First Lithium Resources Inc.

Benneweiss Property

2010 Exploration Program

Benneweiss Township, Ontario

NTS 41P/12SE

Mark Fedikow, Ph.D. P.Eng. P.Geo. C.P.G.

Mount Morgan Resources Ltd.

June 15, 2011

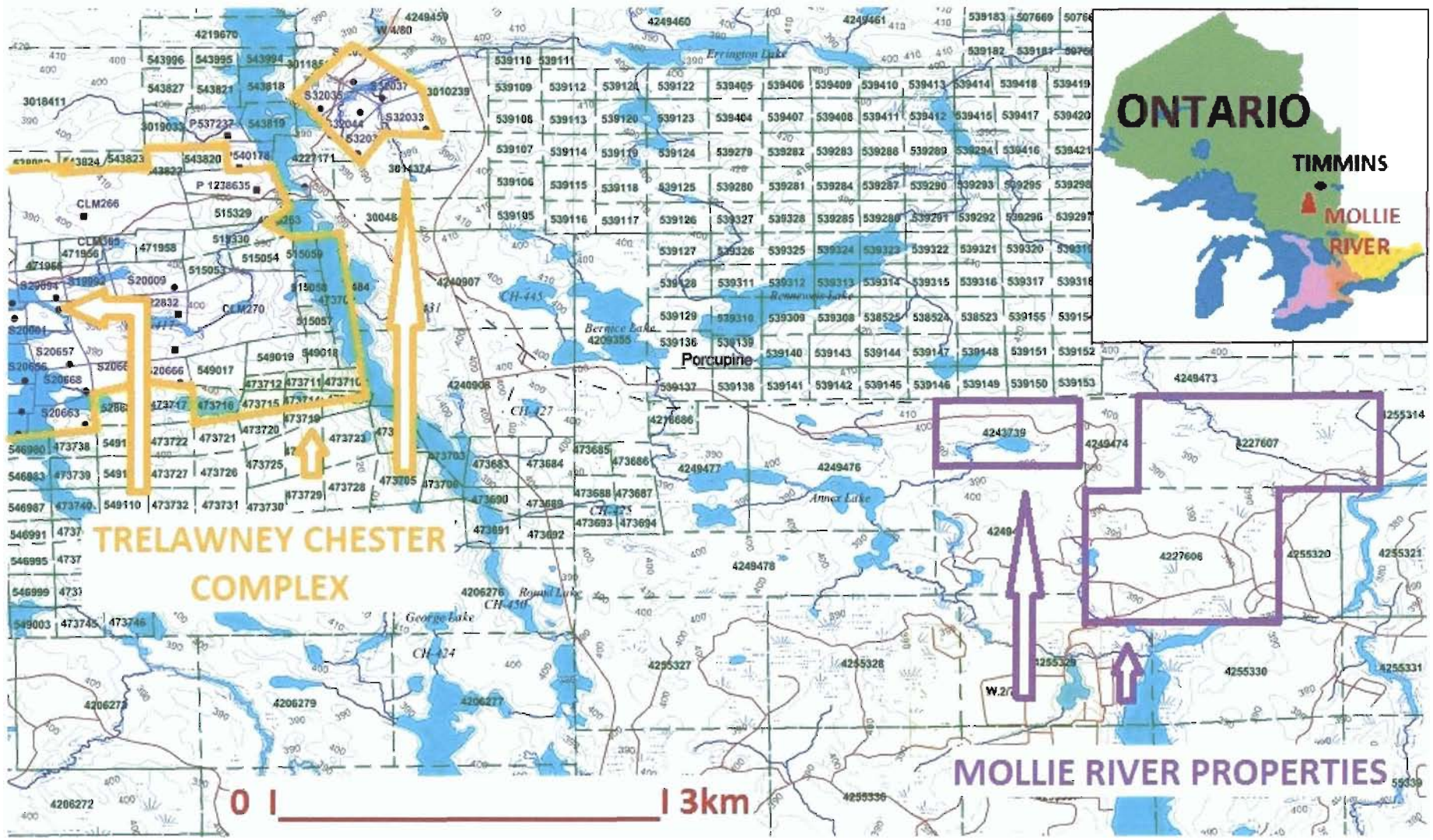

ONTARIO
TIMMINS
MOLLIE RIVER
TRELAWNEY CHESTER COMPLEX
MOLLIE RIVER PROPERTIES
Porcupine
0
3km

Table of Contents

List of Figures

List of Tables

SUMMARY

The First Lithium Mollie River drill program was designed to test magnetic and induced polarization anomalies. Drill holes intersected massive, fine- to coarse-grained gabbro, granite and granodiorite that are locally chloritic, silicified and carbonate-altered along narrow late shears and fractures. Mineralization consists of trace to 5% pyrite, pyrrhotite and chalcopyrite over core intervals of up to 14 m. Locally, 10% magnetite was observed as disseminations and wispy laminae in all lithologies. Pervasive fronts of alteration, including silicification and chloritization, were limited but observed in most varieties of gabbroic lithologies.

Assay results reveal mainly insignificant gold values, however, DDH MR-10-10 intersected a 9 m zone between 185 m and the bottom of the hole at 194 m with a range in gold values from <5 ppb to 1830 ppb (1.8 g/t Au) including single sample analyses of 346 ppb and 96 ppb. This zone is encapsulated by a broader zone of elevated copper with a range in concentration of 92 ppm to 1510 ppm (0.15% Cu). Mineralization is present as 1 mm blebs, wisps and fracture fillings of pyrrhotite, chalcopyrite and pyrite hosted by chloritic and silicified gabbro. Deepening of this drill hole to 293 m did not intersect a postulated deeper gold mineralized zone and assay data returned <5 ppb to 55 ppb gold, 2-437 ppm copper and 2-164 ppm nickel. A deep-looking Mobile Metal Ions soil geochemical survey is recommended for the property but in the event this survey is not undertaken, no further work on the property is warranted.

Location and Access

The property consists of 3 claims totaling 1480 acres and is located in eastern Benneweiss Township (NTS 41P), District of Sudbury approximately 15 km south-

southwest of the town of Gogama, 100 km north of Sudbury or 120 km south-southwest of Timmins in the Gogama Mining Division of north-central Ontario (Figure 1). Access to the property is excellent via paved Highway 144 traveling north 100 km from Sudbury or south 130 km from Timmins. At the intersection of Highways 144 and 560 a series of gravel, logging and railway access roads provide immediate access to the property. An abandoned hydro-electric power line runs east-west approximately1 km north of the property. The main line north of Sudbury of the Canadian National Railroad crosses Highway 560 approximately 15 km east of the property, and comes to within 5 km of the property.

The topography is generally flat due to a veneer of glacial sand and outwash plains with unknown depth to bedrock. The Mollie River drainage system transects the property and provides water for diamond drilling. Drainage varies from poor to excellent with pine, cedar, birch, poplar and spruce overstory in non-bog areas. The property was optioned from Newcastle Minerals Ltd. by First Lithium Resources Inc. with the option of earning up to a 75% interest in the Mollie River claims. The Mollie River property is 4 km east of Trelawney Mining's Chester Township gold deposits.

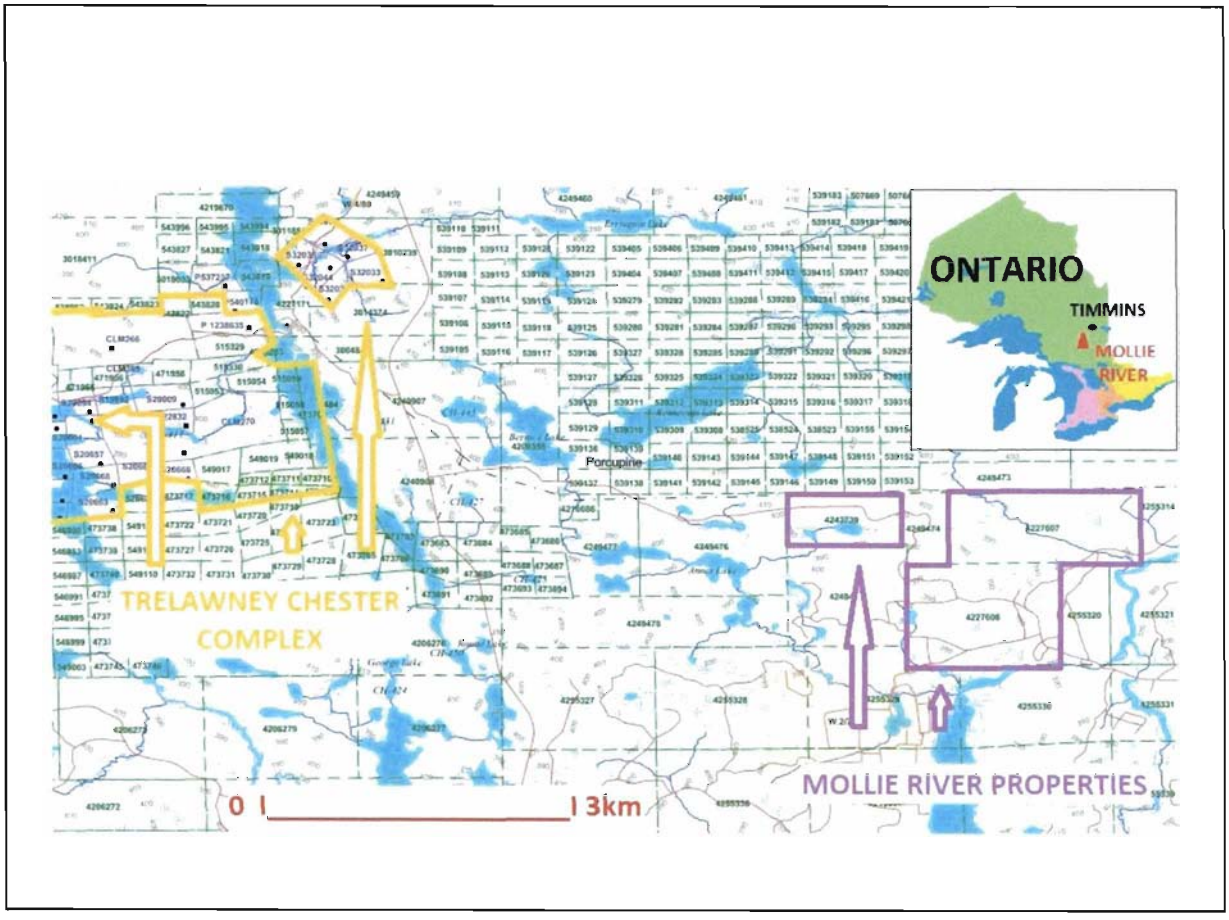


Figure 1. Location map for the Benneweiss Project in relation to topography and claim fabric.

Regional Geology

The Benneweiss property occurs in the southwestern portion of the Abitibi supracrustal belt. Past geologic mapping has been undertaken by Laird (1932) and Sitagusa (1982). The area of the property is generally granitoid and migmatitic rocks with narrow, generally east-west trending metavolcanic and metasedimentary belts. The granitoids are predominantly potassic although sodic granites are more common in the immediate vicinity of the property. The granites are of typical hypidiomorphic texture with a varying biotite component of 10 to 20%. Subordinate to the granites are gabbroic and dioritic

migmatites, interpreted to be recrystallized supracrustal rocks. The migmatites are generally massive, coarse-grained, and heterogenous in texture and composition owing to their varied origins. Numerous Matachewan diabase dykes, cross-cut all other rocks and have a predominant strike of 340 to 360 degrees.

The area north of the Benneweiss property is marked by east-trending Archean metavolcanic rocks and metasedimentary rocks. These units may dip vertically or at steep angles to the north or south. The northern portion of this belt of rocks is characterized by basalts that have attained greenschist facies metamorphism. These units are flanked to the south by metasedimentary rocks consisting of variable amounts of conglomerate, arenite and iron formation. Further south and east in the area of the First Lithium Mollie River property the geology is dominated by interlayered basalt, gabbro, granodiorite and granite crosscut by thin brittle fractures. The lack of outcrop in the area precludes detailed description. Numerous north-northwest trending diabase dykes occur throughout the belt and may be displaced by northwest-trending faults.

Property Geology

Magnetite-bearing gabbro in outcrop is present on the property however a veneer of glacial outwash and sand obscures most of the geology in the area. Drilling records indicate the presence of gabbro, granodiorite and granite intruding basalt. All rock types are crosscut by thin brittle fractures accompanied by minor amounts of iron sulphide and rare chalcopyrite in association with locally intense to pervasive silicification and chloritization. Some quartz-carbonate veins are reported. Minor brittle fractures with sporadic gold values are reported from areas immediately adjacent to the property.

Previous Work

In 1971 Texasgulf drilled geophysical targets in gabbro north of Mollie Lake in search of copper and nickel sulphide mineralization. Magnetite was found and is considered to have been the cause of the geophysical anomalies. Although no assays were reported, drill logs make reference to a number of structural zones with quartz-carbonate stringers and "above average" disseminated sulphide including chalcopyrite within mafic and intermediate intrusions.

In 1981 National Iron Res. mapped an area east of Chester Township including the Benneweis property at a scale of 1:2400. The gold potential at this time was linked to the presence of blue quartz eyes in quartz diorite.

In 1981 G. M. Siragusa of the Ontario Geological Survey mapped the PensylLake area which included the north part of the Benneweis Township property. In 1987 the Benneweis Township claims were staked by *E*dward J. Korba of Connaught, Ontario and transferred to Actuate Resources Limited upon recording. Linecutting commenced in the winter of 1987-88 but was not completed until July and August, 1988.

A geological survey was carried out between August 9th and August 22nd and a magnetometer survey between August 14th and August 23rd, 1988 by A. C. A. Howe International Ltd.

In 1988 M. Alexander and N. Novak undertook a geological mapping program on claims in the central portion of Benneweiss Township for Blue Falcon Mines Ltd. and Robert Leliever Property Holdings.

Vision Exploration Inc. undertook ground geophysical surveys on the Mollie River property including I.P. chargeability and resistivity and magnetometer surveys.

2010-2011 Exploration Program

The First Lithium Mollie River drill program was designed to test magnetic and induced polarization anomalies. No other survey data was integrated with these data to target diamond drill holes. The results from the June 2010 surveys undertaken by Vision Exploration Inc. are presented for I.P. chargeability and magnetometer surveys in Figures 2 through 4. These figures document coincident magnetic and chargeability anomalies that were the targets of the 2009-2010 drill program. Figure 5 gives the location of drill collars established to test these geophysical targets. All costs relating to the drill program are given in Appendix 5.

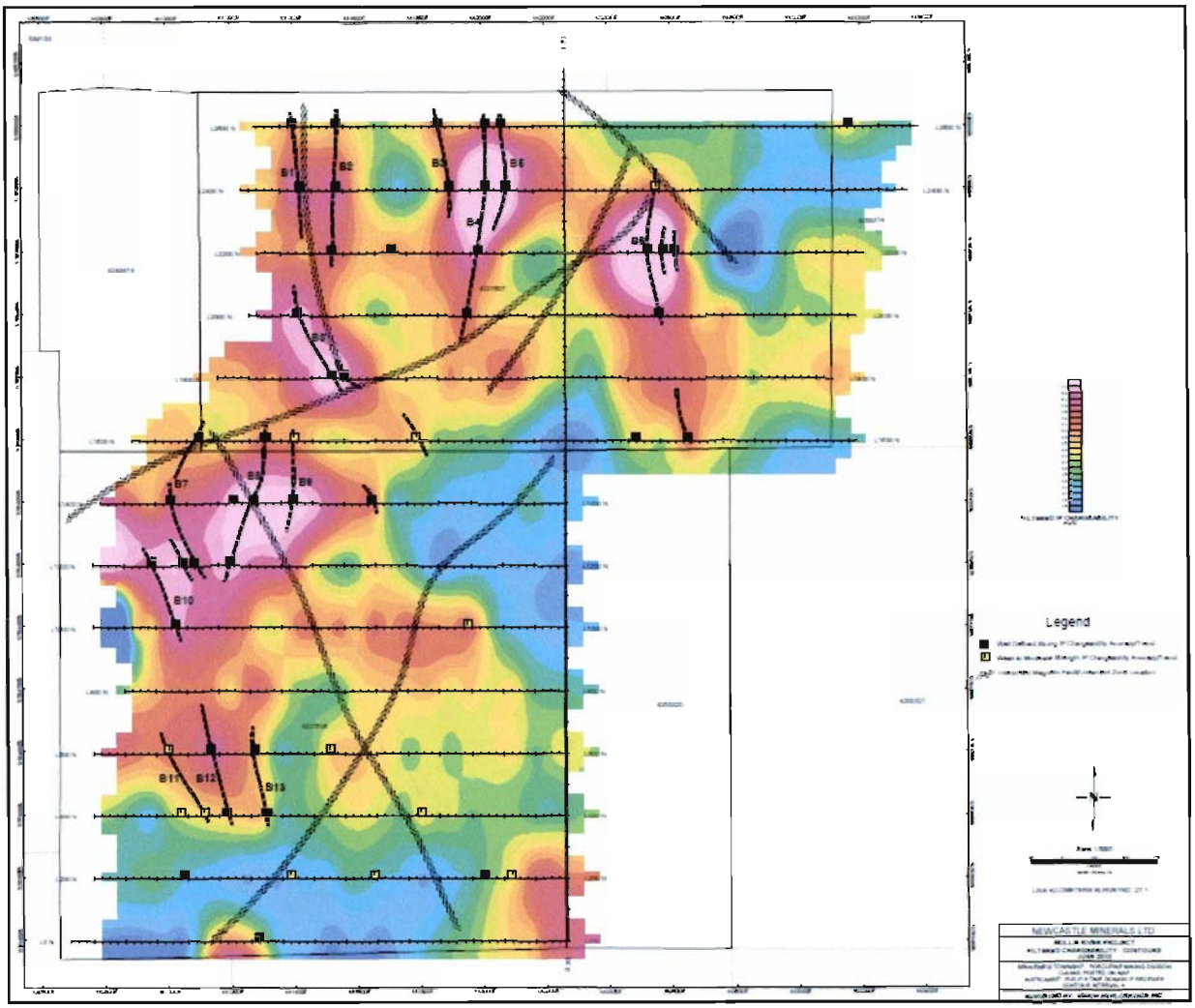


Figure 2. Results of filtered I.P. chargeability (contoured data) and anomaly trends in the geophysical surveys on the Mollie River property, June 2010.

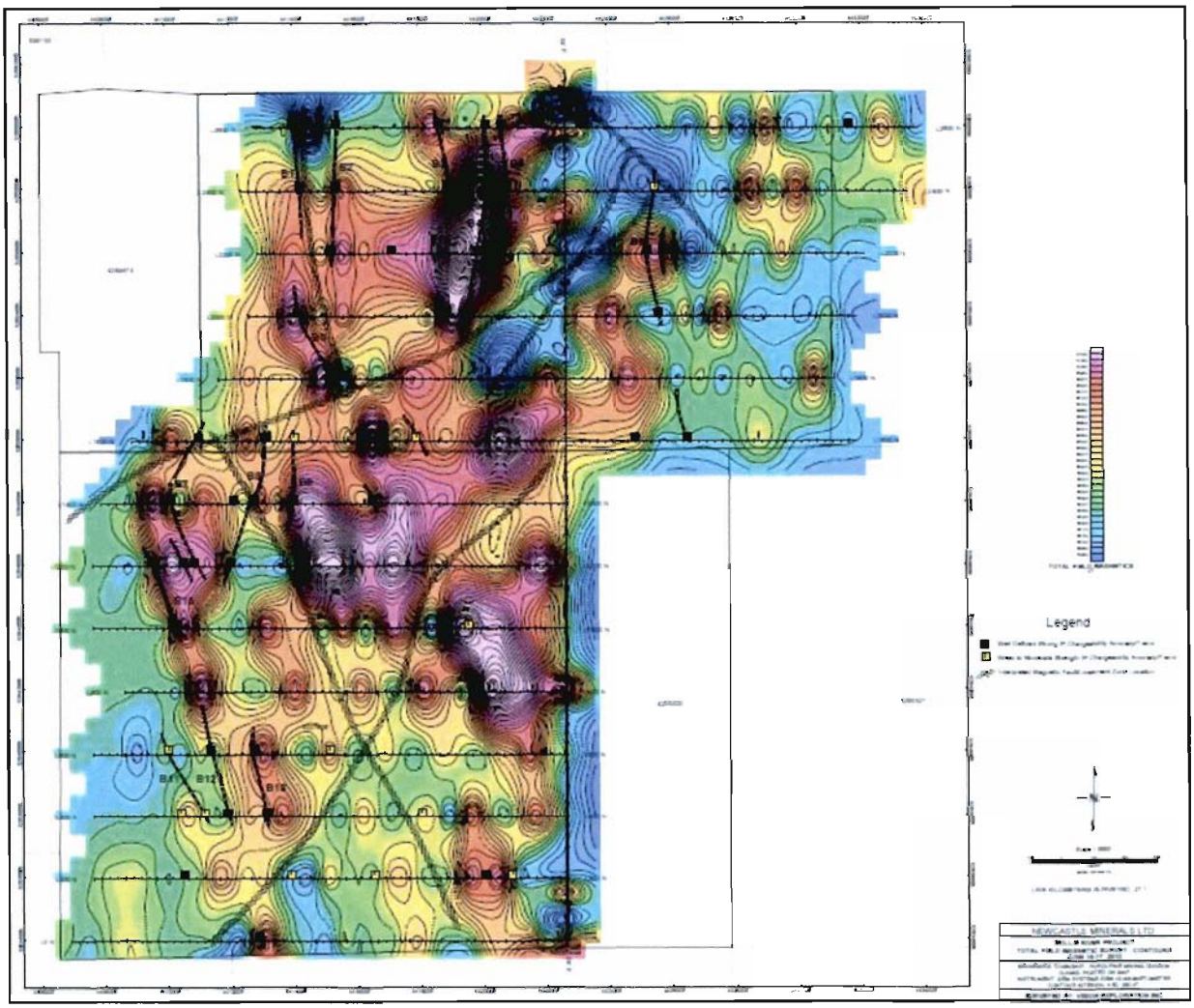


Figure 3. Results of Total Field magnetometer geophysical surveys with I.P. chargeability anomaly trends, Mollie River property, June 2010.

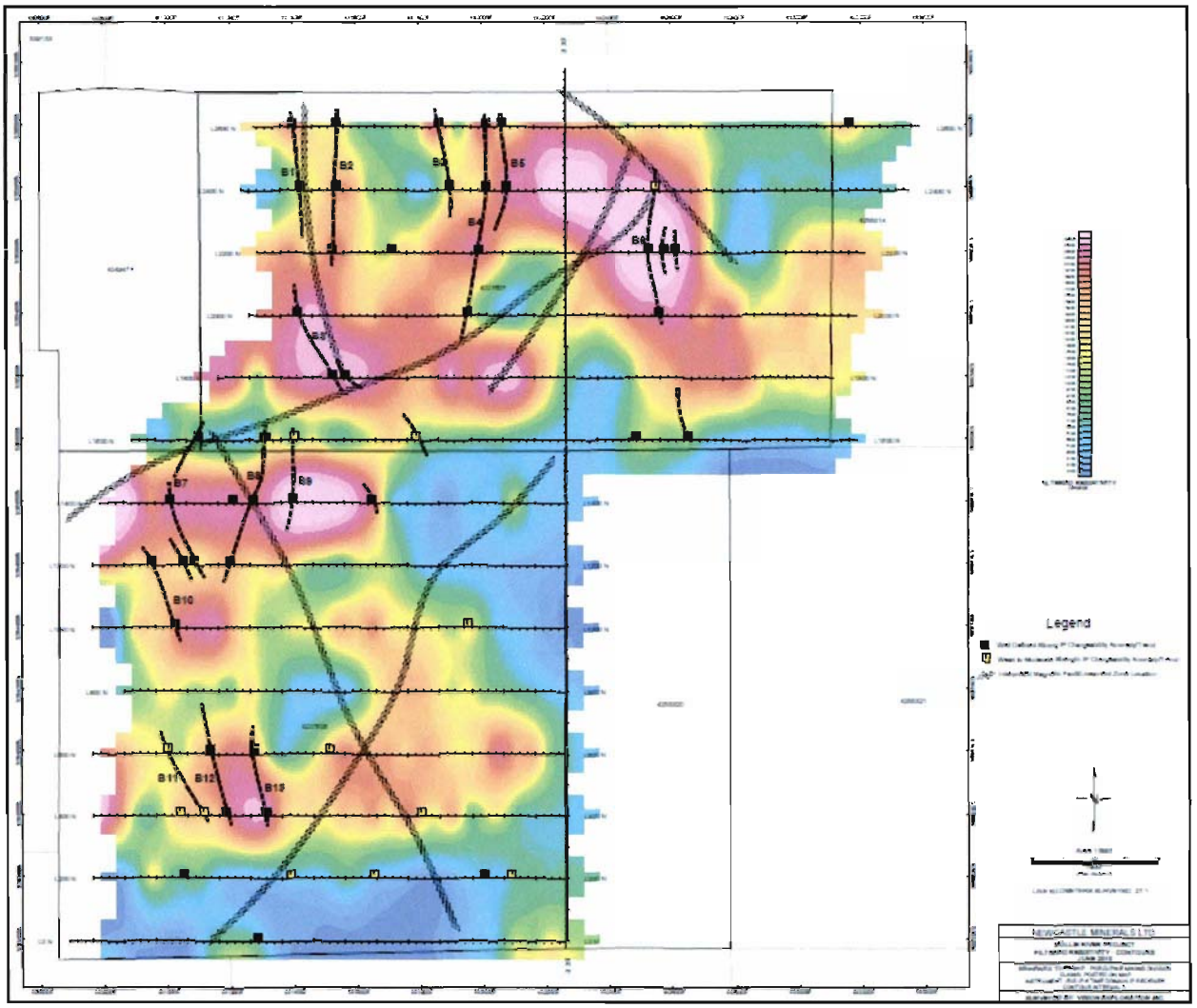


Figure 4. Results of filtered resistivity contours with I.P. chargeability trends, Mollie River property, June, 2010.

Diamond Drill Program-Phase One

The First Lithium Mollie River drill program was designed to test magnetic and induced polarization anomalies. The Phase 1 drill program was initiated November 26, 2010 and ended January 5, 2011. Drilling was supervised by Mark Fedikow, P.Eng. P.Geo. C.P.G. and the drill was sat by contract geologist G.F. Janson. Phase 2 of the program

was undertaken between April 1 and April 4, 2011 and was under the direct control of Ed Ludwig, Geologist.

Drill holes intersected massive, fine- to coarse-grained gabbro, granite and granodiorite that are locally chloritic, silicified and carbonate-altered along narrow late shears and fractures. Mineralization consists of trace to maximum 5% pyrite, pyrrhotite and chalcopyrite over core intervals of up to 14 m. Magnetite was observed as disseminations and wispy laminae in all lithologies. Pervasive fronts of alteration, including silicification and chloritization, were limited but not uncommon in gabbroic lithologies.

The diamond drill holes collared in the Phase One drill program to test the chargeability and resistivity features on the Mollie River property are depicted in Figure 5. Table 1 summarizes the drill holes.

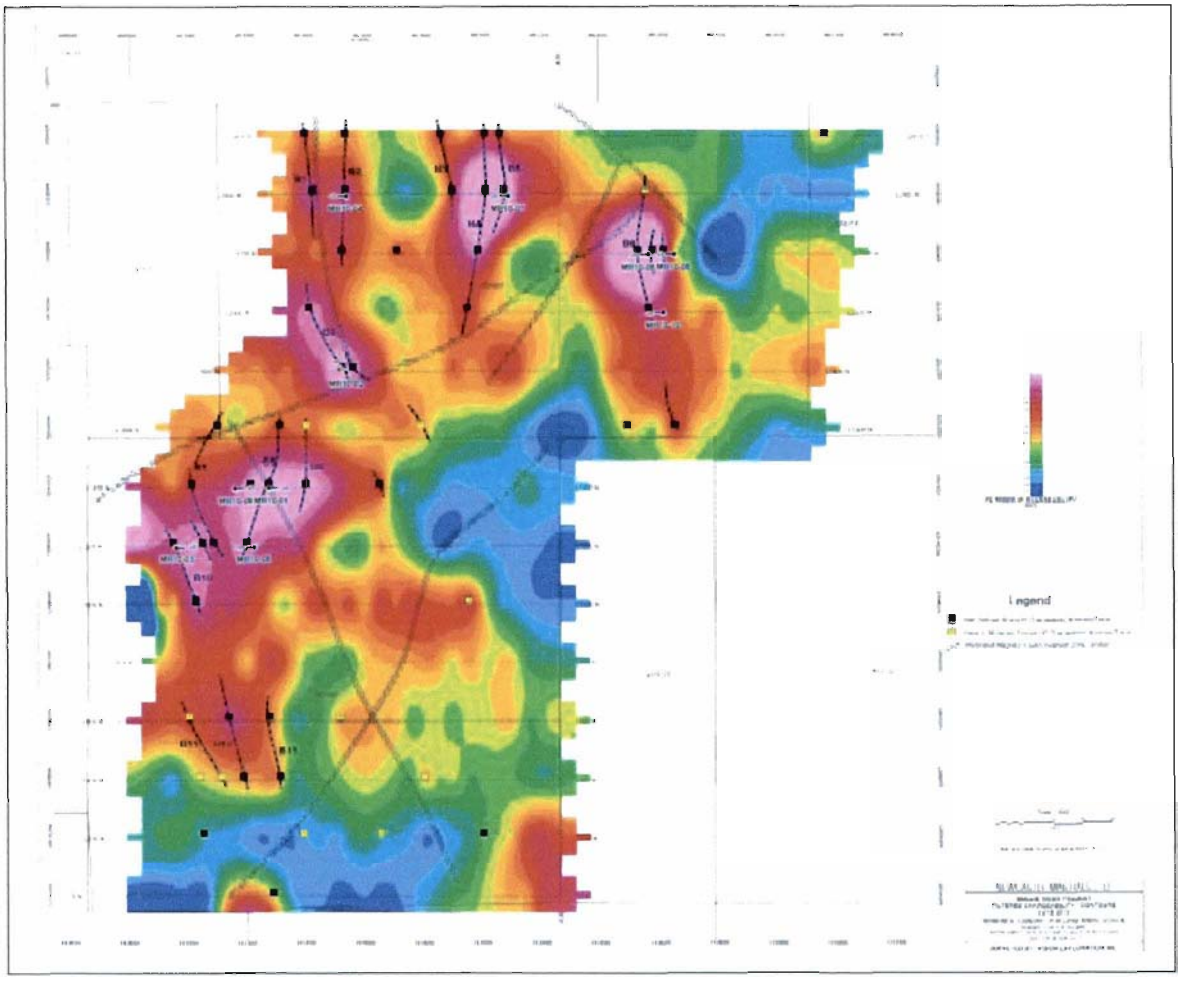


Figure 5. Location of drill holes testing geophysical (I.P. and magnetic anomalies) targets, Mollie River property.

