.1	6.0	0.1	2.5	1.4	0.2	0.1	4.3	5.3	34.0	60.7	1280.0	6.5	29.1	92.2	218.0	289.0	3.9	< 0.1	< 0.1
369355	150.00	151.50	1.50		15	0.4	24.0	0.1	1.2	1.5	0.3	0.5	2.7	2.2	13.0	11.7	539.0	7.8	43.6	82.9	265.0	848.0	4.3	< 0.1	32.1
369356	151.50	153.00	1.50		12	0.4	23.0	0.1	1.3	1.7	0.3	0.5	2.9	2.0	13.0	11.0	527.0	8.2	48.0	88.8	366.0	1390.0	4.8	< 0.1	32.2
369357	153.00	154.00	1.00		9	0.4	9.0	0.1	1.9	1.5	0.2	0.2	4.2	2.8	19.0	32.2	814.0	6.6	45.3	86.5	222.0	360.0	3.6	< 0.1	20.8
369358	154.00	155.50	1.50		20	0.1	5.0	0.1	4.7	3.6	0.1	< 0.02	4.3	14.4	104.0	194.0	1120.0	6.8	45.4	154.0	118.0	142.0	8.9	< 0.1	6.8
369359	171.00	172.50	1.50		26	< 0.1	4.0	0.0	4.5	4.7	< 0.01	< 0.02	5.0	28.2	175.0	209.0	1360.0	7.8	50.3	128.0	130.0	142.0	13.5	0.2	4.1
369360	172.50	174.00	1.50		11	0.3	8.0	0.2	1.6	2.5	0.3	0.2	0.2	5.7	41.0	64.7	214.0	6.9	58.6	75.3	445.0	628.0	6.9	< 0.1	< 0.1
369361	174.00	175.00	1.00		8	0.3	8.0	0.1	0.6	1.5	0.3	0.6	0.5	1.8	10.0	8.4	223.0	8.3	78.9	55.1	189.0	490.0	4.3	< 0.1	26.5
369362	175.00	176.00	1.00		11	0.3	7.0	0.1	1.2	1.7	0.2	0.7	1.6	2.9	22.0	30.7	574.0	14.2	104.0	111.0	361.0	727.0	5.3	0.1	32.8
369363	176.00	177.50	1.50		25	0.3	7.0	0.1	3.6	3.4	0.1	0.1	5.7	12.5	97.0	173.0	1430.0	6.6	37.7	95.4	205.0	164.0	8.4	< 0.1	< 0.1
369364	177.50	179.00	1.50		27	0.2	6.0	0.1	3.5	3.5	0.1	0.0	5.5	12.2	94.0	166.0	1270.0	6.3	38.5	104.0	174.0	164.0	8.5	< 0.1	< 0.1
369365	179.00	180.50	1.50		15	0.2	9.0	0.1	1.7	2.5	0.3	0.4	1.2	5.5	43.0	70.4	409.0	11.1	88.8	122.0	557.0	277.0	6.8	< 0.1	< 0.1
369366	180.50	182.00	1.50		19	< 0.1	6.0	0.1	3.1	3.5	0.0	< 0.02	6.5	22.0	148.0	231.0	1380.0	6.8	51.7	155.0	123.0	143.0	10.6	< 0.1	1.4
369367	180.50	182.00	1.50	duplicate of previous	20	< 0.1	6.0	0.1	3.0	3.5	0.1	< 0.02	7.4	21.8	144.0	231.0	1520.0	6.8	52.8	159.0	127.0	141.0	10.2	< 0.1	< 0.1
369368	182.00	183.00	1.00		19	< 0.1	6.0	0.1	3.0	3.9	0.0	< 0.02	9.4	25.0	160.0	239.0	1490.0	6.9	55.1	160.0	129.0	108.0	11.5	< 0.1	29.4

					SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ba	Sr	Y	Sc	Zr	Be	V		
					%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
Sample	**Depth**	**Depth**	**Sample**	**Rock Code**	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	2	2	1	1	2	1	5		
Number	**From**	**To**	**Interval**	**Comment**	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP		
369396	126.65	126.95	0.30	ole rock - altered bas	44	13.7	10.3	0.1	8.5	9.4	1.5	0.1	0.6	0.1	12.4	100.9	3.0	102.0	13.0	35.0	35.0	< 1	208.0		

GeoVector Management In

HOLE DESCRIPTION	
PROJECT:	Riverbank
HOLE NO:	RB-02-2011
LOGGED BY:	0.00
START DATE:	40760.00
FINISH DATE:	40763.00

					Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample	**Depth**	**Depth**	**Sample**	**Rock Code**	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1
Number	**From**	**To**	**Interval**	**Comment**	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
369329	106.50	107.65	1.15		< 0.1	3.1	40.1	7.58	0.8	< 0.1	< 0.01	0.105	0.16	0.05	0.07	0.21	< 0.02	0.3	21.8	2.2	5.57	0.9	4.49	1.4	0.4
369330	107.65	108.50	0.85		0.3	6.6	55.9	8.91	5.1	< 0.1	< 0.01	0.105	0.11	0.04	0.08	0.27	< 0.02	0.38	38	2.7	6.26	1	4.69	1.5	0.5
369331	108.50	109.50	1.00		< 0.1	9.7	57	9.2	10.1	< 0.1	< 0.01	0.068	0.14	0.03	0.09	0.39	< 0.02	0.56	43.5	5.3	10.7	1.5	5.91	1.5	0.5
369332	109.50	111.00	1.50		0.2	15.6	46.8	6.55	0.5	< 0.1	0.16	0.06	0.16	0.03	0.22	0.41	0.1	0.73	45.9	17.2	34.3	4.3	14.5	2.2	0.7
369333	111.00	112.00	1.00		0.9	20.7	37.7	5.86	1.2	< 0.1	0.44	0.081	0.11	0.05	0.5	0.48	0.3	0.83	26.8	21.3	40.6	5.1	16.9	2.3	0.6
369334	112.00	113.00	1.00		3.7	15.7	30.7	6.36	2.3	< 0.1	0.84	0.16	0.98	0.12	0.4	0.51	1.08	0.63	9.9	19.6	37.8	4.6	15.1	2.2	0.6
369335	113.00	114.00	1.00		3.1	14.4	27.2	6.15	4.9	< 0.1	1.67	0.29	0.53	0.07	0.34	0.36	0.84	0.65	16.9	20.7	39.3	4.8	15.6	2.3	0.6
369336	114.00	115.50	1.50		1.7	9.5	33.2	5.25	3.5	< 0.1	0.63	0.173	0.27	0.04	0.15	0.48	0.55	0.46	22.3	12.3	23.3	2.8	9.54	1.5	0.5
369337	115.50	117.00	1.50		0.8	5.8	39.4	7.51	0.2	< 0.1	< 0.01	0.105	< 0.01	0.03	0.05	0.29	0.07	0.27	37.9	2.5	5.64	0.9	4.32	1.4	0.4
369338	134.00	135.20	1.20		2.8	6.3	35.8	7.54	2.6	< 0.1	0.4	0.129	0.03	0.04	0.14	0.44	0.36	0.23	53.3	9	18.6	2.4	8.93	1.8	0.6
369339	135.20	136.50	1.30		0.4	1.7	28.5	6.24	1.4	< 0.1	< 0.01	0.067	< 0.01	0.04	0.06	0.32	< 0.02	0.09	21.5	4.7	9.51	1.3	5.41	1.4	0.5
369340	136.50	138.00	1.50		2.7	7.6	28.6	5.96	4.2	< 0.1	0.61	0.117	0.09	0.03	0.18	0.58	0.74	0.38	14.1	18	36.3	4.6	15.8	2.4	0.6
369341	138.00	139.00	1.00		4.6	7.4	24.4	4.78	22.9	< 0.1	1.47	0.262	0.77	0.14	0.23	1.2	1.63	0.46	10.3	15.7	31.3	3.9	13	2	0.5
369342	138.00	139.00	1.00	duplicate	4.7	8.2	26.7	5.1	15.4	< 0.1	1.5	0.3	0.9	0.2	0.3	1.7	1.7	0.5	12.0	17.60	35	4.4	14.7	2.3	0.5
369343	139.00	140.00	1.00		3.2	9.6	29.0	5.8	5.2	< 0.1	0.9	0.3	0.6	0.1	0.4	0.8	1.3	0.4	6.6	18.60	37.1	4.9	16.9	2.7	0.5
369344	140.00	141.00	1.00		6.2	6.6	39.6	4.5	31.8	< 0.1	1.0	0.4	1.2	0.2	0.3	1.8	1.3	0.4	19.1	11.20	22.5	2.8	9.98	1.8	0.5
369345	141.00	142.00	1.00		2.4	3.5	44.1	5.4	4.8	< 0.1	< 0.01	0.2	1.6	0.2	0.2	0.8	0.2	0.3	21.9	4.30	7.72	1.2	5.06	1.5	0.6
369346	142.00	143.50	1.50		2.4	2.4	17.9	4.5	7.1	< 0.1	< 0.01	0.1	1.7	0.2	0.2	0.7	0.1	0.3	16.0	3.20	7	1.1	4.42	1.2	0.4
369347	143.50	145.00	1.50		0.7	1.3	32.2	6.7	0.5	< 0.1	< 0.01	0.1	0.1	0.1	< 0.05	0.5	< 0.02	0.2	9.2	2.00	4.63	0.8	3.85	1.3	0.4
369348	145.00	146.50	1.50	shoulder	0.6	0.6	37.9	6.7	0.5	< 0.1	< 0.01	0.0	0.0	0.0	< 0.05	0.4	< 0.02	0.1	4.8	1.80	4.41	0.8	3.68	1.3	0.5
369349	146.50	146.50	0.00	Blank	0.5	0.8	106.0	8.1	3.3	0.2	< 0.01	0.3	0.0	0.0	0.4	< 0.02	< 0.02	0.0	28.1	7.90	21.5	3.4	14	2.6	0.7
369350	146.50	146.50	0.00	CDN -ME -17	3.1	8.2	15.9	7.8	14.0	1.2	19.7	28.8	187.0	11.1	20.3	19.7	2.5	0.6	< 0.5	9.20	18.8	2.5	8.85	1.9	0.4
369351	146.50	148.00	1.50		1.0	0.5	45.7	6.4	4.7	< 0.1	< 0.01	1.4	0.1	0.1	0.2	0.9	0.2	0.2	2.4	2.00	4.34	0.7	3.4	1.1	0.4
369352	148.00	148.50	0.50		1.0	2.7	38.5	3.9	5.2	< 0.1	< 0.01	0.3	0.2	0.0	0.1	1.1	0.0	0.2	12.9	2.30	4.29	0.7	3.04	0.9	0.3
369353	148.50	149.00	0.50		5.3	4.1	22.6	4.7	45.8	< 0.1	0.5	0.6	0.3	0.1	0.2	7.2	0.8	0.2	3.8	7.70	15.8	2	7.01	1.3	0.3
369354	149.00	150.00	1.00		1.4	6.1	31.7	3.3	13.7	< 0.1	< 0.01	0.3	0.6	0.1	0.2	3.2	0.2	0.3	17.5	4.50	8.23	1.1	4.11	1	0.3
369355	150.00	151.50	1.50		3.6	10.4	29.9	6.0	29.9	< 0.1	1.3	0.5	1.7	0.3	0.7	12.1	1.1	0.7	10.4	14.90	29.8	3.6	12.4	2	0.5
369356	151.50	153.00	1.50		5.1	11.6	39.7	7.0	28.9	< 0.1	1.5	0.5	2.8	0.4	0.6	7.5	0.7	0.8	14.6	19.70	38.1	4.7	15.2	2.4	0.6
369357	153.00	154.00	1.00		3.0	7.8	51.2	4.8	14.7	< 0.1	0.8	0.3	0.8	0.1	0.3	2.8	0.4	0.6	17.5	8.00	15.3	1.9	6.64	1.3	0.4
369358	154.00	155.50	1.50		0.4	3.7	30.8	3.2	1.6	< 0.1	< 0.01	0.1	0.1	0.0	0.1	0.8	< 0.02	0.2	19.2	1.50	2.61	0.5	2.27	0.7	0.3
369359	171.00	172.50	1.50		0.5	0.1	16.7	6.6	1.9	< 0.1	< 0.01	0.1	0.0	0.0	< 0.05	0.6	< 0.02	0.1	< 0.5	2.60	6.22	1.1	5.09	1.7	0.5
369360	172.50	174.00	1.50		2.9	12.6	24.4	4.6	18.6	< 0.1	0.7	0.2	1.3	0.2	0.5	1.6	0.3	0.4	0.6	12.60	26.3	3.4	11.5	1.9	0.4
369361	174.00	175.00	1.00		3.0	11.3	18.2	5.2	57.9	< 0.1	0.8	0.3	1.0	0.1	0.4	6.0	1.1	0.4	< 0.5	17.50	35.5	4.5	14.8	2.4	0.5
369362	175.00	176.00	1.00		6.7	9.7	23.1	6.1	58.3	< 0.1	1.1	0.7	1.5	0.2	0.4	8.9	2.3	0.3	0.6	13.20	26	3.2	10.6	1.7	0.4
369363	176.00	177.50	1.50		1.8	4.6	37.2	4.8	2.9	< 0.1	< 0.01	0.2	0.1	0.0	0.2	2.0	0.2	0.4	26.9	2.30	4.27	0.7	3.27	1	0.2
369364	177.50	179.00	1.50		0.5	4.1	31.4	5.7	2.1	< 0.1	< 0.01	0.2	0.0	0.0	0.2	1.3	0.1	0.3	9.8	3.80	6.78	1	4.24	1.2	0.3
369365	179.00	180.50	1.50		5.6	10.9	18.3	5.1	42.1	< 0.1	1.3	0.4	0.8	0.1	0.3	2.9	1.1	0.4	4.2	10.50	20.9	2.7	9.24	1.7	0.4
369366	180.50	182.00	1.50		0.6	1.5	21.9	7.3	1.0	< 0.1	0.6	0.2	0.1	0.0	< 0.05	0.4	< 0.02	0.2	12.6	1.50	3.64	0.7	3.31	1.2	0.3
369367	180.50	182.00	1.50	duplicate of previous	0.7	2.0	24.8	8.1	1.0	< 0.1	0.0	0.1	0.1	0.0	< 0.05	0.6	< 0.02	0.2	19.0	1.70	4.04	0.7	3.6	1.3	0.4
369368	182.00	183.00	1.00		0.4	1.5	34.4	11.4	0.3	< 0.1	0.0	0.0	0.1	0.0	< 0.05	0.5	< 0.02	0.1	9.7	1.80	4.32	0.7	3.54	1.2	0.4

Sample Number	**Depth From**	**Depth To**	**Sample Interval**	**Rock Code Comment**
369396	126.65	126.95	0.30	ole rock - altered bas

GeoVector Management In

HOLE DESCRIPTION	
PROJECT:	Riverbank
HOLE NO:	RB-02-2011
LOGGED BY:	0.00
START DATE:	40760.00
FINISH DATE:	40763.00

					Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Sample	**Depth**	**Depth**	**Sample**	**Rock Code**	0.1	0.1	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Number	**From**	**To**	**Interval**	**Comment**	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
369329	106.50	107.65	1.15		1.8	0.3	1.63	0.3	0.8	0.1	0.9	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	1.19	0.2	< 0.1
369330	107.65	108.50	0.85		1.8	0.3	1.82	0.4	1	0.2	1	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	2.16	0.5	< 0.1
369331	108.50	109.50	1.00		1.8	0.3	1.77	0.4	1	0.2	1	0.2	0.1	< 0.05	< 0.1	< 0.001	< 5	0.09	2.33	1.1	0.2
369332	109.50	111.00	1.50		1.8	0.2	1.37	0.3	0.8	0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.17	4.45	4.5	0.8
369333	111.00	112.00	1.00		1.8	0.2	1.12	0.2	0.6	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.21	4.21	5.4	0.9
369334	112.00	113.00	1.00		1.7	0.2	1.24	0.2	0.6	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.16	6.28	5.8	0.9
369335	113.00	114.00	1.00		1.9	0.2	1.23	0.2	0.6	< 0.1	0.5	< 0.1	< 0.1	< 0.05	0.3	< 0.001	< 5	0.17	7.99	6.3	1
369336	114.00	115.50	1.50		1.4	0.2	0.995	0.2	0.5	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.1	5.21	4.5	0.7
369337	115.50	117.00	1.50		1.6	0.3	1.43	0.3	0.8	0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	0.96	0.5	< 0.1
369338	134.00	135.20	1.20		1.7	0.2	1.35	0.3	0.7	0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	2.71	2.4	0.4
369339	135.20	136.50	1.30		1.5	0.2	1.3	0.2	0.7	< 0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	44	0.03	1.04	0.9	0.1
369340	136.50	138.00	1.50		1.9	0.2	1.17	0.2	0.6	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.09	5.16	3.9	0.6
369341	138.00	139.00	1.00		1.6	0.2	0.972	0.2	0.5	< 0.1	0.4	< 0.1	0.3	< 0.05	0.1	0.001	< 5	0.11	10.3	4.5	0.7
369342	138.00	139.00	1.00	duplicate	1.8	0.2	1.05	0.2	0.5	< 0.1	0.4	< 0.1	0.1	< 0.05	< 0.1	0.002	< 5	0.1	9.53	4.6	0.7
369343	139.00	140.00	1.00		2.1	0.2	1.17	0.2	0.6	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.1	7.35	3.9	0.6
369344	140.00	141.00	1.00		1.6	0.2	0.985	0.2	0.5	< 0.1	0.4	< 0.1	0.6	< 0.05	0.2	0.003	< 5	0.1	9.74	2.8	0.4
369345	141.00	142.00	1.00		1.7	0.2	1.18	0.2	0.6	< 0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.75	0.3	< 0.1
369346	142.00	143.50	1.50		1.4	0.2	1.04	0.2	0.5	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	5.34	0.6	< 0.1
369347	143.50	145.00	1.50		1.5	0.2	1.34	0.3	0.7	< 0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	2.5	0.2	< 0.1
369348	145.00	146.50	1.50	shoulder	1.6	0.3	1.43	0.3	0.8	0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	1.48	0.2	< 0.1
369349	146.50	146.50	0.00	Blank	2.1	0.3	1.4	0.3	0.7	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.79	0.2	< 0.1
369350	146.50	146.50	0.00	CDN -ME -17	1.9	0.3	1.6	0.3	0.8	0.1	0.6	< 0.1	0.4	< 0.05	3.4	0.002	< 5	3.21	> 5000	4.3	2.5
369351	146.50	148.00	1.50		1.4	0.2	1.24	0.2	0.7	0.1	0.6	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	8.5	0.3	< 0.1
369352	148.00	148.50	0.50		1.1	0.2	0.898	0.2	0.5	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	5.23	0.3	< 0.1
369353	148.50	149.00	0.50		1.2	0.2	0.923	0.2	0.5	< 0.1	0.5	< 0.1	1.1	< 0.05	0.2	< 0.001	< 5	0.06	25.3	3.3	0.5
369354	149.00	150.00	1.00		1	0.2	0.804	0.1	0.4	< 0.1	0.4	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	0.09	11.1	1.2	0.2
369355	150.00	151.50	1.50		1.7	0.2	1.24	0.2	0.6	< 0.1	0.5	< 0.1	0.5	< 0.05	0.1	< 0.001	< 5	0.2	37.9	4.8	0.8
369356	151.50	153.00	1.50		1.9	0.2	1.19	0.2	0.6	< 0.1	0.5	< 0.1	0.4	< 0.05	< 0.1	< 0.001	< 5	0.12	12.5	4.5	0.7
369357	153.00	154.00	1.00		1.4	0.2	1	0.2	0.5	< 0.1	0.4	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.11	8.88	2.2	0.4
369358	154.00	155.50	1.50		0.9	0.1	0.718	0.1	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 5	0.05	2.82	0.3	< 0.1
369359	171.00	172.50	1.50		2.1	0.3	1.69	0.3	0.8	0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	3.94	0.3	< 0.1
369360	172.50	174.00	1.50		1.5	0.2	1.02	0.2	0.5	< 0.1	0.5	< 0.1	0.2	< 0.05	0.1	< 0.001	< 5	0.15	6.06	3.2	0.6
369361	174.00	175.00	1.00		2	0.2	1.29	0.2	0.6	< 0.1	0.6	0.1	1.4	< 0.05	< 0.1	< 0.001	< 5	0.19	20	4.4	0.8
369362	175.00	176.00	1.00		1.4	0.2	1.01	0.2	0.5	< 0.1	0.5	< 0.1	1.1	< 0.05	0.1	< 0.001	< 5	0.13	20.2	3	0.5
369363	176.00	177.50	1.50		1.2	0.2	0.971	0.2	0.5	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	10.2	0.2	< 0.1
369364	177.50	179.00	1.50		1.6	0.2	1.34	0.3	0.7	< 0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	6.9	0.2	< 0.1
369365	179.00	180.50	1.50		1.6	0.2	1.08	0.2	0.5	< 0.1	0.5	< 0.1	0.9	< 0.05	0.4	0.002	< 5	0.12	8.18	2.9	0.5
369366	180.50	182.00	1.50		1.5	0.3	1.48	0.3	0.7	0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	1.66	0.3	< 0.1
369367	180.50	182.00	1.50	duplicate of previous	1.8	0.3	1.74	0.3	0.9	0.1	0.8	0.1	< 0.1	< 0.05	0.2	< 0.001	< 5	0.02	2.01	0.2	< 0.1
369368	182.00	183.00	1.00		1.6	0.3	1.82	0.4	1	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.97	0.2	< 0.1

Sample Number	**Depth From**	**Depth To**	**Sample Interval**	**Rock Code Comment**
369396	126.65	126.95	0.30	ole rock - altered ba

GeoVector Management Inc.

DOWN HOLE SURVEY SHEET

HOLE DESCRIPTION	
PROJECT:	Eastrim
HOLE NO:	RB-02-2011
LOGGED BY:	0.00
START DATE:	
FINISH DATE:	40763.00

Date Measured	Instrument Used	Measured (Raw Data)			Mine Grid	Corrected	Corrected
		Depth	Dip	Azimuth	Azimuth	Azimuth	Dip
	ez - shot	39.00	-58.5	273			
		99.00	-57.5	271.1			
		150.00	-56.6	262.7			
		216.00	-55.9	266.1			

APPENDIX II
ASSAY CERTIFICATES

Quality Analysis ... *Innovative Technologies*

Date Submitted: 22-Aug-11
Invoice No.: A11-9203
Invoice Date: 19-Oct-11
Your Reference: McFaulds

MELKIER RESOURCES
19 NESBITT ST
OTTAWA ON K2H 8C4
Canada

ATTN: Nathalie Hanson

CERTIFICATE OF ANALYSIS

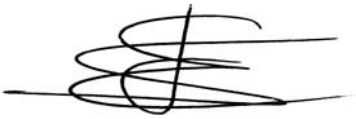
7 Pulp samples and 193 Rock samples were submitted for analysis.