Table 1. Summary of Phase 1 and Phase 2 drill holes, Mollie River property.

Phase 1						
DDH	**Grid Coordinates**	**Start**	**Finish**	**Declination**	**Inclination**	**Total Depth (m)**
MR10-01	14+00N, 9+85W	11/26/2010	11/29/2010	90	-45	197
MR10-02	18+00N, 7+25W	11/30/2010	12/2/2010	315	-45	195.4

MR10-03	12+00N, 13+00W	12/3/2010	12/6/2010	90	-45	200
MR10-04	24+00N, 7+25W	12/6/2010	12/9/2010	270	-45	200
MR10-05	12+00N, 10+40W	12/10/2010	12/13/2010	270	-45	200
MR10-06	22+00N, 3+00E	1/6/2011	1/8/2011	270	-45	200
MR10-07	24+00N, 1+75W	1/14/2011	1/17/2011	270	-45	181.5
MR10-08	22+00N, 3+87E	1/10/2011	1/13/2011	270	-45	200
MR10-09	14+00N, 11+00W	12/14/2010	12/17/2010	90	-45	185
MR10-10	20+00N, 3+50E	1/3/2011	1/5/2011	270	-45	194
Phase 2						
MR10-10 extended	20+00N, 3+50E			270	-45	194--293
NOTE: All core NQ; holes drilled with a Longyear 38 drill.						

RESULTS OF DIAMOND DRILLING

Diamond Drill Program Phase 1

Phase 1 drilling on the Mollie River property consisted of 10 holes for a total meterage of 1952.9 m. Holes generally averaged 200 m in depth. A total of 698 core samples were collected for assay from these holes. Results are discussed below. Drill logs are presented in Appendix 1.

Very similar results were obtained in terms of lithologies, alteration and mineralization in the Phase 1 drill holes. Gabbro was intersected in each hole and varies from fine-grained to very coarse-grained, magnetic (5% disseminated) to non-magnetic, locally sheared and weakly silicified. Mineralization consisted of a maximum 2% disseminated and wispy pyrite, pyrrhotite and rare chalcopyrite, often associated with sheared gabbro. Carbonate-filled fractures were also present. Mineralization in the gabbros was very weak with the most abundant sulphide mineralization observed reaching 2% blebby pyrrhotite, chalcopyrite, pyrite and possible sphalerite. An assay sample from a 0.5 m assay sample of this material is discussed under "Phase 1 Assay Results" below.

Gabbroic rocks were intercalated with granodiorite and granite dykes. The felsic to intermediate bulk chemical composition rocks were non-mineralized and occasionally iron-stained and chloritic but almost always non-mineralized. Contacts with gabbro in thicker granitoid intercepts was often diffuse suggesting assimilation.

Fine-grained mafic lithologies intersected in drill core were termed basalt however may have been chilled contacts of gabbro. These rocks were fine-grained to aphanitic, weakly to moderately chloritized with <5% disseminated magnetite and non-mineralized white quartz veins.

Assay Results

Phase 1 Drill Program (Appendix 3)

Drill core was generally sampled at 1 m intervals where sulphide mineralization was observed. Six hundred and ninety-eight core samples were split and one-half of the sample interval sent to Activation Laboratories for analysis. Assays included gold by fire

assay on a 30 g sample and multi-element ICP subsequent to an aqua-regia digest. Results were generally low however DDH MR-10-10 intersected a 9 m zone between 185 m and the bottom of the hole at 194 m with a range in gold values from <5 ppb to 1830 ppb (1.8 g/t Au) including single sample analyses of 346 ppb and 96 ppb. This zone is encapsulated by a broader zone of elevated copper with a range in concentration of 92 ppm to 1510 ppm (0.15% Cu). Mineralization is present as 1 mm blebs, wisps and fracture fillings of pyrrhotite, chalcopyrite and pyrite hosted by chloritic and silicified gabbro.

Analytical/assay reproducibility was assessed for the gold assays by submitting a suite of samples originally assayed by Activation Laboratories to Swastika Laboratories (Timmins, Ontario). Excellent comparability between laboratories is noted and the result for the high-grade gold assay is summarized in Table 2 below.

Table 2. Single core sample with elevated gold assay DDHMR10-10, Phase 1.

Sample	Laboratory	Fire Assay-AAS Finish	Fire Assay-Gravimetry
2600	Activation Laboratories	1830 parts per billion	
2600	Swastika Laboratories	2105 parts per billion	1988 parts per billion

Diamond Drill Program Phase 2

Phase two drilling consisted of the deepening of DDHMR10-10 from 194 m to 293 m. The purpose was to assess an elevated gold assay in the original DDHMR10-10 that was observed from a sample near the bottom of this hole. It was considered a possibility that the elevated gold assay was an indication of a more deeply buried zone of gold mineralization. The drill log for this hole is given in Appendix 2.

DDH MR10-10 "extended" was drilled to a depth of 293 m and a total of 45 core samples were collected and sent for assay. Lithologies intersected by this hole are summarized in the drill log in Appendix 1 and include magnetic and non-magnetic coarse-grained gabbro with non-mineralized white quartz veinlets and foliated basalt.

A mineralized interval was intersected between 214 and 217.6 m and consisted of 2-3% pyrite and trace to 1% finely disseminated chalcopyrite. The hole was terminated at 293 m in non-mineralized and unaltered medium- to coarse-grained gabbro.

Phase 2 Drill Program (Appendix 4)

The deepening of drill hole MR10-10 resulted in a weakly mineralized pyrite-chalcopyrite zone. Assay results for 45 samples of drill core gave a range of <5 ppb to 55 ppb with low Cu (2-437 ppm) and Ni (2-164 ppm) throughout the hole. No additional assay work was warranted. Data is presented in Appendix 4 and includes duplicate analyses.

RECOMMENDATIONS

The recent ground geophysical surveys (I.P. and magnetometer) have outlined a number of priority anomalies on the Mollie River property that warranted drill testing. The results indicate the geophysical responses are related to the presence of small amounts (maximum 5%) of disseminated and veinlet pyrite with rare pyrrhotite, chalcopyrite and magnetite. No significant assay results were obtained with the exception of one sample of 2 g/t Au over 0.5 m. Only a very narrow zone of silicification and lesser chloritization was noted in association with this portion of the drill core. Upon deepening of DDHMR10-10 no significant gold mineralized zone was intersected and low assays for gold, nickel and copper were returned.

The general area of the exploration program is mantled by sandy overburden and no outcrop was observed in the area of the drill collars. In the absence of outcrop, Mobile Metal Ions ("MMI") soil geochemical surveys should be done over each of the geophysical targets tested by the drilling programs. In terms of mineralization and assay data, structure and alteration no significant results were obtained by the drilling of a single hole in each geophysical target. Accordingly, the MMI surveys offer the opportunity to provide a deep-looking geochemical assessment of the geophysically-anomalous areas.

REFERENCES

Alexander, M. and Novak, N. 1988: Geological Report on Blue Falcon Mines and Robert Leliever Property Holdings in central Benneweiss Township (Assessment Report 41P12SE0527).

Barnett, G. 1988: Magnetic survey of Benneweiss Township, A.C.A. Howe International Limited for Actuate Resources Limited (Assessment File 41P12SE0526).

Laird, H.C. 1932: Geology of the Three Ducks lake area; Ontario Department of Mines, Annual Report for 1932, Volume 41, Part 3, pages 1-34. Accompanied by Map 41d, 1 inch to ¾ mile.

Siragusa, G.M. (1982): Precambrian geology of the Pensyl lake area, Sudbury District; Ontario Geological Survey Map P.2534, Geological Series-Preliminary map, Scale 1:15840 or 1 inch to ¼ mile.

Terraquest Ltd. 1985: Report on airborne magnetic and VLF-EM surveys, Swayze Syncline area, Porcupine Mining Division, Ontario for Blue Falcon Mines Ltd. (Assessment File 41P12SE0525).

Westin, B.A. 1988: Geological report on the Benneweiss property; A.C.A. Howe International Limited for Actuate Resources Limited (Assessment File 41P12SE0525).

STATEMENT OF QUALIFICATIONS

I, Mark A.F. Fedikow do hereby certify that:

1) I have been practicing my profession in Canada since 1975, as an exploration geologist and geochemist as an employee of major and junior mining and exploration companies, the Manitoba Provincial government and as an independent consultant (Mount Morgan Resources Ltd.).

3) I am a member of the Association of Professional Geoscientists of Manitoba (registered as P.Eng. and P.Geo.) and as a Professional Geologist (C.P.G.) with the American Association of Professional Geologists (Westminster, Colorado, U.S.A.), the Prospectors and Developers Association of Canada, and Association of Applied Geochemists (Fellow).

4) I am the author of this report that is based on the diamond drill testing of I.P. and magnetic geophysical anomalies.

June 15, 2011

Mark Fedikow P.Eng. P.Geo. C.P.G.

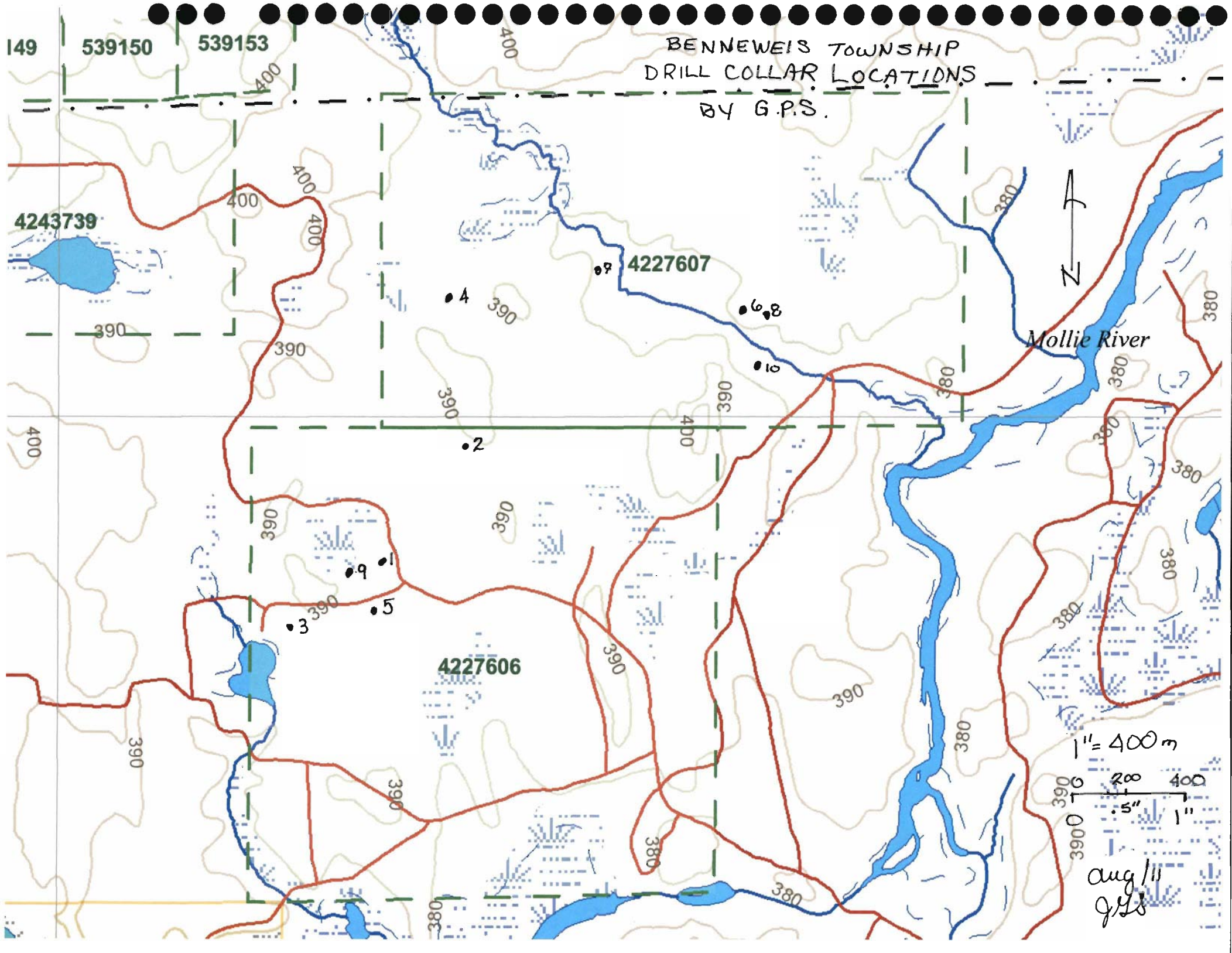
Mount Morgan Resources Ltd.

Winnipeg, Manitoba R3T 1N9

DRILL LOGS

AND

SECTIONS


149
539150
539153
BENNEWEIS TOWNSHIP
DRILL COLLAR LOCATIONS
BY G.P.S.
4243739
4227607
4227606
Mollie River
N
1"= 400m
0 200 400
.5" 1"
aug/11
GPS

DIAMOND DRILL LOG

Hole No. MR10-01					**Page** 1/8
Property: Mollie River, ON	**Date Collared:** 26 Nov 2010	**Azimuth:** 090	**Logged by:** G.F. Janson	**UTM:**	E
Grid Coordinates: 14+00N / 9+85W	**Date Completed:** 29 Nov 2010	**Length:** 197m	**Assays by:** Actlabs Timmins		N
Purposes: Test target B8	**Core Size:** NQ	**Dip:** -45	**Drilled by:** Salo	**Drill Rig:** Longyear 38	**Datum:**

Interval		Recovery (%)	Description	Sample number	Interval		Sample Length	Sample Description
From	To				From	To		
0.00	4.50		Casing/Overburden					
4.50	25.89		Gabbro; generally fine grained to locally aphanitic; light green colour; texture variable as noted; pervasive weak to moderate chloritization of hornblende					
			4.50-11.28m: abundant calcite disseminated and stringers					
			4.50-6.91m: broken/ground core; recovery <10%					
			11.28-18.20m: 2-4% diss. magnetite; <2mm grains					
			15.96-16.11m: bleached zone (green stained qtz.) around 1cm wide qtz vein at 18.04m; vein orientation 45° to CA					
			17.32-18.04m: fine-med grained gabbro; several 2-8mm qtz veins at 30-50° to CA; 3-5% magnetite					
			18.20-18.74m: weak foliation expressed in stretched gabbro blobs and calcite wisps					
			18.74-19.30m: fine-med grained gabbro					
			19.30-19.73m: weak foliation as 18.20-18.74m					

DIAMOND DRILL LOG				Hole No. MR10-01				Page 2/8
Interval		Recovery	Description	Sample	Interval		Sample	Sample Description
From	To	(%)		number	From	To	Length	
			19.73-25.89m: massive f.g. gabbro; carbonate absent; abundant	2000	23.00	24.00	1.00	f.g. gabbro; nil-tr. sulphides
			fine (<1mm) qtz veins at 20-65° toCA; grain size gradational to very	2001	24.00	25.00	1.00	f.g. gabbro; nil-tr. sulphides
			fine (aphanitic) from 24.40-25.89m (chill margin with underlying	2002	25.00	25.89	0.89	f.g. gabbro; nil-tr. sulphides
25.89	87.20		Gabbro; med. to v. coarse grained (2-20mm) and variable throughout; locally sub-ophitic; light green colour; tr. calcite veinlets; tr.-1% sulphides (po>cpy, py) disseminated throughout; generally massive; upper contact sharp at 40° to CA; pervasive moderate chloritization of mafics (hornblende); weakly magnetic due to finely disseminated magnetite					
			26.23-26.78m: dark green (low % felsics) gabbro with	2003	25.89	27.00	1.11	med. gr. gabbro; 2%>po>cpy>py
			3%>po>cpy>py; UC rough; LC fairly sharp at ~50° to CA	2004	27.00	28.00	1.00	m.g. gabbro; 1%>po>cpy
				2005	28.00	29.00	1.00	m.g. gabbro; 1%>po>cpy
			26.78-33.19m: trace - 1% sulphides; po>cpy, py	2006	29.00	30.00	1.00	med-coarse gabbro; 1%>po>cpy
			30.35-30.69m: sheared zone with 2cm wide qtz vein at centre; orientation 15° to CA	2007	30.00	31.00	1.00	med-coarse sheared gab; tr. sulphides
				2008	31.00	32.00	1.00	med-coarse gab; tr. sulphides
				2009	32.00	33.00	1.00	med-coarse gab; tr. sulphides
			33.19 - 35.66m: coarse to v. coarse grained; sub-ophitic; 2-3% diss.	2010	33.00	34.00	1.00	c.g. gab; 1%>po>cpy
			34.08m: broken chunk of magnetite approx. 2 cm wide	2011	34.00	35.00	1.00	c.g. gab; 1%>po>cpy
			34.30-34.37m: mafic dkye? v.f.gr.; greyish green; weakly					
			34.75-34.88m: mafic dyke as above; jagged contacts					
			34.88-35.26m: 90% quartz; 10% mafic flecks + fsp; UC jagged; LC fairly sharp @ 20° to CA	2012	35.00	36.00	1.00	silicified+sheared gab; tr. sulphides
			35.66-37.93m: gabbro highly sheared and variably silicified; well	2013	36.00	37.00	1.00	silicified+sheared gab; tr. sulphides
			developed foliation @ 15-40° to CA; tr. carbonate; sulphides absent	2014	37.00	38.00	1.00	silicified+sheared gab; tr. sulphides

DIAMOND DRILL LOG				Hole No. MR10-01				Page 3/8
Interval		Recovery	Description	Sample number	Interval		Sample Length	Sample Description
From	To	(%)			From	To		
			37.93-40.25m: tr.-1% sulphides; po>cpy+py	2015	38.00	39.00	1.00	med-coarse gab; 1%>po>cpy
				2016	39.00	40.25	1.25	med-coarse gab; 1%>po>cpy
			40.25-41.48m: v.f.gr. gabbro as 19.23-25.89m	2017	40.25	41.48	1.23	v.f.gr. gab; nil-tr. sulphides
			41.83-41.95m: v.coarse grd. fsp (to 3 cm); coarse hbl+mag	2018	41.48	42.00	0.52	coarse-v.coarse gab; tr. sulphides
			45.15-45.68m: fewer felsics; 4-6% mag up to 5mm size; 2% po	2019	42.00	43.00	1.00	coarse-v.coarse gab; tr. sulphides
				2020	43.00	44.00	1.00	coarse-v.coarse gab; tr. sulphides
				2021	44.00	45.00	1.00	coarse-v.coarse gab; 1%>po>cpy
				2022	45.00	46.00	1.00	coarse-v.coarse gab; 1% po, <1% cpy
				2023	46.00	47.00	1.00	coarse-v.coarse gab; 1% po, <1% cpy
			47.34-47.58m: qtz vein; 3cm wide; waby contacts @ 15° to CA	2024	47.00	48.00	1.00	coarse-v.coarse gab; qtz vein; tr. sulphides
			48.03 - 48.40m: several healed fractures (faults?) @ 50° to CA	2025	48.00	49.00	1.00	coarse-v.coarse gab; 1%>po>cpy
			49.01-49.11m: 10% magnetite blebs	2026	49.00	50.00	1.00	coarse-v.coarse gab; 1% po, <1%cpy
				2027	50.00	51.00	1.00	coarse-v.coarse gab; 1% po, <1%cpy
				2028	51.00	52.00	1.00	coarse-v.coarse gab; 1% po, <1%cpy
				2029	52.00	53.00	1.00	med-coarse gab; 1%>po>cpy
				2030	53.00	54.00	1.00	coarse-v.coarse gab; 1%>po>cpy
			54.22-54.55m; strong chl. alt'n some hbl remains but no felsic minerals; 2cm po+cpy bleb at 54.42m; UC fairly sharp @ 40° to CA; LC irregular	2031	54.00	55.00	1.00	strong chl. alt'n; 1% po, <1%cpy
				2032	55.00	56.00	1.00	c.gr. gab; chl. alt'n; 1%>po>cpy
				2033	56.00	57.00	1.00	c.gr. gab; chl. alt'n; 1%>po>cpy
				2034	57.00	58.00	1.00	med-coarse gab; 1%>po>cpy
			58.61-59.42m: sheared zone (plastic def.); fabric @ 30° to CA; UC wavy @ 30° to CA, LC fairly sharp @ 40° to CA	2035	58.00	59.00	1.00	coarse sheared gab; tr. sulphides
			59.57-61.23m: several 1-2cm patches of fragmented magnetite	2036	59.00	60.00	1.00	coarse sheared gab; 1%>po>cpy
				2037	60.00	61.23	1.23	coarse-v.coarse gab; 1%>po>cpy
			61.23-63.00m: mafic dyke; dk. grey; v.f.grd.; mod'ly magnetic; contacts fairly sharp @ 25 ° to CA; 2mm chill margins	2038	61.23	62.00	0.77	mafic dyke; nil-tr. sulphides
				2039	62.00	63.00		mafic dyke; nil-tr. sulphides

DIAMOND DRILL LOG					Hole No. MR10-01				Page 4/8
Interval		Recovery (%)	Description	Sample number	Interval		Sample Length	Sample Description	
From	To				From	To			
				2040	63.00	64.00	1.00	med-coarse gab; 1%>po>cpy	
			63.95-65.56m; sheared zone; minor carb. veinlets assoc'd with strong chloritization; tr. sulphides	2041	64.00	65.00	1.00	sheared gab; chl. alt'n; tr. sulphides	
				2042	65.00	65.68	0.68	sheared gab; chl. alt'n; tr. sulphides	
			65.68-67.05m: fine to v.f.grd. gab as 24.20-25.89m; UC irregular; LC sharp @ 35 ° to CA; sulphides absent; wispy carbonate veinlets	2043	65.68	67.05	1.37	f.grd. gab; nil-tr. sulphides	
				2044	67.05	67.79	0.74	med.grd. gab; tr. sulphides	
			67.69-74.89m: approx. 60% v.coarse grd. (1-2cm) gabbro; abundant euhedral plag (porphyritic texture); contacts gradational; tr-1% sulphides (po>cpy)	2045	67.79	68.76	0.97	v.coarse gab; 1%>po>cpy	
				2046	68.76	69.76	1.00	coarse-v.coarse gab; 1%>po>cpy	
				2047	69.76	70.76	1.00	coarse-v.coarse gab; 1%>po>cpy	
				2048	70.76	71.76	1.00	v.coarse gab; 1%>po>cpy	
				2049	71.76	72.71	0.95	v.coarse gab; 1%>po>cpy	
				2050	72.71	73.71	1.00	coarse-v.coarse gab; 1%>po>cpy	
				2051	73.71	74.89	1.18	coarse-v.coarse gab; 1%>po>cpy	
			75.48-75.79m: 90% hornblende; 8% felsics; 2% po, tr. cpy+py ("hornblendite"); jagged contacts; grain size 2-10mm	2052	74.89	75.91	1.02	c.grd. gab. + hblite; 1%>po>cpy	
				2053	75.91	77.00	1.09	c.grd. gab. + hblite; 1%>po>cpy	
			77.00-78.72m: hornblendite; 5% po diss. and blebs; <=1% cpy	2054	77.00	77.36	0.36	5% po, <=1% cpy	
				2055	77.36	78.36	1.00	1%>po>cpy	
			78.37-78.72m: qtz vein; 10% of black "fibres" 1-3mm long; weak salmon-coloured staining; UC wavy @ 10° to CA, LC sharp @ 20° to CA	2056	78.36	79.66	1.30	1%>po>cpy	
			79.40-79.66m: f.grd. gab; contacts wavy @ 85° to CA; strong chl. alt'n						
				2057	79.66	80.66	1.00	1%>po>cpy	
			80.09-80.54m: f.grd. gab; strong chl. alt'n; irregular contacts	2058	80.66	81.66	1.00	1%>po>cpy	
				2059	81.66	82.66	1.00	1%>po>cpy	
			81.26-84.30m: weak but pervasive carb. alt'n in variably fine to c. grd. gabbro; calcite occurs diss. and as 1-5mm veinlets ± qtz	2060	82.66	83.66	1.00	1%>po>cpy	
				2061	83.66	84.66	1.00	1%>po>cpy	
				2062	84.66	85.66	1.00	1%>po>cpy	
				2063	85.66	86.66	1.00	1%>po>cpy	

DIAMOND DRILL LOG				Hole No. MR10-01				Page 5/8
Interval		Recovery	Description	Sample number	Interval		Sample Length	Sample Description
From	To	(%)			From	To		
				2064	86.66	87.20	0.54	1%>po>cpy
87.20	152.00		Gabbro (diorite?); dominantly porphyritic but otherwise similar to overlying gabbro; trace to 1% sulphides (py = po >cpy) and magnetite throughout; grain size generally 5-15mm and rarely to 30mm; moderate to locally strong chl. alt'n; variations in grain size and texture are gradational	2065	87.20	88.20	1.00	tr. sulphides
				2066	88.20	89.20	1.00	1%>po>cpy
				2067	89.20	90.20	1.00	1%>po>cpy
				2068	90.20	91.20	1.00	tr. sulphides
			91.60-92.83m: f.grd. gab; strong chl. alt'n; grad'l contacts; possibly a strongly altered hblite interval?; <1% sulphides	2069	91.20	92.20	1.00	tr. sulphides
				2070	92.20	93.20	1.00	1%>po>cpy
				2071	93.20	94.20	1.00	tr. sulphides
				2072	94.20	95.20	1.00	1%>po>cpy
				2073	95.20	96.20	1.00	1%>po>cpy
			96.20-96.30m: qtz vein @ 30° to CA; 20% green mafic flecks; epidote and salmon-coloured staining	2074	96.20	97.20	1.00	1%>po>cpy
			97.52-97.57m: qtz vein @ 90° to CA; 5% green mafic flecks	2075	97.20	98.20	1.00	1%>po>cpy
				2076	98.20	99.20	1.00	1%>po>cpy
				2077	99.20	100.20	1.00	1% po, <1% cpy
				2078	100.20	101.00	0.80	1% po, <1% cpy
			101.05-101.66m: hornblendite as previously described; 2-4% diss. and blebby po; <1% cpy; contacts irregular	2079	101.00	101.66	0.66	2-3% po, 1% cpy
				2080	101.66	102.66	1.00	1% po, <1% cpy
			103.00-103.43m: very strong chl. alt'n; core fragmented; possible strongly altered hblite?; contacts irregular; 1-2% po and <1% cpy blebs and fx-bound	2081	102.66	103.66	1.00	1% po, <1% cpy; strong chl. alt'n
				2082	103.66	104.66	1.00	1%>po>cpy
			104.79-105.02m: hornblendite; 1%>py>po>cpy	2083	104.66	105.18	0.52	1%>po>cpy
			105.23-107.96m: gabbro; v.f.grd. to aphanitic; 5cm band of v. strong chl-carb alt'n at UC (30° to CA); 3cm wide clean qtz vein at 106.22m @ 60 ° to CA; LC sharp @ 40° to CA; 1 cm wide chl-carb alt'n at LC; trace fx-bound sulphides	2084	105.18	106.18	1.00	tr. sulphides
				2085	106.18	107.18	1.00	tr. sulphides
				2086	107.18	107.96	0.78	tr. sulphides

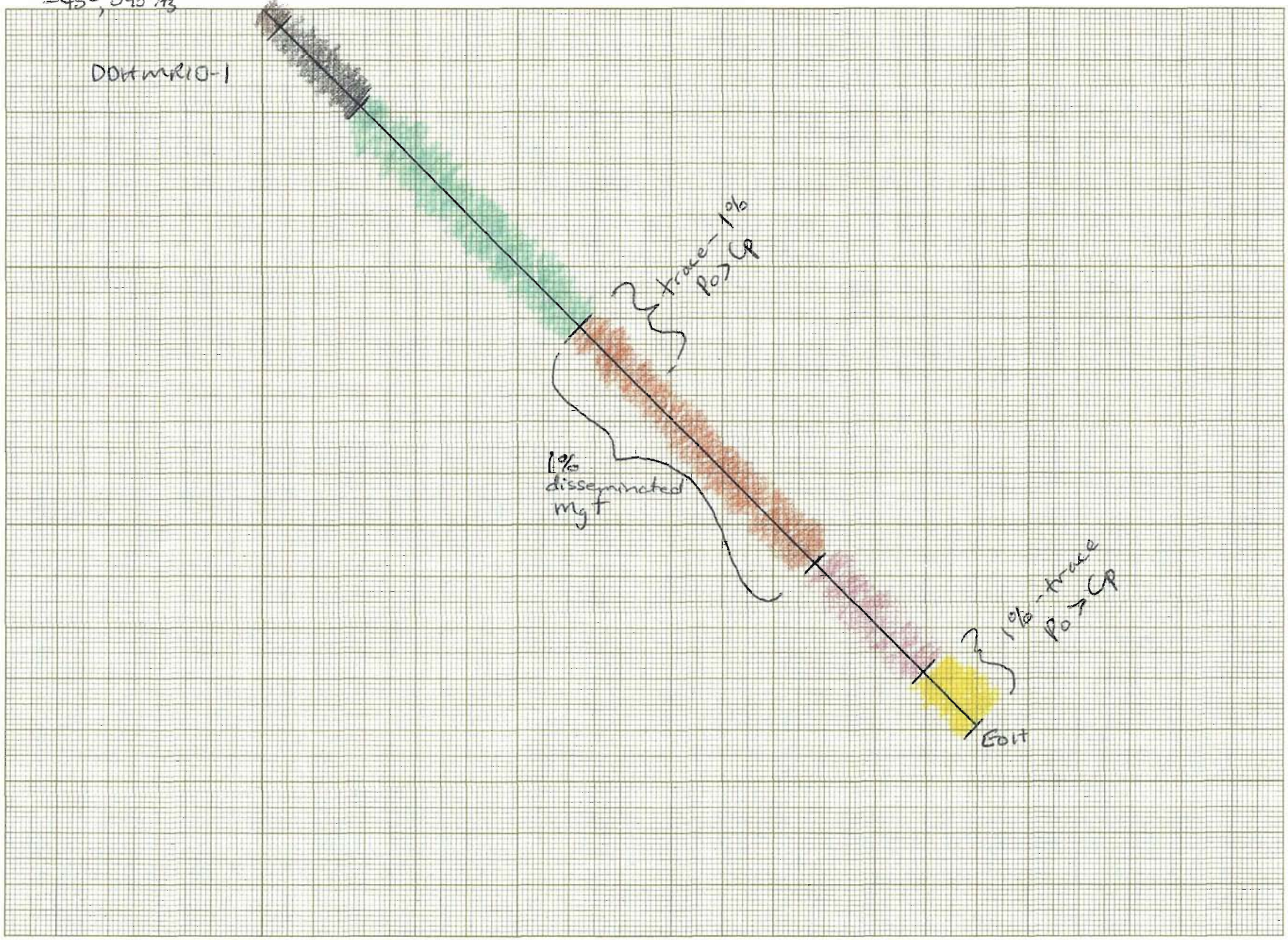
DIAMOND DRILL LOG					Hole No. MR10-01				Page 6/8
Interval		Recovery	Description	Sample	Interval		Sample	Sample Description	
From	To	(%)		number	From	To	Length		
			108.81-109.31m: hornblendite; 1% po, <1% cpy, py	2087	107.96	109.00	1.04	1%>po>cpy	
				2088	109.00	110.00	1.00	1%>po>cpy	
				2089	110.00	111.00	1.00	1%>po>cpy	
			111.96-113.04m: f.grd. gab; 3-5% of 1-4mm phenocrysts of plag; <1% po; contacts irregular	2090	111.00	112.00	1.00	1%>po>cpy	
				2091	112.00	113.00	1.00	1%>po>cpy	
				2092	113.00	114.00	1.00	1%>po>cpy	
				2093	114.00	115.00	1.00	tr. sulphides	
				2094	115.00	116.00	1.00	tr. sulphides	
				2095	116.00	117.00	1.00	1%>po>cpy	
				2096	117.00	118.00	1.00	1%>po>cpy	
				2097	118.00	119.00	1.00	1%>po>cpy	
				2098	119.00	120.00	1.00	1% po, <1% cpy	
			120.80-121.25m: healed fracture (fault?) set at 25° to CA; chl-qtz alt'n on fx planes	2099	120.00	121.00	1.00	1% po, <1% cpy	
				2100	121.00	122.00	1.00	1%>po>cpy	
			122.13-122.39m: 90% f.grd. gab; several 1-2mm po+cpy blebs	2101	122.00	123.00	1.00	1% po, <1% cpy	
			123.83-124.16m: hornblendite; 2% po, 1% cpy	2102	123.00	124.16	1.16	3% po, <1%cpy	
				2103	124.16	125.00	0.84	1% po, <1% cpy	
				2104	125.00	126.00	1.00	2% po, <1% cpy; strong silica enrichment	
			126.61-1142.50m: 30-35 vol% med. grd. felsic/intermediate intrusive rock (granodiorite?) intercalated on cm-dm scale with gabbro; contacts generally wavy and irregular from 0 to 90 ° to CA; cm-size clasts of gabbro occur in the intrusion; gabbro is distinctly silica-enriched on this interval and weakly porphyritic; nil-tr. sulphides except as noted	2105	126.00	127.00	1.00	1%>po>cpy	
				2106	127.00	128.00	1.00	1% po, <1% cpy	
				2107	128.00	129.00	1.00	1% po, <1% cpy	
			129.09-129.78m: strong chl. and weak carb. alt'n of gabbro; 2-3% py, 1% po, tr. cpy; UC with intrusive rough @ 30 ° to CA; LC gradational into normal gabbro	2108	129.00	130.00	1.00	1%>po>cpy	
				2109	130.00	132.00	2.00	1%>po>cpy	

DIAMOND DRILL LOG					Hole No. MR10-01				Page 7/8
Interval		Recovery	Description	Sample	Interval		Sample	Sample Description	
From	To	(%)		number	From	To	Length		
			131.62-132.27m: hornblendite; mod. to strong chl. alt'n; 1-2% ea. po + py, tr. cpy; UC with intrusive rough @ 35° to CA, LC with gabbro fairly sharp @ 50° to CA	2110	132.00	133.00	1.00	1% po, <1% cpy	
				2111	133.00	134.00	1.00	tr. sulphides	
				2112	134.00	135.00	1.00	nil-tr. sulphides	
				2113	135.00	136.00	1.00	nil-tr. sulphides	
				2114	136.00	137.00	1.00	nil-tr. sulphides	
				2115	137.00	138.00	1.00	tr. sulphides	
				2116	138.00	139.00	1.00	1%>po>cpy	
			139.57-141.03m: hornblendite; med. grd. (finer than normal hblite intervals); 1-2% ea. po+py, tr. cpy; UC with gabbro wavy @ 60 ° to CA; hbl fingers out at LC	2117	139.00	140.00	1.00	1%>po>cpy	
				2118	140.00	141.07	1.07	1-2%po, tr. cpy	
				2119	141.07	142.00	0.93	1%>po>cpy	
				2120	142.00	143.00	1.00	1%>po>cpy	
				2121	143.00	144.00	1.00	1%>po>cpy	
				2122	144.00	144.85	0.85	tr. sulphides	
			144.85-146.00m: intermediate/mafic dyke; <0.5mm grains; spekcled greenish grey colour; moderately magnetic; minor sub- to euhedral py (to 2mm) in lower 30cm; UC sharp @30 ° to CA (5mm chill margin), LC broken	2123	144.85	146.00	1.15	tr. sulphides	
				2124	146.00	147.00	1.00	1%>po>cpy	
				2125	147.00	148.00	1.00	1%>po>cpy	
				2126	148.00	149.00	1.00	tr. sulphides	
				2127	149.00	150.00	1.00	1%>po>cpy	
				2128	150.00	151.00	1.00	tr. sulphides	
				2129	151.00	152.00	1.00	1%>po>cpy	
152.00	182.00		Mafic/intermediate rock (diorite?); fine grained (max. 1mm); speckled dk. grey with faint green; moderately magnetic; remarkably homogeneous throughout except for upper and lower 5m which have grain size grading out to nearly aphanitic; UC and LC broken; trace diss. py throughout	2130	152.00	153.00	1.00	tr. py	
				2131	153.00	154.00	1.00	tr. py	
				2132	154.00	155.00	1.00	tr. py	
				2133	165.00	166.00	1.00	tr. py	
				2134	166.00	167.00	1.00	tr. py	
				2135	167.00	168.00	1.00	tr. py	

DIAMOND DRILL LOG				Hole No. MR10-01				Page 8/8
Interval		Recovery	Description	Sample number	Interval		Sample Length	Sample Description
From	To	(%)			From	To		
			163.87-164-32m: core broken in 1-7cm fragments; chl/serp on fractures (fault?)					
				2136	179.00	180.00	1.00	tr. py
			180.02-180.50m: core broken as 163.87-164.32m	2137	180.00	181.00	1.00	tr. py
			181.05-181.80m: core broken as 163.87-164.32m	2138	181.00	182.00	1.00	tr. py
182.00	197.00		Gabbro; med-coarse grd. as 25.89-87.20m; 5-10 vol% has porphyritic texture; tr-1% diss. sulphides	2139	182.00	183.00	1.00	tr. sulphides
				2140	183.00	184.00	1.00	1%>po>cpy
				2141	184.00	185.00	1.00	1%>po>cpy
				2142	185.00	186.00	1.00	1%>po>cpy
				2143	186.00	187.00	1.00	1%>po>cpy
				2144	187.00	188.00	1.00	1%>po>cpy
			188.36-188.44m: felsic/intermediate intrusive as 126.61-142.50m; contacts wavy @ 65° to CA	2145	188.00	189.00	1.00	1% po, <1% cpy
				2146	189.00	190.00	1.00	2% po, <1% cpy
				2147	190.00	191.00	1.00	1% po, <1% cpy
				2148	191.00	192.00	1.00	1%>po>cpy
				2149	192.00	193.00	1.00	1%>po>cpy
			193.30-197.00m: intercalated felsic/intermediate intrusive (as 126.61-142.50m) and gabbro; felsic rock comprises 20-25 vol%	2150	193.00	194.00	1.00	1%>po>cpy
				2151	194.00	195.00	1.00	1%>po>cpy
				2152	195.00	196.00	1.00	1%>po>cpy
				2153	196.00	197.00	1.00	1%>po>cpy
197.00			End Of Hole					

COLLAR:
DDH MR10-1 UTM(NAD83) E 441119, N5264499
-45°, 090° Az

1cm : 10 m



DIAMOND DRILL LOG

Hole No. MR10-02 | **Page 1 of 7**

Property: Mollie River, ON	**Date Collared:** 30 Nov 2010	**Azimuth:** 315	**Logged by:** G.F. Janson	**UTM:**	E
Grid Coordinates: 18+00N / 7+25W	**Date Completed:** 2 Dec 2010	**Length:** 200m	**Assays by:** Actlabs Timmins		N
Purposes: Test target B3	**Core Size:** NQ	**Dip:** -45	**Drilled by:** Salo	**Drill Rig:** Longyear 38	**Datum:**

Interval From	Interval To	Recovery (%)	Description	Sample number	Interval From	Interval To	Sample Length	Sample Description
0.00	3.00		Casing/Overburden					
3.00	25.10		Gabbro; fine to v.f. grd.; dk greenish grey; massive; mod. to strongly magnetic due to 5% diss. magnetite; equigranular; grain size decreases from <=1mm to sub-aphanitic gradationally in lower 5m of interval; v. weak chl. alt'n and moderate silica enrichment throughout; tr. diss. py throughout					
			11.41-11.54m: qtz+carb veinlets; <=2mm wide; 15-30° to CA					
				2155	12.01	13.00	0.99	5% mag., tr. py
				2156	13.00	14.00	1.00	5% mag., tr. py
				2157	14.00	15.00	1.00	5% mag., tr. py
				2158	22.00	23.00	1.00	5% mag., tr. py
				2159	23.00	24.00	1.00	5% mag., tr. py
			24.70-25.31m: core broken into mostly 1-3cm fragments; chl/serp and slickenlines on all fx surfaces; contact between over- and undelrying units estimated at 25.10m	2160	24.00	25.10	1.10	5% mag., tr. py
25.10	100.41		Gabbro; med. grd. (1-3mm); dark greenish grey; wkly to mod'ly magnetic due to magnetite which occurs disseminated and as exsolution crystals from pyrrhotite (which occurs disseminated and associated with a similar amount of pyrite and trace chalcopyrite); typically 40-60% felsics (plag +/- qtz) but locally as low as 10% in "hornblendite" intervals which generally have higher than average sulphides; weak-moderate silica enrichment throughout; massive; equigranular with gradational variations (cm-dm scale) from slightly coarser to slightly finer intervals; weak-mod chl. alt'n on grain boundaries - stronger below 62m	2161	25.10	26.00	0.90	1-2% po, tr. cpy
			26.31-29.16m: core broken in 1-4cm fragments; chl-carb-epi on fx	2162	26.00	27.00	1.00	1% po, tr. cpy

DIAMOND DRILL LOG					Hole No. MR10-02				Page 2 of 7
Interval		Recovery	Description	Sample	Interval		Sample	Sample Description	
From	To	(%)		number	From	To	Length		
				2163	27.00	28.00	1.00	1-2% po, tr. cpy	
			28.31-29.16m: 3-5% mag. in 1-3mm blebs	2164	28.00	29.00		3% mag, 2% po, tr. cpy	
			29.86-30.10m: core broken in 1-20mm fragments	2165	29.00	30.10	1.10	1% mag, 2% po, tr. cpy	
			30.38m: 2 cm wide granitic dyke @ 20° to CA	2166	30.10	31.00	0.90	1% po, tr. cpy	
			31.32m: 5 cm wide granitic dyke @ 70 ° to CA; 15 vol% of 2-10mm gabbro clasts included	2167	31.00	32.00	1.00	<1% po, tr. cpy	
				2168	32.00	33.00	1.00	1-2% po, tr. cpy	
				2169	33.00	34.00	1.00	1% po, tr. cpy	
				2170	34.00	35.00	1.00	<1% po, tr. cpy	
				2171	35.00	36.00	1.00	<1% po, tr. cpy	
				2172	36.00	37.00	1.00	<1% po, tr. cpy	
				2173	37.00	38.00	1.00	1% po, tr. cpy	
				2174	38.00	39.00	1.00	1% po, tr. cpy	
			39.28-39.54m: mafic dyke; dk. grey aphanitic grdmass with 10-15% of 1-2mm plag. phenocrysts; weakly magnetic; UC sharp @ 50 ° to CA, LC fairly sharp @ 30 ° to CA	2175	39.00	40.00	1.00	<1% po, tr. cpy	
				2176	40.00	41.00	1.00	<1% po, tr. cpy	
				2177	41.00	42.00	1.00	<1% po, tr. cpy	
				2178	42.00	43.00	1.00	<1% po, tr. cpy	
			43.15-48.00m: weakly developed foliation @ 30-50° to CA	2179	43.00	44.00	1.00	1% po, tr. cpy	
				2180	44.00	45.00	1.00	1% po, tr. cpy	
			45.54-47.33m: lower content of felsics (~20%); mod. chl. alt'n in grain boundaries; higher than average mag&po (1-2%); contacts gradational over 5-10cm	2181	45.00	46.00	1.00	1% po, tr. cpy	
				2 82	46.00	47.00	1.00	1-2% po, tr. cpy	
				2183	47.00	48.00	1.00	1% po, tr. cpy	
			48.91-49.00m: granitic dyke; 20 vol% gabbro clasts and stringers (filling fractures); contacts @ 70° to CA	2184	48.00	49.00	1.00	<1% po, tr. cpy	
			51.06-62.82m: mod-strong silica enrichment; 5-10 vol% of cm-dm scale granitic dykes (source of silica?) containing gabbro clasts	2185	49.00	50.00	1.00	<1% po, tr. cpy	
				2186	50.00	51.00	1.00	<1% po, tr. cpy	

DIAMOND DRILL LOG				Hole No. MR10-02				Page 3 of 7
Interval		Recovery	Description	Sample	Interval		Sample	Sample Description
From	To	(%)		number	From	To	Length	
				2187	51.00	52.20	1.20	<1% po, tr. cpy
			52.20-55.75m: mafic dyke as 39.28-39.54m; cut by same	2188	52.20	53.12	0.92	<1% po, tr. cpy
			granitic dykes as surrounding gabbro; 10% of 1-2mm plag	2189	53.12	54.20	1.08	<1% po, tr. cpy
			phenocrysts present on 54.63-55.75m; UC irregular, LC sharp	2190	54.20	55.75	1.55	<1% po, tr. cpy
			55.75-58.50m: wkly developed foliation @ 35-45° to CA	2191	55.75	57.00	1.25	<1% po, tr. cpy
				2192	57.00	58.00	1.00	<1% po, tr. cpy
			58.40-62.00m: slightly higher than average po	2193	58.00	59.00	1.00	1% po, tr. cpy
				2194	59.00	60.00	1.00	2-3% po, tr. cpy
				2195	60.00	61.00	1.00	2-3% po, tr. cpy
				2196	61.00	62.00	1.00	2-3% po, tr. cpy
				2197	62.00	63.00	1.00	1% po, tr. cpy
			63.18-63.37m: core broken in 1-5cm fragments; chl-serp-carb on fx	2198	63.00	64.00	1.00	1% po, tr. cpy
			64.28m: weak foliation @ 40° to CA	2199	64.00	65.00	1.00	<1% po, tr. cpy
				2200	65.00	66.00	1.00	1-2% po, tr. cpy
			66.05-66.39m: shear zone @ 45 ° to CA; strong chl alt'n; wispy qtz-	2201	66.00	67.00	1.00	<1% po, tr. cpy
			carb veinlets	2202	67.00	68.00	1.00	<1% po, tr. cpy
				2203	68.00	69.00	1.00	<1% po, tr. cpy
				2204	69.00	70.00	1.00	<1% po, tr. cpy
				2205	70.00	71.00	1.00	<1% po, tr. cpy
				2206	71.00	72.00	1.00	<1% po, tr. cpy
				2207	72.00	73.00	1.00	<1% po, tr. cpy
				2208	73.00	74.00	1.00	<1% po, tr. cpy
				2209	74.00	75.00	1.00	1% po, tr. cpy
				2210	75.00	76.00	1.00	1% po, tr. cpy
				2211	76.00	77.00	1.00	<1% po, tr. cpy
				2212	77.00	78.00	1.00	nil-tr. sulphides
				2213	78.00	79.00	1.00	nil-tr. sulphides
				2214	79.00	80.00	1.00	nil-tr. sulphides
			80.97-81.13m: qtz vein; strong salmon-coloured staining; 10 vol%	2215	80.00	81.00	1.00	nil-tr. sulphides
			gabbro clasts & fx fills; contacts sharp and parallel @ 50° to CA	2216	81.00	82.00	1.00	<1% po, tr. cpy

DIAMOND DRILL LOG				Hole No. MR10-02				Page 4 of 7
Interval		Recovery	Description	Sample	Interval		Sample	Sample Description
From	To	(%)		number	From	To	Length	
			82.55-88.42m: c.grd. gabbro (2-5mm0; 2-3%po; contacts gradational over 5cm	2217	82.00	83.00	1.00	2% po, tr. cpy
				2218	83.00	84.00	1.00	3-5% po, tr. cpy
				2219	84.00	85.00	1.00	3% po, tr. cpy
				2220	85.00	85.79	0.79	3% po, tr. cpy
			85.79-86.10m: mafic dyke; dk. grey aphanitic grdmass with 35 of 1-2mm plag phenocrysts (as 39.28-39.54m); UC broken, LC sharp @ 70 ° to CA	2221	85.79	86.56	0.77	nil-tr. sulphides
			86.10-86.56m: mixing of mafic dyke (above) and felsic/intermediate intrusive rock; mafic dyke appears to intrude the felsic; LC broken	2222	86.56	87.56	1.00	3% po, tr. cpy
				2223	87.56	88.56	1.00	<1% po, tr. cpy
				2224	88.56	89.56	1.00	<1% po, tr. cpy
			89.80-92.55m: higher than average sulphides; strong disseminated to weak net texture	2225	89.56	90.56	1.00	1% po, tr. cpy
				2226	90.56	91.56	1.00	3% po, tr. cpy
				2227	91.56	92.56	1.00	3% po, tr. cpy
			93.49-99.43m: c.grd. gabbro (2-5mm); locally sub-porphyritic; 1% po	2228	92.56	93.56	1.00	1% po, tr. cpy
				2229	93.56	94.56	1.00	1% po, tr. cpy
				2230	94.56	95.56	1.00	1% po, tr. cpy
				2231	95.56	96.56	1.00	1% po, tr. cpy
				2232	96.56	97.56	1.00	1% po, tr. cpy
				2233	97.56	98.56	1.00	1% po, tr. cpy
				2234	98.56	99.56	1.00	1% po, tr. cpy
				2235	99.56	100.56	1.00	<1% po, tr. cpy
100.41	128.35		Gabbro; med-coarse grained; bluish-grey colour; strongly silica enriched; approx. 5 vol% of cm-scale felsic-intermediate dykes; very weakly magnetic; in highly silica-enriched zones texture is almost pegmatitic with very coarse plagioclase; sulphides absent to trace	2236	100.56	101.56	1.00	<1% po, tr. cpy
				2237	101.56	102.56	1.00	tr. po ± cpy
				2238	102.56	103.56	1.00	nil-tr. sulphides
			104.18-104.33m: mafic dyke as 39.28-39.54m; UC sharp @ 60° to CA, LC sharp @ 45° to CA	2239	103.56	104.56	1.00	nil-tr. sulphides
				2240	104.56	105.64	1.08	tr. po ± cpy

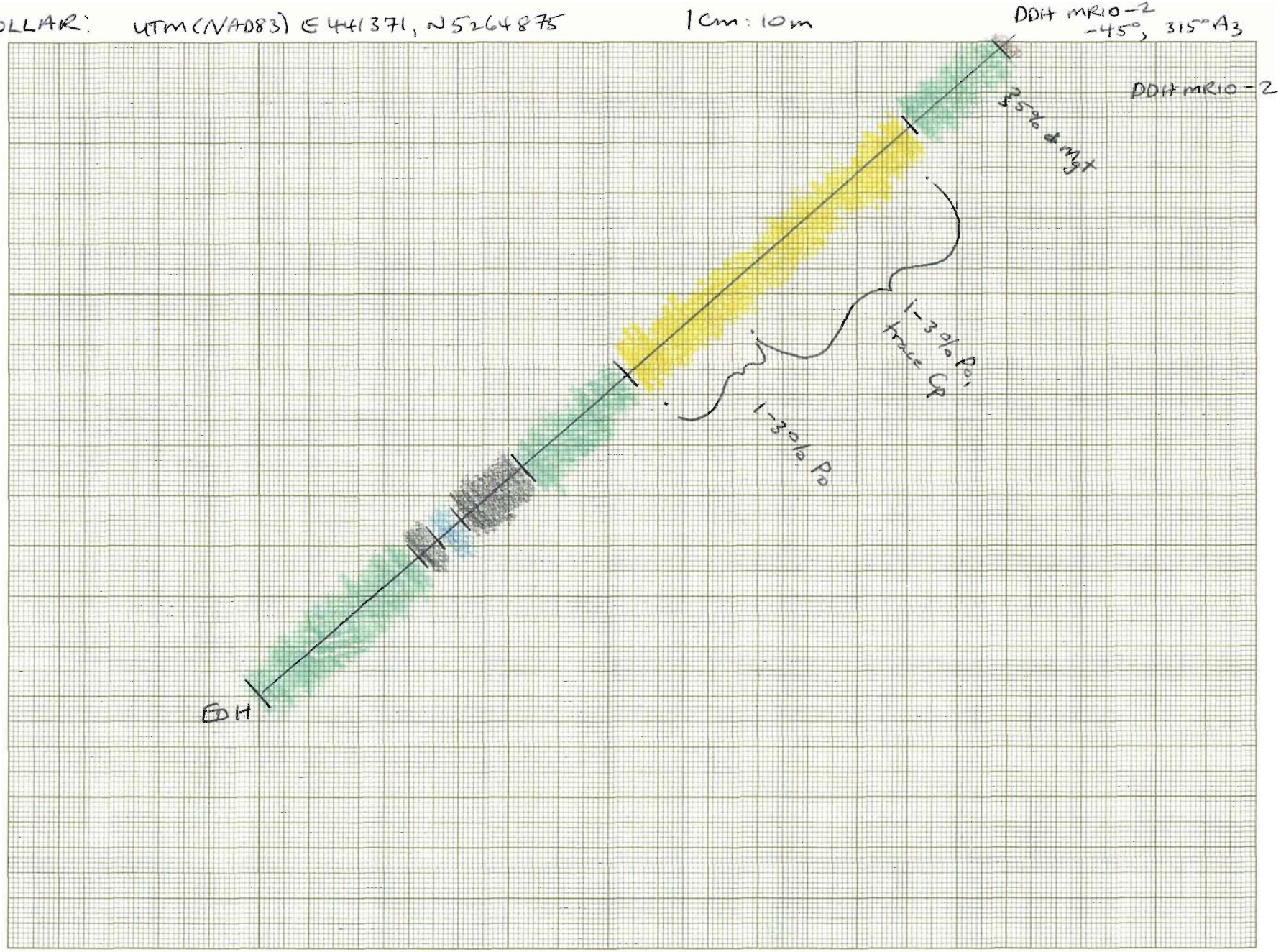
DIAMOND DRILL LOG				Hole No. MR10-02				Page 5 of 7
Interval		Recovery	Description	Sample	Interval		Sample	Sample Description
From	To	(%)		number	From	To	Length	
			105.64-108.82m: mafic dyke as 39.28-39.54m; UC broken; LC wavy @ 50° to CA	2241	105.64	106.64	1.00	mafic dyke; nil-tr. sulphides
				2242	106.64	107.64	1.00	mafic dyke; nil-tr. sulphides
				2243	107.64	108.79	1.15	mafic dyke; nil-tr. sulphides
				2244	108.79	109.13	0.34	nil-tr. sulphides
			109.15-110.21m: "normal" med. grd. gabbro (not silica enriched); contacts wavy bu distinct; tr. sulphides	2245	109.13	110.21	1.08	tr. po ± cpy
				2246	110.21	111.21	1.00	tr. po ± cpy
				2247	111.21	112.21	1.00	tr. po ± cpy
			112.57-112.91m: shear zone; v.f.grd.; mod-strong chl. alt'n; qtz-carb stringers aligned @ 40-70° to CA; UC sharp @ 70° to CA, LC gradational into highly silica enriched gabbro					
			117.27-117.52m: f. grd. gabbro as 3.00-25.10m; UC sharp @ 40° to CA, LC sharp @ 60° to CA					
			120.62-121.91m: mafic dyke; v.f.grd.; med. grey with patchy green-grey chl. alt'n esp.along healed fx; similar to sub-aphanitic gabbro in lower part of 3.00-25.10m; tr. diss. py; UC jagged, LC fairly sharp @					
			122.59-128.35m: pervasive carb alt'n; diss. and wispy stringers; increasing from traces to very strong with depth; stringers commonly oriented at 30-50° to CA					
128.35	143.78		Gabbro; fine grained; as 3.00-25.10m but containing 3-5% of 1-2mm plag phenocrysts typical of mafic dykes at 39.28-39.54m and others; those dykes may be rapidly chilled aphanitic expressions of this gabbro but are darker grey and lack greenish colour. Trace py present; mostly fx-bound; UC at ~15 to CA but somewhat indistinct due to strong alt'n above and below contact; LC broken					

DIAMOND DRILL LOG				Hole No. MR10-02				Page 6 of 7
Interval		Recovery	Description	Sample number	Interval		Sample Length	Sample Description
From	To	(%)			From	To		
			128.35-131.14m: strongly altered (sheared?) zone; chaotic fractures; abundant 1-5mm qtz-carb stringers; pervasive strong chl-carb alt'n; sulphides absent except a few py grains and a 1cm wide py-bearing qtz vein at 128.96m (orientation 20° to CA)					
143.78	149.60		Granodiorite?; dark bluish grey; grain size 2-5mm; qtz-carb stringers throughout; blocky and heavily fractured (fragments 1-10 cm) from UC to 147.84m; below this is increasingly intense chl. alt'n with foliation at 40-50 ° to CA almost grading into schistose alteration of underlying gabbro; UC and LC broken					
149.60	155.55		Gabbro; fine grained as 3.00-25.10m; upper 2m of interval strongly schistose due to chl. alt'n; intensity of alt'n decreases with depth; abundant qtz-carb stringers particularly in schistose zone; fabric @ 40-50° to CA; LC gradational over ~20cm					
155.55	200.00		Gabbro; med. grained and silica enriched as 100.41-128.35m; intercalated on dm- to m-scale with 25 vol% of granitic intrusive rock: med grained; 20-40% mafic minerals (locally biotite rich); granite/gabbro contacts irregular and wavy; sulphides absent in granite and absent to trace in gabbro					
			168.38-171.11m: mafic dyke as 39.28-39.54m					
			171.33-171.48m: mafic dyke as 39.28-39.54m					
			171.66-171.87m: mafic dyke as 39.28-39.54m					
			172.26-172.43m: mafic dyke as 39.28-39.54m; 2cm granite clast @ 172.31m					
			190.91-191.69m: mafic dyke; medium grey; biotite phyric in middle 35cm; UC broken; LC sharp @ 40 ° to CA; pervasive carb alt'n +					