The following analytical packages were requested:
Code 1C-Exp Fire Assay-ICP/MS
Code 4B (11+) Major Elements Fusion ICP(WRA)
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A11-9203**

Notes:
Assays are recommended for values >10,000 for Cu and Au. Due to matrix change used in AR-MS analysis, the detection limts for Au has been modified to 5ppb. The AU from AR-MS is only semi-quantitative. For accurate Au data,fire assay is recommended.
Total includes all elements in % oxide to the left of total.
We recommend reanalysis by fire assay Au, Pt, Pd Code 8 if values exceed upper limit.

CERTIFIED BY :



Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
SCC Accredited
LAB 266
LAB 266
Accrédité CCN

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Pd	Pt	Au	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ba	Sr	Y	Sc	Zr	Be	V	Li	Be
Unit Symbol	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	2	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	2	2	1	1	2	1	5	0.1	0.1
Analysis Method	FA-MS	FA-MS	FA-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	AR-MS	AR-MS
A369026																							12.6	0.2
A369027																							9.7	< 0.1
A369028																							8.0	< 0.1
A369029																							6.1	0.2
A369030																							4.3	0.2
A369031																							5.3	0.2
A369032																							6.2	0.2
A369033																							9.4	0.1
A369034																							10.7	< 0.1
A369035																							6.6	< 0.1
A369036																							7.4	< 0.1
A369037																							24.2	0.1
A369038																							20.5	< 0.1
A369039																							31.0	0.1
A369040																							30.9	0.1
A369041																							5.1	< 0.1
A369042																							4.0	< 0.1
A369043																							4.4	< 0.1
A369044																							18.9	0.1
A369045																							27.2	0.1
A369046																							16.6	< 0.1
A369047																							14.0	< 0.1
A369048																							12.5	0.1
A369049																							7.5	0.1
A369050																							11.2	0.4
A369051																							12.3	< 0.1
A369052																							12.8	0.1
A369053																							15.7	< 0.1
A369054																							6.0	< 0.1
A369055																							12.5	< 0.1
A369056																							11.8	< 0.1
A369057																							18.4	< 0.1
A369058																							16.8	0.1
A369059																							12.3	< 0.1
A369060																							8.7	< 0.1
A369061																							22.6	< 0.1
A369062																							10.5	< 0.1
A369063																							10.8	< 0.1
A369064																							14.4	0.1
A369065																							36.7	0.1
A369066																							22.8	< 0.1
A369067																							25.8	< 0.1
A369068																							16.5	< 0.1
A369069																							27.1	0.1
A369070																							3.7	< 0.1
A369071																							25.8	< 0.1
A369072																							27.2	< 0.1
A369073																							19.5	< 0.1
A369074																							3.5	< 0.1
A369075																							8.6	0.2
A369076																							34.9	< 0.1
A369077																							23.5	< 0.1

Analyte Symbol	Pd	Pt	Au	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ba	Sr	Y	Sc	Zr	Be	V	Li	Be
Unit Symbol	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	2	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	2	2	1	1	2	1	5	0.1	0.1
Analysis Method	FA-MS	FA-MS	FA-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	AR-MS	AR-MS
A369078																							26.9	< 0.1
A369079																							21.8	< 0.1
A369080																							16.7	< 0.1
A369081																							30.5	0.2
A369082																							33.4	< 0.1
A369083																							8.9	< 0.1
A369084																							35.0	< 0.1
A369085																							28.7	< 0.1
A369086																							22.9	< 0.1
A369087																							17.4	0.2
A369088																							15.8	0.3
A369089																							17.2	0.3
A369090																							10.3	< 0.1
A369091																							9.9	0.3
A369092																							6.7	< 0.1
A369093																							14.8	0.3
A369094																							23.5	0.3
A369095																							20.8	0.1
A369096																							49.9	0.2
A369097																							44.3	0.1
A369098																							49.6	0.2
A369099																							3.9	< 0.1
A369100																							9.4	0.2
A369289																							18.8	< 0.1
A369290																							17.3	< 0.1
A369291																							17.4	0.1
A369292																							12.2	0.4
A369293																							18.5	0.7
A369294																							13.5	0.5
A369295																							7.2	0.2
A369296																							20.0	0.5
A369297																							13.6	0.3
A369298																							12.9	0.6
A369299																							6.1	0.2
A369300																							11.7	0.3
A369301																							13.0	0.5
A369302																							9.5	0.4
A369303																							6.9	0.5
A369304																							8.4	0.3
A369305																							30.9	0.1
A369306																							14.1	< 0.1
A369307																							27.1	< 0.1
A369308																							23.8	< 0.1
A369309																							22.8	< 0.1
A369310																							13.1	< 0.1
A369311																							17.2	< 0.1
A369312																							13.2	< 0.1
A369313																							8.9	< 0.1
A369314																							6.4	< 0.1
A369315																							5.8	< 0.1
A369316																							2.5	< 0.1
A369317																							4.8	< 0.1

Analyte Symbol	Pd	Pt	Au	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ba	Sr	Y	Sc	Zr	Be	V	Li	Be
Unit Symbol	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	2	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	2	2	1	1	2	1	5	0.1	0.1
Analysis Method	FA-MS	FA-MS	FA-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	AR-MS	AR-MS
A369318																							1.8	< 0.1
A369319																							2.2	< 0.1
A369320																							9.0	0.1
A369321																							12.6	< 0.1
A369322																							11.5	< 0.1
A369323																							9.8	< 0.1
A369324																							4.3	< 0.1
A369325																							7.4	0.1
A369326																							8.1	< 0.1
A369327																							9.6	< 0.1
A369328																							7.6	< 0.1
A369329																							26.7	0.1
A369330																							17.3	0.2
A369331																							12.5	0.2
A369332																							11.6	0.4
A369333																							8.9	0.4
A369334																							9.0	0.2
A369335																							8.6	0.2
A369336																							9.9	0.1
A369337																							21.8	0.1
A369338																							19.8	0.2
A369339																							24.0	< 0.1
A369340																							15.4	0.2
A369341																							15.2	0.2
A369342																							14.7	0.3
A369343																							15.7	0.3
A369344																							13.8	0.2
A369345																							19.4	0.2
A369346																							19.5	< 0.1
A369347																							19.5	< 0.1
A369348																							16.0	< 0.1
A369349																							4.7	< 0.1
A369350																							10.2	0.2
A369351																							16.7	< 0.1
A369352																							12.4	< 0.1
A369353																							5.9	< 0.1
A369354																							7.5	0.1
A369355																							15.0	0.4
A369356																							11.9	0.4
A369357																							8.9	0.4
A369358																							20.0	0.1
A369359																							25.5	< 0.1
A369360																							11.4	0.3
A369361																							7.7	0.3
A369362																							10.6	0.3
A369363																							24.7	0.3
A369364																							26.8	0.2
A369365																							14.6	0.2
A369366																							19.1	< 0.1
A369367																							19.5	< 0.1
A369368																							19.3	< 0.1
A369369																							32.0	0.5

Analyte Symbol	Pd	Pt	Au	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ba	Sr	Y	Sc	Zr	Be	V	Li	Be
Unit Symbol	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	2	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	2	2	1	1	2	1	5	0.1	0.1
Analysis Method	FA-MS	FA-MS	FA-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	AR-MS	AR-MS
A369370																							32.2	0.3
A369371																							69.8	0.2
A369372																							44.8	0.4
A369373																							15.1	< 0.1
A369374																							5.1	< 0.1
A369375																							7.8	0.1
A369376																							10.4	< 0.1
A369377																							19.5	< 0.1
A369378																							17.8	< 0.1
A369379																							6.8	< 0.1
A369380																							11.1	< 0.1
A369381																							23.6	< 0.1
A369382																							27.6	< 0.1
A369383																							6.4	< 0.1
A369384																							5.4	< 0.1
A369385																							4.9	< 0.1
A369386																							9.9	< 0.1
A369387																							15.0	< 0.1
A369388																							8.1	< 0.1
A369389																							8.4	< 0.1
A369276	< 1	1	3																					
A369277	< 1	1	2																					
A369278	< 1	1	2																					
A369279	< 1	1	2																					
A369280	< 1	1	3																					
A369281	< 1	1	< 2																					
A369282	< 1	1	< 2																					
A369283	< 1	1	< 2																					
A369284	< 1	2	< 2																					
A369285	< 1	1	< 2																					
A369286	< 1	1	< 2																					
A369287	< 1	1	2																					
A369288	< 1	1	< 2																					
A369390				51.59	13.78	12.31	0.235	5.65	11.42	1.89	0.12	1.315	0.10	1.92	100.3	93	93	24	45	70	< 1	374		
A369391				49.32	14.04	13.14	0.192	7.20	10.62	1.24	0.25	1.044	0.10	3.58	100.7	27	102	20	44	59	< 1	324		
A369392				49.33	14.47	11.07	0.204	7.45	13.80	0.90	0.06	0.690	0.06	2.65	100.7	10	119	14	40	36	< 1	248		
A369393				42.32	13.77	12.09	0.258	3.96	15.73	1.88	0.18	0.896	0.06	8.93	100.1	51	110	18	40	54	< 1	260		
A369394				50.50	15.31	12.40	0.169	5.83	7.17	2.18	0.15	1.045	0.08	4.63	99.46	64	103	17	47	56	< 1	315		
A369395				49.47	14.50	12.54	0.242	7.52	12.08	1.54	0.14	0.612	0.05	1.35	100.0	76	86	14	46	30	< 1	253		
A369396				44.40	13.67	10.33	0.148	8.45	9.40	1.45	0.05	0.629	0.05	12.39	100.9	3	102	13	35	35	< 1	208		
A369397				50.83	19.23	8.87	0.100	5.37	7.46	4.57	0.78	0.724	0.31	2.71	100.9	183	823	13	19	50	< 1	150		
A369398				50.95	19.53	8.65	0.089	3.87	8.76	4.67	0.16	1.007	0.38	0.96	99.00	111	1028	15	15	250	< 1	151		
A369399				48.40	15.47	13.79	0.179	6.03	9.15	2.56	0.22	1.707	0.26	1.34	99.10	73	418	11	26	26	< 1	246		
A369400				48.94	15.96	14.02	0.176	5.67	9.34	2.81	0.16	1.860	0.37	0.90	100.2	92	446	14	25	32	< 1	247		

Analyte Symbol	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr
Unit Symbol	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5	0.01	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A369026	5	0.062	1.85	2.76	0.01	< 0.02	4.41	12.0	152	51.2	1290	6.48	43.7	67.1	76.7	131	8.93	0.2	13.3	0.2	0.2	12.6	11.3	1.6
A369027	4	0.067	1.42	2.22	0.02	< 0.02	3.11	10.0	145	45.8	1120	9.35	78.7	94.5	207	119	8.22	0.2	< 0.1	1.2	0.4	10.1	10.7	1.8
A369028	3	0.102	1.34	2.14	0.02	< 0.02	3.11	12.5	151	45.3	1020	5.52	45.7	63.4	94.6	108	7.28	0.1	7.8	0.3	0.2	7.7	12.5	1.1
A369029	3	0.189	1.54	2.35	0.03	< 0.02	2.77	14.7	174	51.1	1100	7.11	62.6	73.2	186	109	8.64	0.2	2.4	0.7	0.7	8.9	13.0	1.8
A369030	3	0.165	1.05	1.89	0.03	< 0.02	2.99	14.8	155	38.8	834	5.26	57.4	69.9	224	82.6	7.63	0.2	8.4	0.6	0.4	10.1	12.1	2.6
A369031	2	0.108	1.10	1.92	0.02	< 0.02	2.71	10.4	136	36.1	910	8.33	62.0	76.6	289	81.8	7.88	0.1	< 0.1	0.9	0.2	10.4	9.73	2.4
A369032	2	0.092	1.00	1.39	0.01	< 0.02	2.55	9.6	122	34.9	839	5.34	34.2	47.5	165	87.4	6.50	< 0.1	< 0.1	0.2	0.4	9.0	10.8	1.3
A369033	2	0.093	1.47	2.54	0.02	< 0.02	2.76	10.2	149	36.7	1320	7.29	38.2	39.9	75.1	129	8.48	0.2	3.2	< 0.1	0.2	15.0	11.3	0.7
A369034	2	0.035	1.75	2.43	< 0.01	< 0.02	5.53	7.1	178	43.6	1990	7.06	46.2	45.3	94.1	204	9.98	0.2	< 0.1	0.5	0.5	14.5	13.0	0.6
A369035	15	0.055	0.94	1.20	0.04	< 0.02	2.24	6.9	133	34.0	1100	9.23	38.6	48.4	127	164	6.88	< 0.1	2.8	1.0	3.2	6.8	14.0	1.8
A369036	2	0.059	1.26	1.85	0.01	< 0.02	1.94	7.4	64	82.9	805	4.11	37.6	101	109	56.4	3.94	< 0.1	16.6	< 0.1	0.8	15.3	4.45	0.2
A369037	5	0.032	2.37	3.37	0.07	< 0.02	6.15	19.3	162	209	1800	7.46	48.2	155	132	106	11.0	< 0.1	18.4	< 0.1	3.2	26.1	11.3	< 0.1
A369038	5	0.030	1.98	3.08	0.09	< 0.02	6.99	16.7	140	193	2380	7.98	44.2	145	294	91.5	9.97	< 0.1	2.3	< 0.1	3.4	27.1	9.41	0.6
A369039	8	0.035	2.39	4.04	0.07	< 0.02	6.99	17.3	187	257	2620	9.88	56.6	168	174	167	12.2	< 0.1	8.3	0.1	2.6	22.4	12.1	< 0.1
A369040	9	0.032	2.67	4.07	0.04	< 0.02	5.49	12.1	165	258	2020	8.79	63.8	204	122	107	9.84	0.1	< 0.1	< 0.1	2.2	23.5	7.42	< 0.1
A369041	4	0.034	0.52	0.85	0.02	< 0.02	21.2	3.5	36	70.5	2720	2.63	43.8	175	204	21.8	1.96	< 0.1	14.5	0.7	0.9	37.0	4.19	< 0.1
A369042	6	0.023	0.39	0.67	0.03	< 0.02	19.4	2.7	27	35.8	2560	2.19	48.0	228	127	21.9	1.44	< 0.1	8.4	1.0	1.0	34.3	3.41	< 0.1
A369043	3	0.034	0.54	0.85	< 0.01	< 0.02	13.6	4.2	44	71.0	1720	3.97	109	725	201	24.4	2.24	< 0.1	3.3	5.0	0.3	24.4	3.10	< 0.1
A369044	4	0.046	2.11	3.61	0.01	< 0.02	8.16	11.2	143	272	2140	7.78	60.7	191	125	103	7.51	0.1	0.9	< 0.1	0.7	22.0	7.82	< 0.1
A369045	7	0.073	4.49	7.03	0.02	< 0.02	8.80	23.3	242	415	4590	17.7	127	350	433	216	16.4	0.4	< 0.1	1.5	0.5	57.5	14.7	2.7
A369046	3	0.031	2.38	3.72	0.07	< 0.02	6.06	11.9	165	235	3500	9.14	52.3	176	109	120	9.57	0.3	< 0.1	< 0.1	3.2	31.9	7.67	0.6
A369047	3	0.037	2.05	3.25	0.22	< 0.02	8.06	10.3	142	201	3980	11.7	72.3	156	378	105	7.47	0.2	< 0.1	0.7	10.2	35.3	7.07	0.8
A369048	3	0.067	1.85	2.64	0.05	< 0.02	4.75	12.0	132	204	2700	8.93	51.0	173	123	89.0	8.14	0.1	< 0.1	0.3	2.0	28.7	8.20	0.5
A369049	4	0.337	1.29	1.87	0.05	< 0.02	2.09	6.1	92	28.9	379	4.26	19.7	32.9	35.5	75.7	8.51	< 0.1	< 0.1	< 0.1	0.6	138	9.28	4.2
A369050	8	0.048	0.48	0.80	0.16	50.8	0.60	2.1	22	61.3	861	15.5	151	78.5	> 10000	> 10000	16.9	0.1	107	3.4	9.6	19.4	9.11	17.2
A369051	19	0.050	1.69	2.56	0.35	0.22	6.25	11.1	140	198	3550	11.7	53.5	167	119	95.6	7.18	0.2	< 0.1	< 0.1	14.8	39.3	7.15	1.0
A369052	2	0.045	1.63	2.20	0.38	< 0.02	5.59	11.1	130	183	3940	14.8	62.3	159	268	100.0	8.58	0.1	< 0.1	1.4	16.9	22.2	7.55	0.7
A369053	3	0.060	2.13	2.82	0.67	< 0.02	4.14	17.2	181	238	3940	11.6	39.7	175	143	133	10.6	0.1	< 0.1	0.5	29.5	19.6	9.98	0.3
A369054	1	0.027	0.88	1.28	0.19	< 0.02	3.90	7.5	94	108	2920	13.7	40.9	125	277	51.8	5.35	< 0.1	< 0.1	0.5	9.1	19.1	6.30	0.8
A369055	2	0.032	1.70	2.88	0.21	< 0.02	4.78	9.4	130	148	3020	7.11	40.1	126	86.0	90.3	7.30	0.1	< 0.1	< 0.1	9.4	27.0	7.64	< 0.1
A369056	4	0.039	1.92	2.96	< 0.01	< 0.02	2.21	11.7	91	157	720	5.45	48.7	145	203	97.0	6.34	0.1	< 0.1	< 0.1	0.2	20.3	6.25	1.0
A369057	6	0.030	2.28	2.95	0.04	< 0.02	2.58	10.8	92	151	830	5.78	47.1	131	191	228	6.28	< 0.1	0.8	< 0.1	1.9	17.7	5.89	1.1
A369058	10	0.039	1.76	2.44	0.01	< 0.02	2.67	9.5	82	160	757	6.99	57.2	133	137	58.2	5.88	0.2	< 0.1	0.7	0.5	20.2	5.90	1.6
A369059	4	0.024	1.71	2.68	0.01	< 0.02	2.97	8.9	74	155	843	4.61	39.2	112	151	56.1	5.15	0.1	2.4	< 0.1	0.4	26.1	4.48	0.8
A369060	3	0.030	1.52	2.50	0.04	< 0.02	2.65	8.0	70	145	789	4.24	33.6	97.5	122	48.5	4.74	0.1	5.0	< 0.1	1.7	22.5	4.30	0.6
A369061	11	0.137	1.31	2.14	0.03	< 0.02	8.32	15.4	104	101	1610	5.15	30.1	79.5	34.9	76.9	7.43	< 0.1	< 0.1	< 0.1	0.4	34.0	10.8	< 0.1
A369062	4	0.156	1.00	1.70	0.03	< 0.02	7.22	11.6	81	73.0	1440	4.88	29.3	60.1	305	65.5	6.20	0.2	2.6	< 0.1	0.2	29.4	9.06	0.2
A369063	4	0.222	1.22	2.15	0.04	< 0.02	7.10	14.3	102	88.7	1480	5.54	30.5	68.9	223	75.1	7.41	0.1	< 0.1	0.5	0.3	33.2	10.7	0.3
A369064	7	0.119	1.55	2.34	0.02	< 0.02	6.19	13.5	98	100	1400	5.89	34.7	84.6	36.0	96.9	7.90	0.2	8.9	< 0.1	0.3	25.8	9.38	1.2
A369065	35	0.077	2.38	2.71	0.04	0.12	5.99	16.2	120	104	1640	10.2	36.8	89.4	278	113	9.96	0.1	2.2	0.9	0.5	25.5	16.4	4.6
A369066	20	0.084	1.94	2.68	0.03	< 0.02	4.99	15.6	147	145	1080	5.77	45.2	105	147	91.9	10.1	0.2	13.5	< 0.1	0.6	24.6	11.2	< 0.1
A369067	23	0.103	2.15	2.98	0.03	< 0.02	4.63	17.2	155	146	1040	6.05	43.7	103	135	90.3	10.6	0.2	8.6	< 0.1	0.7	21.4	10.9	0.2
A369068	5	0.059	1.42	2.11	0.07	0.03	5.70	16.6	130	114	1250	5.73	36.2	87.8	95.1	103	7.66	0.1	18.5	< 0.1	3.4	24.9	8.99	2.2
A369069	10	0.057	2.24	2.61	0.30	0.33	6.88	23.1	163	147	1710	11.8	69.8	120	326	94.6	10.8	0.1	1040	2.2	14.7	37.7	15.5	13.7
A369070	2	0.034	0.31	0.37	0.07	0.05	1.38	2.9	23	15.2	332	3.52	15.1	27.6	111	27.6	1.24	< 0.1	23.3	< 0.1	3.3	8.1	2.06	1.3
A369071	7	0.059	2.59	3.10	0.51	0.05	4.70	27.4	182	143	1080	7.33	43.1	117	126	101	10.8	< 0.1	5.6	< 0.1	25.3	22.7	10.4	2.5
A369072	7	0.052	2.85	3.53	0.41	< 0.02	5.32	30.3	194	161	1230	7.36	50.8	148	136	99.8	11.4	< 0.1	15.7	< 0.1	21.0	21.0	11.7	< 0.1
A369073	10	0.036	1.90	2.26	0.23	0.20	3.52	19.6	135	112	1310	11.3	35.3	84.1	149	88.9	9.64	< 0.1	< 0.1	< 0.1	12.7	15.5	8.07	9.4
A369074	2	0.296	0.74	1.09	0.04	< 0.02	1.35	4.5	61	16.6	232	2.82	12.9	21.5	41.0	43.7	5.33	< 0.1	< 0.1	< 0.1	0.3	86.7	6.44	3.4
A369075	5	0.084	0.66	1.00	0.12	28.4	1.25	3.9	49	27.6	585	11.5	23.8	65.4	7330	> 10000	8.84	0.5	554	122	5.8	43.7	8.94	11.2
A369076	19	0.076	3.85	4.67	0.25	0.13	6.57	31.6	244	203	1670	9.39	63.9	195	184	140	14.3	0.2	37.1	0.5	15.3	29.7	14.6	0.5
A369077	8	0.043	2.55	2.85	0.16	0.05	7.46	26.1	199	167	1470	8.00	49.2	109	145	121	10.9	0.1	< 0.1	0.3	11.2	29.1	12.9	0.8