DIAMOND DRILL LOG				Hole No. MR10-02				Page 7 of 7
Interval		Recovery (%)	Description	Sample number	Interval		Sample Length	Sample Description
From	To				From	To		
			191.69-195.38m: gabbro; f.grd. as 3.00-25.10m; UC sharp @ 40° to CA; LC sharp @ 85° to CA					
200.00			End Of Hole					

COLLAR: UTM (NAD83) E 441371, N 5264875

1 Cm : 10 m



DIAMOND DRILL LOG

Hole No. MR10-03 | **Page 1 of 3**

Property: Mollie River, ON	**Date Collared:** 3 Dec 2010	**Azimuth:** 090	**Logged by:** G.F. Janson	**UTM:** E
Grid Coordinates: 12+00N / 13+00W	**Date Completed:** 6 Dec 2010	**Length:** 200m	**Assays by:** Actlabs Timmins	N
Purposes: Test target B10	**Core Size:** NQ	**Dip:** -45	**Drilled by:** Salo	**Drill Rig:** Longyear 38	**Datum:**

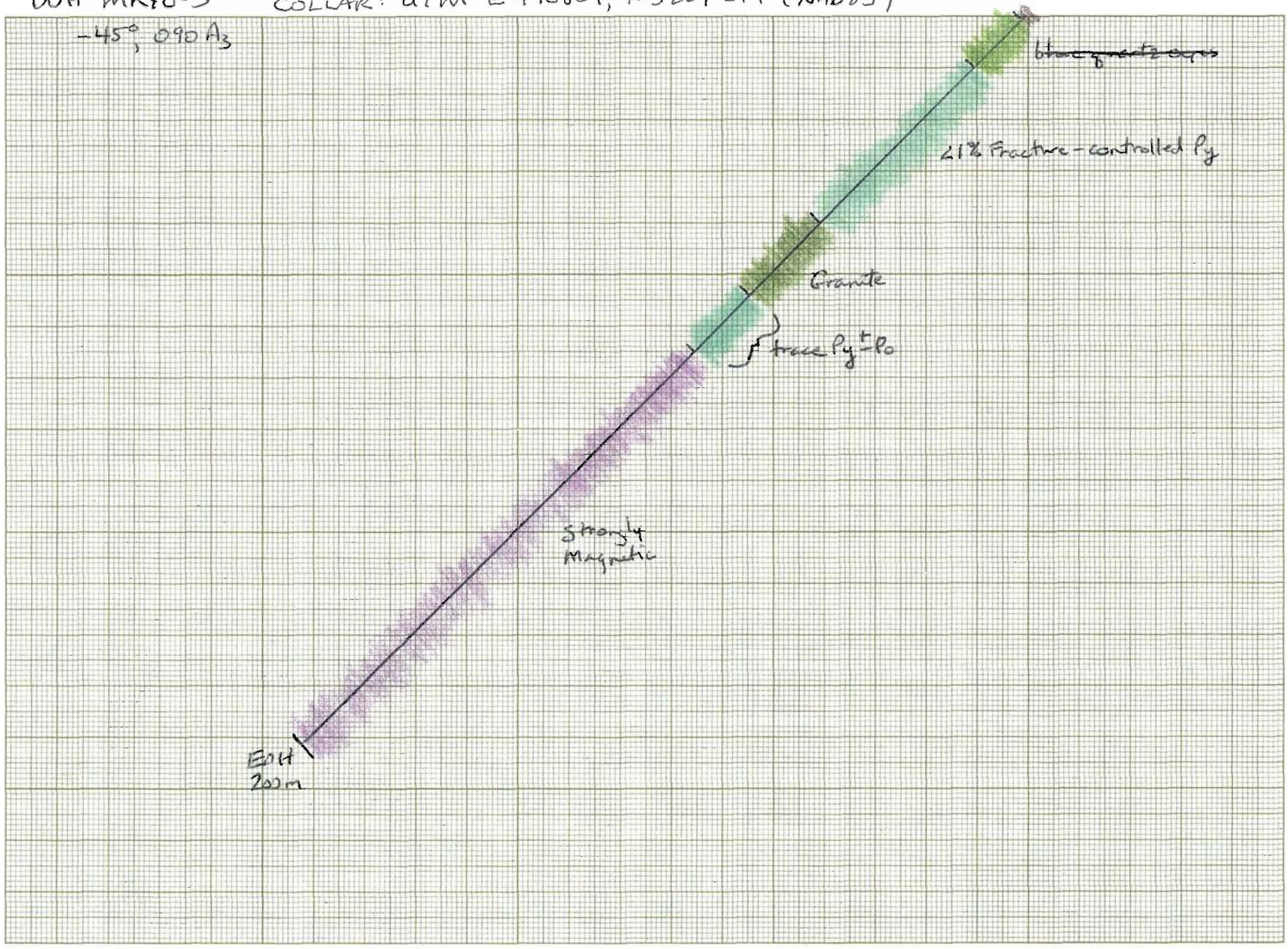
Interval From	Interval To	Recovery (%)	Description	Sample number	Interval From	Interval To	Sample Length	Sample Description
0.00	2.00		Casing/Overburden					
2.00	15.63		Granite; med. grained; light to med. grey with patchy pale salmon coloured staining; fresh (unaltered); massive; 10-15% biotite; lower 2m have increasing mafic content (biotite ± hornblende)					
			2.25-2.90m: gabbo; f. grd.; olive green colour with 10% of wisps and clots of surrounding granite; moderate chl. alt'n; <1% diss. py; pervasive carb alteration; v. weakly magnetic; UC rough @ ~30° to CA; LC broken					
			8.45-8.89m: gabbro as 2.25-2.90m; py absent					
			9.42-9.92m: mafic dyke; black; aphanitic; strongly magnetic;					
			13.91-14.09m: gabbro as 2.25-2.90m; contacts wavy at ~75° to CA					
15.63	56.53		Gabbro; med. grd.; med. bluish grey; highly silica enriched (to locally granodioritic); generally massive but locally weakly foliated as noted; intercalated on dm-m scale with 35 vol % of fine grained olive green gabbro as described in 2.25-2.90m; fined grained intervals contain minor cm-scale blebs of silica-enriched gabbro and vice versa; sulphides are rare and are generally limited to fracture bound py in in the fine grained gabbro except as noted; f. grd. gabbro is pervasively and strongly chl+carb altered and contains abundant wispy qtz>carb veinlets typically at 25-45 deg to CA; contacts between med. and f.grd. gabbro vary from sharp to					
			27.65m: foliation @ 55° to CA	2248	28.00	29.00	1.00	nil-tr. sulphides
				2249	29.00	30.00	1.00	nil-tr. sulphides

DIAMOND DRILL LOG				Hole No. MR10-03				Page 2 of 3
Interval		Recovery	Description	Sample number	Interval		Sample Length	Sample Description
From	To	(%)			From	To		
			29.21-30.09m: biotite granite as 2.00-25.63m; contains blobs and stringers of f.grd. gabbro that surrounds this interval; UC sharp @ 60° to CA; LC rough (minor mixing) @ ~40° to CA	2250	30.00	31.00	1.00	tr. py
				2251	31.00	32.00	1.00	nil-tr. sulphides
				2252	32.00	33.00	1.00	nil-tr. sulphides
				2253	33.00	34.00	1.00	nil-tr. sulphides
			34.75-34.85m: clean white "bull" qtz vein; contacts irregular; several 3-5mm cpy blebs at UC with v.f.grd. gabbro; minor carb alt'n of gabbro for 1-2cm around vein	2254	34.00	35.00	1.00	1%>cpy>po
				2255	35.00	36.00	1.00	nil-tr. sulphides
			36.10-36.46m: qtz vein as 34.75-34.85m; sulphides absent	2256	36.00	37.00	1.00	nil-tr. sulphides
				2257	37.00	38.00	1.00	nil-tr. sulphides
			36.46-36.61m: v. strong chl. alt'n of f.grd. gabbro; foliation @ 40 ° to CA; white mica developed in upper 1cm at contact with qtz vein	2258	38.00	39.00	1.00	nil-tr. sulphides
			39.65m: foliation in med. grd. gabbro @ 50° to CA					
			39.76-43.32m: f.grd. gabbro contains <1% 1-3mm sub- to euhedral	2259	39.00	40.00	1.00	tr. py
				2260	40.00	41.00	1.00	<1% py
				2261	41.00	42.00	1.00	tr. py
				2262	42.00	43.00	1.00	tr. py
				2263	43.00	44.00	1.00	tr. py
			44.05m, 44.26m, 44.29m, 46.06m, 46.43m, 46.94m, 47.03m, 47.06m, 48.88m, 49.06m, 53.84m, 55.99m: clean white qtz veins 1-2 cm wide in med. grd. gabbro; orientation 55-75° to CA; a few contain 1-3mm blebs of cpy>po; at 48.88m the f.grd. gabbro cuts					
			44.90-49.70m: trace cpy + po, typically fx bound but also v. rare disseminated grains	2264	44.00	45.10	1.10	1%>cpy>po
				2265	45.10	46.10	1.00	1%>po>cpy
				2266	46.10	47.16	1.06	1%>cpy>po
			44.96-45.04m: clean white qtz vein @ ~45 ° to CA; several 2-10mm blebs of cpy>po throughout and at LC	2267	47.16	48.18	1.02	<1% py, tr. cpy±po
				2268	48.18	49.18	1.00	1%>cpy>po
				2269	49.18	50.18	1.00	tr. cpy+po
				2270	50.18	51.18	1.00	nil-tr. sulphides

DIAMOND DRILL LOG					Hole No. MR10-03				Page 3 of 3
Interval		Recovery	Description	Sample	Interval		Sample	Sample Description	
From	To	(%)		number	From	To	Length		
				2271	51.18	52.18	1.00	nil-tr. sulphides	
				2272	52.18	53.18	1.00	nil-tr. sulphides	
				2273	53.18	54.18	1.00	nil-tr. sulphides	
				2274	54.18	55.18	1.00	nil-tr. sulphides	
				2275	55.18	56.18	1.00	nil-tr. sulphides	
				2276	56.18	57.18	1.00	nil-tr. sulphides	
56.53	76.65		Granite; med. grd., mafic content variable from 5-40% (mafics altered to chlorite); locally intense blue colour of quartz - intensity correlated with intervals of higher mafic content; qtz aand fspar grains coarser (2-5mm) than mafic grains (1-2mm)						
			57.64-59.31m: v.f.grd. gabbro; minor py>cpy at UC; UC irregular; LC sharp @ 50° to CA	2277	57.18	58.18	1.00	1%>py.cpy	
				2278	58.18	59.31	1.13	tr. py	
				2279	59.31	60.31	1.00	nil-tr. sulphides	
				2280	60.31	61.31	1.00	nil-tr. sulphides	
			65.12-65.43m: clean white qtz vein @ 45° to CA; sulphides absent						
76.65	92.41		Intercalated siliceous med. grd. gabbro and f. grd. gabbro as 15.63-56.63m; 25% f. grd. gabbro	2281	79.00	80.00	1.00	nil-tr. sulphides, strong chl. alt'n of gabbro	
				2282	80.00	81.00	1.00	nil-tr. sulphides	
				2283	81.00	82.00	1.00	tr. py±po	
			77.38-77.60m: mafic dyke; black; heavily fractured; moderately magetic; aphanitic; UC fairly sharp @ 30° to CA; LC fairly sharp @ 20° to CA	2284	82.00	83.00	1.00	nil-tr. sulphides	
				2285	83.00	84.00	1.00	tr. py±po	
				2286	84.00	85.00	1.00	tr. py±po	
				2287	85.00	86.00	1.00	tr. py±po	
				2288	86.00	87.00	1.00	tr. py±po	
				2289	87.00	88.00	1.00	tr. py±po	
92.41	200.00		Diabase dyke; brownish grey; massive; strongly magnetic; grain size increases steadily from aphanitic at UC to 1-2mm at ~99m; 5-8% magnetite; 3-5% biotite; generally equigranular with rare sub-porphyritic texture locally; another diabase dyke intrudes at 104.62 with a similar chill margin; contacts sharp @ 30 to CA						
200.00			End Of Hole						

DDH MR10-3 COLLAR: UTM E440809, N5264249 (NAD83)

-45°, 090 A_3



DIAMOND DRILL LOG

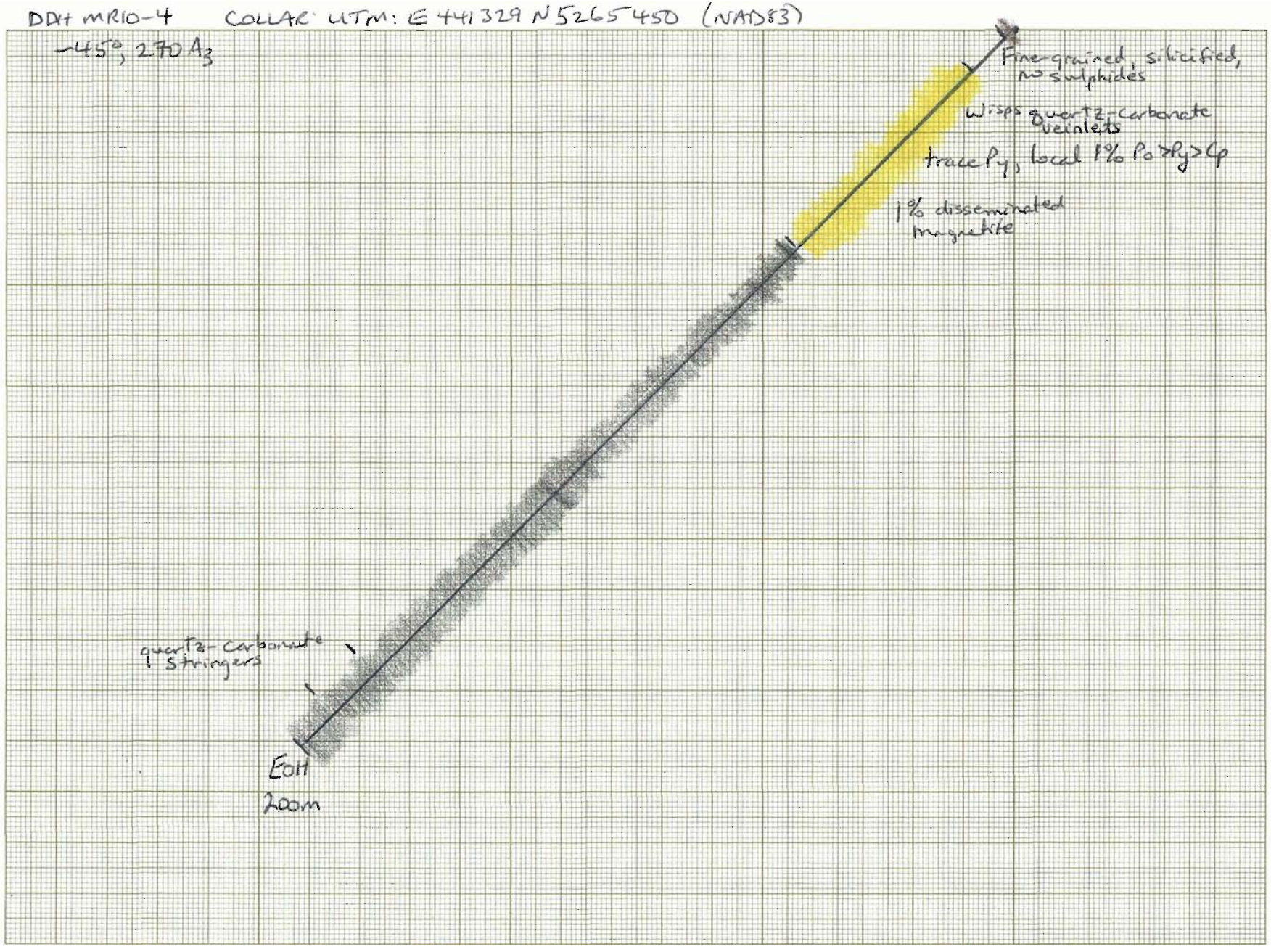
Hole No. MR10-04 | **Page 1 of 3**

Property: Mollie River, ON	**Date Collared:** 6 Dec 2010	**Azimuth:** 270	**Logged by:** G.F. Janson	**UTM:**	E
Grid Coordinates: 24+00N / 7+25W	**Date Completed:** 9 Dec 2010	**Length:** 200m	**Assays by:** Actlabs Timmins		N
Purposes: Test Target B2	**Core Size:** NQ	**Dip:** -45	**Drilled by:** Salo	**Drill Rig:** Longyear 38	**Datum:**

Interval From	Interval To	Recovery (%)	Description	Sample number	Interval From	Interval To	Sample Length	Sample Description
0.00	3.00		Casing/Overburden					
3.00	12.45		Extremely fine grained cherty rock; nearly 100% silica (?); hardness like quartz; medium grey with patchy cream and dark green colour; fracture-controlled hematite staining in lower half of interval; abundant 1mm quartz stringers; heavily fractured throughout					
			3.00-5.00m: recovery 0.55m	2292	3.00	4.95	1.95	nil-tr. sulphides; actual sample length 0.50m
			4.97-6.91m: gabbro; f. grd.; greenish grey; weakly magnetic; approx. 10% of 2-20mm subangular clasts of med-coarse grd. gabbro; 25% of cm-scale blobs of cherty rock as 3.00-12.45m - this appears to intrude the gabbro but the age relationship is not definite; contacts irregular; gabbro more competent than surrounding rock; weak-mod. chl. alt'n minor fx bound py+/-cpy	2293	4.95	5.95	1.00	<1%py, tr. cpy
				2294	5.95	6.95	1.00	<1%py, tr. cpy
				2295	6.95	8.00	1.05	nil-tr. sulphides; actual sample length 0.65m
				2296	8.00	9.00	1.00	nil-tr. sulphides
				2297	9.00	10.00	1.00	nil-tr. sulphides
				2298	10.00	11.00	1.00	nil-tr. sulphides
				2299	11.00	12.00	1.00	nil-tr. sulphides
				2300	12.00	12.40	0.40	tr. py
12.45	62.04		Gabbro; generally coarse grained (3-10mm) with sub-ophitic texture; minor porphyritic texture locally; rarely weakly foliated at 30-50 ° to CA; moderate chl alt'n of hornblende throughout; 1% diss. mag (grain size typically <1mm but up to 3mm); tr. diss. py+/-po+/-cpy; locally exsolution of po from mag					
				2301	12.40	13.70	1.30	tr. py
			14.12-16.26m: v.f.grd. gabbro; dk. greenish grey; weakly m agnetic; contacts sharp @ 65 ° to CA; weak chl alt'n; abundant wispy qtz-carb veinlets; chl alt'n stronger around veinlets	2302	13.70	15.00	1.30	tr. py
				2303	15.00	16.00	1.00	tr. py
				2304	16.00	17.00	1.00	tr. py
				2305	17.00	18.00	1.00	tr. py
			18.31-19.47m: v.f.grd. gabbro as 14.12-16.26m; UC sharp @15 ° to CA; LC irregular	2306	18.00	19.00	1.00	tr. py
				2307	19.00	20.00	1.00	tr. py>po>cpy
				2308	20.00	21.00	1.00	1%>po>py>cpy

DIAMOND DRILL LOG				Hole No. MR10-04				Page 2 of 3
Interval		Recovery	Description	Sample number	Interval		Sample Length	Sample Description
From	To	(%)			From	To		
				2309	21.00	22.00	1.00	1%>po>py>cpy
			22.19-23.29m: v.f.grd. gabbro as 14.12-16.26m; heavily fractured in 3-8cm fragments; contacts broken	2310	22.00	23.00	1.00	tr. py
				2311	23.00	24.00	1.00	tr. py
				2312	24.00	25.00	1.00	tr. py
				2313	25.00	26.00	1.00	tr. py
				2314	26.00	27.00	1.00	tr. py
				2315	27.00	28.00	1.00	tr. py
				2316	28.00	29.00	1.00	tr. py
				2317	29.00	30.00	1.00	tr. py
				2318	30.00	31.00	1.00	tr. py
				2319	31.00	32.00	1.00	tr. py
				2320	32.00	33.00	1.00	tr. py+po+cpy; weakly porphyritic texture
				2321	33.00	34.00	1.00	tr. py
				2322	34.00	35.00	1.00	tr. py>po
				2323	35.00	36.00	1.00	tr. po>py
				2324	36.00	37.00	1.00	tr. py
				2325	37.00	38.00	1.00	tr. py
				2326	38.00	39.00	1.00	tr. py
			39.17-39.51m: granitic dyke; dk. green staining on fractures; weak pink staining; contacts fairly sharp @ 55° to CA	2327	39.00	40.00	1.00	tr. po>py
				2328	40.00	41.00	1.00	tr. po>py
				2329	41.00	42.00	1.00	tr. po>py
				2330	42.00	43.00	1.00	tr. py
			43.31-43.49m: blobby qtz veins and gabbro clasts oriented @ 40-55° to CA	2331	43.00	44.00	1.00	tr. po>py
				2332	44.00	45.00	1.00	tr. po>py
				2333	45.00	46.00	1.00	tr. po>py
			46.17-46.27m, 46.50-46.74m: granitic dykes as 39.17-39.51m; contacts @ 40-60° to CA	2334	46.00	47.00	1.00	1% po, tr. py+cpy
				2335	47.00	48.00	1.00	tr. py+po
				2336	48.00	49.00	1.00	tr. py+po
				2337	49.00	50.00	1.00	tr. py+po
				2338	50.00	51.00	1.00	1% po, tr. py+cpy
			52.00-54.71m: gabbro dyke; f.grd; weakly biotite phyric; v. weakly magnetic; weak but pervasive chl-carb alt'n; sulphides absent; chill margins 5cm wide; UC sharp @ 45° to CA; LC sharp @ 70° to CA	2339	51.00	52.00	1.00	2% po, tr. py+cpy
				2340	52.00	53.00	1.00	nil-tr. sulphides
				2341	53.00	54.00	1.00	nil-tr. sulphides

DIAMOND DRILL LOG				Hole No. MR10-04				Page 3 of 3
Interval		Recovery	Description	Sample number	Interval		Sample Length	Sample Description
From	To	(%)			From	To		
			54.89-55.18m: gab. dyke as 52.00-54.71m; contacts sharp @ 50° to	2342	54.00	55.00	1.00	nil-tr. sulphides
				2343	55.00	56.00	1.00	tr. py+po
				2344	56.00	57.00	1.00	tr. py+po
				2345	57.00	58.00	1.00	tr. py+po
				2346	58.00	59.00	1.00	tr. py
				2347	59.00	60.00	1.00	tr. py
				2348	60.00	61.00	1.00	tr. py
				2349	61.00	62.00	1.00	tr. py
62.04	200.00		Gabbro; fine grained; greyish green colour; massive; weakly	2350	62.00	63.00	1.00	nil-tr. sulphides
			magnetic; weak chl alt'n of mafics; grain size increases from	2351	63.00	64.00	1.00	nil-tr. sulphides
			aphanitic to =<1mm over the upper 8m of the interval (chill margin);	2352	64.00	65.00	1.00	nil-tr. sulphides
			UC broken; magnetite finely disseminated and locally to 2-3%; tr. py					
			locally; very rare po; abundant qtz-carb stringers on 182-193m	2353	123.00	124.00	1.00	nil-tr. sulphides
				2354	124.00	125.00	1.00	nil-tr. sulphides
				2355	185.00	186.00	1.00	tr. py+po
				2356	186.00	187.00	1.00	1%>po>py
				2357	187.00	188.00	1.00	tr. py+po
200.00			End Of Hole					



DIAMOND DRILL LOG

Hole No. MR10-05				**Page** 1 of 5
Property: Mollie River, ON	**Date Collared:** 10 Dec 2010	**Azimuth:** 270	**Logged by:** G.F. Janson	**UTM:** E
Grid Coordinates: 12+00N / 10+40W	**Date Completed:** 13 Dec 2010	**Length:** 200m	**Assays by:** Actlabs Timmins	N
Purposes: Test IP target B7	**Core Size:** NQ	**Dip:** -45	**Drilled by:** Salo	**Drill Rig:** Longyear 38 **Datum:**

Interval		Recovery	Description	Sample	Interval		Sample	Sample Description
From	To	(%)		number	From	To	Length	
0.00	4.50		Casing/Overburden					
4.50	15.00		(Grano)diorite; pale to dark grey; medium grained	2357	14.00	15.00	1.00	nil-tr. sulphides
15.00	70.91		Gabbro; fine- to medium grained with locally abundant porphyritic plagioclase (up to 5mm); greyish green colour	2358	15.00	16.00	1.00	tr. py±po
				2359	16.00	17.00	1.00	tr. py±po
			17.19-20.36m: intense chl. alt'n; well developed foliation at 20-30 ° to CA; moderate to strong qtz-cc±bt stringers containing py>po>cpy	2360	17.00	18.00	1.00	tr. py±po
				2361	18.00	19.00	1.00	1%>py>po>cpy
				2362	19.00	20.00	1.00	tr. py
			20.60-37.48m: gabbro is intruded by 15 vol % of cm-dm scale granitic dykes; these are associated with minor brecciation and general silica enrichment of the gabbro; porphyritic plag is common and generally 2-4mm in size; minor intervals of coarse grained (5-20mm) gabbro contain disseminated py>po>cpy; sulphides are absent to trace on the rest of the interval	2363	20.00	21.00	1.00	tr. py
				2364	21.00	22.00	1.00	1% po, tr. py
				2365	22.00	23.00	1.00	tr. py
				2366	23.00	24.00	1.00	tr. py
				2367	24.00	25.00	1.00	tr. py
				2368	25.00	26.00	1.00	tr. py
				2369	26.00	27.00	1.00	tr. py
				2370	27.00	28.00	1.00	tr. py
				2371	28.00	29.00	1.00	1%>py>po
				2372	29.00	30.00	1.00	tr. py
				2373	30.00	31.00	1.00	tr. py
				2374	31.00	32.00	1.00	1%>py>po
				2375	32.00	33.00	1.00	tr. py+po
				2376	33.00	34.00	1.00	tr. py
				2377	34.00	35.00	1.00	tr. py+po
				2378	35.00	36.00	1.00	tr. py+po
				2379	36.00	37.00	1.00	tr. py+po
				2380	37.00	38.00	1.00	tr. py+po
				2381	38.00	39.00	1.00	tr. py+po
				2382	39.00	40.00	1.00	tr. py
				2383	40.00	41.00	1.00	tr. py
				2384	41.00	42.00	1.00	tr. py