Analyte Symbol	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr
Unit Symbol	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5	0.01	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A369078	8	0.059	2.89	3.19	0.10	0.16	7.52	28.1	195	187	2080	10.7	54.9	127	216	254	12.7	< 0.1	4.0	0.9	6.7	33.6	13.2	5.1
A369079	8	0.052	2.27	2.54	0.33	0.17	8.19	22.5	164	138	2850	11.1	41.3	87.5	253	131	9.95	< 0.1	< 0.1	0.8	25.4	39.3	13.5	8.1
A369080	6	0.063	1.22	1.47	0.09	0.07	4.99	13.6	101	78.0	1020	6.20	26.0	50.3	196	57.0	5.98	< 0.1	0.2	0.8	6.4	24.6	7.14	4.6
A369081	9	0.098	2.96	3.62	0.19	0.04	6.35	35.6	263	223	1920	8.74	56.2	127	187	179	13.7	< 0.1	5.3	0.7	13.8	35.3	14.6	2.8
A369082	8	0.081	3.05	3.94	0.60	< 0.02	6.80	39.3	266	216	1620	8.98	61.3	135	183	149	14.6	0.1	25.0	0.4	39.5	31.8	14.4	3.6
A369083	4	0.102	0.92	0.95	0.32	0.04	2.30	11.8	84	68.7	609	3.31	21.4	43.1	90.9	38.1	4.31	< 0.1	20.3	< 0.1	13.7	14.6	5.02	2.7
A369084	9	0.056	3.12	3.91	0.18	< 0.02	7.50	36.1	254	209	2140	8.77	63.1	138	154	163	15.0	0.1	36.2	0.5	8.2	38.7	16.8	1.2
A369085	5	0.117	2.22	3.62	0.15	0.10	5.68	21.5	173	151	2400	12.6	52.9	116	193	226	12.9	0.1	81.0	0.5	7.1	25.2	14.3	5.0
A369086	6	0.067	1.90	2.13	0.89	0.33	5.50	29.7	192	162	2780	11.1	40.2	96.7	296	224	9.48	0.1	< 0.1	1.6	36.9	33.6	13.1	6.3
A369087	7	0.092	0.92	1.30	0.46	0.98	1.95	6.1	41	27.3	867	12.2	73.3	129	607	1160	6.24	0.1	< 0.1	4.8	27.0	17.5	5.85	49.2
A369088	8	0.096	0.72	1.38	0.39	0.62	2.26	3.2	23	15.8	699	5.42	29.9	103	135	892	5.39	< 0.1	0.9	1.7	15.2	24.0	7.57	6.5
A369089	11	0.084	0.81	1.38	0.43	0.25	2.49	2.6	22	12.7	727	4.41	22.6	71.3	129	312	4.58	< 0.1	6.9	1.4	15.8	25.8	7.49	42.3
A369090	9	0.071	0.44	0.90	0.28	0.96	1.49	2.0	13	9.8	447	5.87	46.6	133	244	1520	3.29	< 0.1	1260	2.7	10.6	18.2	6.03	16.8
A369091	13	0.081	0.60	1.47	0.62	0.60	2.32	3.3	19	15.1	764	4.96	35.9	113	147	633	4.49	< 0.1	897	2.7	20.9	29.5	7.53	8.0
A369092	12	0.052	0.31	0.95	0.41	1.12	2.63	2.4	13	8.2	738	6.27	41.5	120	207	1090	3.16	< 0.1	2350	2.2	13.8	24.8	6.30	9.8
A369093	9	0.085	0.55	1.18	0.40	0.76	2.76	2.6	15	11.1	842	7.58	44.9	139	235	1130	4.04	< 0.1	52.3	2.3	15.2	38.9	6.50	20.9
A369094	11	0.088	0.70	1.88	0.51	1.81	2.26	4.0	25	18.1	661	9.24	49.3	98.7	193	1200	6.48	< 0.1	79.9	2.8	20.8	25.5	8.29	14.5
A369095	8	0.034	0.63	1.19	0.16	1.82	4.19	3.0	20	12.6	969	16.1	67.5	137	414	348	4.32	0.1	46.0	5.2	8.2	29.3	8.97	39.8
A369096	9	0.060	1.78	2.68	0.26	0.52	5.78	16.3	121	110	1490	10.3	40.5	102	184	339	10.7	< 0.1	1050	2.2	15.0	52.4	10.6	15.2
A369097	4	0.051	1.86	2.59	0.10	0.08	6.05	19.3	138	118	1230	6.87	34.5	93.1	76.7	244	9.36	< 0.1	133	0.1	6.1	46.4	8.15	6.0
A369098	6	0.045	2.06	2.84	0.13	0.26	6.24	19.7	145	126	1390	8.11	41.2	99.1	80.4	112	10.6	< 0.1	270	0.8	7.6	54.7	10.8	9.0
A369099	2	0.380	0.86	1.28	0.04	< 0.02	1.45	4.9	62	19.0	263	3.04	14.2	23.6	50.9	49.6	5.63	< 0.1	0.8	< 0.1	0.4	96.5	7.14	2.4
A369100	6	0.051	0.44	0.67	0.14	45.1	0.45	1.5	18	45.0	727	17.2	167	64.9	> 10000	> 10000	14.7	0.2	118	23.4	8.6	16.3	7.58	14.9
A369289	2	0.049	2.14	2.94	0.04	0.25	4.13	24.8	203	159	1380	6.41	44.1	99.2	93.6	177	12.5	< 0.1	< 0.1	< 0.1	1.5	24.4	11.0	2.4
A369290	1	0.049	2.13	2.84	< 0.01	< 0.02	3.82	24.5	195	152	1600	6.84	34.4	87.8	34.4	180	12.8	< 0.1	< 0.1	< 0.1	0.3	26.7	8.63	2.6
A369291	3	0.054	1.48	1.77	0.09	0.08	7.77	11.5	93	76.2	2670	7.73	46.9	42.9	94.5	75.8	7.91	< 0.1	< 0.1	0.9	4.3	71.5	11.1	13.4
A369292	7	0.101	0.68	1.65	0.35	0.08	1.98	2.5	21	13.8	728	10.5	16.4	75.2	221	1350	5.91	0.1	0.3	7.1	16.9	26.4	7.62	23.0
A369293	10	0.168	0.69	2.14	0.46	0.36	2.38	3.6	27	22.3	766	8.96	49.1	66.0	252	682	8.06	0.2	31.4	4.1	21.2	35.1	10.4	6.1
A369294	10	0.129	0.56	1.83	0.46	1.01	2.88	2.9	21	20.2	748	9.48	100	107	211	1480	6.62	0.2	70.0	7.5	20.1	33.4	9.99	9.4
A369295	6	0.080	0.32	1.02	0.26	0.25	1.26	1.5	12	9.3	341	4.15	26.7	48.7	182	467	3.83	< 0.1	23.3	1.4	12.6	19.5	5.14	3.4
A369296	10	0.082	0.71	1.69	0.29	0.43	4.83	3.8	28	20.7	1000	17.0	65.0	82.0	319	442	6.83	0.1	85.7	7.4	16.7	43.7	9.73	46.2
A369297	8	0.073	0.76	1.57	0.29	0.61	3.10	2.2	15	8.7	892	20.3	77.5	90.3	300	2250	5.41	0.2	100	8.1	14.6	28.2	7.42	51.9
A369298	11	0.169	0.66	1.75	0.49	0.06	3.16	1.9	19	9.5	591	3.60	42.1	30.3	122	139	6.01	< 0.1	< 0.1	2.3	24.8	36.7	8.79	0.7
A369299	4	0.449	1.36	1.87	0.05	< 0.02	2.03	6.9	109	39.9	394	5.10	21.9	37.1	83.1	82.4	9.19	0.1	< 0.1	< 0.1	0.6	134	10.7	6.3
A369300	7	0.056	0.51	0.82	0.18	55.3	0.57	1.9	20	61.4	908	21.4	214	88.4	> 10000	> 10000	17.9	0.2	146	14.9	10.7	18.4	9.29	19.4
A369301	10	0.121	0.83	1.71	0.48	0.34	4.12	2.8	21	9.8	832	5.23	25.0	44.4	252	35.5	5.55	< 0.1	< 0.1	2.9	23.3	47.4	9.41	1.9
A369302	10	0.179	0.66	1.86	0.49	0.13	2.30	1.7	17	12.2	498	5.47	22.5	35.0	181	29.3	6.15	< 0.1	< 0.1	2.5	22.3	28.7	9.19	3.3
A369303	11	0.145	0.29	1.21	0.43	0.07	3.24	0.8	10	6.8	506	4.82	46.0	33.1	193	25.7	4.19	< 0.1	< 0.1	2.5	20.9	33.6	8.77	1.6
A369304	11	0.146	0.61	1.86	0.56	0.11	4.31	2.5	25	11.4	737	6.71	30.5	44.9	206	26.8	6.44	< 0.1	< 0.1	3.1	25.9	41.6	11.0	1.3
A369305	5	0.070	3.79	4.20	0.18	< 0.02	7.64	15.9	126	257	1600	7.53	50.8	197	140	171	11.1	< 0.1	< 0.1	0.9	7.0	47.2	9.56	3.6
A369306	5	0.069	2.20	3.25	0.01	< 0.02	5.68	13.1	125	217	1950	6.73	52.9	168	143	95.9	7.58	0.1	9.8	0.6	0.3	32.0	7.57	1.1
A369307	6	0.058	3.49	4.83	< 0.01	< 0.02	4.00	15.5	140	253	2310	9.79	71.0	220	172	126	8.78	0.2	5.1	0.6	0.1	23.4	8.29	1.2
A369308	9	0.023	2.14	3.08	< 0.01	< 0.02	6.80	11.5	92	154	1800	5.51	48.6	130	154	71.6	6.26	0.2	12.5	< 0.1	0.1	29.8	5.34	0.4
A369309	6	0.025	2.93	3.81	< 0.01	< 0.02	3.82	10.7	115	183	1770	6.85	48.3	147	110	97.9	7.49	0.1	16.0	< 0.1	< 0.1	21.5	5.92	0.8
A369310	4	0.039	2.09	3.08	< 0.01	< 0.02	3.66	9.3	96	163	1370	5.28	41.2	125	148	75.8	6.64	0.1	13.3	< 0.1	< 0.1	22.1	6.01	1.0
A369311	4	0.034	2.36	3.17	< 0.01	< 0.02	4.12	8.0	99	183	1870	7.74	51.0	146	176	114	6.05	0.1	92.6	0.2	< 0.1	14.7	4.65	0.5
A369312	3	0.029	2.30	3.25	< 0.01	< 0.02	4.70	7.1	89	180	2370	8.02	44.8	156	110	119	5.58	0.1	1.6	< 0.1	< 0.1	19.1	3.88	0.2
A369313	2	0.050	1.79	2.49	< 0.01	< 0.02	3.71	6.0	72	154	1840	8.76	47.4	150	171	109	4.96	< 0.1	< 0.1	0.4	< 0.1	17.6	3.90	0.6
A369314	2	0.056	1.09	1.50	0.01	< 0.02	4.77	6.2	66	120	1430	9.18	75.9	133	217	74.4	4.81	0.1	< 0.1	1.3	0.4	21.2	4.78	1.2
A369315	3	0.097	0.96	1.44	0.05	< 0.02	2.40	7.3	74	119	681	5.97	37.1	147	92.0	71.3	4.72	< 0.1	< 0.1	0.3	1.8	11.7	6.57	2.2
A369316	2	0.059	0.30	0.54	0.05	< 0.02	3.48	4.0	48	57.1	648	9.21	40.3	104	177	128	2.31	< 0.1	< 0.1	0.5	1.8	8.0	5.07	2.1
A369317	2	0.066	0.69	0.85	0.03	< 0.02	5.10	5.2	65	94.1	1030	6.52	30.6	121	158	60.1	3.13	< 0.1	< 0.1	< 0.1	1.7	10.0	5.99	1.6

Analyte Symbol	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr
Unit Symbol	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5	0.01	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A369318	4	0.081	0.28	0.96	0.07	< 0.02	4.00	6.6	54	62.2	644	9.51	60.7	175	263	23.5	3.16	< 0.1	< 0.1	0.3	2.2	10.9	5.02	2.5
A369319	3	0.048	0.30	0.55	0.01	0.02	3.53	3.6	38	54.7	712	21.0	94.4	219	330	32.4	2.07	0.1	< 0.1	2.1	0.6	9.0	2.95	1.1
A369320	3	0.056	1.62	2.76	< 0.01	< 0.02	3.92	9.1	77	146	964	4.97	46.1	149	184	68.5	5.47	0.1	5.8	0.1	0.1	30.9	5.41	2.2
A369321	3	0.047	2.11	2.99	< 0.01	< 0.02	3.97	7.2	77	171	1130	5.58	49.1	160	192	84.5	4.73	0.1	11.3	0.4	0.5	21.6	4.07	0.5
A369322	7	0.068	1.89	2.68	< 0.01	< 0.02	1.90	6.0	63	130	740	4.36	37.6	134	129	65.7	4.66	< 0.1	0.9	< 0.1	0.1	19.8	3.97	1.3
A369323	3	0.046	1.88	2.61	< 0.01	< 0.02	3.00	7.4	71	159	970	8.32	49.0	137	178	77.5	4.76	0.1	< 0.1	0.7	0.1	19.7	4.18	0.9
A369324	3	0.422	1.09	1.44	0.04	< 0.02	1.68	6.0	83	27.0	301	3.82	16.8	29.1	49.7	59.0	6.94	< 0.1	< 0.1	< 0.1	0.3	109	8.40	4.1
A369325	11	0.076	0.60	0.84	0.09	24.5	1.05	2.9	38	22.1	452	9.15	18.8	52.3	5820	> 10000	6.76	0.4	430	93.9	4.4	34.4	6.80	8.0
A369326	4	0.037	1.51	1.83	0.01	0.18	4.81	5.1	69	137	1280	21.9	90.0	207	427	97.7	4.69	0.1	< 0.1	2.2	0.5	16.5	3.60	0.6
A369327	3	0.046	1.77	2.41	< 0.01	< 0.02	3.65	6.7	69	157	1090	5.46	46.2	157	122	75.0	4.84	< 0.1	< 0.1	< 0.1	< 0.1	17.0	4.31	1.2
A369328	2	0.069	1.27	1.56	0.01	< 0.02	3.60	5.9	73	131	1250	6.68	44.3	125	119	92.4	4.68	< 0.1	< 0.1	0.6	0.7	14.4	4.43	0.5
A369329	9	0.041	3.07	4.19	0.08	< 0.02	6.48	23.0	176	151	1680	7.21	46.5	106	124	102	12.1	< 0.1	< 0.1	< 0.1	3.1	40.1	7.58	0.8
A369330	7	0.058	2.42	4.01	0.18	< 0.02	7.74	16.2	131	128	1860	7.63	45.5	104	124	95.8	9.56	< 0.1	< 0.1	0.3	6.6	55.9	8.91	5.1
A369331	7	0.086	1.37	2.81	0.26	< 0.02	7.92	9.9	82	82.9	1830	5.92	38.6	100	127	74.1	6.81	< 0.1	< 0.1	< 0.1	9.7	57.0	9.20	10.1
A369332	14	0.131	0.75	2.16	0.47	0.07	5.05	2.4	20	20.4	992	3.81	22.3	46.3	90.3	53.0	5.31	< 0.1	< 0.1	0.2	15.6	46.8	6.55	0.5
A369333	14	0.169	0.90	2.72	0.60	0.18	3.23	2.8	25	22.0	604	3.69	29.4	50.2	140	87.4	7.16	< 0.1	< 0.1	0.9	20.7	37.7	5.86	1.2
A369334	9	0.154	1.00	2.14	0.44	0.28	3.03	2.6	24	18.4	610	5.94	57.7	75.2	270	245	7.78	< 0.1	< 0.1	3.7	15.7	30.7	6.36	2.3
A369335	9	0.112	0.84	1.76	0.41	0.21	2.74	1.7	17	13.0	427	4.67	47.9	52.8	175	164	5.38	< 0.1	1.5	3.1	14.4	27.2	6.15	4.9
A369336	6	0.075	1.30	2.06	0.27	0.09	3.74	2.8	26	30.6	512	5.11	31.9	58.0	207	134	5.95	< 0.1	< 0.1	1.7	9.5	33.2	5.25	3.5
A369337	4	0.049	4.17	4.61	0.16	< 0.02	7.43	18.9	129	232	1090	8.12	57.4	192	129	122	11.1	< 0.1	16.3	0.8	5.8	39.4	7.51	0.2
A369338	7	0.064	3.86	4.36	0.18	0.15	4.79	20.4	125	179	875	6.68	47.2	131	199	85.7	10.6	< 0.1	31.4	2.8	6.3	35.8	7.54	2.6
A369339	6	0.042	4.14	4.46	0.05	< 0.02	5.71	23.7	139	199	877	6.14	41.5	135	91.3	80.8	11.3	< 0.1	39.5	0.4	1.7	28.5	6.24	1.4
A369340	10	0.067	2.81	2.88	0.22	0.17	2.29	4.0	39	75.3	520	6.23	38.5	70.9	244	147	7.47	< 0.1	5.8	2.7	7.6	28.6	5.96	4.2
A369341	13	0.067	2.16	2.24	0.21	0.51	1.78	3.0	29	56.3	350	7.67	70.1	107	401	375	6.88	< 0.1	85.3	4.6	7.4	24.4	4.78	22.9
A369342	13	0.069	2.16	2.20	0.23	0.54	2.07	2.9	27	54.9	420	8.00	76.3	110	408	402	6.74	< 0.1	69.8	4.7	8.2	26.7	5.08	15.4
A369343	11	0.089	2.85	3.03	0.27	0.38	1.72	3.2	35	39.4	437	7.33	51.0	92.7	230	397	8.40	0.1	2.1	3.2	9.6	29.0	5.84	5.2
A369344	8	0.068	2.44	2.79	0.18	0.46	2.90	5.6	51	81.7	522	11.7	55.0	131	459	588	8.38	0.1	< 0.1	6.2	6.6	39.6	4.50	31.8
A369345	7	0.061	3.73	4.24	0.09	0.02	5.50	16.2	122	211	1120	7.38	41.2	127	158	798	11.2	< 0.1	< 0.1	2.4	3.5	44.1	5.35	4.8
A369346	6	0.044	3.30	4.33	0.07	0.04	3.83	17.4	117	186	968	8.89	62.8	136	272	703	11.4	< 0.1	9.3	2.4	2.4	17.9	4.47	7.1
A369347	5	0.053	3.48	4.40	0.04	< 0.02	6.67	24.7	155	231	1220	7.45	52.0	165	132	237	12.6	< 0.1	51.0	0.7	1.3	32.2	6.69	0.5
A369348	4	0.054	2.75	3.53	0.02	< 0.02	8.09	24.3	144	210	1280	6.45	42.8	139	109	111	10.9	< 0.1	32.1	0.6	0.6	37.9	6.74	0.5
A369349	2	0.387	1.02	1.40	0.05	< 0.02	1.62	5.4	79	27.3	287	3.56	17.2	29.9	89.0	63.0	6.88	< 0.1	< 0.1	0.5	0.8	106	8.08	3.3
A369350	9	0.044	0.48	0.70	0.14	51.2	0.51	1.5	18	52.4	719	14.4	153	70.9	9540	> 10000	14.7	< 0.1	104	3.1	8.2	15.9	7.75	14.0
A369351	4	0.070	2.98	3.22	0.01	0.22	8.00	24.4	152	219	1400	6.83	53.7	143	139	218	11.9	< 0.1	483	1.0	0.5	45.7	6.41	4.7
A369352	4	0.102	2.61	2.23	0.07	0.05	5.11	13.6	100	163	1100	6.06	37.2	105	120	172	8.14	< 0.1	9.5	1.0	2.7	38.5	3.86	5.2
A369353	5	0.094	1.08	0.90	0.10	0.42	2.32	2.2	12	8.9	672	15.6	44.8	171	387	139	3.42	0.1	< 0.1	5.3	4.1	22.6	4.69	45.8
A369354	6	0.128	2.49	1.36	0.16	0.14	4.28	5.3	34	60.7	1280	6.52	29.1	92.2	218	289	3.92	< 0.1	< 0.1	1.4	6.1	31.7	3.27	13.7
A369355	24	0.122	1.17	1.53	0.27	0.51	2.71	2.2	13	11.7	539	7.77	43.6	82.9	265	848	4.34	< 0.1	32.1	3.6	10.4	29.9	6.01	29.9
A369356	23	0.130	1.25	1.71	0.29	0.48	2.85	2.0	13	11.0	527	8.16	48.0	88.8	366	1390	4.76	< 0.1	32.2	5.1	11.6	39.7	6.95	28.9
A369357	9	0.099	1.90	1.46	0.20	0.16	4.22	2.8	19	32.2	814	6.64	45.3	86.5	222	360	3.59	< 0.1	20.8	3.0	7.8	51.2	4.81	14.7
A369358	5	0.085	4.72	3.64	0.10	< 0.02	4.25	14.4	104	194	1120	6.78	45.4	154	118	142	8.91	< 0.1	6.8	0.4	3.7	30.8	3.16	1.6
A369359	4	0.034	4.51	4.72	< 0.01	< 0.02	4.96	28.2	175	209	1360	7.80	50.3	128	130	142	13.5	0.2	4.1	0.5	0.1	16.7	6.58	1.9
A369360	8	0.163	1.59	2.52	0.32	0.17	0.21	5.7	41	64.7	214	6.87	58.6	75.3	445	628	6.93	< 0.1	< 0.1	2.9	12.6	24.4	4.57	18.6
A369361	8	0.109	0.55	1.48	0.29	0.63	0.53	1.8	10	8.4	223	8.29	78.9	55.1	189	490	4.34	< 0.1	26.5	3.0	11.3	18.2	5.20	57.9
A369362	7	0.105	1.24	1.65	0.23	0.70	1.60	2.9	22	30.7	574	14.2	104	111	361	727	5.27	0.1	32.8	6.7	9.7	23.1	6.07	58.3
A369363	7	0.103	3.62	3.38	0.12	0.05	5.71	12.5	97	173	1430	6.60	37.7	95.4	205	164	8.44	< 0.1	< 0.1	1.8	4.6	37.2	4.82	2.9
A369364	6	0.095	3.51	3.53	0.11	0.03	5.46	12.2	94	166	1270	6.25	38.5	104	174	164	8.46	< 0.1	< 0.1	0.5	4.1	31.4	5.69	2.1
A369365	9	0.101	1.65	2.48	0.28	0.41	1.24	5.5	43	70.4	409	11.1	88.8	122	557	277	6.77	< 0.1	< 0.1	5.6	10.9	18.3	5.09	42.1
A369366	6	0.059	3.10	3.47	0.04	< 0.02	6.53	22.0	148	231	1380	6.80	51.7	155	123	143	10.6	< 0.1	1.4	0.6	1.5	21.9	7.34	1.0
A369367	6	0.051	2.97	3.47	0.05	< 0.02	7.38	21.8	144	231	1520	6.79	52.8	159	127	141	10.2	< 0.1	< 0.1	0.7	2.0	24.8	8.13	1.0
A369368	6	0.051	3.03	3.88	0.04	< 0.02	9.38	25.0	160	239	1490	6.93	55.1	160	129	108	11.5	< 0.1	29.4	0.4	1.5	34.4	11.4	0.3
A369369	24	0.053	0.73	1.67	0.38	0.55	2.87	2.7	20	16.6	713	5.42	18.4	48.7	98.6	142	5.20	< 0.1	3.6	1.7	18.8	27.2	9.69	14.2

Activation Laboratories Ltd. Report: A11-9203

Analyte Symbol	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr
Unit Symbol	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5	0.01	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A369370	19	0.148	0.76	1.50	0.34	0.15	1.08	2.6	28	14.4	331	1.88	10.7	27.3	44.8	96.5	6.75	< 0.1	0.9	0.2	13.5	24.7	5.88	1.2
A369371	13	0.122	3.78	3.26	0.78	0.14	4.21	10.0	106	248	1050	7.24	59.0	314	136	114	11.1	< 0.1	14.7	0.9	41.0	72.5	10.3	7.7
A369372	26	0.128	1.27	1.97	0.46	0.20	1.15	5.3	42	45.1	460	2.85	20.0	61.5	64.5	68.9	7.94	< 0.1	11.3	0.5	17.5	25.8	6.34	2.6
A369373	3	0.262	1.82	1.83	0.09	< 0.02	4.38	14.0	115	76.6	1150	5.34	45.5	110	173	90.8	5.51	0.1	< 0.1	1.1	13.9	13.7	9.07	0.8
A369374	3	0.433	1.36	1.73	0.05	< 0.02	1.95	7.1	91	30.0	338	3.85	20.3	35.0	74.9	72.2	7.92	< 0.1	< 0.1	0.3	0.5	109	9.71	3.1
A369375	6	0.070	0.63	0.89	0.09	25.6	1.17	3.1	40	23.4	432	8.34	19.1	54.2	6030	> 10000	7.19	0.4	431	92.2	4.5	35.8	7.10	7.4
A369376	7	0.090	0.69	0.68	0.05	0.17	3.10	6.5	55	32.8	822	13.1	40.6	125	451	106	3.26	0.2	< 0.1	2.3	11.5	8.1	5.76	0.7
A369377	3	0.314	2.28	2.46	0.26	< 0.02	2.65	18.9	121	83.3	1010	5.11	38.5	84.1	142	70.7	2.60	0.1	< 0.1	0.2	65.3	9.2	8.17	0.2
A369378	3	0.287	1.85	1.89	0.38	< 0.02	3.89	18.5	130	86.6	1190	5.92	53.5	126	128	88.7	6.64	0.1	< 0.1	0.5	95.7	11.1	10.1	0.4
A369379	2	0.110	0.62	0.61	0.11	0.05	2.66	8.0	84	44.8	750	13.3	51.5	105	252	265	3.47	0.1	< 0.1	1.4	29.3	7.7	10.9	1.6
A369380	12	0.064	0.29	0.48	0.03	0.15	0.69	4.3	74	14.0	293	21.3	98.9	103	484	77.8	3.23	0.1	< 0.1	2.1	2.9	2.3	8.83	2.3
A369381	18	0.069	0.42	1.08	0.02	0.06	2.08	6.3	109	17.6	502	9.73	131	62.7	188	97.6	5.63	0.2	< 0.1	1.5	1.4	8.0	14.4	3.4
A369382	24	0.069	0.59	0.92	0.08	0.15	0.90	6.9	114	22.2	460	15.5	186	86.5	468	72.5	6.23	0.1	< 0.1	2.2	13.9	3.1	10.3	3.2
A369383	4	0.084	0.38	0.80	0.07	0.09	1.54	5.5	93	19.9	422	12.5	57.5	65.0	430	608	4.28	0.2	< 0.1	2.0	14.3	3.6	13.3	3.1
A369384	2	0.090	0.44	0.97	0.05	0.02	1.85	6.3	94	18.7	491	7.04	34.7	55.2	142	67.5	4.45	0.1	< 0.1	0.9	8.9	3.1	11.0	2.5
A369385	2	0.120	0.46	0.68	0.05	0.03	1.72	6.7	102	18.8	473	6.98	32.4	44.1	139	58.8	3.65	0.1	< 0.1	1.0	7.7	2.9	15.5	2.5
A369386	2	0.073	0.59	0.81	0.18	0.03	2.55	5.7	95	27.8	712	8.91	39.3	57.4	163	63.0	4.07	0.1	< 0.1	1.1	40.7	6.1	12.7	2.4
A369387	2	0.191	1.32	1.28	0.34	< 0.02	2.38	13.2	158	54.8	879	6.85	40.7	62.3	122	96.9	6.71	0.1	< 0.1	1.2	77.8	7.9	18.5	2.3
A369388	3	0.170	1.14	1.32	0.03	< 0.02	2.13	11.6	122	41.1	658	4.59	48.3	65.1	127	94.8	5.54	0.1	< 0.1	0.9	2.1	8.6	16.2	2.0
A369389	2	0.158	0.96	0.99	0.09	< 0.02	1.89	9.4	106	37.3	581	4.87	46.8	64.8	104	66.2	4.99	0.1	< 0.1	1.1	19.4	7.8	15.9	1.9
A369276																								
A369277																								
A369278																								
A369279																								
A369280																								
A369281																								
A369282																								
A369283																								
A369284																								
A369285																								
A369286																								
A369287																								
A369288																								
A369390																								
A369391																								
A369392																								
A369393																								
A369394																								
A369395																								
A369396																								
A369397																								
A369398																								
A369399																								
A369400																								

Analyte Symbol	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A369026	< 0.1	1.02	0.159	0.08	0.02	0.40	0.12	0.13	0.05	5.4	2.3	5.45	0.9	4.50	1.4	0.4	1.7	0.3	2.04	0.5	1.4	0.2	1.3	0.2
A369027	0.3	0.45	0.147	0.09	0.02	0.42	0.15	0.09	0.04	9.2	2.9	6.50	1.1	5.45	1.5	0.4	1.8	0.3	1.79	0.4	1.1	0.2	1.1	0.2
A369028	< 0.1	0.19	0.062	0.07	< 0.02	0.37	0.09	0.03	0.03	3.7	2.5	5.69	1.0	4.89	1.5	0.4	1.8	0.3	2.14	0.5	1.3	0.2	1.2	0.2
A369029	0.2	0.18	0.047	0.08	0.03	0.50	0.05	0.05	0.04	12.0	2.6	6.43	1.1	5.34	1.7	0.5	2.0	0.4	2.26	0.5	1.5	0.2	1.5	0.2
A369030	0.2	0.30	0.039	0.09	0.03	0.45	0.06	0.05	0.03	9.8	2.3	5.74	1.0	4.83	1.5	0.5	1.8	0.3	2.11	0.5	1.3	0.2	1.3	0.2
A369031	0.4	0.38	0.059	0.08	0.02	0.40	0.06	0.05	0.03	5.3	2.1	4.83	0.9	4.10	1.3	0.4	1.6	0.3	1.79	0.4	1.1	0.2	1.1	0.2
A369032	< 0.1	0.44	0.049	0.08	< 0.02	0.35	0.04	0.06	0.03	10.2	1.7	4.00	0.8	3.68	1.2	0.4	1.5	0.3	1.85	0.4	1.2	0.2	1.1	0.2
A369033	< 0.1	0.13	0.075	0.06	< 0.02	0.38	0.04	< 0.02	0.05	4.8	2.4	5.93	1.1	5.07	1.5	0.4	1.9	0.3	2.10	0.5	1.4	0.2	1.4	0.2
A369034	0.1	0.11	0.036	0.06	< 0.02	0.51	0.06	0.04	0.10	7.6	2.3	5.44	1.0	4.80	1.5	0.4	2.0	0.3	2.38	0.5	1.6	0.2	1.5	0.2
A369035	0.2	0.77	0.081	0.22	< 0.02	0.68	0.05	0.08	0.06	2.2	2.4	5.50	1.0	4.72	1.6	0.4	2.1	0.4	2.65	0.6	1.7	0.3	1.6	0.2
A369036	< 0.1	0.32	0.038	0.02	< 0.02	0.12	0.03	0.02	0.03	9.4	0.5	0.62	0.2	1.11	0.4	0.1	0.5	< 0.1	0.715	0.2	0.5	< 0.1	0.5	< 0.1
A369037	< 0.1	< 0.01	0.041	0.10	0.04	0.28	< 0.02	< 0.02	0.11	15.3	1.3	2.69	0.6	2.77	1.0	0.4	1.3	0.2	1.63	0.4	1.1	0.2	1.0	0.1
A369038	< 0.1	< 0.01	0.039	0.06	0.03	0.25	0.05	0.04	0.08	22.0	1.5	3.46	0.7	3.14	1.0	0.3	1.3	0.2	1.54	0.4	1.0	0.2	1.0	0.2
A369039	< 0.1	< 0.01	0.039	0.22	0.02	0.31	0.04	< 0.02	0.33	17.4	1.4	3.07	0.6	3.00	1.1	0.4	1.6	0.3	2.07	0.5	1.4	0.2	1.3	0.2
A369040	< 0.1	< 0.01	0.016	0.03	< 0.02	0.20	< 0.02	0.04	0.22	17.6	0.8	1.70	0.4	2.03	0.7	0.3	1.0	0.2	1.25	0.3	0.9	0.1	0.9	0.1
A369041	< 0.1	< 0.01	0.031	0.09	< 0.02	0.10	< 0.02	0.03	0.08	9.4	< 0.5	0.34	0.2	0.78	0.3	0.1	0.4	< 0.1	0.537	0.1	0.5	0.1	0.9	0.2
A369042	< 0.1	< 0.01	0.033	0.08	< 0.02	0.08	< 0.02	< 0.02	0.07	20.7	< 0.5	< 0.01	0.1	0.62	0.2	0.1	0.3	< 0.1	0.445	0.1	0.5	< 0.1	0.8	0.2
A369043	< 0.1	< 0.01	0.046	0.05	< 0.02	0.14	< 0.02	0.05	0.06	< 0.5	< 0.5	0.09	0.1	0.60	0.2	< 0.1	0.3	< 0.1	0.411	0.1	0.4	< 0.1	0.6	0.1
A369044	< 0.1	< 0.01	0.027	0.13	< 0.02	0.24	< 0.02	0.02	0.13	3.5	0.8	1.63	0.4	1.90	0.7	0.2	1.0	0.2	1.24	0.3	0.9	0.1	0.9	0.1
A369045	< 0.1	0.18	0.128	0.17	0.04	0.55	0.16	< 0.02	0.22	11.3	1.9	5.26	0.8	3.97	1.3	0.4	1.9	0.3	2.38	0.5	1.6	0.3	1.7	0.3
A369046	< 0.1	< 0.01	0.041	0.08	< 0.02	0.29	< 0.02	0.02	0.52	14.0	0.9	1.79	0.4	1.92	0.7	0.2	0.9	0.2	1.25	0.3	0.9	0.2	1.0	0.1
A369047	< 0.1	< 0.01	0.059	0.19	< 0.02	0.25	< 0.02	< 0.02	1.52	47.4	0.9	1.65	0.3	1.69	0.6	0.2	0.8	0.2	1.09	0.3	0.8	0.1	0.9	0.1
A369048	< 0.1	< 0.01	0.034	0.08	< 0.02	0.27	< 0.02	0.07	0.36	9.9	0.9	1.83	0.4	1.98	0.7	0.2	1.0	0.2	1.34	0.3	1.0	0.2	1.0	0.1
A369049	< 0.1	< 0.01	0.046	0.03	0.02	0.42	< 0.02	< 0.02	0.02	27.7	8.9	24.5	4.1	17.5	3.4	0.9	2.7	0.3	1.92	0.4	0.9	0.1	0.7	0.1
A369050	0.8	21.0	33.2	219	13.1	24.5	20.3	2.82	0.68	< 0.5	10.2	20.9	2.8	9.93	2.2	0.4	2.1	0.3	1.75	0.3	0.9	0.1	0.7	0.1
A369051	< 0.1	0.01	0.920	0.19	0.02	0.40	0.10	0.12	2.16	30.1	0.8	1.45	0.3	1.68	0.6	0.2	0.8	0.2	1.12	0.3	0.8	0.1	0.9	0.1
A369052	< 0.1	0.26	0.222	0.11	< 0.02	0.26	< 0.02	0.04	2.63	8.7	1.0	1.82	0.4	1.90	0.6	0.2	0.9	0.2	1.17	0.3	0.9	0.1	0.9	0.1
A369053	< 0.1	< 0.01	0.126	0.11	0.03	0.36	< 0.02	< 0.02	4.87	29.2	1.1	2.49	0.5	2.50	0.8	0.3	1.2	0.2	1.69	0.4	1.2	0.2	1.2	0.2
A369054	< 0.1	0.06	0.159	0.09	0.02	0.22	< 0.02	0.08	1.27	< 0.5	0.9	1.44	0.4	1.59	0.5	0.2	0.7	0.1	0.991	0.2	0.7	0.1	0.7	0.1
A369055	< 0.1	< 0.01	0.055	0.52	< 0.02	0.25	< 0.02	< 0.02	1.29	80.9	1.1	2.28	0.5	2.24	0.7	0.2	1.0	0.2	1.28	0.3	0.9	0.1	0.9	0.1
A369056	< 0.1	< 0.01	0.079	0.09	0.02	0.20	0.11	< 0.02	0.05	< 0.5	1.0	1.98	0.4	1.99	0.6	0.2	0.9	0.2	1.07	0.2	0.7	0.1	0.7	0.1
A369057	< 0.1	0.60	0.229	0.25	0.02	0.19	0.11	0.04	0.10	< 0.5	0.9	1.65	0.4	1.73	0.6	0.2	0.8	0.1	1.00	0.2	0.7	0.1	0.7	0.1
A369058	< 0.1	0.15	0.102	0.02	< 0.02	0.20	0.13	0.09	0.13	< 0.5	1.0	1.59	0.4	1.74	0.6	0.2	0.7	0.1	0.911	0.2	0.6	< 0.1	0.6	< 0.1
A369059	< 0.1	< 0.01	0.055	< 0.01	< 0.02	0.14	0.07	< 0.02	0.06	< 0.5	0.8	1.26	0.3	1.49	0.4	0.2	0.6	0.1	0.718	0.2	0.5	< 0.1	0.4	< 0.1
A369060	< 0.1	< 0.01	0.037	< 0.01	< 0.02	0.14	0.08	0.02	0.13	8.3	0.7	1.21	0.3	1.42	0.5	0.2	0.6	0.1	0.787	0.2	0.5	< 0.1	0.5	< 0.1
A369061	< 0.1	< 0.01	0.030	0.10	0.03	0.11	< 0.02	< 0.02	0.08	3.9	2.5	5.82	1.0	4.74	1.4	0.5	1.7	0.3	1.87	0.4	1.2	0.2	1.2	0.2
A369062	< 0.1	< 0.01	0.048	0.10	0.03	0.23	< 0.02	< 0.02	0.04	3.5	2.2	5.03	0.9	4.11	1.3	0.4	1.6	0.3	1.53	0.3	1.0	0.1	0.9	0.1
A369063	< 0.1	< 0.01	0.038	0.10	0.03	0.23	0.02	< 0.02	0.03	7.1	2.4	5.84	1.1	4.80	1.4	0.4	1.7	0.3	1.73	0.4	1.1	0.2	1.0	0.2
A369064	< 0.1	< 0.01	0.021	0.09	0.03	0.19	< 0.02	< 0.02	0.05	1.4	2.4	5.47	0.9	4.17	1.3	0.4	1.6	0.3	1.89	0.4	1.2	0.2	1.1	0.2
A369065	< 0.1	0.16	0.148	0.09	0.05	0.32	< 0.02	< 0.02	0.08	< 0.5	6.2	13.4	2.1	9.13	2.6	0.8	3.2	0.5	2.96	0.6	1.6	0.2	1.3	0.2
A369066	< 0.1	< 0.01	0.071	0.10	0.04	0.34	< 0.02	< 0.02	0.16	< 0.5	1.6	3.71	0.7	3.34	1.1	0.4	1.5	0.3	1.95	0.4	1.2	0.2	1.1	0.2
A369067	< 0.1	< 0.01	0.050	0.09	0.04	0.46	< 0.02	< 0.02	0.19	< 0.5	1.6	3.72	0.7	3.47	1.2	0.4	1.7	0.3	2.15	0.5	1.4	0.2	1.2	0.2
A369068	< 0.1	< 0.01	0.045	0.11	0.03	0.18	< 0.02	< 0.02	0.42	20.9	2.3	5.21	1.0	4.32	1.3	0.4	1.7	0.3	1.96	0.4	1.2	0.2	1.2	0.2
A369069	< 0.1	0.28	0.296	0.13	0.06	0.45	0.17	0.66	1.13	10.7	7.8	16.5	2.6	11.5	3.4	0.8	4.3	0.6	3.31	0.6	1.5	0.2	1.3	0.2
A369070	< 0.1	< 0.01	0.137	0.02	< 0.02	0.16	0.04	0.13	0.24	7.9	0.9	1.19	0.3	1.22	0.3	0.1	0.5	< 0.1	0.390	< 0.1	0.2	< 0.1	0.2	< 0.1
A369071	< 0.1	< 0.01	0.090	0.08	0.05	0.47	< 0.02	< 0.02	2.24	39.3	2.2	5.09	0.9	4.33	1.4	0.4	1.8	0.3	2.00	0.4	1.1	0.2	1.0	0.2
A369072	< 0.1	< 0.01	0.048	0.07	0.05	0.44	< 0.02	< 0.02	1.41	65.8	2.2	5.15	1.0	4.58	1.6	0.5	2.1	0.4	2.42	0.5	1.4	0.2	1.3	0.2
A369073	< 0.1	0.50	0.170	0.05	0.04	0.30	< 0.02	< 0.02	0.84	< 0.5	3.1	6.27	1.0	4.18	1.1	0.4	1.4	0.2	1.58	0.3	1.0	0.1	0.9	0.1
A369074	< 0.1	< 0.01	0.070	0.03	< 0.02	0.28	< 0.02	< 0.02	0.02	13.9	6.6	18.1	3.0	12.8	2.4	0.6	2.0	0.3	1.43	0.3	0.7	< 0.1	0.5	< 0.1
A369075	0.7	26.1	78.1	225	3.32	52.3	96.0	0.31	0.41	< 0.5	7.1	14.9	2.2	8.14	1.7	0.6	1.8	0.3	1.53	0.3	0.8	0.1	0.6	< 0.1
A369076	< 0.1	< 0.01	1.36	0.18	0.06	0.88	0.03	< 0.02	1.09	144	2.3	5.19	0.9	4.27	1.4	0.5	1.9	0.4	2.47	0.5	1.6	0.2	1.5	0.2
A369077	< 0.1	< 0.01	0.284	0.14	0.06	0.43	0.03	< 0.02	1.06	55.9	2.1	4.97	0.9	4.22	1.4	0.4	1.9	0.4	2.31	0.5	1.4	0.2	1.3	0.2