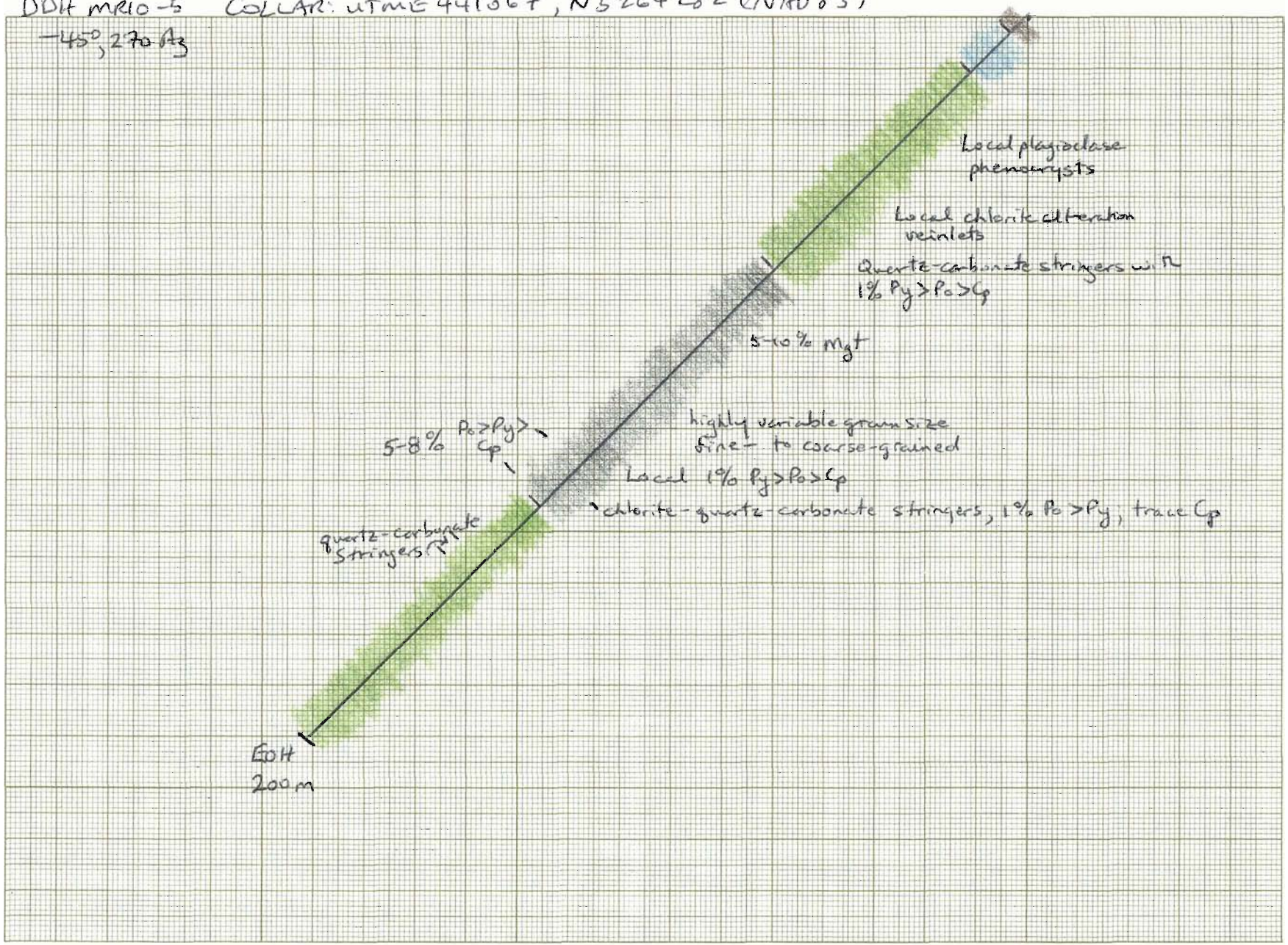
DIAMOND DRILL LOG				Hole No. MR10-05				Page 2 of 5
Interval		Recovery	Description	Sample number	Interval		Sample Length	Sample Description
From	To	(%)			From	To		
				2385	42.00	43.00	1.00	tr. py+po
				2386	43.00	44.00	1.00	tr. py
			55.16-55.88m: granitic dyke containing 5-10% of 1cm gabbro clasts; contacts wavy at ~15° to CA					
			58.60-59.05m: granitic dyke as 55.16-55.88m					
				2387	60.00	61.00	1.00	tr. py
				2388	61.00	62.00	1.00	tr. py
			62.00-63.96m: strong chl alt'n with patchy strong carb and patchy strong bt alt'n; po assoc'd with bt	2389	62.00	63.00	1.00	tr. py+po±cpy
				2390	63.00	64.00	1.00	tr. py+po±cpy
				2391	64.00	65.00	1.00	tr. py
			64.66-67.57m: mafic dyke; strongly biotite phyric (sub-schistose); pervasive carb alt'n; well developed foliation at 40-45 ° to CA; contacts wavy and sub-parallel to foliation; qtz-carb veins in the gabbro for 5cm around the dyke	2392	65.00	66.00	1.00	biotite dyke; nil-tr. sulphides
				2393	66.00	67.00	1.00	biotite dyke; nil-tr. sulphides
				2394	67.00	68.00	1.00	biotite dyke; nil-tr. sulphides
				2395	68.00	69.00	1.00	tr. py
				2396	69.00	70.00	1.00	tr. py
				2397	70.00	70.89	0.89	tr. py
70.91	135.63		Gabbro; highly variable grain size (fine to very coarse) and texture (massive and equigranular to porphyritic to intensely chl. altered and sheared) on cm to dm scales; these variations are typically fairly sharp; 5-10 vol% of cm-scale granitic intrusions occur on this interval and appear to be responsible for the silica enrichment found in the surrounding gabbro; the most notable feature is the presence of dm-m scale intervals of med-coarse grained dark green hornblendite that commonly hosts strong disseminated, stringer, and rare cm-scale clots of sulphides; hornblendite intervals					
			70.89-73.00m: hornblendite; 1%>py>po>cpy	2398	70.89	72.00	1.11	1%>py>po>cpy
				2399	72.00	73.00	1.00	1%>py>po>cpy
				2400	73.00	74.00	1.00	tr. py
				2401	74.00	74.60	0.60	tr. py

DIAMOND DRILL LOG					Hole No. MR10-05				Page 3 of 5
Interval		Recovery	Description	Sample	Interval		Sample	Sample Description	
From	To	(%)		number	From	To	Length		
			74.60-80.16m: hornblendite; 1-2% po, 1-2% py, <1% cpy; sulphides generally occur as 1-10mm blebs; patches of strong diss. mag also present	2402	74.60	75.60	1.00	1%>py>po>cpy	
				2403	75.60	76.60	1.00	2% po, 1% py, <1% cpy	
				2404	76.60	77.60	1.00	1%>py>po>cpy	
				2405	77.60	78.60	1.00	1%>py>po>cpy	
				2406	78.60	79.60	1.00	1%>py>po>cpy	
				2407	79.60	80.19	0.59	1%>py>po>cpy	
				2408	80.19	81.00	0.81	tr. py+po+cpy	
				2409	81.00	82.00	1.00	tr. py+po+cpy	
				2410	82.00	83.00	1.00	tr. py	
			83.87-84.50m: c.grd. gabbro with 5-10% c.grd. magnetite	2411	83.00	84.00	1.00	tr. py	
				2412	84.00	85.00	1.00	tr. py	
				2413	85.00	85.68	0.68	tr. py+po	
			85.70-86.26m: hornblendite; 3-5% ea. net textured po+mag; <1%	2414	85.68	86.30	0.62	3-5% po, mag; <1%py, cpy	
				2415	86.30	87.00	0.70	tr. py+po+cpy	
			87.05-88.59m: hornblendite; 1%>po>py>cpy	2416	87.00	88.00	1.00	1%>py>po>cpy	
				2417	88.00	89.00	1.00	1%>py>po>cpy	
			88.59-89.36m: chl alt'n and qtz stringers; fol @ 40° to CA; sulphides absent	2418	89.00	90.00	1.00	tr. py	
				2419	90.00	91.00	1.00	tr. py	
			91.30-91.63m: hornblendite; 3-5% net texture po; 1% py, <1% cpy	2420	91.00	92.00	1.00	1-2% po, 1%>py>cpy	
				2421	92.00	93.00	1.00	tr. py+po	
				2422	93.00	94.00	1.00	tr. py+po+cpy	
				2423	94.00	95.00	1.00	1%>po>py>cpy	
				2424	95.00	96.00	1.00	tr. py	
				2425	96.00	97.00	1.00	tr. py	
			97.00-97.65m: mafic dyke; f. grd.; med. grey; v. weakly magnetic; abundant wispy qtz stringers; contacts sharp @ 65° to CA	2426	97.00	98.00	1.00	tr. py	
				2427	98.00	99.00	1.00	tr. py	
				2428	99.00	100.00	1.00	tr. py	
				2429	100.00	101.00	1.00	tr. py	
				2430	101.00	102.00	1.00	tr. py	
				2431	102.00	103.00	1.00	tr. py	
				2432	103.00	104.00	1.00	tr. py	
				2433	104.00	105.00	1.00	tr. py	

DIAMOND DRILL LOG				Hole No. MR10-05				Page 4 of 5
Interval		Recovery	Description	Sample	Interval		Sample	Sample Description
From	To	(%)		number	From	To	Length	
				2434	105.00	106.00	1.00	tr. py+po+cpy
				2435	106.00	107.00	1.00	tr. py
				2436	107.00	108.00	1.00	tr. py
				2437	108.00	109.00	1.00	tr. py
				2438	109.00	110.00	1.00	tr. py
				2439	110.00	111.00	1.00	tr. py
			111.19-111.57m: hornblendite; 1-2% po, <1%py, tr. cpy	2440	111.00	112.00	1.00	1%>po>py>cpy
			112.70-115.31m: hornblendite; 3-4% diss sulphides (po>py>cpy)	2441	112.00	113.00	1.00	1%>po>py>cpy
				2442	113.00	114.00	1.00	3% po, 1% py, <1% cpy
				2443	114.00	115.00	1.00	2% po, 1% py, <1% cpy
				2444	115.00	116.00	1.00	1%>po>py>cpy
			116.10-116.74m: hornblendite; 2-3% ea. po+py, <1% cpy	2445	116.00	117.00	1.00	tr. py+po
				2446	117.00	118.00	1.00	tr. py
				2447	118.00	119.00	1.00	tr. py+po
				2448	119.00	120.00	1.00	tr. py
				2449	120.00	121.00	1.00	tr. py
			121.64-123.46m: intense chl alt'n; locally well developed fol @45° to CA; wispy qtz-carb stringers and cm-scale clean white qtz veins; tr.	2450	121.00	122.00	1.00	tr. py+po
				2451	122.00	123.00	1.00	tr. py+po
				2452	123.00	124.00	1.00	tr. py+po
			124.58-135.63m: hornblendite; 5-8% sulphides (po>py>cpy) in upper 4.5m; sulphides occur as strong disseminations to net texture and several 3-10cm clots; sulphide content <=1% diss. in lower part of the interval	2453	124.00	125.00	1.00	1% po>cpy>py
				2454	125.00	126.00	1.00	1% po>py>cpy
				2455	126.00	127.00	1.00	2% po, 1% py, tr. cpy
				2456	127.00	128.00	1.00	8% po, 2% py, <1% cpy
				2457	128.00	129.00	1.00	4-6% po, 1% py, <1% cpy
				2458	129.00	130.00	1.00	1% ea. py+po; tr. cpy
				2459	130.00	131.00	1.00	tr. py+po
			131.30-131.95m: intense chl alt'n; wispy qtz±carb stringers	2460	131.00	132.00	1.00	tr. py+po
				2461	132.00	133.00	1.00	1% >po>py; tr. cpy
				2462	133.00	134.00	1.00	1% >po>py; tr. cpy
				2463	134.00	135.00	1.00	1% >po>py; tr. cpy

Interval From	Interval To	Recovery (%)	Description	Sample number	Interval From	Interval To	Sample Length	Sample Description
135.63	200.00		Gabbro; similar to 70.91-135.63m but lacking hornblendite intervals; granitic intrusions less common; locally v. coarse grained with sub-ophitic texture; sulphides limited to trace diss. and fx bound py	2464	135.00	136.00	1.00	1% >po>py; tr. cpy
			136.14-136.87m: mafic dyke; v.f.grd.; med grey; moderately magnetic; contacts sharp @ 75° to CA	2465	136.00	137.00	1.00	tr. py
				2466	137.00	138.00	1.00	tr. py
				2467	138.00	139.00	1.00	tr. py
			139.99-141.27m: mafic dyke; bt phyric; f.grd.; med grey; v. weakly magnetic; contacts broken	2468	139.00	140.00	1.00	tr. py
			141.27-142.72m: mafic volcanic (?); aphanitic; very hard (silica rich); greenish bluish grey; pervasive fabric defined by wispy chl oriented at low angles (0-15°) to CA; upper 35cm brecciated with gabbro clasts and carb stringers; UC broken; LC fairly sharp @ 15 deg to					
			146.96-152.87m: bt phyric mafic dyke as 139.99-141.27m; UC sharp @ 50° to CA; LC sharp @ 30° to CA					
			149.23-151.38m: diabase dyke; f.grd.; dk greenish grey; strongly magnetic; distinct chill margins; UC sharp @ 40° to CA; LC fairly sharp @ 60° to CA					
			152.87-155.10m: abundant carb-qtz stringers and pervasive carb					
				2469	172.50	173.50	1.00	tr. py
				2470	173.50	174.50	1.00	tr. py
				2471	174.50	175.50	1.00	tr. py
			175.51-176.45m: felsic-poor gabbro similar to hornblendite; cpy in fracture at 175.84m	2472	175.50	176.50	1.00	tr. py+cpy
				2473	176.50	177.50	1.00	tr. py
				2474	177.50	178.50	1.00	1% euhedral py
			188.30m: foliation at 45° to CA	2475	178.50	179.50	1.00	tr. py
200.00			End Of Hole					

DDH MR10-5 COLLAR: UTME 441067, N5264282 (NAD83)
-45°, 270 Az



DIAMOND DRILL LOG

Hole No. MR10-09 | **Page** 1 of 4

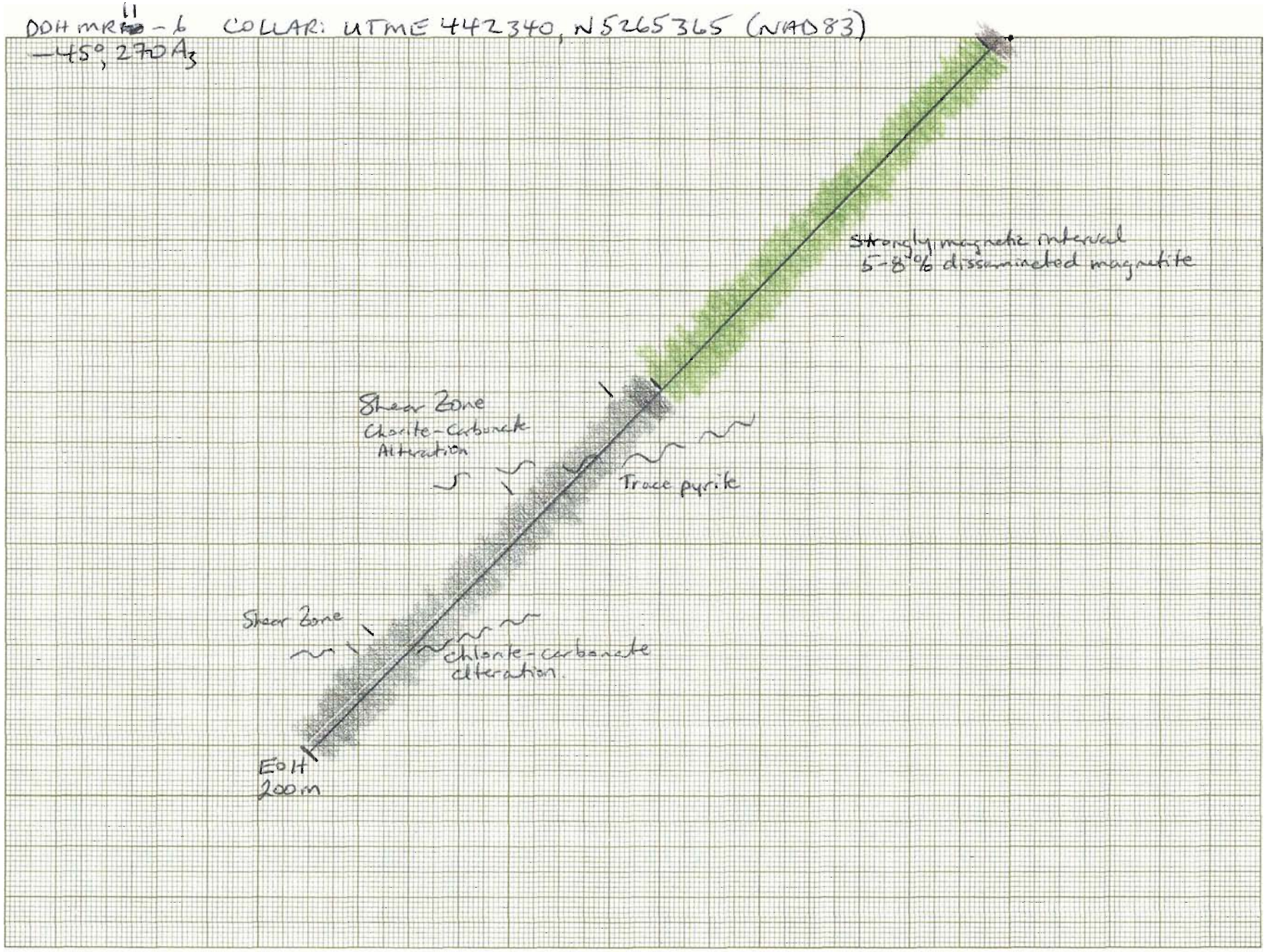
Property: Mollie River, ON	**Date Collared:** 14 Dec 2010	**Azimuth:** 090	**Logged by:** G.F. Janson	**UTM:** E
Grid Coordinates: 14+00N / 11+00W	**Date Completed:** 17 Dec 2010	**Length:** 200m	**Assays by:** Actlabs Timmins	N
Purposes: Test IP target B8	**Core Size:** NQ	**Dip:** -45	**Drilled by:** Salo	**Drill Rig:** Longyear 38 **Datum:**

Interval From	Interval To	Recovery (%)	Description	Sample number	Sample Interval From	Sample Interval To	Sample Length	Sample Description
0.00	1.50		Casing/Overburden					
1.50	8.61		Granite; med. grd.; pale grey with patchy pink staining; includes minor mm-cm scale gabbro clasts					
			5.16-5.67m: gabbro; med-coarse grd.; 2-4% of 1-2mm diss. magnetite; 1% of 1-3mm diss. subhedral py; UC swirled/mixed with granite; LC fairly sharp @ 40° to CA					
8.61	53.95		Gabbro; generally fine to medium grained and equigranular; greyish green speckled appearance; mod. chl. alt'n throughout; tr py throughout					
			8.61-11.11m: med-coarse grd. gabbro; low felsic content; strong chl-carb and moderate bt alt'n; 1% diss py; 3-5% diss mag (size 1-	2476	8.60	9.60	1.00	1% py, 3-5% mag, tr. po±cpy
				2477	9.60	10.60	1.00	1% py, 3-5% mag, tr. po±cpy
				2478	10.60	11.10	0.50	1% py, 3-5% mag, tr. po±cpy
			11.11-12.24m: mafic dyke; v.f.grd.; v. weakly magnetic; med. grey; weakly bt phyric; fine diss py throughout; contacts sharp @ 30° to	2479	11.10	12.27	1.17	1% py
			13.75-17.60m: variably silica enriched (dioritic); locally coarse grained and sub-ophitic; textural changes gradation with					
			18.22-29.25m: mafic-intermediate (?) dyke; v.f.grd.; med. grey; massive except for weak light/dark banding at ~15° to CA in lower 1m of interval; v.weakly magnetic; UC sharp @ 30° to CA (40 cm chill margin also present); LC wavy @ ~15° to CA (parallel to					
			29.25-33.90m: shear zone? stretched qtz+fsp; intense chl alt'n of mafics; fabric wavy between 0 and 25° to CA; tr. py on fx surfaces; LC wavy @ ~10° to CA					

DIAMOND DRILL LOG				Hole No. MR10-09				Page 2 of 4
Interval		Recovery	Description	Sample number	Interval		Sample Length	Sample Description
From	To	(%)			From	To		
53.95	79.60		Diabase dyke; fine (1mm) grained; massive; 5-10% diss. mag; gradational grain size decrease on outer 4m of interval (chill margins); weak chl alt'n of mafics	2480	77.00	78.00	1.00	tr. py
				2481	78.00	79.00	1.00	tr. py
				2482	79.00	80.00	1.00	tr. py+po
79.60	200.00		Gabbro; coarse to v. coarse grained; locally sub-ophitic; mod. chl. alt'n of hbl throughout; patchy disseminated sulphides (po>py>>cpy) locally as weak net texture to blebby - max sulphide content ~5% over 30cm; po commonly occurs as exsolution lamellae from magnetite which is also patchily distributed; several granitic and mafic intrusions as noted	2483	80.00	81.00	1.00	1% po, tr. py±cpy
				2484	81.00	82.00	1.00	1% po, tr. py±cpy
				2485	82.00	83.00	1.00	1% po, tr. py±cpy
				2486	83.00	84.00	1.00	2% po, tr. py±cpy
				2487	84.00	85.00	1.00	2% po, tr. py±cpy
			85.38-86.00m: mafic dyke; dk. greenish grey; aphanitic; v. weakly magnetic; a few 1-10mm plag phenocrysts; UC rough @ 25° to CA; LC broken	2488	85.00	86.00	1.00	1%>po>py>cpy
				2489	86.00	87.00	1.00	2% po, tr. py+cpy
				2490	87.00	88.00	1.00	1%>po>py>cpy
				2491	88.00	89.00	1.00	1%>po>py>cpy
			89.80-91.94m: felsic poor (<10% felsics) gabbro: "hornblendite"; diss. and weak net texture sulphides (po>py>cpy)	2492	89.00	90.00	1.00	1%>po>py>cpy
				2493	90.00	91.00	1.00	2% po, 1% py, tr. cpy
				2494	91.00	92.00	1.00	2% po, 1% py, tr. cpy
				2495	92.00	93.00	1.00	1%>po>py>cpy
				2496	93.00	94.00	1.00	1%>po>py>cpy
				2497	94.00	95.00	1.00	tr. py+po
				2498	95.00	96.00	1.00	1% po>py
				2499	96.00	97.00	1.00	1% po>py
				2500	97.00	98.00	1.00	4% po, <1% py, tr. cpy
				2501	98.00	99.00	1.00	2% po, <1% py, tr. cpy
				2502	99.00	100.00	1.00	tr. py+po
				2503	100.00	101.00	1.00	3% po, <1% py, tr. cpy
			101.38-103.56m: f.grd. gabbro; pervasive carb alt'n and wispy carb-qtz veinlets; UC gradational over 5cm; LC broken; tr. diss. py	2504	101.00	102.00	1.00	tr. py
				2505	102.00	103.00	1.00	tr. py
				2506	103.00	104.00	1.00	tr. py+po
				2507	104.00	105.00	1.00	2% po, 1%>py>cpy
				2508	105.00	106.00	1.00	4% po, 1%>py>cpy
				2509	106.00	107.00	1.00	1% po, 1%>py>cpy
				2510	107.00	107.76	0.76	1% po, 1%>py>cpy

DIAMOND DRILL LOG				Hole No. MR10-09				Page 3 of 4
Interval		Recovery	Description	Sample	Interval		Sample	Sample Description
From	To	(%)		number	From	To	Length	
			107.76-110.43m: granitic dyke; pervasive salmon-coloured staining; contacts sharp @ 25 ° to CA; strong chl and weak bt alteration in 10cm of surrounding gabbro	2511	107.76	108.76	1.00	nil-tr. sulphides
				2512	108.76	109.76	1.00	nil-tr. sulphides
				2513	109.76	110.42	0.66	nil-tr. sulphides
				2514	110.42	111.42	1.00	2% po, tr. py±cpy
				2515	111.42	112.42	1.00	2% po, tr. py±cpy
				2516	112.42	113.17	0.75	2% po, tr. py±cpy
			113.16-115.01m, 115.32-118.24m: granitic dykes as 107.76-	2517	113.17	114.17	1.00	nil-tr. sulphides
				2518	114.17	115.17	1.00	nil-tr. sulphides
				2519	115.17	116.17	1.00	nil-tr. sulphides
				2520	116.17	117.17	1.00	nil-tr. sulphides
				2521	117.17	118.17	1.00	nil-tr. sulphides
			118.89-124.20m: mafic dyke; v.f.grd.; dk grey with blobby green chl alt'n; weakly magnetic; contacts wavy	2522	118.17	119.00	0.83	1% po>py>cpy
				2523	119.00	120.00	1.00	tr. py
				2524	120.00	121.00	1.00	tr. py
				2525	121.00	122.00	1.00	tr. py
				2526	122.00	123.00	1.00	tr. py
				2527	123.00	124.00	1.00	tr. py
				2528	124.00	125.00	1.00	1% po>py>cpy
				2529	125.00	126.18	1.18	2% po>py>cpy
			126.12-127.28m: f.grd. gabbro as 8.61-53.95m; UC is a 5mm wide qtz vein @ 40° to CA; LC fairly sharp @ 50° to CA	2530	126.18	127.28	1.10	1% po>py>cpy
				2531	127.28	128.46	1.18	1% po>py>cpy
			128.46-142.00m: mafic dyke; f.grd.; dk. grey; strongly magnetic; weak pervasive chl alt'n; UC sharp @ 25 ° to CA; LC sharp @ 20 ° to CA; chill margins ~50cm wide of grain size decreasing outward	2532	128.46	129.46	1.00	tr. py
				2533	129.46	130.46	1.00	tr. py
				2534	130.46	131.46	1.00	tr. py
			142.67-147.49m: mafic dyke as 128.46-142.00m; contacts @ 20° to	2535	147.00	148.00	1.00	tr. py
				2536	148.00	149.00	1.00	tr. py+po+cpy
			149.82-150.60m: f.grd. gabbro as 8.61-53.95m; chill margins ~15cm wide of decreasing grain size outward; contacts wavy	2537	149.00	150.00	1.00	1%>po>py
				2538	150.00	151.00	1.00	1%>po>py
				2539	151.00	152.00	1.00	tr. py+po

DIAMOND DRILL LOG				Hole No. MR10-09				Page 4 of 4
Interval		Recovery	Description	Sample number	Interval		Sample Length	Sample Description
From	To	(%)			From	To		
			152.03-156.51m: mafic dyke as 128.46-142.00m; contacts slightly rough @ 15° to CA	2540	152.00	153.00	1.00	tr. py
				2541	153.00	154.00	1.00	tr. py
			157.50m: gabbro is coarser grained from here to EOH; texture sub-ophitic and commonly ophitic with laths of plagioclase up to 3 cm in size; sulphide content is limited almost exclusively to minor po exsolved from patches of magnetite	2542	159.00	160.00	1.00	1%>po>py
				2543	160.00	161.00	1.00	1%>po>py
			161.71-161.93m; granitic dyke as 107.76-110.43m; UC and LC rough @ 35° and 25° to CA	2544	161.00	162.00	1.00	1% po>cpy=py
				2545	162.00	163.00	1.00	tr. py+po
			169.40-172.20m: mafic dyke as 85.38-86.00m; UC sharp @ 30° to CA; LC broken	2546	170.18	171.18	1.00	tr. py
				2547	171.18	172.18	1.00	tr. py
			172.20-172.84m: strong chl alt'n of hbl in c.grd. gabbro; 5-8% mag, 1-2% po, tr. py±cpy	2548	172.18	172.87	0.69	2% po, tr. py±cpy
			172.84-173.94m: granitic dyke as 107.76-110.43m; UC and LC sharp @ 45° and 25° to CA	2549	172.87	173.94	1.07	tr. py+po
			173.94-174.20m: alteration as 172.20-172.84m	2550	173.94	174.89	0.95	1% po, tr. py±cpy
			174.89-176.67m: granitic dyke as 107.76-110.43m	2551	174.89	175.89	1.00	tr. py
				2552	175.89	176.67	0.78	tr. py
				2553	176.67	178.00	1.33	1% >po>py
				2554	178.00	179.00	1.00	1% >po>py
				2555	179.00	180.00	1.00	1% po, tr. py
				2556	180.00	181.00	1.00	1% po, tr. py
				2557	181.00	182.00	1.00	tr. py+po
				2558	182.00	183.00	1.00	1% po, tr. py
				2559	183.00	184.00	1.00	1% po, tr. py
				2560	184.00	185.00	1.00	tr. py+po
200.00			End Of Hole					



DIAMOND DRILL LOG

Hole No. MR10-10 | **Page** 1 of 3

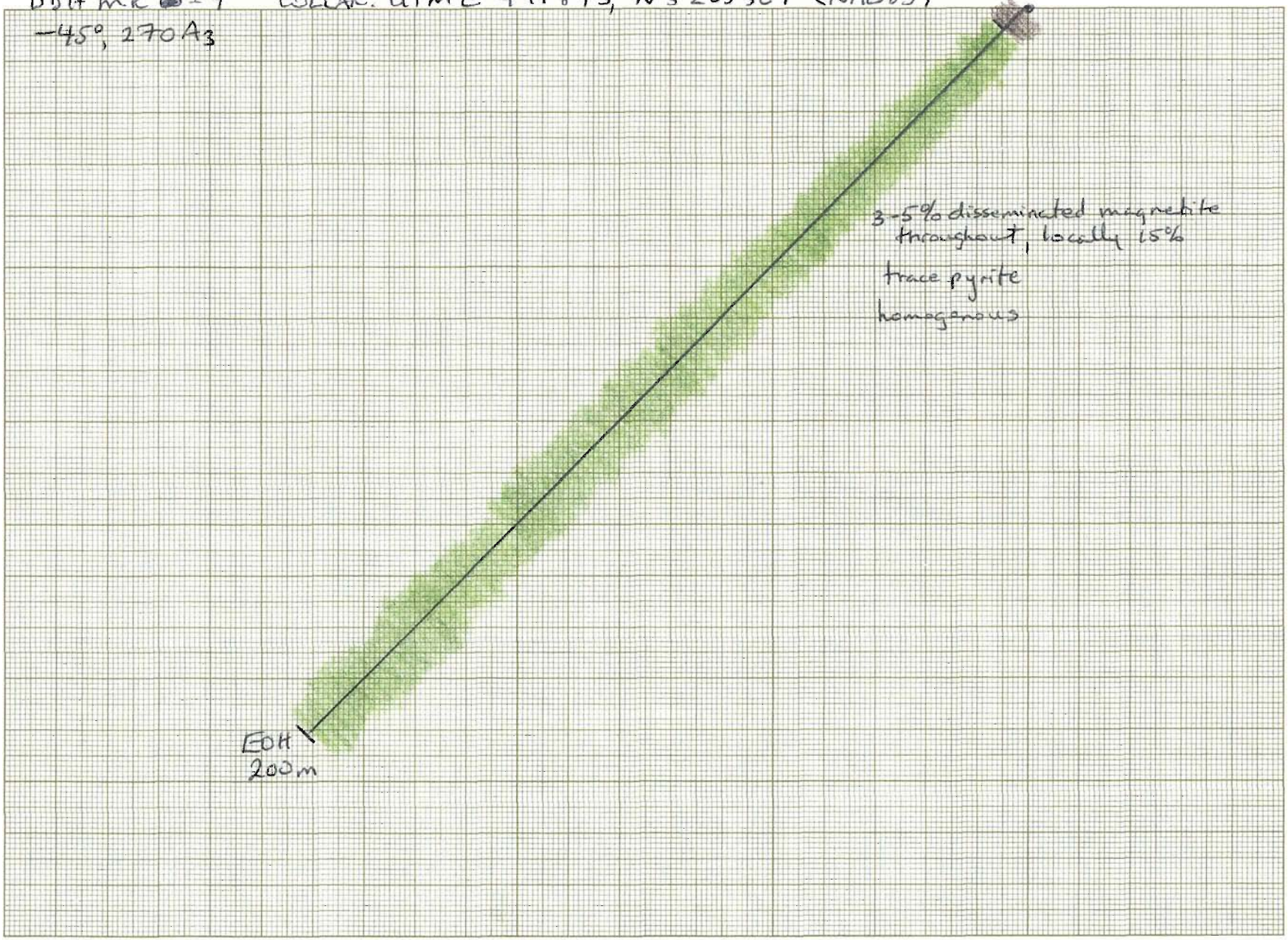
Property: Mollie River, ON	**Date Collared:** 3 Jan 2011	**Azimuth:** 270	**Logged by:** G.F. Janson	**UTM:** E
Grid Coordinates: 20+00N / 3+50E	**Date Completed:** 5 Jan 2001	**Length:** 200m	**Assays by:** Actlabs Timmins	N
Purposes: Test IP target B6	**Core Size:** NQ	**Dip:** -45	**Drilled by:** Salo	**Drill Rig:** Longyear 38	**Datum:**