Analyte Symbol	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A369078	< 0.1	0.02	0.234	0.16	0.06	0.28	0.06	< 0.02	0.60	28.8	3.8	8.46	1.4	6.33	2.0	0.6	2.7	0.4	2.66	0.5	1.5	0.2	1.4	0.2
A369079	< 0.1	< 0.01	0.244	0.12	0.06	0.66	0.05	0.11	2.08	16.1	4.8	9.17	1.4	6.20	1.8	0.6	2.5	0.4	2.47	0.5	1.5	0.2	1.4	0.2
A369080	< 0.1	0.03	0.180	0.05	0.03	0.28	0.05	0.06	0.34	27.8	1.7	3.25	0.6	2.51	0.8	0.3	1.1	0.2	1.32	0.3	0.7	0.1	0.6	0.1
A369081	< 0.1	< 0.01	0.109	0.37	0.08	0.45	< 0.02	0.03	0.97	58.1	3.1	7.01	1.2	5.45	1.7	0.6	2.2	0.4	2.62	0.6	1.6	0.2	1.5	0.2
A369082	< 0.1	< 0.01	0.084	0.18	0.08	0.67	< 0.02	< 0.02	2.61	48.3	3.1	7.65	1.4	6.26	2.0	0.6	2.6	0.5	2.89	0.6	1.6	0.2	1.5	0.2
A369083	< 0.1	< 0.01	0.084	0.06	0.02	0.51	0.04	< 0.02	1.01	15.7	1.2	2.14	0.5	2.27	0.7	0.2	1.0	0.2	1.04	0.2	0.6	< 0.1	0.5	< 0.1
A369084	< 0.1	< 0.01	0.070	0.16	0.07	0.25	< 0.02	< 0.02	0.72	32.3	3.0	7.25	1.3	6.11	2.0	0.6	2.7	0.5	3.13	0.6	1.8	0.3	1.7	0.3
A369085	< 0.1	0.06	0.107	0.12	0.05	0.41	0.08	< 0.02	0.81	20.2	3.8	8.71	1.5	6.69	2.0	0.7	2.8	0.5	2.83	0.6	1.6	0.2	1.4	0.2
A369086	< 0.1	0.64	0.308	0.15	0.06	0.66	0.10	0.29	1.56	21.5	4.4	8.63	1.4	5.94	1.8	0.4	2.4	0.4	2.49	0.5	1.4	0.2	1.3	0.2
A369087	< 0.1	2.34	0.615	2.95	0.25	0.78	0.50	0.53	1.01	3.4	10.4	21.4	2.7	9.32	1.7	0.4	1.5	0.2	1.17	0.2	0.6	< 0.1	0.6	0.1
A369088	< 0.1	2.94	0.290	2.14	0.16	0.55	0.53	0.22	0.39	8.3	19.4	37.6	4.8	16.0	2.8	0.7	2.4	0.3	1.62	0.3	0.8	0.1	0.8	0.1
A369089	< 0.1	3.25	0.391	0.81	0.05	0.78	0.22	0.18	0.44	54.5	21.5	39.8	4.9	16.1	2.7	0.6	2.1	0.3	1.43	0.3	0.7	0.1	0.7	0.1
A369090	< 0.1	3.64	0.382	4.28	0.32	0.59	1.08	0.45	0.28	6.4	15.9	31.3	4.1	13.6	2.4	0.6	2.2	0.3	1.46	0.3	0.7	0.1	0.7	0.1
A369091	< 0.1	3.81	0.273	1.90	0.09	0.86	0.61	0.41	0.39	13.9	11.9	23.0	2.8	9.60	1.7	0.5	1.6	0.2	1.26	0.2	0.7	0.1	0.7	0.1
A369092	< 0.1	2.95	0.318	3.65	0.19	0.73	0.91	0.73	0.35	5.6	5.9	11.1	1.4	4.94	0.9	0.3	1.1	0.2	1.10	0.2	0.7	0.1	0.8	0.1
A369093	< 0.1	3.98	0.374	3.27	0.19	0.66	0.57	0.18	0.34	14.7	7.8	15.1	1.9	6.34	1.2	0.4	1.3	0.2	1.19	0.2	0.7	0.1	0.7	0.1
A369094	< 0.1	3.45	0.576	4.27	0.20	0.99	0.74	0.31	0.74	6.6	10.4	20.9	2.6	8.81	1.7	0.5	1.7	0.3	1.51	0.3	0.9	0.1	0.9	0.1
A369095	< 0.1	1.29	0.962	0.79	0.10	0.40	1.41	0.53	0.51	2.0	7.5	15.0	2.0	7.15	1.5	0.4	1.7	0.3	1.51	0.3	0.9	0.1	0.7	0.1
A369096	< 0.1	1.08	0.518	0.78	0.09	0.58	1.35	0.17	1.03	13.6	8.6	17.1	2.2	7.74	1.7	0.5	2.0	0.3	1.93	0.4	1.1	0.2	1.0	0.2
A369097	< 0.1	0.05	0.253	0.47	0.06	0.24	0.23	0.04	0.60	29.7	4.5	8.96	1.2	4.85	1.2	0.4	1.5	0.3	1.53	0.3	0.9	0.1	0.8	0.1
A369098	< 0.1	0.01	0.165	0.10	0.05	0.22	0.46	< 0.02	0.76	32.3	7.9	14.3	1.9	6.88	1.7	0.5	2.0	0.3	2.09	0.4	1.2	0.2	1.1	0.2
A369099	< 0.1	< 0.01	0.115	0.03	< 0.02	0.32	< 0.02	< 0.02	< 0.02	21.6	7.2	19.7	3.2	13.1	2.6	0.7	2.2	0.3	1.53	0.3	0.7	0.1	0.5	< 0.1
A369100	1.2	41.8	36.5	193	12.0	22.4	20.0	2.52	0.57	< 0.5	8.3	16.3	2.1	7.43	1.6	0.3	1.7	0.3	1.44	0.3	0.7	0.1	0.6	< 0.1
A369289	< 0.1	0.09	1.45	0.10	0.05	0.46	< 0.02	< 0.02	0.15	20.3	2.8	6.86	1.1	4.96	1.6	0.6	2.1	0.4	2.44	0.5	1.5	0.2	1.2	0.2
A369290	< 0.1	< 0.01	0.133	< 0.01	0.05	0.09	< 0.02	< 0.02	0.08	5.3	2.6	5.69	0.9	4.05	1.2	0.4	1.6	0.3	1.79	0.4	1.1	0.2	0.9	0.1
A369291	< 0.1	0.21	0.234	0.11	0.04	0.32	0.10	0.11	0.28	18.4	11.5	22.6	3.0	11.1	2.3	0.7	2.7	0.4	1.94	0.4	1.0	0.2	1.0	0.2
A369292	< 0.1	0.91	0.368	3.57	0.31	0.50	0.09	0.91	0.95	3.9	23.6	44.2	5.6	18.9	2.9	0.7	2.3	0.3	1.39	0.3	0.7	0.1	0.6	0.1
A369293	< 0.1	1.04	0.343	1.67	0.18	0.72	1.06	1.69	0.97	4.1	44.9	87.5	11.5	38.9	5.5	1.3	4.0	0.4	2.01	0.4	0.9	0.1	0.7	0.1
A369294	< 0.1	1.48	0.554	3.53	0.43	0.67	2.53	3.82	0.79	3.3	37.2	72.1	9.6	31.8	4.6	1.1	3.7	0.4	1.99	0.4	0.9	0.1	0.7	0.1
A369295	< 0.1	1.09	0.243	1.07	0.14	0.54	0.95	0.63	0.43	< 0.5	13.9	27.1	3.5	11.8	1.8	0.5	1.5	0.2	0.988	0.2	0.5	< 0.1	0.4	< 0.1
A369296	< 0.1	1.02	0.521	1.05	0.15	0.86	2.83	1.14	3.75	1.4	21.5	41.6	5.3	17.3	2.7	0.7	2.6	0.3	1.73	0.3	0.8	0.1	0.6	0.1
A369297	< 0.1	0.71	0.791	6.58	0.69	0.92	2.55	1.62	0.94	< 0.5	10.0	19.5	2.4	8.61	1.5	0.4	1.6	0.2	1.30	0.3	0.7	0.1	0.7	0.1
A369298	< 0.1	0.73	0.217	0.44	0.05	0.71	0.17	0.24	1.86	18.4	22.7	44.5	5.6	19.1	3.1	0.8	2.6	0.3	1.65	0.3	0.8	0.1	0.7	0.1
A369299	< 0.1	< 0.01	0.101	0.03	0.03	0.50	< 0.02	< 0.02	0.03	28.8	10.9	29.9	4.8	19.7	3.7	1.0	3.1	0.4	2.11	0.4	1.0	0.1	0.8	0.1
A369300	1.8	46.2	46.2	238	14.4	27.4	22.8	3.28	0.75	< 0.5	10.2	20.5	2.7	9.48	2.1	0.4	2.1	0.3	1.83	0.3	0.9	0.1	0.7	0.1
A369301	< 0.1	2.30	1.22	0.07	0.02	0.89	0.20	0.63	1.57	22.4	18.6	37.3	4.7	15.4	2.5	0.6	2.1	0.3	1.65	0.3	0.9	0.1	0.9	0.1
A369302	< 0.1	0.94	0.348	0.03	0.02	0.70	0.15	0.55	2.24	17.8	28.1	57.0	7.3	24.9	4.1	0.9	3.4	0.4	1.90	0.3	0.9	0.1	0.8	0.1
A369303	< 0.1	0.56	0.182	0.06	0.02	0.73	0.10	0.40	4.64	22.7	17.7	36.1	4.4	14.6	2.4	0.6	2.3	0.3	1.65	0.3	0.8	0.1	0.6	< 0.1
A369304	< 0.1	0.58	0.176	0.09	0.03	0.65	0.06	0.63	3.46	23.6	16.4	33.3	4.3	14.9	2.7	0.7	2.6	0.4	2.01	0.4	1.1	0.2	0.9	0.1
A369305	< 0.1	< 0.01	0.099	0.04	0.03	0.15	< 0.02	0.12	0.32	54.7	2.2	5.22	0.9	4.07	1.4	0.3	1.9	0.3	1.85	0.4	1.0	0.2	1.0	0.2
A369306	< 0.1	< 0.01	0.061	0.10	0.02	0.23	0.06	< 0.02	0.05	6.1	1.0	2.42	0.4	2.01	0.6	0.3	0.9	0.2	1.23	0.3	0.8	0.1	0.8	0.1
A369307	< 0.1	< 0.01	0.095	0.06	0.02	0.21	0.06	< 0.02	0.08	3.7	1.3	3.35	0.6	2.72	0.9	0.3	1.2	0.2	1.56	0.3	1.0	0.2	0.9	0.1
A369308	< 0.1	< 0.01	0.068	0.04	< 0.02	0.18	0.07	< 0.02	0.13	1.8	1.1	2.70	0.5	2.07	0.7	0.3	0.9	0.2	1.09	0.2	0.7	0.1	0.7	0.1
A369309	< 0.1	0.63	0.186	0.02	< 0.02	0.19	0.04	< 0.02	0.11	1.6	0.9	1.89	0.4	1.75	0.6	0.2	0.8	0.2	1.12	0.3	0.8	0.1	0.8	0.1
A369310	< 0.1	0.11	0.088	0.05	< 0.02	0.18	0.08	< 0.02	0.04	1.3	0.9	1.84	0.4	1.78	0.6	0.2	0.9	0.2	1.11	0.2	0.7	0.1	0.7	0.1
A369311	< 0.1	0.03	0.056	0.09	< 0.02	0.17	0.05	< 0.02	0.05	1.9	0.8	1.68	0.3	1.51	0.5	0.2	0.7	0.1	0.899	0.2	0.6	0.1	0.7	0.1
A369312	< 0.1	< 0.01	0.045	0.06	< 0.02	0.14	0.05	< 0.02	0.04	0.5	0.5	1.02	0.2	1.06	0.3	0.1	0.5	< 0.1	0.655	0.1	0.5	< 0.1	0.5	< 0.1
A369313	< 0.1	< 0.01	0.067	0.05	< 0.02	0.16	0.11	< 0.02	0.04	1.8	0.5	0.98	0.2	1.01	0.3	0.1	0.5	< 0.1	0.580	0.1	0.4	< 0.1	0.4	< 0.1
A369314	< 0.1	0.26	0.087	0.06	< 0.02	0.17	0.25	0.06	0.06	2.0	0.8	1.80	0.3	1.31	0.4	0.2	0.6	0.1	0.762	0.2	0.5	< 0.1	0.5	< 0.1
A369315	< 0.1	< 0.01	0.058	0.06	< 0.02	0.22	0.04	< 0.02	0.06	17.7	0.9	2.02	0.4	1.77	0.6	0.2	0.9	0.2	1.13	0.3	0.8	0.1	0.7	0.1
A369316	0.3	< 0.01	0.068	0.73	< 0.02	0.24	0.06	< 0.02	0.08	1.2	0.9	1.81	0.3	1.48	0.5	0.2	0.7	0.1	0.899	0.2	0.6	< 0.1	0.6	< 0.1
A369317	0.1	< 0.01	0.060	0.08	< 0.02	0.17	0.03	< 0.02	0.11	6.7	1.0	2.14	0.4	1.76	0.6	0.2	0.8	0.2	1.12	0.3	0.8	0.1	0.8	0.1

Analyte Symbol	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A369318	0.3	0.11	0.080	0.05	< 0.02	0.21	0.09	< 0.02	0.08	8.2	0.8	1.74	0.3	1.48	0.5	0.2	0.7	0.1	0.819	0.2	0.5	< 0.1	0.5	< 0.1
A369319	0.4	0.21	0.201	0.09	< 0.02	0.12	0.15	0.09	0.07	< 0.5	0.5	0.89	0.2	0.81	0.3	< 0.1	0.4	< 0.1	0.469	0.1	0.3	< 0.1	0.4	< 0.1
A369320	< 0.1	< 0.01	0.083	0.05	< 0.02	0.17	0.10	< 0.02	0.06	2.7	0.9	2.11	0.4	1.76	0.6	0.2	0.8	0.2	0.965	0.2	0.6	0.1	0.6	< 0.1
A369321	< 0.1	< 0.01	0.043	0.09	< 0.02	0.14	0.05	< 0.02	0.06	1.8	0.6	1.22	0.2	1.06	0.3	0.1	0.5	< 0.1	0.592	0.1	0.4	< 0.1	0.4	< 0.1
A369322	< 0.1	< 0.01	0.020	0.04	< 0.02	0.15	0.08	< 0.02	0.03	1.0	0.7	1.41	0.3	1.28	0.4	0.2	0.6	0.1	0.763	0.2	0.5	< 0.1	0.5	< 0.1
A369323	< 0.1	< 0.01	0.041	0.10	< 0.02	0.13	0.08	< 0.02	0.04	1.2	0.6	1.18	0.2	1.06	0.3	0.1	0.5	< 0.1	0.637	0.2	0.5	< 0.1	0.5	< 0.1
A369324	< 0.1	< 0.01	0.021	0.03	0.02	0.35	< 0.02	< 0.02	0.02	25.7	8.3	23.0	3.9	15.9	3.0	0.8	2.5	0.3	1.78	0.3	0.9	0.1	0.7	< 0.1
A369325	0.8	20.0	60.7	177	2.59	40.6	78.7	0.14	0.31	< 0.5	5.7	12.1	1.8	6.31	1.3	0.4	1.3	0.2	1.22	0.2	0.6	< 0.1	0.4	< 0.1
A369326	0.1	0.36	2.34	0.17	< 0.02	0.52	0.62	0.09	0.06	2.2	0.6	1.12	0.2	0.98	0.3	0.1	0.4	< 0.1	0.535	0.1	0.4	< 0.1	0.5	< 0.1
A369327	< 0.1	< 0.01	0.284	0.06	< 0.02	0.23	0.09	< 0.02	0.03	1.6	0.6	1.34	0.3	1.22	0.4	0.1	0.6	0.1	0.755	0.2	0.5	< 0.1	0.6	< 0.1
A369328	< 0.1	< 0.01	0.149	0.07	< 0.02	0.22	0.09	< 0.02	0.12	3.6	0.7	1.43	0.3	1.23	0.4	0.2	0.6	0.1	0.791	0.2	0.6	< 0.1	0.6	< 0.1
A369329	< 0.1	< 0.01	0.105	0.16	0.05	0.07	0.21	< 0.02	0.30	21.8	2.2	5.57	0.9	4.49	1.4	0.4	1.8	0.3	1.63	0.3	0.8	0.1	0.9	0.1
A369330	< 0.1	< 0.01	0.105	0.11	0.04	0.08	0.27	< 0.02	0.38	38.0	2.7	6.26	1.0	4.69	1.5	0.5	1.8	0.3	1.82	0.4	1.0	0.2	1.0	0.2
A369331	< 0.1	< 0.01	0.068	0.14	0.03	0.09	0.39	< 0.02	0.56	43.5	5.3	10.7	1.5	5.91	1.5	0.5	1.8	0.3	1.77	0.4	1.0	0.2	1.0	0.2
A369332	< 0.1	0.16	0.060	0.16	0.03	0.22	0.41	0.10	0.73	45.9	17.2	34.3	4.3	14.5	2.2	0.7	1.8	0.2	1.37	0.3	0.8	0.1	0.7	0.1
A369333	< 0.1	0.44	0.081	0.11	0.05	0.50	0.48	0.30	0.83	26.8	21.3	40.6	5.1	16.9	2.3	0.6	1.8	0.2	1.12	0.2	0.6	< 0.1	0.5	< 0.1
A369334	< 0.1	0.84	0.160	0.98	0.12	0.40	0.51	1.08	0.63	9.9	19.6	37.8	4.6	15.1	2.2	0.6	1.7	0.2	1.24	0.2	0.6	< 0.1	0.5	< 0.1
A369335	< 0.1	1.67	0.290	0.53	0.07	0.34	0.36	0.84	0.65	16.9	20.7	39.3	4.8	15.6	2.3	0.6	1.9	0.2	1.23	0.2	0.6	< 0.1	0.5	< 0.1
A369336	< 0.1	0.63	0.173	0.27	0.04	0.15	0.48	0.55	0.46	22.3	12.3	23.3	2.8	9.54	1.5	0.5	1.4	0.2	0.995	0.2	0.5	< 0.1	0.5	< 0.1
A369337	< 0.1	< 0.01	0.105	< 0.01	0.03	0.05	0.29	0.07	0.27	37.9	2.5	5.64	0.9	4.32	1.4	0.4	1.6	0.3	1.43	0.3	0.8	0.1	0.7	0.1
A369338	< 0.1	0.40	0.129	0.03	0.04	0.14	0.44	0.36	0.23	53.3	9.0	18.6	2.4	8.93	1.8	0.6	1.7	0.2	1.35	0.3	0.7	0.1	0.6	< 0.1
A369339	< 0.1	< 0.01	0.067	< 0.01	0.04	0.06	0.32	< 0.02	0.09	21.5	4.7	9.51	1.3	5.41	1.4	0.5	1.5	0.2	1.30	0.2	0.7	< 0.1	0.6	< 0.1
A369340	< 0.1	0.61	0.117	0.09	0.03	0.18	0.58	0.74	0.38	14.1	18.0	36.3	4.6	15.8	2.4	0.6	1.9	0.2	1.17	0.2	0.6	< 0.1	0.5	< 0.1
A369341	< 0.1	1.47	0.262	0.77	0.14	0.23	1.20	1.63	0.46	10.3	15.7	31.3	3.9	13.0	2.0	0.5	1.6	0.2	0.972	0.2	0.5	< 0.1	0.4	< 0.1
A369342	< 0.1	1.50	0.295	0.88	0.16	0.27	1.71	1.74	0.50	12.0	17.6	35.0	4.4	14.7	2.3	0.5	1.8	0.2	1.05	0.2	0.5	< 0.1	0.4	< 0.1
A369343	< 0.1	0.89	0.276	0.59	0.13	0.38	0.77	1.32	0.43	6.6	18.6	37.1	4.9	16.9	2.7	0.5	2.1	0.2	1.17	0.2	0.6	< 0.1	0.5	< 0.1
A369344	< 0.1	0.96	0.399	1.15	0.20	0.34	1.77	1.27	0.38	19.1	11.2	22.5	2.8	9.98	1.8	0.5	1.6	0.2	0.985	0.2	0.5	< 0.1	0.4	< 0.1
A369345	< 0.1	< 0.01	0.161	1.58	0.19	0.17	0.80	0.19	0.33	21.9	4.3	7.72	1.2	5.06	1.5	0.6	1.7	0.2	1.18	0.2	0.6	< 0.1	0.6	< 0.1
A369346	< 0.1	< 0.01	0.086	1.66	0.21	0.16	0.70	0.11	0.26	16.0	3.2	7.00	1.1	4.42	1.2	0.4	1.4	0.2	1.04	0.2	0.5	< 0.1	0.5	< 0.1
A369347	< 0.1	< 0.01	0.053	0.11	0.05	< 0.05	0.50	< 0.02	0.16	9.2	2.0	4.63	0.8	3.85	1.3	0.4	1.5	0.2	1.34	0.3	0.7	< 0.1	0.7	0.1
A369348	< 0.1	< 0.01	0.033	0.02	0.04	< 0.05	0.41	< 0.02	0.13	4.8	1.8	4.41	0.8	3.68	1.3	0.5	1.6	0.3	1.43	0.3	0.8	0.1	0.7	0.1
A369349	0.2	< 0.01	0.255	0.03	0.02	0.35	< 0.02	< 0.02	0.03	28.1	7.9	21.5	3.4	14.0	2.6	0.7	2.1	0.3	1.40	0.3	0.7	< 0.1	0.5	< 0.1
A369350	1.2	19.7	28.8	187	11.1	20.3	19.7	2.52	0.62	< 0.5	9.2	18.8	2.5	8.85	1.9	0.4	1.9	0.3	1.60	0.3	0.8	0.1	0.6	< 0.1
A369351	< 0.1	< 0.01	1.36	0.10	0.05	0.20	0.92	0.17	0.19	2.4	2.0	4.34	0.7	3.40	1.1	0.4	1.4	0.2	1.24	0.2	0.7	0.1	0.6	0.1
A369352	< 0.1	< 0.01	0.304	0.19	0.03	0.10	1.07	0.03	0.19	12.9	2.3	4.29	0.7	3.04	0.9	0.3	1.1	0.2	0.898	0.2	0.5	< 0.1	0.4	< 0.1
A369353	< 0.1	0.49	0.582	0.27	0.05	0.20	7.16	0.79	0.21	3.8	7.7	15.8	2.0	7.01	1.3	0.3	1.2	0.2	0.923	0.2	0.5	< 0.1	0.5	< 0.1
A369354	< 0.1	< 0.01	0.298	0.57	0.06	0.20	3.20	0.22	0.30	17.5	4.5	8.23	1.1	4.11	1.0	0.3	1.0	0.2	0.804	0.1	0.4	< 0.1	0.4	< 0.1
A369355	< 0.1	1.28	0.549	1.65	0.25	0.65	12.1	1.07	0.67	10.4	14.9	29.8	3.6	12.4	2.0	0.5	1.7	0.2	1.24	0.2	0.6	< 0.1	0.5	< 0.1
A369356	< 0.1	1.47	0.477	2.83	0.39	0.61	7.53	0.65	0.76	14.6	19.7	38.1	4.7	15.2	2.4	0.6	1.9	0.2	1.19	0.2	0.6	< 0.1	0.5	< 0.1
A369357	< 0.1	0.77	0.331	0.75	0.09	0.28	2.76	0.36	0.61	17.5	8.0	15.3	1.9	6.64	1.3	0.4	1.4	0.2	1.00	0.2	0.5	< 0.1	0.4	< 0.1
A369358	< 0.1	< 0.01	0.140	0.09	0.03	0.06	0.76	< 0.02	0.18	19.2	1.5	2.61	0.5	2.27	0.7	0.3	0.9	0.1	0.718	0.1	0.4	< 0.1	0.3	< 0.1
A369359	< 0.1	< 0.01	0.096	0.01	0.04	< 0.05	0.57	< 0.02	0.10	< 0.5	2.6	6.22	1.1	5.09	1.7	0.5	2.1	0.3	1.69	0.3	0.8	0.1	0.7	0.1
A369360	< 0.1	0.65	0.180	1.25	0.17	0.49	1.64	0.30	0.40	0.6	12.6	26.3	3.4	11.5	1.9	0.4	1.5	0.2	1.02	0.2	0.5	< 0.1	0.5	< 0.1
A369361	< 0.1	0.80	0.322	0.95	0.12	0.35	5.99	1.11	0.41	< 0.5	17.5	35.5	4.5	14.8	2.4	0.5	2.0	0.2	1.29	0.2	0.6	< 0.1	0.6	0.1
A369362	< 0.1	1.06	0.661	1.48	0.20	0.37	8.88	2.29	0.34	0.6	13.2	26.0	3.2	10.6	1.7	0.4	1.4	0.2	1.01	0.2	0.5	< 0.1	0.5	< 0.1
A369363	< 0.1	< 0.01	0.246	0.06	0.03	0.18	2.03	0.21	0.41	26.9	2.3	4.27	0.7	3.27	1.0	0.2	1.2	0.2	0.971	0.2	0.5	< 0.1	0.5	< 0.1
A369364	< 0.1	< 0.01	0.158	0.04	0.03	0.15	1.32	0.07	0.31	9.8	3.8	6.78	1.0	4.24	1.2	0.3	1.6	0.2	1.34	0.3	0.7	< 0.1	0.7	0.1
A369365	< 0.1	1.25	0.403	0.83	0.08	0.32	2.93	1.05	0.38	4.2	10.5	20.9	2.7	9.24	1.7	0.4	1.6	0.2	1.08	0.2	0.5	< 0.1	0.5	< 0.1
A369366	< 0.1	0.64	0.202	0.05	0.03	< 0.05	0.43	< 0.02	0.18	12.6	1.5	3.64	0.7	3.31	1.2	0.3	1.5	0.3	1.48	0.3	0.7	0.1	0.7	0.1
A369367	< 0.1	0.02	0.084	0.07	0.03	< 0.05	0.63	< 0.02	0.21	19.0	1.7	4.04	0.7	3.60	1.3	0.4	1.8	0.3	1.74	0.3	0.9	0.1	0.8	0.1
A369368	< 0.1	0.01	0.040	0.08	0.04	< 0.05	0.54	< 0.02	0.10	9.7	1.8	4.32	0.7	3.54	1.2	0.4	1.6	0.3	1.82	0.4	1.0	0.1	0.8	0.1
A369369	< 0.1	2.28	0.146	0.24	0.03	0.35	0.57	< 0.02	1.63	17.9	15.1	30.1	3.8	13.3	2.5	0.7	2.3	0.3	1.93	0.4	1.0	0.2	0.9	0.2

Analyte Symbol	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A369370	< 0.1	0.44	0.080	0.13	< 0.02	0.28	0.05	< 0.02	0.75	88.0	17.7	33.9	4.1	13.5	2.2	0.5	1.8	0.2	1.21	0.2	0.6	< 0.1	0.4	< 0.1
A369371	< 0.1	< 0.01	0.242	0.05	< 0.02	0.20	0.19	< 0.02	3.62	19.2	10.6	23.5	3.2	11.6	2.4	0.6	2.1	0.3	1.87	0.4	1.0	0.1	0.8	0.1
A369372	< 0.1	0.43	0.136	0.06	< 0.02	0.19	0.14	< 0.02	1.32	41.8	16.1	31.2	3.8	12.8	2.2	0.5	1.8	0.2	1.31	0.2	0.6	< 0.1	0.5	< 0.1
A369373	< 0.1	< 0.01	0.088	0.05	< 0.02	0.18	< 0.02	< 0.02	2.08	55.4	1.1	2.55	0.4	1.97	0.7	0.2	0.9	0.2	1.30	0.3	0.9	0.1	1.0	0.1
A369374	0.1	< 0.01	0.052	0.02	0.02	0.37	< 0.02	< 0.02	0.02	27.8	8.3	23.7	3.9	16.6	3.3	0.8	2.7	0.4	1.89	0.4	0.9	0.1	0.7	0.1
A369375	0.8	18.2	58.0	170	2.43	38.0	75.5	0.13	0.32	< 0.5	6.0	13.4	1.9	6.94	1.4	0.5	1.5	0.2	1.28	0.3	0.7	< 0.1	0.5	< 0.1
A369376	0.1	< 0.01	2.50	0.22	< 0.02	0.60	< 0.02	0.06	1.54	1.3	1.4	2.74	0.4	1.92	0.5	0.2	0.7	0.1	0.931	0.2	0.6	< 0.1	0.6	0.1
A369377	< 0.1	< 0.01	0.412	0.05	< 0.02	0.29	< 0.02	< 0.02	10.3	356	0.9	1.86	0.4	1.72	0.6	0.2	0.9	0.2	1.35	0.3	1.0	0.2	1.0	0.2
A369378	< 0.1	< 0.01	0.113	0.03	< 0.02	0.26	< 0.02	< 0.02	12.5	13.1	0.8	2.17	0.4	2.03	0.7	0.3	1.1	0.2	1.58	0.4	1.1	0.2	1.1	0.2
A369379	0.3	< 0.01	0.250	1.00	< 0.02	0.43	< 0.02	0.10	3.05	< 0.5	1.5	3.66	0.6	2.86	1.0	0.3	1.3	0.3	1.73	0.4	1.1	0.2	1.1	0.2
A369380	1.1	0.13	0.359	0.23	0.02	0.61	< 0.02	0.08	0.27	< 0.5	1.9	3.41	0.6	2.48	0.7	0.2	1.0	0.2	1.33	0.3	1.0	0.2	0.9	0.1
A369381	1.3	< 0.01	0.231	0.27	0.03	0.77	0.06	< 0.02	0.10	2.2	2.6	6.25	1.0	4.41	1.4	0.4	1.8	0.3	2.28	0.5	1.6	0.2	1.5	0.2
A369382	1.3	0.06	0.303	0.14	0.04	0.88	< 0.02	0.12	2.35	< 0.5	1.6	3.60	0.6	2.69	0.8	0.3	1.2	0.2	1.68	0.4	1.2	0.2	1.2	0.2
A369383	1.3	0.08	0.267	0.24	0.03	0.58	0.05	< 0.02	2.39	2.8	3.0	6.61	1.0	4.77	1.3	0.4	1.7	0.3	1.89	0.4	1.2	0.2	1.2	0.2
A369384	0.9	< 0.01	0.128	0.06	0.02	0.49	0.03	< 0.02	1.90	11.0	2.7	6.54	1.0	4.73	1.3	0.4	1.7	0.3	2.07	0.4	1.3	0.2	1.3	0.2
A369385	1.1	< 0.01	0.114	0.03	< 0.02	0.52	< 0.02	< 0.02	1.63	9.7	2.5	6.65	1.1	5.49	1.8	0.6	2.4	0.5	2.98	0.6	1.9	0.3	1.8	0.3
A369386	0.8	< 0.01	0.159	0.03	< 0.02	0.42	0.03	< 0.02	7.57	< 0.5	2.9	7.30	1.2	5.40	1.6	0.5	2.0	0.4	2.33	0.5	1.5	0.2	1.5	0.2
A369387	0.3	< 0.01	0.117	0.04	0.03	0.54	< 0.02	< 0.02	12.7	1.5	2.3	6.80	1.2	5.86	2.0	0.7	2.7	0.5	3.23	0.7	2.1	0.3	1.9	0.3
A369388	0.7	< 0.01	0.089	0.06	0.03	0.55	< 0.02	< 0.02	0.29	34.3	3.0	7.91	1.3	6.06	1.9	0.6	2.5	0.5	2.91	0.6	1.8	0.3	1.7	0.3
A369389	0.5	< 0.01	0.072	0.05	0.02	0.44	< 0.02	< 0.02	3.20	10.1	2.2	6.14	1.1	5.24	1.8	0.7	2.4	0.5	2.95	0.6	1.8	0.3	1.6	0.3
A369276																								
A369277																								
A369278																								
A369279																								
A369280																								
A369281																								
A369282																								
A369283																								
A369284																								
A369285																								
A369286																								
A369287																								
A369288																								
A369390																								
A369391																								
A369392																								
A369393																								
A369394																								
A369395																								
A369396																								
A369397																								
A369398																								
A369399																								
A369400																								

Analyte Symbol	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A369026	< 0.1	< 0.05	0.3	0.002	< 5	0.02	0.95	0.5	< 0.1
A369027	0.1	< 0.05	0.3	0.001	< 5	0.02	1.62	0.4	< 0.1
A369028	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	0.62	0.3	< 0.1
A369029	< 0.1	< 0.05	0.2	0.002	< 5	< 0.02	0.71	0.4	< 0.1
A369030	< 0.1	< 0.05	0.1	0.003	< 5	< 0.02	0.80	0.3	< 0.1
A369031	0.1	< 0.05	0.2	0.002	< 5	< 0.02	1.10	0.3	< 0.1
A369032	< 0.1	< 0.05	0.2	0.001	< 5	< 0.02	0.71	0.2	< 0.1
A369033	< 0.1	< 0.05	0.4	< 0.001	27	< 0.02	0.63	0.3	< 0.1
A369034	< 0.1	< 0.05	0.5	0.003	< 5	< 0.02	1.26	0.3	< 0.1
A369035	< 0.1	< 0.05	0.4	0.002	< 5	< 0.02	1.93	0.3	< 0.1
A369036	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	0.76	< 0.1	< 0.1
A369037	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.41	0.1	< 0.1
A369038	< 0.1	< 0.05	0.1	0.001	< 5	< 0.02	0.80	0.2	< 0.1
A369039	< 0.1	< 0.05	0.1	0.001	< 5	< 0.02	1.94	0.2	< 0.1
A369040	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	0.56	0.1	< 0.1
A369041	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.44	< 0.1	< 0.1
A369042	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	0.47	< 0.1	< 0.1
A369043	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	0.56	< 0.1	< 0.1
A369044	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.34	< 0.1	< 0.1
A369045	< 0.1	< 0.05	0.2	0.001	< 5	< 0.02	1.79	0.2	< 0.1
A369046	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	0.74	< 0.1	< 0.1
A369047	< 0.1	< 0.05	0.1	0.001	< 5	0.06	1.45	0.1	< 0.1
A369048	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	1.12	< 0.1	< 0.1
A369049	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	1.03	0.2	< 0.1
A369050	0.5	< 0.05	3.5	0.002	< 5	3.35	> 5000	4.4	2.4
A369051	< 0.1	< 0.05	0.1	< 0.001	< 5	0.13	4.63	0.2	< 0.1
A369052	< 0.1	< 0.05	0.1	0.001	< 5	0.10	2.04	0.2	< 0.1
A369053	< 0.1	< 0.05	< 0.1	0.001	< 5	0.18	1.27	0.1	< 0.1
A369054	< 0.1	< 0.05	0.1	0.002	< 5	0.07	1.99	0.2	< 0.1
A369055	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	0.63	0.2	< 0.1
A369056	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.78	< 0.1	< 0.1
A369057	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	1.51	0.1	< 0.1
A369058	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	3.18	< 0.1	< 0.1
A369059	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.56	< 0.1	< 0.1
A369060	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.42	< 0.1	< 0.1
A369061	< 0.1	< 0.05	< 0.1	0.002	< 5	< 0.02	2.33	0.3	< 0.1
A369062	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.71	0.3	< 0.1
A369063	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.60	0.3	< 0.1
A369064	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.59	0.5	< 0.1
A369065	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	3.76	0.5	0.1
A369066	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.80	0.2	< 0.1
A369067	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	1.01	0.3	< 0.1
A369068	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.08	1.82	0.3	< 0.1
A369069	0.2	< 0.05	0.5	0.002	< 5	0.26	6.01	0.6	0.1
A369070	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	1.30	< 0.1	< 0.1
A369071	< 0.1	< 0.05	0.7	< 0.001	< 5	0.37	2.00	0.2	< 0.1
A369072	< 0.1	< 0.05	0.5	< 0.001	< 5	0.34	1.81	0.2	< 0.1
A369073	0.2	< 0.05	2.1	< 0.001	< 5	0.20	2.06	0.5	0.1
A369074	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.66	0.2	< 0.1
A369075	0.3	< 0.05	0.9	0.012	74	15.0	> 5000	1.4	1.5
A369076	< 0.1	< 0.05	0.2	0.001	< 5	0.24	3.44	0.3	< 0.1
A369077	< 0.1	< 0.05	0.5	< 0.001	< 5	0.18	2.06	0.2	< 0.1

Analyte Symbol	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A369078	< 0.1	< 0.05	1.4	< 0.001	< 5	0.10	2.98	0.4	< 0.1
A369079	0.2	< 0.05	1.3	< 0.001	< 5	0.43	2.72	0.4	< 0.1
A369080	< 0.1	< 0.05	1.2	< 0.001	< 5	0.12	8.72	0.2	< 0.1
A369081	< 0.1	< 0.05	1.7	0.001	< 5	0.22	2.21	0.3	< 0.1
A369082	< 0.1	< 0.05	0.4	< 0.001	< 5	0.64	3.54	0.4	< 0.1
A369083	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.28	2.51	0.1	< 0.1
A369084	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.15	4.09	0.3	< 0.1
A369085	< 0.1	< 0.05	0.3	< 0.001	< 5	0.16	5.03	0.5	< 0.1
A369086	0.1	< 0.05	< 0.1	< 0.001	< 5	0.87	7.70	0.3	< 0.1
A369087	1.2	< 0.05	0.1	0.003	< 5	0.41	17.2	3.3	0.9
A369088	< 0.1	< 0.05	0.1	0.005	< 5	0.15	21.4	5.5	1.5
A369089	0.7	< 0.05	0.3	0.003	< 5	0.24	9.98	5.7	1.5
A369090	0.2	< 0.05	0.5	0.005	< 5	0.15	14.8	4.5	1.2
A369091	< 0.1	< 0.05	0.3	0.004	< 5	0.13	19.7	4.0	1.1
A369092	< 0.1	< 0.05	0.4	0.003	< 5	0.11	34.3	3.5	1.0
A369093	0.3	< 0.05	0.3	0.006	< 5	0.14	20.5	4.8	1.3
A369094	< 0.1	< 0.05	0.3	0.005	65	0.20	12.6	4.4	1.4
A369095	0.9	< 0.05	0.3	0.002	< 5	0.11	20.8	2.5	0.5
A369096	0.2	< 0.05	0.1	0.002	< 5	0.16	15.3	1.8	0.4
A369097	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.11	4.12	0.4	< 0.1
A369098	0.1	< 0.05	< 0.1	< 0.001	< 5	0.14	5.28	0.6	< 0.1
A369099	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.78	0.2	< 0.1
A369100	0.4	< 0.05	3.1	0.006	115	3.18	> 5000	3.8	2.2
A369289	< 0.1	< 0.05	< 0.1	0.001	< 5	0.05	2.94	0.4	< 0.1
A369290	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.99	0.4	< 0.1
A369291	0.2	< 0.05	< 0.1	< 0.001	< 5	0.07	8.69	2.3	0.3
A369292	0.2	< 0.05	< 0.1	< 0.001	< 5	0.21	5.52	5.4	1.0
A369293	< 0.1	< 0.05	< 0.1	0.001	< 5	0.40	26.3	7.9	1.3
A369294	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.30	50.7	7.8	1.2
A369295	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.14	18.9	3.7	0.7
A369296	0.9	< 0.05	0.3	0.003	< 5	0.14	46.4	3.1	0.5
A369297	1.2	< 0.05	0.3	0.001	< 5	0.18	40.3	2.8	0.5
A369298	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.20	16.2	4.8	0.9
A369299	0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.98	0.5	< 0.1
A369300	0.6	< 0.05	4.2	0.008	39	3.54	> 5000	4.7	2.7
A369301	< 0.1	< 0.05	< 0.1	0.002	< 5	0.18	12.4	5.1	1.0
A369302	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.22	8.45	6.7	1.2
A369303	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.15	4.73	5.1	1.1
A369304	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.26	4.82	4.8	1.0
A369305	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.09	4.05	0.4	< 0.1
A369306	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.43	0.2	< 0.1
A369307	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.95	0.2	< 0.1
A369308	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	0.99	0.1	< 0.1
A369309	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.43	0.2	< 0.1
A369310	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.48	< 0.1	< 0.1
A369311	< 0.1	< 0.05	0.1	< 0.001	< 5	< 0.02	1.07	0.1	< 0.1
A369312	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.86	< 0.1	< 0.1
A369313	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	1.64	< 0.1	< 0.1
A369314	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	3.11	0.1	< 0.1
A369315	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.56	< 0.1	< 0.1
A369316	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	1.12	0.1	< 0.1
A369317	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.57	0.1	< 0.1

Analyte Symbol	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A369318	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.96	< 0.1	< 0.1
A369319	< 0.1	< 0.05	0.2	< 0.001	< 5	< 0.02	2.41	< 0.1	< 0.1
A369320	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.30	< 0.1	< 0.1
A369321	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.18	< 0.1	< 0.1
A369322	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.25	< 0.1	< 0.1
A369323	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.57	< 0.1	< 0.1
A369324	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.63	0.2	< 0.1
A369325	0.2	< 0.05	0.7	0.010	134	12.9	> 5000	1.2	1.3
A369326	< 0.1	< 0.05	0.2	< 0.001	< 5	0.09	7.46	0.1	< 0.1
A369327	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.45	< 0.1	< 0.1
A369328	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	1.63	< 0.1	< 0.1
A369329	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	1.19	0.2	< 0.1
A369330	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	2.16	0.5	< 0.1
A369331	0.1	< 0.05	< 0.1	< 0.001	< 5	0.09	2.33	1.1	0.2
A369332	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.17	4.45	4.5	0.8
A369333	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.21	4.21	5.4	0.9
A369334	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.16	6.28	5.8	0.9
A369335	< 0.1	< 0.05	0.3	< 0.001	< 5	0.17	7.99	6.3	1.0
A369336	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.10	5.21	4.5	0.7
A369337	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	0.96	0.5	< 0.1
A369338	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	2.71	2.4	0.4
A369339	< 0.1	< 0.05	< 0.1	< 0.001	44	0.03	1.04	0.9	0.1
A369340	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.09	5.16	3.9	0.6
A369341	0.3	< 0.05	0.1	0.001	< 5	0.11	10.3	4.5	0.7
A369342	0.1	< 0.05	< 0.1	0.002	< 5	0.10	9.53	4.6	0.7
A369343	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.10	7.35	3.9	0.6
A369344	0.6	< 0.05	0.2	0.003	< 5	0.10	9.74	2.8	0.4
A369345	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.75	0.3	< 0.1
A369346	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	5.34	0.6	< 0.1
A369347	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	2.50	0.2	< 0.1
A369348	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	1.48	0.2	< 0.1
A369349	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.79	0.2	< 0.1
A369350	0.4	< 0.05	3.4	0.002	< 5	3.21	> 5000	4.3	2.5
A369351	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	8.50	0.3	< 0.1
A369352	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	5.23	0.3	< 0.1
A369353	1.1	< 0.05	0.2	< 0.001	< 5	0.06	25.3	3.3	0.5
A369354	0.3	< 0.05	< 0.1	< 0.001	< 5	0.09	11.1	1.2	0.2
A369355	0.5	< 0.05	0.1	< 0.001	< 5	0.20	37.9	4.8	0.8
A369356	0.4	< 0.05	< 0.1	< 0.001	< 5	0.12	12.5	4.5	0.7
A369357	0.2	< 0.05	< 0.1	< 0.001	< 5	0.11	8.88	2.2	0.4
A369358	< 0.1	< 0.05	0.1	< 0.001	< 5	0.05	2.82	0.3	< 0.1
A369359	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	3.94	0.3	< 0.1
A369360	0.2	< 0.05	0.1	< 0.001	< 5	0.15	6.06	3.2	0.6
A369361	1.4	< 0.05	< 0.1	< 0.001	< 5	0.19	20.0	4.4	0.8
A369362	1.1	< 0.05	0.1	< 0.001	< 5	0.13	20.2	3.0	0.5
A369363	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	10.2	0.2	< 0.1
A369364	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	6.90	0.2	< 0.1
A369365	0.9	< 0.05	0.4	0.002	< 5	0.12	8.18	2.9	0.5
A369366	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	1.66	0.3	< 0.1
A369367	< 0.1	< 0.05	0.2	< 0.001	< 5	0.02	2.01	0.2	< 0.1
A369368	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.97	0.2	< 0.1
A369369	0.2	< 0.05	0.2	0.002	< 5	0.18	13.9	4.3	1.1

Analyte Symbol	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A369370	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.15	33.7	5.1	1.0
A369371	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.77	10.6	1.3	0.2
A369372	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.26	18.3	3.9	0.8
A369373	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.08	0.78	0.3	< 0.1
A369374	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	0.69	0.3	< 0.1
A369375	0.2	< 0.05	0.8	0.010	22	14.2	> 5000	1.4	1.4
A369376	< 0.1	< 0.05	1.1	< 0.001	< 5	0.11	3.27	0.2	< 0.1
A369377	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.41	0.68	0.1	< 0.1
A369378	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.59	0.55	< 0.1	< 0.1
A369379	< 0.1	< 0.05	0.2	< 0.001	< 5	0.17	0.93	0.2	< 0.1
A369380	0.1	< 0.05	0.3	< 0.001	< 5	0.05	4.12	0.2	< 0.1
A369381	0.3	< 0.05	0.2	< 0.001	< 5	0.02	4.33	0.2	< 0.1
A369382	0.2	< 0.05	0.3	< 0.001	< 5	0.13	5.71	0.3	< 0.1
A369383	< 0.1	< 0.05	0.2	< 0.001	< 5	0.10	6.89	0.2	< 0.1
A369384	0.2	< 0.05	0.1	< 0.001	< 5	0.09	1.23	0.2	< 0.1
A369385	0.2	< 0.05	< 0.1	< 0.001	< 5	0.07	1.02	0.3	0.1
A369386	0.2	< 0.05	0.1	< 0.001	< 5	0.35	1.28	0.2	< 0.1
A369387	0.1	< 0.05	< 0.1	< 0.001	< 5	0.54	0.74	0.2	0.1
A369388	0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	1.13	0.3	< 0.1
A369389	< 0.1	< 0.05	0.2	< 0.001	< 5	0.12	1.12	0.3	0.1
A369276									
A369277									
A369278									
A369279									
A369280									
A369281									
A369282									
A369283									
A369284									
A369285									
A369286									
A369287									
A369288									
A369390									
A369391									
A369392									
A369393									
A369394									
A369395									
A369396									
A369397									
A369398									
A369399									
A369400									