Interval From	Interval To	Recovery (%)	Description	Sample number	Interval From	Interval To	Sample Length	Sample Description
0.00	9.00		Casing/Overburden					
9.00	200.00		Gabbro; generally 0.5-2 mm grain size; green with minor bluish grey colour in finer grained intervals; massive except as noted; weakly magnetic; trace to 1% finely disseminated pyrite throughout; rare flecks of po and very rare cpy in healed fractures; wispy qtz±carb stringers common	2561	9.00	10.00	1.00	tr. py
				2562	10.00	11.00	1.00	tr. py
				2563	11.00	12.00	1.00	tr. py
				2564	12.00	13.00	1.00	tr. py
				2565	13.00	14.00	1.00	tr. py
				2566	14.00	15.00	1.00	tr. py
			9.00-15.50m: well developed foliation @ 40° to CA; intense chl-carb alteration; ~5% graphite; decrease in foliation/alteration gradational over 13.00-15.00m	2567	15.00	15.82	0.82	tr. py
			15.82-17.99m: diorite dyke; 0.5-1 mm grain size; 1 cm chill margins; non magnetic; UC sharp @ 25° to CA; LC sharp @ 30° to CA	2568	15.82	17.00	1.18	tr.-1% py
				2569	17.00	18.00	1.00	tr. py
				2570	15.82	19.00	3.18	tr. py
				2571	19.00	20.00	1.00	tr. py
				2572	15.82	21.00	5.18	tr. py+po
				2573	21.00	22.00	1.00	tr. py
				2574	22.00	23.00	1.00	tr. py
				2575	51.00	52.00	1.00	tr. py
				2576	52.00	53.00	1.00	tr. py
				2577	53.00	54.00	1.00	tr. py
			48.78-49.81m: mafic dyke; fine grained; med. grey; moderately magnetic; 2 cm chill margins; UC sharp @ 55° to CA; LC sharp @ 40° to CA					
			71.43-71.96m: mafic dyke as 48.78-49.81m; contacts irregular (broken, with fractures healed by qtz-carb)					

DIAMOND DRILL LOG				Hole No.MR10-10				Page 2 of 3
Interval		Recovery	Description	Sample number	Interval		Sample Length	Sample Description
From	To	(%)			From	To		
				2578	75.00	76.00	1.00	tr. py
				2579	76.00	77.00	1.00	tr. py
				2580	77.00	78.00	1.00	tr. py
				2581	78.00	79.00	1.00	tr. py
				2582	79.00	80.00	1.00	tr. py
				2583	80.00	81.00	1.00	tr. py
			92.62-97.92m: mafic dyke; f. grd.; greenish grey; weakly magnetic; UC irregular; LC sharp @ 40° to CA					
			101.64-119.26m: moderate to strong bt-chl-carb alt'n; moderately to well developed foliation generally at 30-40° to CA but locally wavy to subparallel to CA; abundant qtz-carb veins 3-10mm wide and commonly parallel to foliation; UC irregular; LC fairly sharp and parallel to foliation @ 30° to CA	2584	102.00	103.00	1.00	tr. py
				2585	103.00	104.00	1.00	tr. py
				2586	104.00	105.00	1.00	tr. py
				2587	105.00	106.00	1.00	tr. py; 6 cm wide qtz vein at 105.69m
				2588	106.00	107.00	1.00	tr. py
				2589	107.00	108.00	1.00	tr. py
				2590	108.00	109.00	1.00	tr. py
				2591	109.00	110.00	1.00	tr. py
			155.22-159.27m: granite; med.grd.; pink; UC interfingered with gabbro; LC rough with a 3cm wide qtz vein					
			173.78-173.91m: granite as 155.22-159.27m; UC and LC fairly sharp @ 45° and 30° to CA respectively					
			174.21-177.70m: abundant qtz-carb stringers; generally mm-scale except a 12 cm wide vein at 174.31m					
				2592	181.00	182.00	1.00	tr. py
				2593	182.00	183.00	1.00	tr. py, tr. po+cpy in fracture
				2594	183.00	184.00	1.00	tr. py
				2595	184.00	185.00	1.00	tr. py

DIAMOND DRILL LOG				Hole No.MR10-10				Page 3 of 3
Interval		Recovery	Description	Sample number	Interval		Sample Length	Sample Description
From	To	(%)			From	To		
			185.64-191.55m: patchy chl. alt'n and minor bluish grey gabbro; locally strong foliation wavy between 0-35 ° to CA; a few mm-scale blebs of po+cpy+py (+sph?) associated with stronger chl alt'n	2596	185.00	186.00	1.00	tr. py+po in fracture (+tr. apy??)
				2597	186.00	187.00	1.00	tr. py
				2598	187.00	188.00	1.00	tr. py
				2599	188.00	188.84	0.84	tr. py
				2600	188.84	189.35	0.51	1%>po>cpy>sph(?)>py
				2601	189.35	190.35	1.00	tr. py
				2602	190.35	191.00	0.65	tr. py
				2603	191.00	192.00	1.00	tr. py
				2604	192.00	193.00	1.00	tr. py
				2605	193.00	194.00	1.00	tr. py
200.00			End Of Hole					

DDH mR 11-7 COLLAR: UTM E 441843, N 5265509 (NAD83)
-45°, 270 A3



DIAMOND DRILL LOG

Hole No. MR11-06 | **Page** 1 of 3

Property: Mollie River, ON	**Date Collared:** 6 Jan 2011	**Azimuth:** 270	**Logged by:** G.F. Janson	**UTM:**	E
Grid Coordinates: 22+00N / 3+00E	**Date Completed:** 8 Jan 2011	**Length:** 200m	**Assays by:** Actlabs Timmins		N
Purposes: Test IP target B6	**Core Size:** NQ	**Dip:** -45	**Drilled by:** Salo	**Drill Rig:** Longyear 38	**Datum:**

Interval From	Interval To	Recovery (%)	Description	Sample number	Interval From	Interval To	Sample Length	Sample Description
0.00	2.00		Casing/Overburden					
2.00	96.62		Gabbro; low felsic content (sub-hornblendite); massive; fresh; grain size 1-3mm; dark bluish greenish grey; 5-8% disseminated magnetite (1-3mm grains); trace diss. py throughout; rare po±cpy only in fractures (i.e. remobilized)	2606	4.00	5.00	1.00	tr. py, 5-8% magnetite
				2607	5.00	6.00	1.00	tr. py, 5-8% magnetite
				2608	6.00	7.00	1.00	tr. py, 5-8% magnetite
				2609	7.00	8.00	1.00	tr. py, 5-8% magnetite
				2610	8.00	9.00	1.00	tr. py, 5-8% magnetite
				2611	9.00	10.00	1.00	tr.-1% py, 5-8% magnetite
				2612	10.00	11.00	1.00	tr. py, 5-8% magnetite
			11.04-12.07m: mafic dyke; f.grd.; dk. greenish grey; strongly magnetic; UC and LC sharp @ 50 and 55° to CA					
			35.88-37.60m: mm-scale po±cpy blebs in fractures incl. a 1 cm bleb at 35.98m	2613	30.85	31.85	1.00	tr.py
				2614	31.85	32.85	1.00	tr.py
				2615	32.85	33.85	1.00	tr.py
				2616	33.85	34.85	1.00	tr.py+po
				2617	34.85	35.85	1.00	tr.py
				2618	35.85	36.85	1.00	1% po, tr.py±cpy
				2619	36.85	37.81	0.96	<1% po, tr.py±cpy
				2620	37.81	38.81	1.00	tr. py
				2621	38.81	39.81	1.00	tr. py
				2622	39.81	40.78	0.97	tr. py
			78.67-79.09m: mafic dyke; med grey; v. weakly magnetic; contacts fairly sharp @ 85° to CA					
			89.79-89.96m: granodiorite; white with minor salmon-coloured staining; med. grd.; contacts gradational over 2 cm					
			95.56-96.00m: granodiorite as 89.79-89.96m					

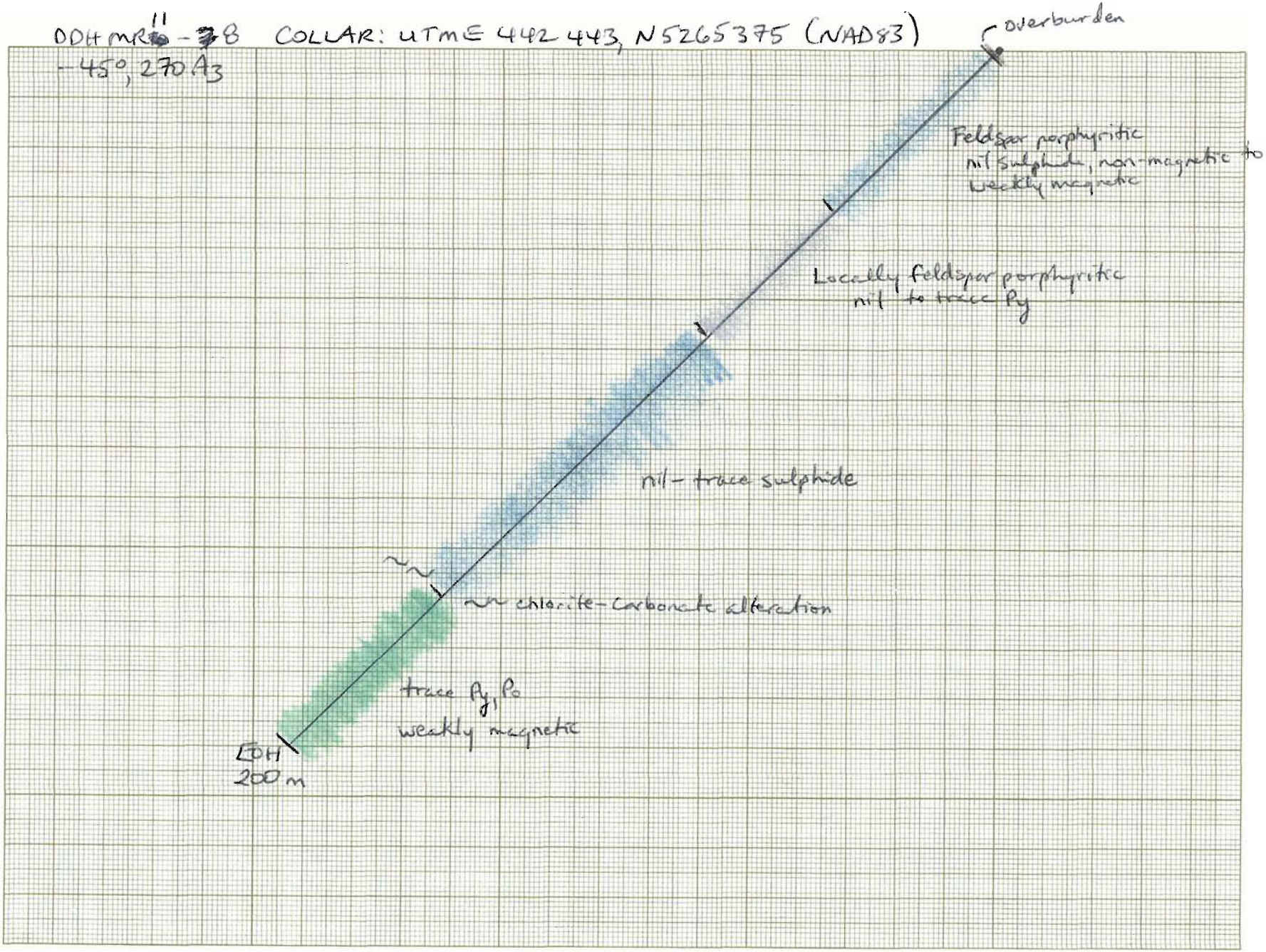
DIAMOND DRILL LOG				Hole No. MR11-06				Page 2 of 3
Interval		Recovery	Description	Sample number	Interval		Sample Length	Sample Description
From	To	(%)			From	To		
96.62	200.00		Gabbo; texture and grain size as 2.00-96.62 but with green colour and higher (~40%) felsic mineral content; cm-scale granitic/granodioritic bands are common (3-5 vol%); 4-6% diss. magnetite and tr. diss. py throughout; contact with overlying gabbro is gradational from 96.62-105.00m					
			106.70-134.60m: shear zone; strong chl-carb alt'n (~15% calcite); 5-8% diss. mag; foliation @ 40-50 ° to CA defined by cc stringers and stretched chl; minor 1-5mm sub- to euhedral py and ~1% finely diss.	2623	119.00	120.00	1.00	tr. py
			120.45-120.87m: clean white "bull" qtz vein; contacts parallel to foliation; minor carb veinlets	2624	120.00	121.00	1.00	1% py
			121.29-121.39m: qtz vein; a few dk grey non-magnetic needle-like metallic crystals at LC - probably graphite	2625	121.00	122.00	1.00	tr. py
				2626	122.00	123.00	1.00	tr. py
				2627	123.00	124.00	1.00	tr. py
				2628	124.00	125.00	1.00	tr. py
				2629	125.00	126.00	1.00	tr. py
				2630	126.00	127.00	1.00	tr. py
				2631	127.00	128.00	1.00	tr. py
				2632	128.00	129.00	1.00	tr. py
				2633	129.00	130.00	1.00	tr. py
				2634	130.00	131.00	1.00	tr. py
				2635	131.00	131.78	0.78	tr. py
			131.86-132.37m: cm-scale qtz veins and granite clasts; abundant mag and euhedral py on 131.80-131.86m	2636	131.78	132.78	1.00	1% py
				2637	132.78	133.78	1.00	1% py
				2638	133.78	134.78	1.00	1% py
				2639	134.78	135.78	1.00	<1% py
				2640	135.78	136.78	1.00	<1% py
			172.67-177.67m: mafic volcanic? f.grd.; very strong chl-carb alt'n; light green colour; rough contacts with minor brecciation at 40° to					

DIAMOND DRILL LOG

Hole No. MR11-06 |

Interval From	Interval To	Recovery (%)	Description	Sample number	Interval From	Interval To	Sample Length	Sample Description
			177.67-200.00m: dm- to m-scale interbands of med. grd. green and white speckled (grano)diorite with gabbro; 2-3% finely diss mag in diorite, normal 4-6% mag in gabbro; overall 70% diorite and 30% gabbro	2641	183.00	184.00	1.00	diorite with tr. py
				2642	184.00	185.00	1.00	diorite with tr. py
				2643	185.00	186.00	1.00	90% diorite; <1% po in gabbro
				2644	186.00	187.03	1.03	gabbro; tr. py
				2645	187.03	188.00	0.97	90% gabbro; tr. py
				2646	188.00	189.00	1.00	90% gabbro; tr. py
200.00			End Of Hole					

DDH MR11-18 COLLAR: UTM E 442 443, N 5265 375 (NAD83)
-45°, 270 A3



DIAMOND DRILL LOG

Hole No. MR11-07 | **Page** 1 of 3

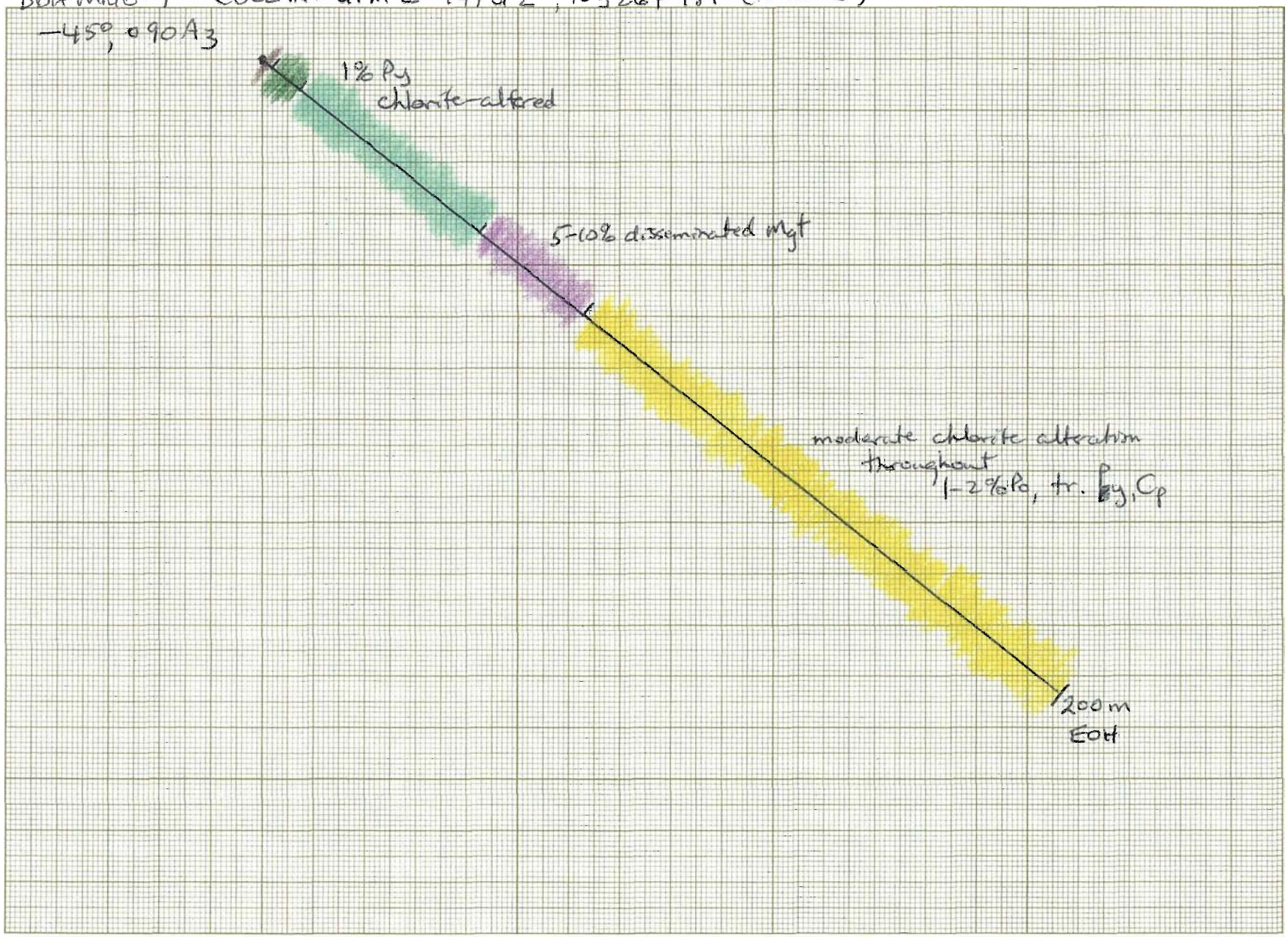
Property: Mollie River, ON	**Date Collared:** 14 Jan 2011	**Azimuth:** 270	**Logged by:** G.F. Janson	**UTM:** E
Grid Coordinates: 24+00N / 1+75W	**Date Completed:** 17 Jan 2011	**Length:** 200m	**Assays by:** Actlabs Timmins	N
Purposes: Test IP target B4	**Core Size:** NQ	**Dip:** -45	**Drilled by:** Salo	**Drill Rig:** Longyear 38	**Datum:**

Interval From	Interval To	Recovery (%)	Description	Sample number	Interval From	Interval To	Sample Length	Sample Description
0.00	7.00		Casing/Overburden					
7.00	200.00		Gabbro; medium grained (2-5mm); green colour; massive; weak to moderate chl alt'n throughout; moderately to strongly magnetic due to 3-5% disseminated magnetite - locally higher and rarely to 15%; trace to 1% finely disseminated pyrite; upper 40m contains 10-15 vol% of cm- to dm-scale granodioritic rock; lower 160m contains 3-5 vol% of same - this may be indicative of interfingering near an intrusive contact?; contacts between gabbro and granodiorite typically are sharp and at 50-60° to CA	2674	11.00	12.00	1.00	1% py, 2-3% mag
				2675	12.00	13.00	1.00	1% py, 2-3% mag
				2676	13.00	14.00	1.00	1% py, 2-3% mag
				2677	14.00	14.99	0.99	1% py, 2-3% mag
				2678	14.99	16.00	1.01	1% py, 2-3% mag
				2679	16.00	17.00	1.00	1% py, 2-3% mag
			21.45-22.08m: mafic dyke; v.f.grd.; med. greenish grey; v. weakly magnetic; UC irregular; LC sharp @ 30 to CA					
			22.20-22.51m: magic dyke as 21.45-22.08m; contacts sharp @ 35 ° and 40 ° to CA, but with different strike directions					
				2680	38.00	39.00	1.00	
				2681	39.00	40.00	1.00	
				2682	40.00	41.00	1.00	
				2683	41.00	42.00	1.00	
				2684	42.00	43.00	1.00	
				2685	43.00	44.00	1.00	
			44.59-46.43m: mafic dyke as 21.45-22.08m; abundant wispy cc veinlets and weakly developed foliation @ 45° to CA					
			54.20-59.00m: mafic dyke as 44.59-46.43m; several cm-scale inclusions of granodiorite; cc veinlets more abundant in upper half of interval					

DIAMOND DRILL LOG					Hole No. MR11-07				Page 2 of 3
Interval		Recovery	Description	Sample	Interval		Sample	Sample Description	
From	To	(%)		number	From	To	Length		
			59.51-59.85m: mafic dyke as 44.59-46.43m						
			60.21-60.49m: mafic dyke as 44.59-46.43m						
			82.15-83.98m: granodiorite; several cm-scale angular fragments of mafic dyke as 21.45-22.08m						
				2686	97.00	98.00	1.00	3-5% mag, <1% py	
				2687	98.00	99.00	1.00	3-5% mag, <1% py	
				2688	99.00	100.00	1.00	3-5% mag, <1% py	
			124.30-124.76m: mafic dyke as 21.45-22.08m; UC jagged; LC sharp @ 50° to CA						
			134.93-142.66m: mafic dyke as 21.45-22.08m; UC sharp @ 40° to CA; LC rough @ 15° to CA						
			145.30-148.53m: strong cc alt'n as disseminations and stringers; weak foliation at ~40° to CA	2689	146.00	147.00	1.00	3-5% mag, <1% py	
				2690	147.00	148.00	1.00	3-5% mag, <1% py	
				2691	148.00	149.00	1.00	3-5% mag, <1% py	
			149.60-164.30m: shear zone?; moderately to well developed foliation @ 25-45 ° to CA; moderate to strong chl-carb alt'n; minor mm-scale blebs of py in fractures/carb veinlets; contacts gradational into massive gabbro	2692	149.00	150.00	1.00	5-8% mag, 1% py	
				2693	150.00	151.00	1.00	2-3% mag, <1% py	
				2694	151.00	152.00	1.00	2-3% mag, <1% py	
				2695	152.00	153.00	1.00	5-8% mag, 1% py	
				2696	153.00	154.00	1.00	5-8% mag, 1% py	
				2697	154.00	155.00	1.00	5-8% mag, 2% py	
				2698	155.00	156.00	1.00	3-5% mag, <1% py	
				2699	156.00	157.00	1.00	3-5% mag, 1% py	
				2700	157.00	158.00	1.00	2-3% mag, <1% py	
			175.44-175.53m: mafic (gabbro?) dyke; med. greenish grey; weakly magnetic; 3-5% of 1-2mm white phenocrysts (likely plag); UC fairly sharp @ 60 ° to CA; LC jagged						

DIAMOND DRILL LOG					Hole No. MR11-07				Page 3 of 3
Interval		Recovery	Description	Sample number	Interval		Sample Length	Sample Description	
From	To	(%)			From	To			
			176.32-176.57m, 178.00-181.51: mafic dyke as 175-44-175.53m; contacts fairly sharp @ 40-60° to CA						
200.00			End Of Hole						

DDH MR10-9 COLLAR: UTM E 441012, N 5264481 (NAD 83)
-45°, 090 A3



DIAMOND DRILL LOG

Hole No. MR11-08 | **Page** 1 of 2

Property: Mollie River, ON	**Date Collared:** 10 Jan 2011	**Azimuth:** 270	**Logged by:** G.F. Janson	**UTM:** E
Grid Coordinates: 22+00N / 3+87E	**Date Completed:** 13 Jan 2011	**Length:** 200m	**Assays by:** Actlabs Timmins	N
Purposes: Test IP target B6	**Core Size:** NQ	**Dip:** -45	**Drilled by:** Salo	**Drill Rig:** Longyear 38	**Datum:**

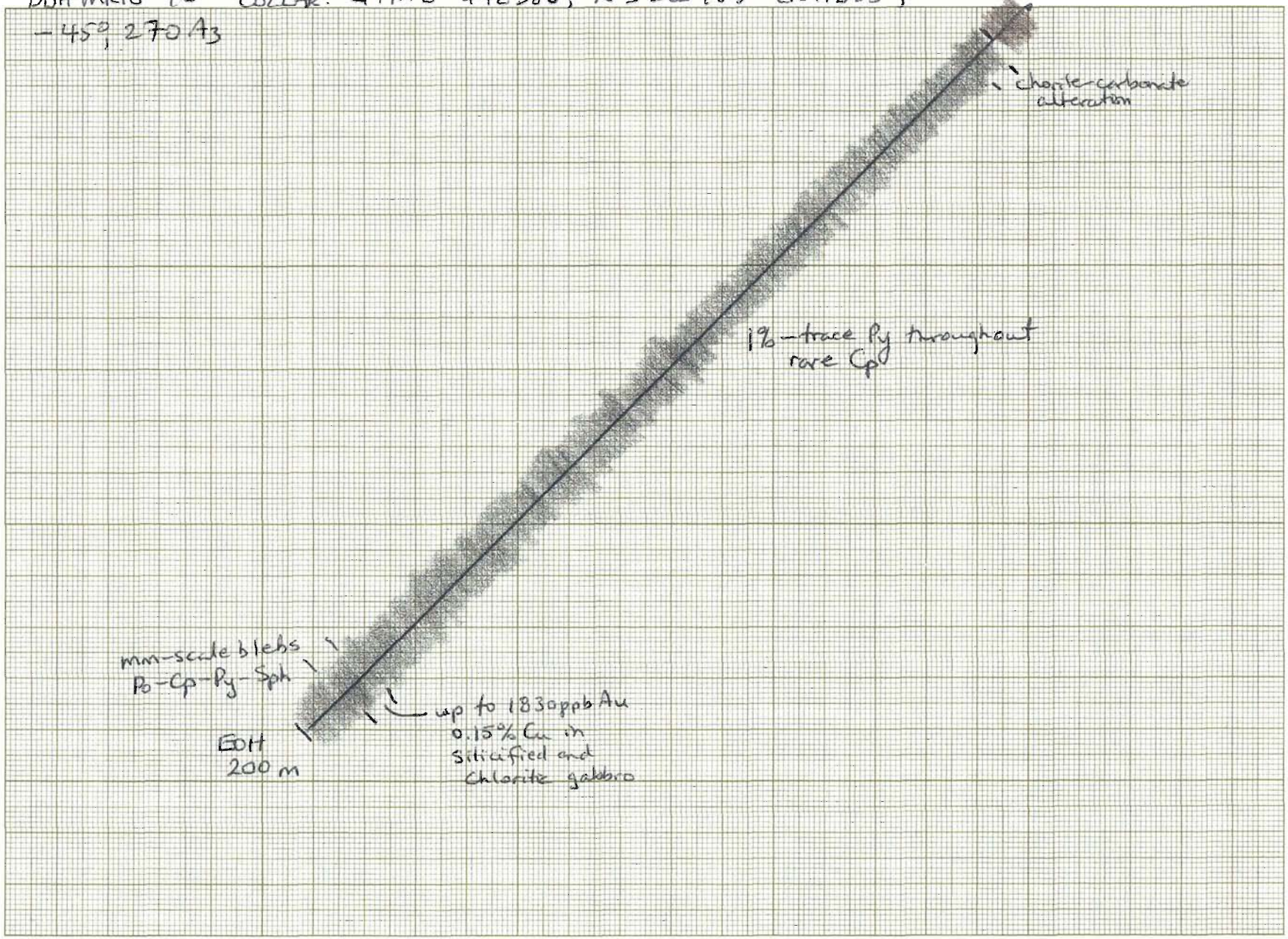
Interval From	Interval To	Recovery (%)	Description	Sample number	Interval From	Interval To	Sample Length	Sample Description
0.00			Casing/Overburden					
3.00	46.14		Granodiorite; light greenish grey; splotchy texture due to weakly porphyritic feldspar crystals and pervasive moderate chl alteration of hornblende; also minor epidote alt'n of feldspar; matrix grain size 2-6mm decreasing gradationally to 1-3mm by 23.00m					
			29.42-29.65m: granite; grey with minor salmon-coloured staining; med. grd.; UC and LC fairly sharp @ 45° and 35° to CA					
			30.54-30.85m: mafic/intermediate dyke (volcanic?); f.grd.; light greenish grey; moderately chl altered; weak but pervasive carb alt'n; weakly magnetic; 1 cm wide chill margins (flow fabric??); contacts sharp @ 35° to CA					
46.14	83.06		Mafic/intermediate dyke or volcanic; as 30-54-30.85m but commonly containing up to 5% of 1-3 mm plagioclase phenocrysts; contact @ 15 ° to CA fairly sharp but with 2 cm of carbonate veinlets					
			52.30-62.40m: weak brecciation; fractures filled by calcite	2647	49.00	50.00	1.00	nil-tr. sulphides
				2648	50.00	51.00	1.00	nil-tr. sulphides
				2649	51.00	52.00	1.00	nil-tr. sulphides
				2650	52.00	53.00	1.00	nil-tr. sulphides
				2651	53.00	54.00	1.00	nil-tr. sulphides
				2652	54.00	55.00	1.00	nil-tr. sulphides
				2653	55.00	56.00	1.00	nil-tr. sulphides
				2654	56.00	57.00	1.00	nil-tr. sulphides
				2655	57.00	58.00	1.00	<1% py
				2656	58.00	59.00	1.00	nil-tr. sulphides
				2657	59.00	60.00	1.00	nil-tr. sulphides
				2658	60.00	61.00	1.00	nil-tr. sulphides