Quality Control

Analyte Symbol	Pd	Pt	Au	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Ba	Sr	Y	Sc	Zr	Be	V	Li	Be	B	Na
Unit Symbol	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	1	1	2	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	2	2	1	1	2	1	5	0.1	0.1	1	0.001
Analysis Method	FA-MS	FA-MS	FA-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas																					4.6	0.6	11	0.047
GXR-1 Cert																					8.20	1.22	15.0	0.0520
NIST 694 Meas				11.64	1.95	0.75	0.013	0.36	43.84	0.90	0.57	0.121	30.20							1691				
NIST 694 Cert				11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2							1740				
DNC-1 Meas				47.33	18.85	9.78	0.147	9.97	11.20	1.93	0.23	0.488	0.07	105	142	16	31	37		152				
DNC-1 Cert				47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070	118	144.0	18.0	31	38		148.0				
GBW 07113 Meas				72.06	12.73	3.16	0.139	0.14	0.57	2.45	5.37	0.276	0.04	497	39	46	5	410	4	< 5				
GBW 07113 Cert				72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500	506	43.0	43.0	5.00	403	4.00	5.00				
GXR-6 Meas																					29.9	0.9	6	0.086
GXR-6 Cert																					32.0	1.40	9.80	0.104
W-2a Meas				52.95	15.38	10.81	0.168	6.33	10.86	2.26	0.63	1.079	0.13	176	197	20	36	89	< 1	273				
W-2a Cert				52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130	182	190	24.0	36.0	94.0	1.30	262				
SY-4 Meas				49.64	20.36	6.24	0.109	0.51	8.04	6.84	1.64	0.286	0.13	343	1208	116	< 1	538	3	5				
SY-4 Cert				49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131	340	1191	119	1.1	517	2.6	8.0				
BIR-1a Meas				47.82	15.56	11.12	0.170	9.40	13.19	1.81	0.02	0.950	0.02	8	105	14	43	16	< 1	327				
BIR-1a Cert				47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021	6	110	16	44	18	0.58	310				
OREAS 13b (4-Acid) Meas																								
OREAS 13b (4-Acid) Cert																								
BCR-2 Meas				54.24	13.25	13.78		3.54	7.05	3.13	1.80	2.250	0.36	695	336	32	33	175		433				
BCR-2 Cert				54.1	13.5	13.8		3.59	7.12	3.16	1.79	2.26	0.35	683	346	37	33	188		416				
CDN-PGMS-19 Meas	484	118	242																					
CDN-PGMS-19 Cert	476.000	108.000	230.000																					
A369038 Orig																					16.8	0.1	4	0.026
A369038 Dup																					24.1	< 0.1	6	0.033
A369052 Orig																					13.8	0.1	2	0.044
A369052 Dup																					11.8	0.1	2	0.047
A369055 Orig																					12.5	< 0.1	2	0.032
A369055 Split																					15.0	< 0.1	2	0.032
A369065 Orig																					33.0	0.1	31	0.070
A369065 Dup																					40.4	0.1	38	0.084
A369076 Orig																					34.9	< 0.1	19	0.076
A369076 Split																					32.3	< 0.1	14	0.050
A369079 Orig																					19.4	< 0.1	7	0.048
A369079 Dup																					24.3	< 0.1	8	0.056
A369085 Orig																					28.7	< 0.1	5	0.117
A369085 Split																					25.7	< 0.1	4	0.087
A369290 Orig																					17.9	< 0.1	1	0.047
A369290 Dup																					16.7	< 0.1	1	0.051
A369303 Orig																					6.9	0.5	11	0.145
A369303 Split																					5.8	0.3	8	0.103
A369304 Orig																					8.0	0.4	11	0.148
A369304 Dup																					8.8	0.3	11	0.145
A369313 Orig																					8.9	< 0.1	2	0.050
A369313 Split																					10.1	< 0.1	2	0.041
A369317 Orig																					5.0	< 0.1	2	0.067
A369317 Dup																					4.7	< 0.1	2	0.064
A369331 Orig																					13.0	0.2	7	0.088
A369331 Dup																					11.9	0.2	7	0.083
A369333 Orig																					8.9	0.4	14	0.169
A369333 Split																					10.9	0.4	14	0.162
A369347 Orig																					19.3	< 0.1	5	0.055
A369347 Dup																					19.8	< 0.1	5	0.050
A369361 Orig																					7.4	0.2	8	0.105
A369361 Dup																					7.9	0.4	8	0.114
A369363 Orig																					24.7	0.3	7	0.103
A369363 Split																					24.3	0.2	7	0.094

Quality Control

Analyte Symbol	Pd	Pt	Au	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Ba	Sr	Y	Sc	Zr	Be	V	Li	Be	B	Na
Unit Symbol	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	1	1	2	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	2	2	1	1	2	1	5	0.1	0.1	1	0.001
Analysis Method	FA-MS	FA-MS	FA-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	AR-MS	AR-MS	AR-MS	AR-MS
A369374 Orig																					5.3	0.2	3	0.446
A369374 Dup																					5.0	< 0.1	2	0.420
A369388 Orig																					7.6	< 0.1	3	0.157
A369388 Dup																					8.6	< 0.1	3	0.183
A369288 Orig	< 1	1	< 2																					
A369288 Dup	< 1	1	< 2																					
Method Blank Method Blank																					< 0.1	< 0.1	< 1	< 0.001
Method Blank Method Blank	< 1	< 1	< 2																					

Quality Control

Analyte Symbol	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr	Nb	Mo
Unit Symbol	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	0.11	0.27	0.02	1350	0.67	0.6	62	4.3	811	22.9	7.8	42.0	1200	782	2.94		350	16.6	2.0	169	25.4	8.8	< 0.1	15.3
GXR-1 Cert	0.217	3.52	0.0500	1380	0.960	1.58	80.0	12.0	852	23.6	8.20	41.0	1110	760	13.8		427	16.6	14.0	275	32.0	38.0	0.800	18.0
NIST 694 Meas																								
NIST 694 Cert																								
DNC-1 Meas																								
DNC-1 Cert																								
GBW 07113 Meas																								
GBW 07113 Cert																								
GXR-6 Meas	0.38	6.69	0.92	0.10	0.16	19.4	145	67.1	1040	5.46	13.9	27.0	71.4	146	10.1		209	0.7	62.3	33.4	7.20	13.1	< 0.1	0.89
GXR-6 Cert	0.609	17.7	1.87	0.290	0.180	27.6	186	96.0	1010	5.58	13.8	27.0	66.0	118	35.0		330	0.940	90.0	35.0	14.0	110	7.50	2.40
W-2a Meas																								
W-2a Cert																								
SY-4 Meas																								
SY-4 Cert																								
BIR-1a Meas																								
BIR-1a Cert																								
OREAS 13b (4-Acid) Meas								488			75.7	2000	2170	105			31.7							5.91
OREAS 13b (4-Acid) Cert								8650			75	2247	2300.000	133			57							9.0
BCR-2 Meas																								
BCR-2 Cert																								
CDN-PGMS-19 Meas																								
CDN-PGMS-19 Cert																								
A369038 Orig	1.62	2.62	0.08	< 0.02	6.04	13.9	113	156	1990	6.80	36.5	124	244	76.2	8.20	< 0.1	1.2	< 0.1	2.9	22.6	8.11	0.3	< 0.1	< 0.01
A369038 Dup	2.35	3.54	0.10	< 0.02	7.94	19.4	167	231	2780	9.16	51.9	167	345	107	11.7	< 0.1	3.4	0.6	4.0	31.5	10.7	0.9	< 0.1	< 0.01
A369052 Orig	1.68	2.24	0.41	0.03	6.24	12.0	137	187	4040	15.2	64.3	167	278	103	8.78	0.1	< 0.1	1.3	17.6	23.6	7.84	0.7	< 0.1	0.27
A369052 Dup	1.57	2.16	0.36	< 0.02	4.94	10.3	122	179	3830	14.5	60.3	152	258	96.5	8.38	0.1	< 0.1	1.4	16.2	20.8	7.25	0.6	< 0.1	0.24
A369055 Orig	1.70	2.88	0.21	< 0.02	4.78	9.4	130	148	3020	7.11	40.1	126	86.0	90.3	7.30	0.1	< 0.1	< 0.1	9.4	27.0	7.64	< 0.1	< 0.1	< 0.01
A369055 Split	2.18	3.45	0.23	< 0.02	5.51	9.9	142	165	3020	7.01	45.0	142	96.9	106	8.45	0.2	< 0.1	0.5	10.0	26.6	7.88	< 0.1	< 0.1	< 0.01
A369065 Orig	2.19	2.50	0.04	0.10	5.51	14.6	108	94.5	1520	9.34	33.6	81.9	253	103	9.12	0.1	1.9	0.5	0.5	23.1	14.7	3.8	< 0.1	0.12
A369065 Dup	2.57	2.92	0.04	0.13	6.48	17.8	131	114	1760	11.1	39.9	96.8	303	123	10.8	0.2	2.5	1.3	0.6	27.9	18.0	5.4	< 0.1	0.19
A369076 Orig	3.85	4.67	0.25	0.13	6.57	31.6	244	203	1670	9.39	63.9	195	184	140	14.3	0.2	37.1	0.5	15.3	29.7	14.6	0.5	< 0.1	< 0.01
A369076 Split	3.78	4.36	0.21	< 0.02	5.73	26.0	203	174	1260	7.30	59.1	172	169	121	12.2	0.2	36.7	1.0	12.7	23.1	12.0	0.2	< 0.1	< 0.01
A369079 Orig	1.98	2.19	0.28	0.15	7.14	20.1	150	124	2530	9.71	36.6	78.5	228	118	8.94	< 0.1	< 0.1	0.5	23.0	35.5	12.3	7.1	< 0.1	< 0.01
A369079 Dup	2.55	2.88	0.37	0.19	9.23	24.8	178	152	3180	12.5	46.1	96.5	277	145	11.0	0.2	1.5	1.1	27.7	43.0	14.7	9.1	< 0.1	0.06
A369085 Orig	2.22	3.62	0.15	0.10	5.68	21.5	173	151	2400	12.6	52.9	116	193	226	12.9	0.1	81.0	0.5	7.1	25.2	14.3	5.0	< 0.1	0.06
A369085 Split	2.17	3.18	0.12	0.09	4.79	17.4	148	128	1830	9.24	46.9	101	177	243	11.0	0.1	77.9	0.7	5.8	20.6	11.6	3.2	< 0.1	< 0.01
A369290 Orig	2.18	2.86	< 0.01	< 0.02	3.87	25.1	200	156	1610	6.99	35.1	89.5	34.7	183	13.2	< 0.1	< 0.1	< 0.1	0.3	27.8	8.86	1.3	< 0.1	< 0.01
A369290 Dup	2.08	2.82	< 0.01	< 0.02	3.77	23.9	190	147	1580	6.70	33.7	86.1	34.1	177	12.4	< 0.1	< 0.1	< 0.1	0.3	25.6	8.40	4.0	< 0.1	< 0.01
A369303 Orig	0.29	1.21	0.43	0.07	3.24	0.8	10	6.8	506	4.82	46.0	33.1	193	25.7	4.19	< 0.1	< 0.1	2.5	20.9	33.6	8.77	1.6	< 0.1	0.56
A369303 Split	0.25	1.06	0.32	0.03	2.51	0.4	8	5.0	368	3.25	36.1	25.2	154	20.4	3.46	< 0.1	< 0.1	1.8	16.1	25.6	6.96	3.3	< 0.1	0.23
A369304 Orig	0.63	1.92	0.54	0.11	4.12	2.4	26	11.9	746	6.66	29.2	43.9	202	26.8	6.49	< 0.1	< 0.1	2.9	25.0	40.3	10.9	1.2	< 0.1	0.54
A369304 Dup	0.60	1.79	0.58	0.10	4.50	2.6	25	10.9	728	6.76	31.9	46.0	210	26.9	6.38	< 0.1	< 0.1	3.2	26.7	42.9	11.1	1.4	< 0.1	0.61
A369313 Orig	1.79	2.49	< 0.01	< 0.02	3.71	6.0	72	154	1840	8.76	47.4	150	171	109	4.96	< 0.1	< 0.1	0.4	< 0.1	17.6	3.90	0.6	< 0.1	< 0.01
A369313 Split	1.90	2.52	< 0.01	< 0.02	3.66	6.1	75	163	1650	7.49	49.4	156	176	120	5.28	0.1	< 0.1	1.0	< 0.1	16.7	3.80	0.4	< 0.1	< 0.01
A369317 Orig	0.70	0.87	0.03	< 0.02	5.34	5.3	66	97.0	1090	6.75	32.0	127	163	63.1	3.23	< 0.1	< 0.1	0.2	1.8	10.4	6.12	1.7	0.1	0.02
A369317 Dup	0.68	0.83	0.03	< 0.02	4.87	5.1	63	91.3	977	6.29	29.2	116	153	57.0	3.04	< 0.1	< 0.1	< 0.1	1.7	9.6	5.87	1.6	0.1	< 0.01
A369331 Orig	1.40	2.87	0.27	< 0.02	8.16	10.4	86	86.8	1880	6.07	40.5	105	134	78.5	7.15	< 0.1	< 0.1	< 0.1	10.0	58.8	9.58	9.3	< 0.1	0.04
A369331 Dup	1.34	2.75	0.26	< 0.02	7.68	9.5	79	79.0	1780	5.76	36.7	95.6	120	69.6	6.47	< 0.1	< 0.1	< 0.1	9.4	55.2	8.81	11.0	< 0.1	< 0.01
A369333 Orig	0.90	2.72	0.60	0.18	3.23	2.8	25	22.0	604	3.69	29.4	50.2	140	87.4	7.16	< 0.1	< 0.1	0.9	20.7	37.7	5.86	1.2	< 0.1	0.44
A369333 Split	1.01	3.26	0.74	0.21	3.79	3.5	30	28.3	678	3.93	36.0	61.0	170	113	9.17	< 0.1	< 0.1	1.6	24.8	43.8	7.07	1.4	< 0.1	0.52
A369347 Orig	3.44	4.36	0.04	< 0.02	6.82	25.0	158	235	1250	7.64	51.0	162	135	244	12.9	< 0.1	50.7	0.8	1.4	32.6	6.84	0.3	< 0.1	< 0.01
A369347 Dup	3.52	4.44	0.03	< 0.02	6.52	24.3	151	228	1190	7.27	52.9	167	128	230	12.3	< 0.1	51.3	0.5	1.2	31.8	6.54	0.8	< 0.1	< 0.01
A369361 Orig	0.54	1.46	0.28	0.63	0.53	1.7	9	7.4	214	8.09	75.5	52.6	180	467	4.11	< 0.1	25.2	2.5	10.5	17.0	4.88	54.0	< 0.1	0.72
A369361 Dup	0.56	1.50	0.30	0.62	0.54	1.9	10	9.3	231	8.49	82.3	57.6	198	513	4.56	< 0.1	27.8	3.4	12.0	19.3	5.53	61.8	< 0.1	0.88
A369363 Orig	3.62	3.38	0.12	0.05	5.71	12.5	97	173	1430	6.60	37.7	95.4	205	164	8.44	< 0.1	< 0.1	1.8	4.6	37.2	4.82	2.9	< 0.1	< 0.01
A369363 Split	3.43	3.23	0.11	0.05	5.59	12.1	91	162	1260	5.59	35.2	90.5	188	158	8.16	< 0.1	< 0.1	1.1	4.0	33.2	4.38	2.3	< 0.1	< 0.01

Quality Control

Analyte Symbol	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr	Nb	Mo
Unit Symbol	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A369374 Orig	1.42	1.80	0.05	< 0.02	2.07	7.5	98	32.6	361	4.10	21.9	37.8	81.2	77.0	8.38	0.1	< 0.1	0.3	0.6	119	10.5	2.5	0.1	< 0.01
A369374 Dup	1.30	1.66	0.05	< 0.02	1.83	6.7	84	27.4	315	3.59	18.8	32.2	68.6	67.4	7.46	< 0.1	< 0.1	0.3	0.5	99.5	8.90	3.7	0.1	< 0.01
A369388 Orig	1.10	1.25	0.03	< 0.02	2.07	11.2	120	39.9	640	4.45	46.7	63.8	125	94.4	5.47	0.1	< 0.1	1.0	2.2	8.6	16.3	2.0	0.7	0.01
A369388 Dup	1.19	1.39	0.03	< 0.02	2.20	12.0	124	42.3	675	4.74	49.8	66.3	130	95.3	5.62	0.2	< 0.1	0.8	2.1	8.5	16.1	2.1	0.7	< 0.01
A369288 Orig																								
A369288 Dup																								
Method Blank Method Blank	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 0.1	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.01
Method Blank Method Blank																								

Quality Control

Analyte Symbol	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.05
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	28.7	2.15	0.69	22.2	69.9	13.1	2.26	157	5.3	9.86		5.80	2.1	0.5	3.3	0.7	4.29			0.3	1.9	0.3	< 0.1	< 0.05
GXR-1 Cert	31.0	3.30	0.770	54.0	122	13.0	3.00	750	7.50	17.0		18.0	2.70	0.690	4.20	0.830	4.30			0.430	1.90	0.280	0.960	0.175
NIST 694 Meas																								
NIST 694 Cert																								
DNC-1 Meas																								
DNC-1 Cert																								
GBW 07113 Meas																								
GBW 07113 Cert																								
GXR-6 Meas	0.300	0.06	0.06	0.94	1.15	< 0.02	3.08	929	10.1	27.9		9.80	1.9	0.5	1.6	0.2	1.34			0.1	0.6	< 0.1	< 0.1	< 0.05
GXR-6 Cert	1.30	1.00	0.260	1.70	3.60	0.0180	4.20	1300	13.9	36.0		13.0	2.67	0.760	2.97	0.415	2.80			0.0320	2.40	0.330	4.30	0.485
W-2a Meas																								
W-2a Cert																								
SY-4 Meas																								
SY-4 Cert																								
BIR-1a Meas																								
BIR-1a Cert																								
OREAS 13b (4-Acid) Meas	0.785																							
OREAS 13b (4-Acid) Cert	0.86																							
BCR-2 Meas																								
BCR-2 Cert																								
CDN-PGMS-19 Meas																								
CDN-PGMS-19 Cert																								
A369038 Orig	0.033	0.05	0.02	0.21	0.04	0.04	0.07	18.4	1.3	2.85	0.6	2.78	0.9	0.3	1.2	0.2	1.41	0.3	0.9	0.1	0.9	0.1	< 0.1	< 0.05
A369038 Dup	0.046	0.07	0.03	0.28	0.06	0.05	0.09	25.5	1.7	4.07	0.8	3.50	1.1	0.4	1.4	0.3	1.67	0.4	1.1	0.2	1.1	0.2	< 0.1	< 0.05
A369052 Orig	0.258	0.11	0.02	0.27	0.03	0.03	2.68	6.4	1.0	2.00	0.4	1.97	0.6	0.2	0.9	0.2	1.24	0.3	0.9	0.1	0.9	0.1	< 0.1	< 0.05
A369052 Dup	0.186	0.11	< 0.02	0.25	< 0.02	0.04	2.58	10.9	0.9	1.63	0.4	1.82	0.6	0.2	0.8	0.2	1.11	0.3	0.8	0.1	0.9	0.1	< 0.1	< 0.05
A369055 Orig	0.055	0.52	< 0.02	0.25	< 0.02	< 0.02	1.29	80.9	1.1	2.28	0.5	2.24	0.7	0.2	1.0	0.2	1.28	0.3	0.9	0.1	0.9	0.1	< 0.1	< 0.05
A369055 Split	0.021	0.65	< 0.02	0.21	< 0.02	< 0.02	1.29	81.4	1.1	2.46	0.4	2.04	0.6	0.2	0.9	0.2	1.16	0.3	0.8	0.1	0.9	0.1	< 0.1	< 0.05
A369065 Orig	0.105	0.07	0.05	0.28	< 0.02	< 0.02	0.08	< 0.5	5.7	12.3	1.9	8.46	2.4	0.7	3.0	0.5	2.72	0.5	1.4	0.2	1.2	0.2	< 0.1	< 0.05
A369065 Dup	0.192	0.11	0.05	0.35	< 0.02	< 0.02	0.09	2.2	6.7	14.5	2.3	9.81	2.8	0.9	3.4	0.5	3.19	0.6	1.7	0.2	1.4	0.2	< 0.1	< 0.05
A369076 Orig	1.36	0.18	0.06	0.88	0.03	< 0.02	1.09	144	2.3	5.19	0.9	4.27	1.4	0.5	1.9	0.4	2.47	0.5	1.6	0.2	1.5	0.2	< 0.1	< 0.05
A369076 Split	0.030	0.11	0.05	0.36	< 0.02	< 0.02	0.95	130	1.9	4.44	0.7	3.36	1.1	0.4	1.5	0.3	2.02	0.4	1.3	0.2	1.2	0.2	< 0.1	< 0.05
A369079 Orig	0.213	0.12	0.06	0.60	0.04	0.07	1.87	15.4	4.4	8.42	1.3	5.74	1.7	0.5	2.3	0.4	2.24	0.5	1.3	0.2	1.3	0.2	0.1	< 0.05
A369079 Dup	0.275	0.13	0.07	0.73	0.06	0.14	2.28	16.8	5.2	9.91	1.5	6.66	2.0	0.6	2.7	0.4	2.71	0.5	1.6	0.2	1.5	0.2	0.2	< 0.05
A369085 Orig	0.107	0.12	0.05	0.41	0.08	< 0.02	0.81	20.2	3.8	8.71	1.5	6.69	2.0	0.7	2.8	0.5	2.83	0.6	1.6	0.2	1.4	0.2	< 0.1	< 0.05
A369085 Split	0.078	0.18	0.04	0.29	0.07	< 0.02	0.69	19.7	3.1	7.23	1.2	5.30	1.7	0.6	2.3	0.4	2.28	0.5	1.3	0.2	1.1	0.2	< 0.1	< 0.05
A369290 Orig	0.145	0.03	0.05	0.10	< 0.02	< 0.02	0.08	5.1	2.5	5.44	0.9	3.93	1.2	0.3	1.5	0.3	1.70	0.4	1.0	0.1	0.8	0.1	< 0.1	< 0.05
A369290 Dup	0.122	< 0.01	0.05	0.08	< 0.02	< 0.02	0.09	5.6	2.7	5.94	1.0	4.18	1.2	0.4	1.7	0.3	1.88	0.4	1.1	0.2	0.9	0.1	< 0.1	< 0.05
A369303 Orig	0.182	0.06	0.02	0.73	0.10	0.40	4.64	22.7	17.7	36.1	4.4	14.6	2.4	0.6	2.3	0.3	1.65	0.3	0.8	0.1	0.6	< 0.1	< 0.1	< 0.05
A369303 Split	0.061	0.03	< 0.02	0.55	0.05	0.21	3.87	17.4	14.3	28.9	3.6	12.2	2.2	0.5	1.9	0.3	1.36	0.3	0.7	< 0.1	0.6	< 0.1	< 0.1	< 0.05
A369304 Orig	0.169	0.03	0.03	0.64	0.05	0.67	3.43	21.5	16.2	33.3	4.3	15.4	2.7	0.8	2.7	0.4	2.03	0.4	1.1	0.2	1.0	0.1	< 0.1	< 0.05
A369304 Dup	0.183	0.15	0.03	0.65	0.07	0.58	3.48	25.6	16.5	33.4	4.2	14.4	2.6	0.7	2.5	0.4	1.99	0.4	1.1	0.2	0.9	0.1	< 0.1	< 0.05
A369313 Orig	0.067	0.05	< 0.02	0.16	0.11	< 0.02	0.04	1.8	0.5	0.98	0.2	1.01	0.3	0.1	0.5	< 0.1	0.580	0.1	0.4	< 0.1	0.4	< 0.1	< 0.1	< 0.05
A369313 Split	0.058	0.05	< 0.02	0.14	0.12	< 0.02	0.04	1.5	0.5	0.95	0.2	0.92	0.3	0.1	0.4	< 0.1	0.551	0.1	0.4	< 0.1	0.4	< 0.1	< 0.1	< 0.05
A369317 Orig	0.066	0.09	< 0.02	0.18	0.03	< 0.02	0.12	8.0	1.0	2.24	0.4	1.84	0.6	0.2	0.9	0.2	1.16	0.3	0.8	0.1	0.8	0.1	< 0.1	< 0.05
A369317 Dup	0.053	0.08	< 0.02	0.16	0.03	< 0.02	0.11	5.4	0.9	2.03	0.4	1.69	0.6	0.2	0.8	0.2	1.08	0.2	0.8	0.1	0.7	0.1	< 0.1	< 0.05
A369331 Orig	0.073	0.15	0.03	0.09	0.40	< 0.02	0.57	44.8	5.4	11.0	1.5	6.10	1.5	0.5	1.9	0.3	1.79	0.4	1.1	0.2	1.0	0.2	0.1	< 0.05
A369331 Dup	0.064	0.13	0.03	0.09	0.37	< 0.02	0.56	42.2	5.2	10.3	1.5	5.72	1.5	0.5	1.7	0.3	1.74	0.3	1.0	0.2	1.0	0.2	0.2	< 0.05
A369333 Orig	0.081	0.11	0.05	0.50	0.48	0.30	0.83	26.8	21.3	40.6	5.1	16.9	2.3	0.6	1.8	0.2	1.12	0.2	0.6	< 0.1	0.5	< 0.1	< 0.1	< 0.05
A369333 Split	0.083	0.11	0.06	0.55	0.42	0.40	1.00	32.4	24.9	47.0	5.7	19.4	2.8	0.7	2.1	0.2	1.31	0.2	0.6	< 0.1	0.6	< 0.1	< 0.1	< 0.05
A369347 Orig	0.058	0.12	0.05	0.05	0.47	< 0.02	0.16	11.0	2.1	4.88	0.8	4.03	1.3	0.4	1.6	0.3	1.42	0.3	0.7	0.1	0.7	0.1	< 0.1	< 0.05
A369347 Dup	0.049	0.10	0.05	< 0.05	0.52	< 0.02	0.15	7.4	1.8	4.37	0.8	3.66	1.2	0.4	1.5	0.2	1.26	0.2	0.6	< 0.1	0.6	0.1	< 0.1	< 0.05
A369361 Orig	0.297	0.90	0.11	0.32	5.58	0.99	0.39	< 0.5	16.9	33.9	4.3	14.4	2.3	0.5	2.0	0.2	1.27	0.2	0.6	< 0.1	0.6	0.1	1.3	< 0.05
A369361 Dup	0.346	0.99	0.13	0.37	6.40	1.23	0.43	< 0.5	18.1	37.1	4.7	15.2	2.5	0.5	2.0	0.3	1.32	0.2	0.6	0.1	0.7	0.1	1.4	< 0.05
A369363 Orig	0.246	0.06	0.03	0.18	2.03	0.21	0.41	26.9	2.3	4.27	0.7	3.27	1.0	0.2	1.2	0.2	0.971	0.2	0.5	< 0.1	0.5	< 0.1	< 0.1	< 0.05
A369363 Split	0.116	0.06	0.03	0.16	1.86	0.18	0.38	22.4	2.2	4.07	0.7	3.19	1.1	0.2	1.3	0.2	1.05	0.2	0.5	< 0.1	0.5	< 0.1	< 0.1	< 0.05