DIAMOND DRILL LOG

Hole No. MR11-08 |

Interval From	Interval To	Recovery (%)	Description	Sample number	Sample Interval From	Sample Interval To	Sample Length	Sample Description
				2658	60.00	61.00	1.00	nil-tr. sulphides
				2659	61.00	62.00	1.00	nil-tr. sulphides
				2660	62.00	63.00	1.00	nil-tr. sulphides
				2661	63.00	64.00	1.00	nil-tr. sulphides
				2662	64.00	65.00	1.00	nil-tr. sulphides
			67.45-78.26m: diabase dyke; f.grd.; dk grey + lt grey speckled; strongly magnetic; highly fractured in upper 4m of interval - fragments typically 2-10 cm in size; 15 cm chill margins; UC wavy @					
83.06	157.22		Granodiorite as 3.00-46.14m	2663	94.28	95.28	1.00	nil-tr. sulphides
				2664	95.28	96.28	1.00	nil-tr. sulphides
				2665	96.28	97.28	1.00	
			97.28-98.45m: moderate brecciation; abundant qtz>calcite veins; strong chl alt'n; sulphides absent; contacts fairly sharp @ 15 ° to CA - possibly a heavily veined and altered dyke?	2666	97.28	98.00	0.72	
				2667	98.00	98.45	0.45	
				2668	98.45	99.45	1.00	
				2669	99.45	100.45	1.00	
				2670	100.45	101.45	1.00	
			110.55-111.56m: diabase dyke as 67.45-78.26m; contacts sharp @ 60° to CA					
			147.69-148.63m: qtz vein; chunky with irregular contacts; 5-10% of mm-cm scale clasts of host granodiorite; moderate greenish-brown and salmon coloured staining					
			148.63-154.57m: shear zone; moderate to intense chl-carb alt'n;					
157.22	200.00		Gabbro; med.grd. (2-5mm); massive; minor patchy coarse to sub-ophitic plagioclase similar in appearance to that in the overlying granodiorite; contact with granodiorite gradational; rare flechs of py±po; very weakly magnetic; moderate chl alt'n and minor wispy cc veinlets throughout	2671	165.00	166.00	1.00	tr. py
				2672	166.00	167.00	1.00	tr. py
				2673	167.00	168.00	1.00	tr. py
200.00			End Of Hole					

DDH MR10-10 COLLAR: UTM E 442386, N 5265183 (NAD83)
-45°, 270 Az



Drill Hole : MR-10-10 continued:

200 – 209.5: Gabbro

- Coarse grained, H:6.0, medium green, trace py.
- Non-carbonated, 2% quartz stringers up to 1cm in width
- From 209 – 209.5 weak foliation developing
- Sharp lower contact, chilled, @ 85 to C.A.
- Variably magnetic

209.5 – 210: Mafic Volcanics

- Weak distorted foliation
- 1% fine diss. py., trace cpy
- Weakly carbonated, lighter green, fine grained
- Non-magnetic, 3% qtz stringers
- Distorted lower contact

210 – 214: Altered Gabbro

- Epidote alteration pervasive, coarse grained,
- Weakly to non magnetic, nil sulphides
- Non-carbonated
- Similar to above gabbro
- Weakly developed foliation for last 50cm
- Sharp lower contact @ 40 to C.A.

214 – 217.6: Mineralized Mafic Volcanics

- Soft, H; 5.0, distorted weak foliation, chloritic
- 2-3% disseminated py., trace – 1% cpy in threads and fine disseminations
- 10% quartz stringers and threads
- Moderately carbonated, non magnetic, fine grained
- Distorted lower contact
- Med-light green

217.6 – 218.8: Altered Gabbro

- Coarse grained, well foliated – 42 to C.A.
- Pervasive biotite developed
- 1-2% py in blebs and disseminations
- Non-magnetic, non-carbonated
- Lower contact distorted by 2cm quartz vein
- Med. Green

218.8-227.4: Mafic Volcanics

- Well foliated from 218.8-220m @ 32 to C.A.
- From 220-226.5 foliation becomes distorted with fracture parallel to C.A.
- 226.5-227.4 foliation returns to 32 to C.A. with 2cm chill margin at lower contact
- Massive, fine grained, 1-2% diss py. Trace cpy, 5% quartz stringers and threads, non-mag, med green

227.4 – 231.3: Altered Gabbro:

- Identical to 217.4-218.8 but with sharp lower contact @ 70 to C.A.

231.3 – 233.8: Mafic Volcanics:

- Broken with 1-2%py. trace cpy,
- Lower contact distorted and chilled
- Unit grades from med to dark green, silicified H: 6.0
- Non-magnetic, 2% quartz stringers

233.8 – 236.3: Altered Gabbro

- Similar to gabbro @ 227.4-231.3, 1m from lower contact whispy hematite stringers appear in fractures with 5% quartz stringers.

236.3-293: Mafic Volcanics

- 15% quartz stringers throughout and mark upper and lower contacts, 15cm quartz vein at upper contact with granodiorite fragments and 3% py
- Silicified, H:5.5, weakly carbonated mainly rimming qtz-stringers
- 1-2% disseminated pyrite with trace cpy – avg. in unit
- Trace hematite only in quartz stringers
- From 239.5-240.5 highly altered to green-buff brown with 3%pyrite and 1% chalcopyrite, harder H:6:0
- Med. – lighter green, non magnetic

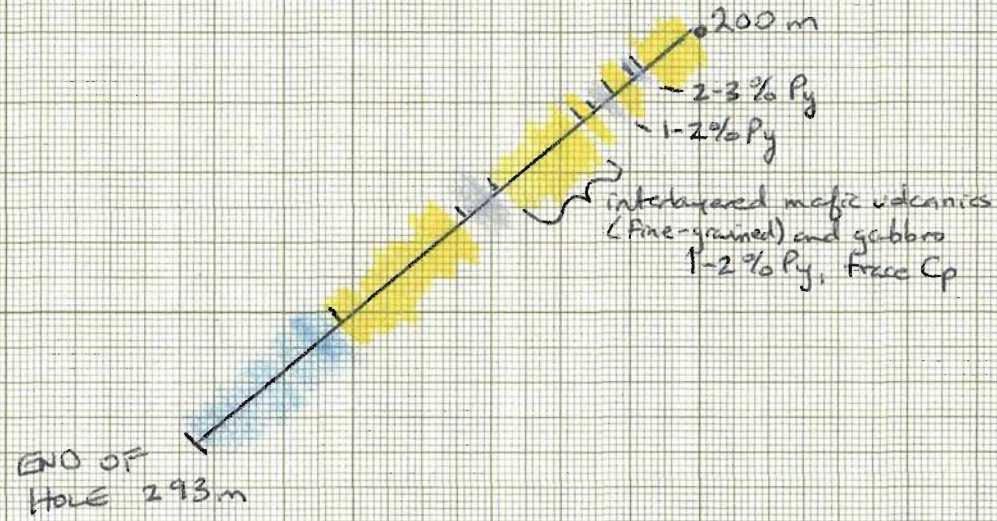
241.9-293.0: Gabbro

- Initially gabbro but changes between diorite and granodiorite after 266.5
- Fault zone with gouge 265.90-266.5, un-mineralized fine grained dark green
- Trace-1%pyrite from 241.9 to 260, then nil for balance of hole.
- Becomes non-magnetic after 266.5, unaltered med-coarse grained.

293.0 End of Hole

DDH MR10-10 Extended COLLAR UTM E 442386, N 5265183 (NAD83) 1 cm : 10 m

-45°, 270 Az



ASSAYS

Report: A10-9490
Report Date: 1/25/2011

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2000	< 5	< 0.2	0.8	117	613	< 1	45	< 2	49	2.52	3	< 10	14	< 0.5	< 2	2.68	30	61	4.88
2001	< 5	< 0.2	0.9	113	585	< 1	52	< 2	50	2.46	< 2	< 10	13	< 0.5	< 2	2.38	32	72	4.93
2002	< 5	< 0.2	0.7	126	537	< 1	48	< 2	44	2.36	2	< 10	13	< 0.5	< 2	2.42	30	64	4.58
2003	< 5	< 0.2	0.8	258	570	< 1	99	< 2	43	2.21	< 2	< 10	15	< 0.5	< 2	2.37	34	71	4.51
2004	< 5	< 0.2	0.7	188	511	< 1	80	< 2	41	2.62	< 2	< 10	14	< 0.5	< 2	2.27	29	89	3.92
2005	< 5	< 0.2	0.6	501	423	< 1	131	< 2	39	2.94	< 2	< 10	13	< 0.5	< 2	2.27	28	72	3.43
2006	< 5	< 0.2	0.5	174	379	< 1	76	< 2	33	3.82	< 2	< 10	14	< 0.5	< 2	2.75	22	61	2.92
2007	< 5	< 0.2	< 0.5	165	455	< 1	81	< 2	31	2.57	< 2	< 10	12	< 0.5	< 2	2.44	25	68	3.2
2008	< 5	< 0.2	< 0.5	162	380	< 1	65	< 2	29	2.58	< 2	< 10	13	< 0.5	< 2	2.43	22	68	2.81
2009	< 5	< 0.2	0.6	255	374	< 1	73	< 2	29	2.37	< 2	< 10	17	< 0.5	< 2	2.41	24	60	2.89
2010	< 5	< 0.2	0.7	261	542	< 1	99	< 2	41	2.4	< 2	< 10	15	< 0.5	< 2	2.21	41	63	4.5
2011	< 5	< 0.2	0.6	149	411	< 1	67	< 2	32	1.92	< 2	< 10	39	< 0.5	< 2	1.76	26	44	3.34
2012	< 5	< 0.2	< 0.5	104	426	< 1	52	< 2	28	1.82	< 2	< 10	16	< 0.5	< 2	2.62	24	53	3
2013	< 5	< 0.2	0.5	9	349	< 1	45	< 2	25	1.47	< 2	< 10	< 10	< 0.5	< 2	1.81	20	66	2.8
2014	< 5	< 0.2	< 0.5	8	291	< 1	42	< 2	19	1.56	< 2	< 10	11	< 0.5	< 2	2.5	15	60	2.06
2015	< 5	< 0.2	0.6	476	569	< 1	82	< 2	34	2.55	< 2	< 10	15	< 0.5	< 2	4.52	27	67	3.46
2016	< 5	< 0.2	0.5	180	461	< 1	76	< 2	36	2.94	< 2	< 10	15	< 0.5	< 2	2.89	28	55	3.73
2017	< 5	< 0.2	0.7	128	520	< 1	56	< 2	32	2.55	3	< 10	13	< 0.5	< 2	2.85	29	59	4.3
2018	< 5	< 0.2	0.7	515	529	< 1	85	< 2	38	2.42	3	< 10	11	< 0.5	< 2	2.12	39	52	4.08
2019	< 5	< 0.2	0.6	298	452	< 1	75	< 2	31	2.45	< 2	< 10	13	< 0.5	< 2	2.66	32	45	3.55
2020	< 5	< 0.2	0.5	208	401	< 1	55	< 2	33	3.03	< 2	< 10	15	< 0.5	< 2	2.66	25	32	3.4
2021	< 5	< 0.2	0.7	278	374	< 1	65	< 2	29	2.69	< 2	< 10	17	< 0.5	< 2	2.75	25	32	3.12
2022	< 5	< 0.2	0.9	307	528	< 1	100	< 2	38	2.66	< 2	< 10	27	< 0.5	< 2	2.76	36	48	5.18
2023	< 5	< 0.2	0.6	446	407	< 1	111	< 2	35	3.2	4	< 10	15	< 0.5	< 2	2.81	28	41	3.56
2024	< 5	< 0.2	1.1	164	706	< 1	106	< 2	49	2.87	< 2	< 10	14	< 0.5	< 2	3.76	35	75	5.15
2025	< 5	< 0.2	0.6	442	403	< 1	87	< 2	31	2.84	< 2	< 10	12	< 0.5	< 2	2.6	28	44	3.29
2026	< 5	< 0.2	0.6	217	383	< 1	70	< 2	29	3.6	< 2	< 10	14	< 0.5	< 2	2.98	25	46	3.12
2027	< 5	< 0.2	0.6	389	400	< 1	87	< 2	32	3.69	< 2	< 10	15	< 0.5	< 2	2.99	29	44	3.4
2028	< 5	< 0.2	0.6	299	441	< 1	74	< 2	34	3.19	< 2	< 10	18	< 0.5	< 2	2.77	28	37	3.83
2029	< 5	< 0.2	0.6	198	448	< 1	60	< 2	35	3.76	< 2	< 10	16	< 0.5	< 2	2.9	26	41	3.95
2030	< 5	< 0.2	0.6	356	410	< 1	86	< 2	34	2.81	< 2	< 10	14	< 0.5	< 2	2.6	31	49	3.56
2031	< 5	< 0.2	0.6	142	472	< 1	64	< 2	39	3	4	< 10	13	< 0.5	< 2	2.15	29	38	4.16
2032	< 5	< 0.2	0.6	186	455	< 1	73	< 2	35	3.02	< 2	< 10	14	< 0.5	< 2	2.59	27	53	3.94
2033	< 5	< 0.2	0.6	153	410	< 1	51	< 2	29	3.27	< 2	< 10	17	< 0.5	< 2	2.85	21	37	3.43
2034	< 5	< 0.2	0.7	225	525	< 1	72	< 2	41	3.26	2	< 10	13	< 0.5	< 2	2.39	32	45	4.56
2035	< 5	< 0.2	0.6	225	414	< 1	54	< 2	30	2.57	< 2	< 10	14	< 0.5	< 2	2.64	23	47	3.22
2036	< 5	< 0.2	0.6	209	448	< 1	62	< 2	33	2.76	< 2	< 10	15	< 0.5	< 2	2.73	27	52	3.63
2037	< 5	< 0.2	0.5	286	447	< 1	84	< 2	32	2.81	< 2	< 10	17	< 0.5	< 2	2.63	34	73	3.64
2038	< 5	< 0.2	1	160	433	< 1	16	< 2	63	2.36	< 2	< 10	40	< 0.5	< 2	2.46	22	14	5.55
2039	< 5	< 0.2	1.1	157	447	< 1	19	< 2	55	2.45	< 2	11	39	< 0.5	< 2	2.49	23	15	5.48
2040	< 5	< 0.2	0.8	143	615	< 1	90	< 2	49	3.12	< 2	< 10	15	< 0.5	< 2	2.06	36	62	5.3
2041	< 5	< 0.2	0.6	113	528	< 1	73	< 2	41	3.01	3	< 10	13	< 0.5	< 2	2.55	31	58	4.51
2042	< 5	< 0.2	0.6	146	410	< 1	53	< 2	29	2.9	< 2	< 10	16	< 0.5	< 2	2.66	24	44	3.26
2043	< 5	< 0.2	0.6	137	617	< 1	63	< 2	40	2.68	< 2	< 10	12	< 0.5	< 2	2.95	32	91	4.88
2044	< 5	< 0.2	0.6	166	415	< 1	59	< 2	34	3.53	3	< 10	16	< 0.5	< 2	2.62	26	31	3.55
2045	< 5	< 0.2	< 0.5	128	345	< 1	46	< 2	25	3.32	< 2	< 10	18	< 0.5	< 2	2.95	21	38	2.92
2046	< 5	< 0.2	0.5	141	315	< 1	45	< 2	27	3.58	< 2	< 10	19	< 0.5	< 2	3.05	19	35	2.62
2047	< 5	< 0.2	0.7	294	488	< 1	88	< 2	39	2.83	4	< 10	18	< 0.5	< 2	2.19	35	64	4.31

Report: A10-9490
Report Date: 1/25/2011

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2048	< 5	< 0.2	0.6	146	398	< 1	63	< 2	28	2.31	< 2	< 10	22	< 0.5	< 2	2.41	25	49	3.14
2049	< 5	< 0.2	0.6	79	372	< 1	44	< 2	30	2.86	< 2	< 10	19	< 0.5	< 2	3.16	20	42	2.89
2050	< 5	< 0.2	< 0.5	136	368	< 1	57	< 2	28	3.17	< 2	< 10	26	< 0.5	< 2	2.74	24	42	3.22
2051	< 5	< 0.2	0.7	121	360	< 1	75	< 2	48	3.03	2	< 10	28	< 0.5	< 2	2.71	27	48	3.07
2052	< 5	< 0.2	0.6	211	474	< 1	109	< 2	34	2.77	< 2	< 10	21	< 0.5	< 2	2.48	36	68	4.2
2053	< 5	< 0.2	0.6	83	464	< 1	63	< 2	35	2.87	< 2	< 10	28	< 0.5	< 2	2.75	26	50	3.73
2054	< 5	0.2	0.8	992	353	< 1	204	< 2	25	0.75	< 2	< 10	17	< 0.5	< 2	1.72	54	85	3.93
2055	< 5	< 0.2	0.6	115	405	< 1	58	< 2	35	2.87	< 2	< 10	31	< 0.5	< 2	2.1	26	47	3.56
2056	< 5	< 0.2	0.6	144	424	< 1	84	< 2	33	2.31	< 2	< 10	68	< 0.5	< 2	2.25	26	180	3.3
2057	< 5	< 0.2	0.8	71	556	< 1	71	< 2	46	3.4	< 2	< 10	25	< 0.5	< 2	2.27	33	49	4.78
2058	< 5	< 0.2	0.7	86	638	< 1	66	< 2	44	3.33	< 2	< 10	22	< 0.5	< 2	3.68	31	48	4.78
2059	< 5	< 0.2	1.1	58	893	< 1	85	< 2	51	3.23	< 2	< 10	15	< 0.5	< 2	4.82	33	69	6.02
2060	< 5	< 0.2	0.6	154	725	< 1	80	< 2	50	3.16	< 2	< 10	35	< 0.5	< 2	3.67	34	56	5.23
2061	< 5	< 0.2	0.7	103	470	< 1	70	< 2	34	3.33	< 2	< 10	31	< 0.5	< 2	2.92	28	36	4.11
2062	< 5	< 0.2	0.8	181	531	< 1	56	< 2	35	2.31	< 2	< 10	31	< 0.5	< 2	2.44	32	31	4.69
2063	< 5	< 0.2	0.7	84	437	< 1	55	< 2	33	3.62	2	< 10	20	< 0.5	< 2	2.83	25	31	3.83
2064	< 5	< 0.2	0.7	119	479	< 1	72	< 2	39	3.68	2	< 10	14	< 0.5	< 2	2.36	31	33	4.48
2065	< 5	< 0.2	0.6	122	479	< 1	72	< 2	34	3.43	< 2	< 10	19	< 0.5	< 2	2.81	31	43	4.09
2066	< 5	< 0.2	0.5	89	394	< 1	49	< 2	29	3.18	< 2	< 10	21	< 0.5	< 2	2.77	23	31	3.28
2067	< 5	< 0.2	0.6	102	410	< 1	58	< 2	30	3.68	< 2	< 10	20	< 0.5	< 2	3.09	24	42	3.49
2068	< 5	< 0.2	< 0.5	92	360	< 1	53	< 2	27	2.99	2	< 10	22	< 0.5	< 2	2.78	22	37	2.95
2069	< 5	< 0.2	0.5	78	471	< 1	67	< 2	36	3.19	< 2	< 10	18	< 0.5	< 2	2.03	29	45	4.2
2070	< 5	< 0.2	0.8	114	545	< 1	81	< 2	43	3.09	2	< 10	16	< 0.5	< 2	1.68	35	48	4.98
2071	< 5	< 0.2	< 0.5	116	379	< 1	58	< 2	25	3.03	< 2	< 10	23	< 0.5	< 2	2.69	24	50	3.13
2072	< 5	< 0.2	0.6	165	393	< 1	65	< 2	27	2.15	< 2	< 10	15	< 0.5	< 2	2.07	28	80	3.22
2073	< 5	< 0.2	0.6	105	419	< 1	59	< 2	28	2.13	< 2	< 10	18	< 0.5	< 2	2.34	25	69	3.27
2074	12	< 0.2	0.7	49	407	< 1	52	< 2	29	1.97	5	< 10	18	< 0.5	< 2	2.18	25	63	3
2075	< 5	< 0.2	0.5	67	369	< 1	58	< 2	25	2.34	< 2	< 10	25	< 0.5	< 2	2.27	22	57	2.97
2076	< 5	< 0.2	< 0.5	219	393	< 1	105	< 2	28	2.09	< 2	< 10	26	< 0.5	< 2	2.1	31	77	3.38
2077	< 5	< 0.2	0.9	446	421	< 1	215	< 2	32	2.69	2	< 10	27	< 0.5	< 2	2.11	40	83	4.09
2078	< 5	0.2	0.7	706	423	< 1	319	< 2	37	2.17	< 2	< 10	23	< 0.5	< 2	1.61	50	85	4.29
2079	10	0.3	1	1510	469	< 1	261	< 2	43	1.66	< 2	< 10	19	< 0.5	< 2	1.52	54	103	4.71
2080	< 5	< 0.2	0.8	329	583	< 1	261	< 2	49	2.8	4	< 10	17	< 0.5	< 2	1.29	54	67	5.55
2081	< 5	< 0.2	1	231	728	< 1	228	< 2	53	3.12	< 2	< 10	16	< 0.5	< 2	2.59	51	128	6.54
2082	< 5	< 0.2	0.6	120	525	< 1	153	< 2	42	2.51	< 2	< 10	15	< 0.5	< 2	1.5	41	67	4.59
2083	< 5	< 0.2	0.8	109	640	< 1	169	< 2	50	2.78	< 2	< 10	15	< 0.5	< 2	1.45	47	80	5.56
2084	< 5	< 0.2	0.8	125	617	< 1	58	< 2	37	2.21	3	< 10	10	< 0.5	< 2	2.42	34	66	5.07
2085	< 5	< 0.2	0.6	170	570	< 1	36	< 2	32	2.02	< 2	< 10	11	< 0.5	< 2	2.46	29	48	4.47
2086	< 5	< 0.2	0.8	145	651	< 1	37	< 2	35	2.27	< 2	< 10	14	< 0.5	< 2	2.8	32	51	5.07
2087	< 5	< 0.2	0.7	179	536	< 1	187	< 2	41	1.9	< 2	< 10	14	< 0.5	< 2	1.04	43	87	4.61
2088	< 5	< 0.2	0.8	180	540	< 1	169	< 2	40	2.4	< 2	< 10	24	< 0.5	< 2	1.4	48	76	4.97
2089	< 5	< 0.2	0.9	76	566	< 1	128	< 2	46	2.9	< 2	< 10	33	< 0.5	< 2	1.79	40	67	4.96
2090	< 5	< 0.2	0.7	115	500	< 1	108	< 2	40	3.01	< 2	< 10	36	< 0.5	< 2	2.01	35	80	4.43
2091	< 5	< 0.2	1	105	663	< 1	101	< 2	53	3.4	< 2	< 10	18	< 0.5	< 2	2.25	41	120	5.96
2092	< 5	< 0.2	0.7	98	469	< 1	81	< 2	38	2.76	< 2	< 10	30	< 0.5	< 2	1.8	32	71	4.22
2093	< 5	< 0.2	0.6	127	448	< 1	87	< 2	36	2.4	< 2	< 10	17	< 0.5	< 2	2	33	102	3.94
2094	< 5	< 0.2	0.8	196	465	< 1	105	< 2	36	3.02	< 2	< 10	35	< 0.5	< 2	2.29	41	115	4.4
2095	< 5	< 0.2	1	247	526	< 1	109	< 2	46	2.71	2	< 10	34	< 0.5	< 2	1.97	40	78	5.06