Quality Control

Analyte Symbol	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.05
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A369374 Orig	0.059	0.03	0.03	0.40	< 0.02	< 0.02	0.03	30.4	8.9	25.2	4.2	17.3	3.5	0.9	2.8	0.4	1.94	0.4	1.0	0.1	0.7	0.1	< 0.1	< 0.05
A369374 Dup	0.045	0.01	0.02	0.34	< 0.02	< 0.02	0.02	25.2	7.7	22.2	3.7	15.9	3.2	0.8	2.7	0.3	1.83	0.4	0.9	0.1	0.7	0.1	< 0.1	< 0.05
A369388 Orig	0.093	0.05	0.03	0.55	< 0.02	< 0.02	0.29	34.0	3.0	7.94	1.3	6.10	1.9	0.7	2.5	0.5	2.94	0.6	1.8	0.3	1.7	0.3	0.1	< 0.05
A369388 Dup	0.085	0.07	0.03	0.55	< 0.02	< 0.02	0.29	34.6	3.0	7.88	1.3	6.03	1.9	0.6	2.5	0.4	2.88	0.6	1.8	0.3	1.6	0.3	0.1	< 0.05
A369288 Orig																								
A369288 Dup																								
Method Blank Method Blank	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	< 0.5	< 0.5	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05
Method Blank Method Blank																								

Quality Control

Analyte Symbol	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	139		3270	0.36	839	2.2	27.7
GXR-1 Cert	164		3300	0.390	730	2.44	34.9
NIST 694 Meas							
NIST 694 Cert							
DNC-1 Meas							
DNC-1 Cert							
GBW 07113 Meas							
GBW 07113 Cert							
GXR-6 Meas	< 0.1		27	1.53	101	3.1	0.6
GXR-6 Cert	1.90		95.0	2.20	101	5.30	1.54
W-2a Meas							
W-2a Cert							
SY-4 Meas							
SY-4 Cert							
BIR-1a Meas							
BIR-1a Cert							
OREAS 13b (4-Acid) Meas							
OREAS 13b (4-Acid) Cert							
BCR-2 Meas							
BCR-2 Cert							
CDN-PGMS-19 Meas							
CDN-PGMS-19 Cert							
A369038 Orig	0.1	0.001	< 5	< 0.02	0.79	0.2	< 0.1
A369038 Dup	0.2	0.001	< 5	< 0.02	0.80	0.2	< 0.1
A369052 Orig	0.1	0.001	< 5	0.11	2.06	0.2	< 0.1
A369052 Dup	0.1	0.001	< 5	0.10	2.02	0.1	< 0.1
A369055 Orig	< 0.1	< 0.001	< 5	0.05	0.63	0.2	< 0.1
A369055 Split	< 0.1	< 0.001	< 5	0.05	0.61	0.2	< 0.1
A369065 Orig	< 0.1	< 0.001	< 5	< 0.02	3.48	0.5	0.1
A369065 Dup	< 0.1	0.001	< 5	< 0.02	4.04	0.6	0.1
A369076 Orig	0.2	0.001	< 5	0.24	3.44	0.3	< 0.1
A369076 Split	0.1	< 0.001	< 5	0.17	1.40	0.2	< 0.1
A369079 Orig	1.1	< 0.001	< 5	0.39	2.51	0.4	< 0.1
A369079 Dup	1.5	< 0.001	< 5	0.47	2.92	0.4	< 0.1
A369085 Orig	0.3	< 0.001	< 5	0.16	5.03	0.5	< 0.1
A369085 Split	0.3	< 0.001	< 5	0.13	10.6	0.5	< 0.1
A369290 Orig	< 0.1	< 0.001	< 5	< 0.02	0.88	0.3	< 0.1
A369290 Dup	< 0.1	< 0.001	< 5	< 0.02	1.11	0.4	< 0.1
A369303 Orig	< 0.1	< 0.001	< 5	0.15	4.73	5.1	1.1
A369303 Split	< 0.1	< 0.001	< 5	0.13	4.64	4.6	1.0
A369304 Orig	< 0.1	< 0.001	< 5	0.26	4.95	4.8	1.0
A369304 Dup	< 0.1	< 0.001	66	0.26	4.70	4.7	1.0
A369313 Orig	< 0.1	< 0.001	< 5	< 0.02	1.64	< 0.1	< 0.1
A369313 Split	< 0.1	< 0.001	< 5	< 0.02	1.69	0.2	< 0.1
A369317 Orig	< 0.1	< 0.001	< 5	< 0.02	0.61	0.1	< 0.1
A369317 Dup	< 0.1	0.001	< 5	< 0.02	0.54	0.1	< 0.1
A369331 Orig	< 0.1	< 0.001	< 5	0.10	2.38	1.1	0.2
A369331 Dup	< 0.1	< 0.001	< 5	0.09	2.29	1.0	0.2
A369333 Orig	< 0.1	< 0.001	< 5	0.21	4.21	5.4	0.9
A369333 Split	< 0.1	< 0.001	< 5	0.25	5.42	6.5	1.1
A369347 Orig	< 0.1	< 0.001	< 5	0.02	2.56	0.2	< 0.1
A369347 Dup	< 0.1	< 0.001	< 5	< 0.02	2.45	0.2	< 0.1
A369361 Orig	0.1	< 0.001	< 5	0.19	20.0	4.4	0.8
A369361 Dup	< 0.1	< 0.001	< 5	0.20	20.1	4.5	0.8
A369363 Orig	< 0.1	< 0.001	< 5	0.05	10.2	0.2	< 0.1
A369363 Split	< 0.1	< 0.001	< 5	0.06	11.6	0.4	< 0.1

Quality Control

Analyte Symbol	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A369374 Orig	< 0.1	< 0.001	< 5	< 0.02	0.69	0.3	< 0.1
A369374 Dup	< 0.1	< 0.001	< 5	< 0.02	0.68	0.3	< 0.1
A369388 Orig	< 0.1	< 0.001	< 5	0.04	0.87	0.3	< 0.1
A369388 Dup	0.2	< 0.001	< 5	0.03	1.38	0.3	< 0.1
A369288 Orig							
A369288 Dup							
Method Blank Method Blank	< 0.1	< 0.001	< 5	< 0.02	< 0.01	< 0.1	< 0.1
Method Blank Method Blank							

APPENDIX III
LIST OF PERSONNEL

Camp Services (Camp, Fuel, Flights, Cook, Helper, Geotech, Groceries, etc) provided by:

2112897 Ontario Inc. (Little Birch or Billiken)
65 Front Street East
Suite 304
Toronto, ON, M5E 1B5

Personnel: Micheal Cantin, Jason Ritch, Caroline Ritch, Pauline Gagnon, , Lori Ritch, David Coaster, Jeff Ritch

Drilling Services provided by:

Orbit Garant Drilling
3200, boul. Jean-Jacques Cossette
C.P. 965
Val-D'Or, Quebec, J9P 6Y6

Personnel: Keven Servant, Serge Therrien, Jimmy Perron Servant, Maxime de L'Etoile, Jocelyn Albert, Allen Allix, Serge Harvey, David Bisson

Helicopter Services provided by:

Expedition Helicopters
190 Hwy 11 West Box 160
Cochrane, ON, P0L 1C0

Personnel: Mark Cusack, Martin Bechard, David Collin, Bert Legallais

Assays done by: (Done in Thunder Bay, below is corporate address)

Activation Laboratories Ltd.
1336 Sandhill Drive
Ancaster, Ontario, L9G 4V5

Technical Management provided by:

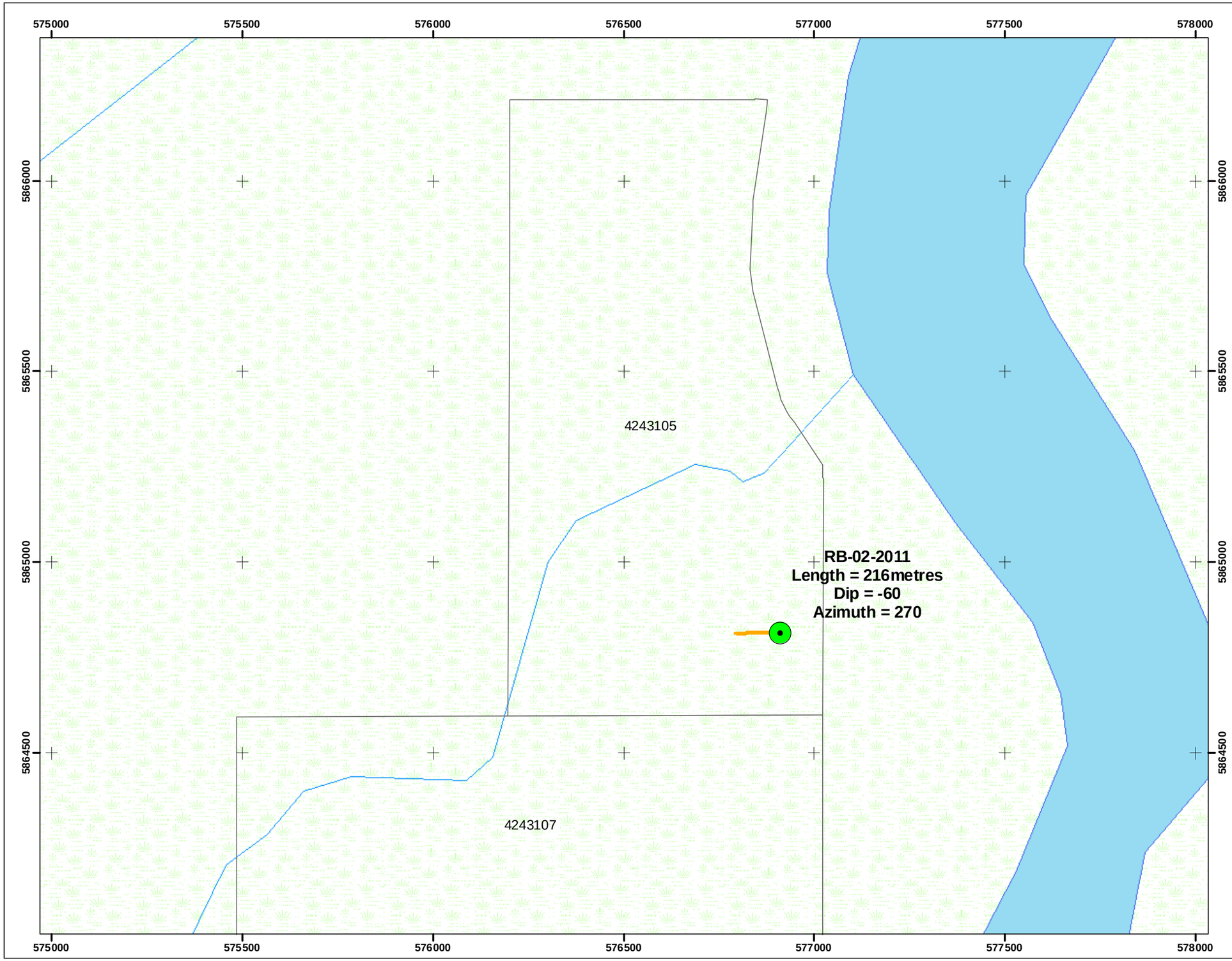
GeoVector Management Inc.
10 Green Street, Suite 312
Ottawa, Ontario, K2J 3Z6

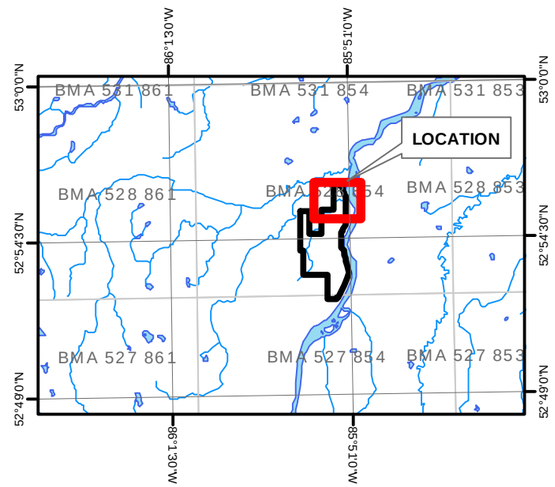
Personnel: Eric Hebert, Ian Lawyer, Al Burdon, Joe Campbell, Roman Tykaljo

MAPS

and

DRILLHOLE CROSS SECTIONS





Legend

- Drill hole collar
- Drill traces
- Riverbank Claims
- River/Streams
- Lakes
- Swamps

N

SCALE: 1:10,000

200 100 0 200

Metres

NAD83/UTM ZONE 16N

MELKIOR RESOURCES INC.

RIVERBANK PROJECT

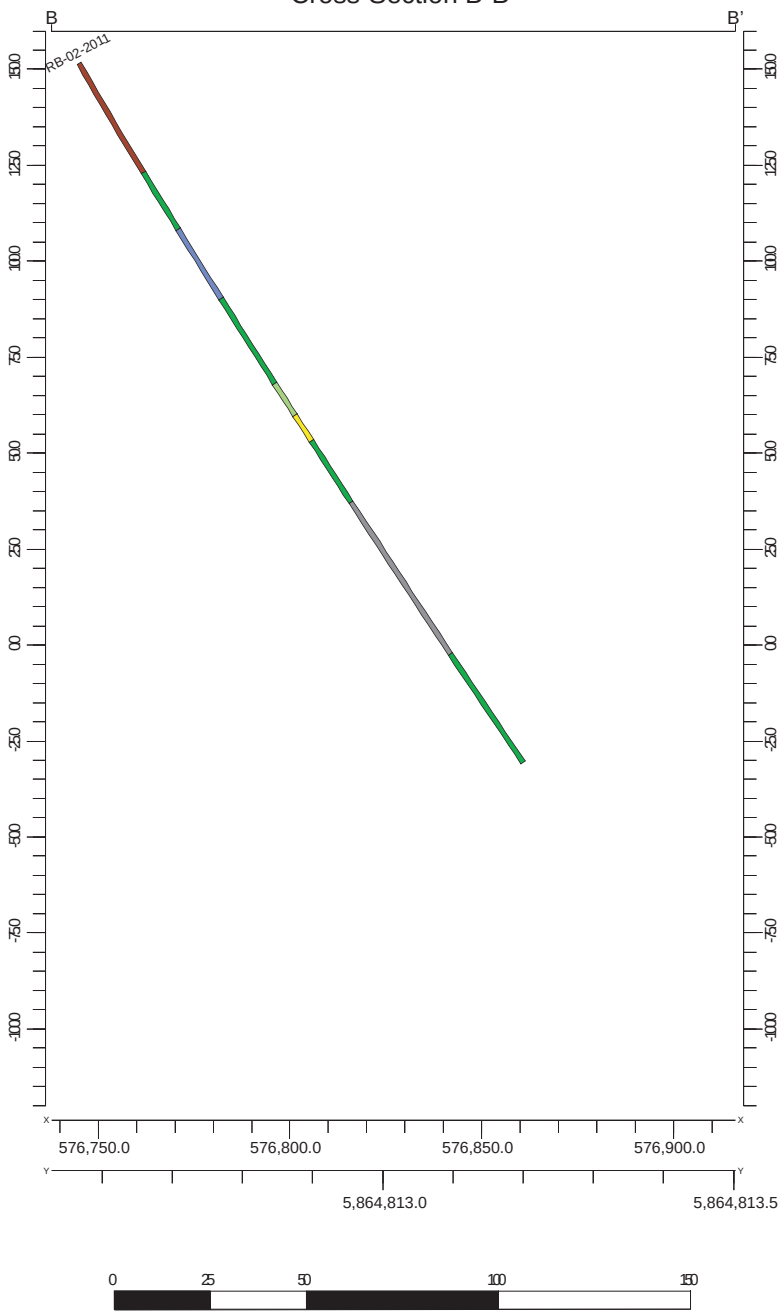
BMA 528 854 Township
Ontario, Canada
Porcupine Mining District
NTS sheet 43-C-13

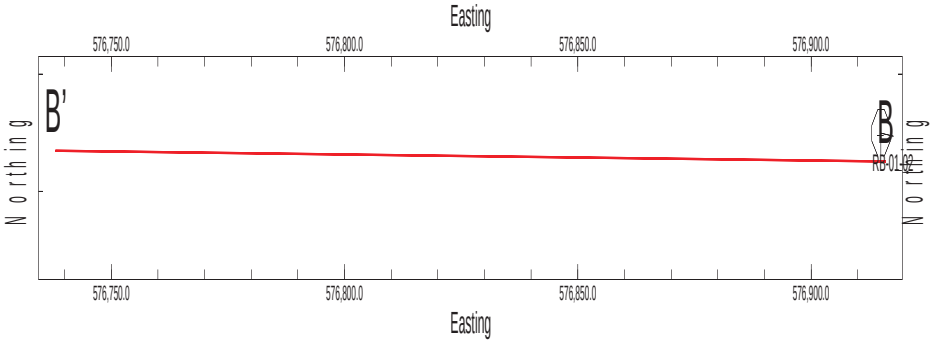
2011 Drill Hole Locations

drilled in July 2011 to August 2011

map prepared January 2012 by N. Hansen

Cross-Section B-B'





Lithology Index

- Argillite
- Gabbro
- Intermediate Volcanics
- Mafic Volcanics
- Overburden
- Quartz diorite
- Chlorite Schist
- Tonalite

Date: 14/12/11	Riverbank B-B' RB-02-2011
Drafted by: HH	
Scale: 1:100	UTM NAD83, Zone16U