Report: A10-9490
Report Date: 1/25/2011

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2096	< 5	< 0.2	0.7	128	413	< 1	80	< 2	34	2.74	< 2	< 10	33	< 0.5	< 2	2.21	29	71	3.98
2097	< 5	< 0.2	0.6	199	480	< 1	111	< 2	42	2.93	3	< 10	24	< 0.5	< 2	1.99	34	83	4.52
2098	5	< 0.2	< 0.5	282	583	< 1	121	< 2	49	3.82	< 2	< 10	42	< 0.5	< 2	2.37	39	89	5.34
2099	< 5	< 0.2	< 0.5	154	531	< 1	97	< 2	45	3.57	< 2	< 10	36	< 0.5	< 2	2.28	34	64	4.64
2100	< 5	< 0.2	0.8	183	479	< 1	81	< 2	35	2.29	2	< 10	29	< 0.5	< 2	1.97	32	149	4.24
2101	< 5	< 0.2	0.8	145	516	< 1	81	< 2	38	2.78	< 2	< 10	32	< 0.5	< 2	2.29	32	91	4.44
2102	< 5	< 0.2	0.7	182	395	< 1	110	< 2	29	1.96	2	< 10	25	< 0.5	< 2	1.82	33	110	3.41
2103	< 5	< 0.2	0.6	167	411	< 1	100	< 2	30	2.18	< 2	< 10	71	< 0.5	< 2	1.84	31	177	3.65
2104	< 5	< 0.2	0.7	152	384	< 1	80	< 2	32	2.2	< 2	< 10	30	< 0.5	< 2	1.82	32	52	3.93
2105	< 5	< 0.2	0.5	445	334	< 1	89	< 2	32	1.94	2	< 10	79	< 0.5	< 2	1.37	24	57	3.05
2106	< 5	< 0.2	0.6	247	394	< 1	65	< 2	32	2.56	< 2	< 10	48	< 0.5	< 2	2.09	24	36	3.38
2107	< 5	< 0.2	0.7	132	590	< 1	87	< 2	41	2.63	< 2	< 10	25	< 0.5	< 2	2.9	31	57	4.73
2108	5	0.3	0.9	687	545	< 1	189	< 2	50	2.85	< 2	< 10	16	< 0.5	< 2	2.06	43	54	4.85
2109	< 5	< 0.2	0.7	94	469	< 1	68	< 2	64	2.19	< 2	< 10	22	< 0.5	< 2	1.93	27	39	3.76
2110	< 5	0.2	0.9	407	484	< 1	173	< 2	87	2.21	< 2	< 10	11	< 0.5	< 2	1.48	52	47	4.54
2111	< 5	< 0.2	0.6	241	384	< 1	95	< 2	49	2.38	< 2	< 10	29	< 0.5	< 2	1.97	29	45	3.17
2112	< 5	< 0.2	< 0.5	71	306	< 1	46	< 2	23	2.12	< 2	< 10	40	< 0.5	< 2	2.17	20	46	2.41
2113	< 5	< 0.2	< 0.5	90	289	< 1	42	< 2	24	1.93	< 2	< 10	32	< 0.5	< 2	3.13	16	60	2.16
2114	< 5	< 0.2	< 0.5	111	236	< 1	43	< 2	23	1.76	< 2	< 10	34	< 0.5	< 2	1.83	17	44	1.8
2115	< 5	< 0.2	< 0.5	65	295	< 1	50	< 2	26	1.74	< 2	< 10	29	< 0.5	< 2	1.14	20	58	2.43
2116	< 5	< 0.2	< 0.5	98	303	< 1	58	< 2	25	1.5	< 2	< 10	27	< 0.5	< 2	1.88	19	67	2.24
2117	< 5	< 0.2	< 0.5	131	383	< 1	102	< 2	29	2.29	< 2	< 10	28	< 0.5	< 2	1.83	30	66	3.31
2118	< 5	< 0.2	0.8	252	499	< 1	230	< 2	50	2.33	2	< 10	14	< 0.5	< 2	0.87	50	54	5.01
2119	< 5	< 0.2	< 0.5	24	291	< 1	50	< 2	24	1.48	< 2	< 10	30	< 0.5	< 2	1.14	19	55	2.42
2155	< 5	< 0.2	1	163	352	< 1	25	< 2	38	2.4	< 2	< 10	43	< 0.5	< 2	2.2	26	10	5.14
2156	< 5	< 0.2	0.9	169	345	< 1	24	< 2	38	2.42	< 2	< 10	41	< 0.5	< 2	2.2	25	10	5.14
2157	< 5	< 0.2	0.8	172	366	< 1	26	< 2	39	2.55	3	< 10	49	< 0.5	< 2	2.39	24	11	5.28
2158	< 5	< 0.2	1.1	166	356	< 1	25	< 2	52	2.65	< 2	< 10	49	< 0.5	< 2	2.4	25	10	4.96
2159	< 5	< 0.2	1.1	168	409	< 1	26	< 2	64	2.72	< 2	< 10	46	< 0.5	< 2	2.47	27	11	5.27
2160	< 5	< 0.2	1	172	380	< 1	47	< 2	56	2.77	3	< 10	40	< 0.5	< 2	2.37	26	33	4.69
2161	< 5	< 0.2	1.1	237	437	< 1	114	< 2	40	3.69	< 2	< 10	29	< 0.5	< 2	2.71	29	147	4.23
2162	< 5	< 0.2	0.9	451	390	< 1	177	< 2	29	3.64	< 2	< 10	30	< 0.5	< 2	2.72	34	54	3.87
2163	< 5	< 0.2	0.8	278	382	< 1	128	< 2	28	4.32	< 2	12	31	< 0.5	< 2	3.39	26	96	3.49
2164	< 5	< 0.2	0.6	275	310	< 1	137	< 2	22	4.39	< 2	< 10	29	< 0.5	< 2	3.62	23	120	3.04
2165	< 5	< 0.2	0.7	297	355	< 1	145	< 2	31	3.27	< 2	< 10	24	< 0.5	< 2	2.65	28	136	3.69
2166	< 5	< 0.2	1	85	441	< 1	99	< 2	50	3.71	< 2	< 10	49	< 0.5	< 2	1.17	30	98	5.26
2167	< 5	< 0.2	0.7	105	340	< 1	101	< 2	31	4.07	2	< 10	29	< 0.5	< 2	3.1	25	101	3.42
2168	< 5	< 0.2	0.6	108	284	< 1	94	< 2	30	4.81	2	< 10	27	< 0.5	< 2	3.65	24	89	3.13
2169	< 5	< 0.2	0.5	119	323	< 1	88	< 2	32	4.13	< 2	< 10	24	< 0.5	< 2	3.31	25	81	3.28
2170	< 5	< 0.2	0.6	144	351	< 1	101	< 2	38	3.26	< 2	< 10	21	< 0.5	< 2	2.43	29	94	3.49
2171	< 5	< 0.2	0.5	145	284	< 1	91	< 2	33	3.61	< 2	< 10	19	< 0.5	< 2	2.76	26	99	3.26
2172	< 5	< 0.2	< 0.5	168	270	< 1	96	< 2	28	3.97	< 2	< 10	20	< 0.5	< 2	3.13	27	110	3.17
2173	< 5	< 0.2	0.6	153	294	< 1	82	< 2	33	3.98	< 2	< 10	28	< 0.5	< 2	2.73	27	93	3.9
2174	< 5	< 0.2	< 0.5	164	341	< 1	84	< 2	31	4.05	4	< 10	32	< 0.5	< 2	2.42	29	89	4.19
2175	< 5	< 0.2	< 0.5	115	279	< 1	67	< 2	20	3.81	< 2	< 10	20	< 0.5	< 2	3.19	23	114	2.9
2176	< 5	< 0.2	< 0.5	151	266	< 1	74	< 2	21	4.12	4	< 10	18	< 0.5	< 2	3.27	24	122	3.3
2177	< 5	< 0.2	< 0.5	112	239	< 1	63	< 2	23	4.74	< 2	< 10	20	< 0.5	< 2	3.74	21	100	2.92
2178	< 5	< 0.2	< 0.5	150	306	< 1	73	< 2	26	4.29	< 2	< 10	20	< 0.5	< 2	3.25	25	100	3.25

Report: A10-9490
Report Date: 1/25/2011

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2179	< 5	< 0.2	0.5	154	254	< 1	74	< 2	21	4.23	< 2	< 10	24	< 0.5	< 2	3.07	26	99	3.35
2180	< 5	< 0.2	< 0.5	179	332	< 1	78	< 2	26	4.31	< 2	< 10	25	< 0.5	< 2	3.1	27	111	3.65
2181	< 5	< 0.2	0.5	100	378	< 1	88	< 2	31	3.51	4	21	22	< 0.5	< 2	2.53	29	115	3.86
2182	< 5	< 0.2	0.6	239	366	< 1	108	< 2	34	3.57	< 2	< 10	20	< 0.5	< 2	2.27	33	103	4
2183	< 5	< 0.2	0.6	205	339	< 1	96	< 2	28	3.17	< 2	< 10	26	< 0.5	< 2	2.33	29	181	3.67
2184	< 5	< 0.2	0.5	233	338	< 1	103	< 2	27	2.9	< 2	< 10	27	< 0.5	< 2	2.29	30	216	3.63
2185	< 5	< 0.2	0.5	213	387	< 1	108	< 2	31	3.07	< 2	< 10	20	< 0.5	< 2	2.32	32	218	3.92
2186	< 5	< 0.2	0.5	173	345	< 1	91	< 2	27	3.72	< 2	< 10	23	< 0.5	< 2	2.78	27	128	3.39
2187	< 5	< 0.2	0.5	77	347	< 1	48	< 2	27	2.8	< 2	< 10	46	< 0.5	< 2	2.55	19	75	2.94
2188	< 5	< 0.2	0.7	98	450	< 1	62	< 2	31	2.53	< 2	< 10	29	< 0.5	< 2	2.71	23	44	3.53
2189	< 5	< 0.2	0.8	23	500	< 1	75	< 2	57	2.64	< 2	< 10	12	< 0.5	< 2	1.27	36	78	4.91
2190	< 5	< 0.2	0.5	52	379	< 1	39	< 2	34	1.8	< 2	< 10	53	< 0.5	< 2	1.79	20	51	3.13
2191	< 5	< 0.2	< 0.5	116	325	< 1	53	< 2	25	4.05	3	13	31	< 0.5	< 2	3.45	20	108	2.93
2192	< 5	< 0.2	< 0.5	111	277	< 1	48	< 2	21	4.03	< 2	13	33	< 0.5	< 2	3.49	17	102	2.36
2193	< 5	< 0.2	0.5	168	364	< 1	77	< 2	24	2.44	< 2	< 10	17	< 0.5	< 2	2.56	26	288	3.23
2194	< 5	< 0.2	0.6	233	433	< 1	96	< 2	30	2.06	< 2	< 10	19	< 0.5	< 2	2.06	31	374	3.78
2195	< 5	< 0.2	0.6	226	354	< 1	94	< 2	23	1.99	< 2	< 10	16	< 0.5	< 2	2.22	27	330	3.52
2196	< 5	< 0.2	0.6	345	352	< 1	127	< 2	21	2.15	< 2	< 10	13	< 0.5	< 2	2.32	32	368	3.93
2197	< 5	< 0.2	0.6	199	355	< 1	93	< 2	23	3.28	< 2	< 10	18	< 0.5	< 2	3.08	26	222	3.52
2198	< 5	< 0.2	0.6	130	443	< 1	83	< 2	31	3.56	< 2	< 10	17	< 0.5	< 2	3.28	27	199	4.06
2199	< 5	< 0.2	0.6	138	468	< 1	83	< 2	34	4.07	< 2	< 10	16	< 0.5	< 2	2.72	31	159	4.47
2200	< 5	< 0.2	0.7	198	471	< 1	85	< 2	32	3.53	< 2	< 10	19	< 0.5	< 2	2.69	31	189	4.3
2201	< 5	< 0.2	0.6	157	508	< 1	87	< 2	40	4.19	< 2	< 10	17	< 0.5	< 2	2.9	31	115	4.49
2202	< 5	< 0.2	0.5	127	456	< 1	74	< 2	33	4.38	< 2	< 10	19	< 0.5	< 2	3.15	28	96	3.99
2203	< 5	< 0.2	0.6	157	430	< 1	79	< 2	37	4.43	2	< 10	19	< 0.5	< 2	2.99	29	92	4.07
2204	< 5	< 0.2	0.7	129	404	< 1	75	< 2	33	4.65	< 2	< 10	18	< 0.5	< 2	3.37	27	101	3.54
2205	< 5	< 0.2	0.5	159	424	< 1	75	< 2	31	4.51	< 2	< 10	22	< 0.5	< 2	3.46	26	110	3.71
2206	< 5	< 0.2	0.5	190	409	< 1	89	< 2	31	4.68	< 2	< 10	18	< 0.5	< 2	3.32	29	109	3.79
2207	< 5	< 0.2	0.7	204	386	< 1	91	< 2	31	3.83	< 2	< 10	14	< 0.5	< 2	2.45	31	108	3.65
2208	< 5	< 0.2	0.6	235	388	< 1	100	< 2	29	3.51	< 2	< 10	16	< 0.5	< 2	2.6	33	161	3.59
2209	< 5	< 0.2	0.7	240	370	< 1	97	< 2	31	3.15	3	< 10	16	< 0.5	< 2	2.45	32	213	3.67
2210	< 5	< 0.2	0.6	265	433	< 1	111	< 2	32	2.95	< 2	< 10	14	< 0.5	< 2	2.52	32	213	3.7
2211	< 5	< 0.2	< 0.5	302	344	< 1	90	< 2	28	4.2	< 2	< 10	19	< 0.5	< 2	3.18	28	108	3.24
2212	< 5	< 0.2	0.6	127	363	< 1	69	< 2	27	4.11	2	< 10	29	< 0.5	< 2	3.94	21	129	3.1
2213	< 5	< 0.2	< 0.5	118	293	< 1	51	< 2	20	4.84	< 2	< 10	31	< 0.5	< 2	4.01	18	83	2.53
2214	< 5	< 0.2	< 0.5	176	305	< 1	54	< 2	20	4.84	2	< 10	26	< 0.5	< 2	4.07	18	86	2.45
2215	< 5	< 0.2	< 0.5	129	344	< 1	50	< 2	24	4.67	< 2	11	24	< 0.5	< 2	3.46	21	83	3.11
2216	< 5	< 0.2	0.6	99	351	< 1	54	< 2	24	3.88	< 2	< 10	24	< 0.5	< 2	3.17	22	159	3.18
2217	< 5	< 0.2	< 0.5	110	293	< 1	53	< 2	24	4.91	3	12	29	< 0.5	< 2	3.91	20	130	2.82
2218	< 5	< 0.2	0.6	145	306	< 1	76	< 2	22	2.63	< 2	< 10	24	< 0.5	< 2	2.43	24	299	3.44
2219	< 5	< 0.2	0.6	155	346	< 1	91	< 2	24	2.28	< 2	< 10	19	< 0.5	< 2	2.34	30	365	3.97
2220	< 5	< 0.2	0.7	180	326	< 1	90	< 2	22	2.12	< 2	< 10	20	< 0.5	< 2	2.2	29	323	3.61
2221	< 5	< 0.2	0.6	38	284	< 1	23	< 2	27	1.41	4	< 10	48	< 0.5	< 2	1.53	15	37	2.59
2222	< 5	< 0.2	0.6	273	384	< 1	107	< 2	24	3.09	3	< 10	25	< 0.5	< 2	3.26	30	268	3.8
2223	< 5	< 0.2	< 0.5	178	357	< 1	67	< 2	26	4.88	3	12	31	< 0.5	< 2	4.14	21	140	3.07
2224	< 5	< 0.2	0.7	124	447	< 1	78	< 2	32	4	< 2	< 10	19	< 0.5	< 2	3.1	29	174	4.34
2225	< 5	< 0.2	0.9	215	466	< 1	101	< 2	35	3.71	< 2	< 10	17	< 0.5	< 2	2.77	34	180	4.73
2226	< 5	< 0.2	0.9	253	525	< 1	148	< 2	46	3.68	< 2	< 10	15	< 0.5	< 2	2.14	47	184	5.93

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2227	< 5	< 0.2	0.8	218	515	< 1	111	< 2	43	3.87	3	< 10	17	< 0.5	< 2	2.4	40	163	5.61
2228	< 5	< 0.2	1.1	180	439	< 1	93	< 2	43	3.94	< 2	< 10	14	< 0.5	< 2	2.27	37	100	4.85
2229	< 5	< 0.2	0.9	282	473	< 1	140	< 2	53	4.07	< 2	< 10	16	< 0.5	< 2	2.09	44	203	5.76
2230	< 5	< 0.2	0.6	226	379	< 1	85	< 2	31	4.43	< 2	< 10	21	< 0.5	< 2	3.55	28	97	3.73
2231	< 5	< 0.2	1	209	509	< 1	118	< 2	55	4.85	4	< 10	17	< 0.5	< 2	2.51	36	146	5.58
2232	< 5	< 0.2	0.6	187	424	< 1	90	< 2	36	4.48	< 2	< 10	21	< 0.5	< 2	3.62	28	115	4.02
2233	< 5	< 0.2	0.6	157	387	< 1	72	< 2	29	4.13	< 2	< 10	22	< 0.5	< 2	3.71	24	106	3.43
2234	< 5	< 0.2	0.6	213	426	< 1	104	< 2	35	4.25	< 2	< 10	20	< 0.5	< 2	3.33	30	103	4.04
2235	< 5	< 0.2	0.8	337	436	< 1	117	< 2	38	4.99	3	< 10	22	< 0.5	< 2	3.78	34	98	4.48
2236	< 5	< 0.2	0.5	95	332	< 1	50	< 2	24	5.4	< 2	12	34	< 0.5	< 2	4.53	20	54	2.95
2237	< 5	< 0.2	0.6	84	311	< 1	47	< 2	25	5.06	3	13	34	< 0.5	< 2	4.45	19	59	2.76
2238	< 5	< 0.2	< 0.5	43	317	< 1	36	< 2	25	3.77	< 2	13	58	< 0.5	< 2	3.67	17	57	2.69
2239	< 5	< 0.2	0.6	53	330	< 1	42	< 2	28	3.85	< 2	< 10	66	< 0.5	< 2	3.62	19	62	2.81
2240	< 5	< 0.2	< 0.5	65	318	< 1	29	< 2	25	2.69	< 2	< 10	78	< 0.5	< 2	2.57	17	47	2.8
2241	< 5	< 0.2	0.5	43	358	< 1	24	< 2	30	1.89	< 2	< 10	109	< 0.5	< 2	1.91	17	27	2.91
2242	< 5	< 0.2	0.6	14	377	< 1	26	< 2	30	1.83	< 2	< 10	97	< 0.5	< 2	1.99	15	34	2.79
2243	< 5	< 0.2	< 0.5	29	286	< 1	16	< 2	27	1.48	< 2	< 10	220	< 0.5	< 2	1.27	13	23	2.59
2244	< 5	< 0.2	< 0.5	30	270	< 1	15	< 2	25	1.49	< 2	< 10	220	< 0.5	< 2	1.26	12	23	2.55
2245	< 5	< 0.2	0.5	286	434	< 1	100	< 2	34	3.52	< 2	< 10	51	< 0.5	< 2	3.35	30	95	3.64
2246	< 5	< 0.2	0.5	110	414	< 1	63	< 2	31	3.87	< 2	< 10	37	< 0.5	< 2	3.23	24	79	3.5
2247	< 5	< 0.2	0.6	304	359	< 1	55	< 2	33	3.2	< 2	< 10	32	< 0.5	< 2	3.1	24	82	2.92

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2000	< 10	< 1	0.06	< 10	1.67	0.336	0.034	0.13	< 2	13	25	0.26	2	< 2	< 10	134	< 10	9	7
2001	< 10	< 1	0.05	< 10	1.8	0.266	0.034	0.13	< 2	12	22	0.26	< 1	< 2	< 10	132	< 10	8	7
2002	< 10	< 1	0.06	< 10	1.58	0.304	0.034	0.14	< 2	10	23	0.23	< 1	< 2	< 10	119	< 10	7	7
2003	< 10	1	0.04	< 10	1.93	0.198	0.009	0.17	< 2	11	18	0.15	< 1	< 2	< 10	94	< 10	20	6
2004	< 10	< 1	0.03	< 10	2.08	0.186	0.001	0.07	< 2	5	22	0.16	< 1	< 2	< 10	85	< 10	3	1
2005	< 10	< 1	0.03	< 10	1.87	0.279	0.002	0.14	< 2	4	31	0.12	< 1	< 2	< 10	62	< 10	2	2
2006	< 10	< 1	0.02	< 10	1.93	0.434	0.002	0.05	< 2	4	43	0.07	3	< 2	< 10	40	< 10	1	< 1
2007	< 10	< 1	0.02	< 10	1.88	0.226	0.002	0.08	< 2	6	28	0.19	< 1	< 2	< 10	82	< 10	4	2
2008	< 10	< 1	0.02	< 10	1.65	0.247	0.002	0.06	< 2	5	30	0.11	< 1	< 2	< 10	58	< 10	3	1
2009	< 10	< 1	0.03	< 10	1.44	0.252	0.003	0.11	< 2	6	33	0.15	< 1	< 2	< 10	67	< 10	3	2
2010	< 10	< 1	0.03	< 10	2.11	0.168	0.008	0.21	< 2	5	21	0.28	< 1	< 2	< 10	180	< 10	3	3
2011	< 10	< 1	0.06	12	1.43	0.2	0.016	0.08	< 2	6	22	0.23	1	< 2	< 10	127	< 10	7	8
2012	< 10	< 1	0.03	10	1.41	0.186	0.017	0.08	< 2	7	26	0.27	< 1	< 2	< 10	100	< 10	9	7
2013	< 10	< 1	0.02	12	1.49	0.116	0.026	0.02	< 2	6	17	0.19	< 1	< 2	< 10	67	< 10	6	6
2014	< 10	< 1	0.01	< 10	1.2	0.166	0.02	0.02	< 2	5	28	0.25	4	< 2	< 10	62	< 10	6	4
2015	< 10	< 1	0.03	< 10	1.99	0.227	0.008	0.12	< 2	6	31	0.14	< 1	< 2	< 10	76	< 10	3	2
2016	< 10	< 1	0.03	< 10	1.98	0.324	0.005	0.09	< 2	5	35	0.15	< 1	< 2	< 10	78	< 10	3	2
2017	< 10	< 1	0.06	< 10	1.67	0.386	0.028	0.13	< 2	11	29	0.24	1	< 2	< 10	102	< 10	7	4
2018	< 10	< 1	0.03	< 10	1.81	0.276	0.016	0.17	< 2	8	26	0.27	< 1	< 2	< 10	155	< 10	3	2
2019	< 10	< 1	0.03	< 10	1.38	0.337	0.011	0.2	< 2	6	30	0.24	< 1	< 2	< 10	205	< 10	4	2
2020	< 10	< 1	0.03	< 10	1.38	0.474	0.016	0.09	< 2	6	43	0.16	2	< 2	< 10	105	< 10	4	2
2021	< 10	< 1	0.04	< 10	1.09	0.451	0.008	0.15	< 2	7	40	0.19	< 1	< 2	< 10	131	< 10	5	3
2022	< 10	< 1	0.09	< 10	1.49	0.403	0.005	0.2	< 2	10	31	0.32	< 1	< 2	< 10	324	< 10	4	2
2023	< 10	< 1	0.03	< 10	1.52	0.499	0.006	0.17	< 2	7	46	0.16	< 1	< 2	< 10	108	< 10	3	2
2024	< 10	< 1	0.03	< 10	2.69	0.163	0.006	0.12	< 2	8	23	0.14	< 1	< 2	< 10	142	< 10	4	2
2025	< 10	< 1	0.03	< 10	1.49	0.435	0.006	0.17	< 2	7	37	0.17	< 1	< 2	< 10	106	< 10	3	2
2026	< 10	< 1	0.03	< 10	1.38	0.621	0.005	0.13	< 2	6	52	0.14	< 1	< 2	< 10	101	< 10	3	1
2027	< 10	2	0.03	< 10	1.39	0.629	0.005	0.2	< 2	5	53	0.15	< 1	< 2	< 10	118	< 10	2	1
2028	< 10	< 1	0.05	< 10	1.44	0.542	0.013	0.16	< 2	7	45	0.18	< 1	< 2	< 10	147	< 10	3	2
2029	< 10	< 1	0.04	< 10	1.64	0.639	0.002	0.1	< 2	7	52	0.15	< 1	< 2	< 10	110	< 10	2	1
2030	< 10	1	0.03	< 10	1.44	0.413	0.008	0.23	2	6	36	0.16	< 1	< 2	< 10	147	< 10	3	2
2031	< 10	< 1	0.03	< 10	1.87	0.392	0.004	0.09	< 2	5	33	0.16	1	< 2	< 10	115	< 10	2	1
2032	< 10	< 1	0.04	< 10	1.68	0.459	0.004	0.1	< 2	8	39	0.18	< 1	< 2	< 10	116	< 10	3	2
2033	< 10	< 1	0.04	< 10	1.46	0.561	0.004	0.06	< 2	7	51	0.15	< 1	< 2	< 10	94	< 10	2	1
2034	< 10	1	0.03	< 10	2.08	0.439	0.004	0.1	< 2	6	39	0.19	< 1	< 2	< 10	128	< 10	2	1
2035	< 10	< 1	0.03	< 10	1.41	0.429	0.006	0.08	< 2	8	43	0.21	2	< 2	< 10	125	< 10	3	2
2036	< 10	< 1	0.04	< 10	1.46	0.476	0.007	0.12	< 2	8	44	0.25	< 1	< 2	< 10	156	< 10	3	3
2037	< 10	< 1	0.05	< 10	1.34	0.477	0.005	0.21	< 2	7	41	0.27	< 1	< 2	< 10	220	< 10	3	2
2038	10	1	0.11	< 10	0.72	0.519	0.062	0.14	2	4	45	0.41	3	< 2	< 10	203	< 10	19	27
2039	10	< 1	0.11	< 10	0.82	0.48	0.06	0.14	< 2	4	44	0.42	< 1	< 2	< 10	196	< 10	18	27
2040	< 10	< 1	0.04	< 10	2.73	0.276	0.003	0.05	< 2	7	29	0.17	< 1	< 2	< 10	119	< 10	2	2
2041	< 10	< 1	0.03	< 10	2.28	0.318	0.004	0.04	< 2	6	33	0.18	< 1	< 2	< 10	113	< 10	2	2
2042	< 10	< 1	0.04	< 10	1.45	0.455	0.007	0.09	< 2	6	44	0.17	< 1	< 2	< 10	92	< 10	3	2
2043	< 10	< 1	0.05	< 10	2.15	0.305	0.02	0.1	< 2	10	26	0.25	2	< 2	< 10	129	< 10	6	3
2044	< 10	< 1	0.03	< 10	1.66	0.524	0.003	0.08	< 2	5	50	0.1	< 1	< 2	< 10	59	< 10	2	1
2045	< 10	< 1	0.04	< 10	1.12	0.559	0.005	0.08	< 2	5	53	0.19	< 1	< 2	< 10	120	< 10	3	2
2046	< 10	< 1	0.05	< 10	1.21	0.559	0.005	0.07	< 2	4	54	0.1	< 1	< 2	< 10	57	< 10	2	< 1
2047	< 10	< 1	0.04	< 10	1.92	0.302	0.006	0.16	< 2	6	32	0.19	< 1	< 2	< 10	129	< 10	3	2

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2048	< 10	< 1	0.06	< 10	1.38	0.289	0.016	0.1	< 2	8	30	0.19	3	< 2	< 10	106	< 10	8	4
2049	< 10	< 1	0.05	< 10	1.34	0.42	0.006	0.05	< 2	5	40	0.13	< 1	< 2	< 10	76	< 10	3	2
2050	< 10	< 1	0.07	< 10	1.39	0.504	0.006	0.09	< 2	6	47	0.17	< 1	< 2	< 10	99	< 10	3	2
2051	< 10	< 1	0.07	< 10	1.34	0.465	0.011	0.09	< 2	6	44	0.17	< 1	< 2	< 10	90	< 10	6	3
2052	< 10	1	0.06	< 10	1.77	0.406	0.007	0.23	< 2	9	36	0.15	< 1	< 2	< 10	100	< 10	7	4
2053	< 10	< 1	0.07	< 10	1.63	0.377	0.006	0.09	< 2	6	41	0.16	< 1	< 2	< 10	93	< 10	4	3
2054	< 10	< 1	0.05	< 10	1.02	0.099	0.01	0.69	< 2	11	9	0.22	1	< 2	< 10	205	< 10	12	9
2055	< 10	< 1	0.07	< 10	1.63	0.325	0.007	0.07	< 2	5	36	0.11	< 1	< 2	< 10	68	< 10	3	2
2056	< 10	< 1	0.16	16	1.89	0.273	0.047	0.09	< 2	5	45	0.18	2	< 2	< 10	79	< 10	6	17
2057	10	< 1	0.07	< 10	2.73	0.324	0.002	0.06	< 2	4	31	0.11	< 1	< 2	< 10	68	< 10	1	1
2058	< 10	< 1	0.05	< 10	2.66	0.256	0.004	0.07	2	6	33	0.11	< 1	< 2	< 10	90	< 10	3	2
2059	10	1	0.03	< 10	3.28	0.125	0.004	0.04	2	11	26	0.14	< 1	< 2	< 10	147	< 10	3	2
2060	< 10	1	0.11	< 10	2.82	0.227	0.004	0.08	< 2	5	31	0.13	< 1	< 2	< 10	113	< 10	3	2
2061	< 10	< 1	0.08	< 10	1.79	0.484	0.008	0.09	< 2	7	46	0.15	< 1	< 2	< 10	87	< 10	5	3
2062	< 10	1	0.1	11	1.56	0.337	0.016	0.12	< 2	11	34	0.31	2	< 2	< 10	210	< 10	10	7
2063	< 10	< 1	0.05	< 10	1.75	0.566	0.005	0.06	< 2	7	54	0.14	< 1	< 2	< 10	87	< 10	3	2
2064	< 10	1	0.03	< 10	2.13	0.505	0.003	0.09	< 2	5	45	0.11	< 1	< 2	< 10	64	< 10	2	1
2065	< 10	1	0.05	< 10	1.71	0.514	0.006	0.13	< 2	7	48	0.2	< 1	< 2	< 10	112	< 10	3	2
2066	< 10	< 1	0.05	< 10	1.39	0.506	0.008	0.08	< 2	6	49	0.14	< 1	< 2	< 10	74	< 10	4	2
2067	< 10	< 1	0.05	< 10	1.48	0.599	0.005	0.09	< 2	6	58	0.16	< 1	< 2	< 10	84	< 10	3	2
2068	< 10	< 1	0.05	< 10	1.26	0.435	0.007	0.08	< 2	6	46	0.15	< 1	< 2	< 10	73	< 10	3	2
2069	< 10	< 1	0.04	< 10	2.01	0.381	0.005	0.06	< 2	5	38	0.13	< 1	< 2	< 10	79	< 10	2	2
2070	< 10	< 1	0.04	< 10	2.48	0.296	0.005	0.07	2	6	28	0.14	< 1	< 2	< 10	96	< 10	2	2
2071	< 10	< 1	0.06	< 10	1.38	0.461	0.008	0.09	< 2	7	47	0.17	< 1	< 2	< 10	89	< 10	3	2
2072	< 10	< 1	0.04	< 10	1.42	0.218	0.01	0.12	< 2	6	28	0.27	2	< 2	< 10	137	< 10	3	2
2073	< 10	< 1	0.04	< 10	1.57	0.191	0.007	0.06	< 2	7	27	0.2	< 1	< 2	< 10	95	< 10	4	2
2074	< 10	< 1	0.03	< 10	1.43	0.145	0.005	0.04	< 2	6	29	0.2	< 1	< 2	< 10	100	< 10	4	3
2075	< 10	< 1	0.06	< 10	1.38	0.267	0.009	0.06	< 2	6	35	0.18	< 1	< 2	< 10	98	< 10	4	4
2076	< 10	< 1	0.06	< 10	1.51	0.22	0.007	0.16	< 2	7	26	0.17	< 1	< 2	< 10	125	< 10	6	4
2077	< 10	< 1	0.07	< 10	1.68	0.279	0.006	0.3	< 2	6	35	0.18	< 1	< 2	< 10	139	< 10	3	2
2078	< 10	2	0.05	< 10	1.86	0.121	0.007	0.47	< 2	5	27	0.18	< 1	< 2	< 10	122	< 10	5	4
2079	< 10	< 1	0.06	< 10	1.97	0.111	0.01	0.54	< 2	11	10	0.15	< 1	< 2	< 10	130	< 10	11	7
2080	< 10	< 1	0.04	< 10	2.73	0.153	0.005	0.26	< 2	4	18	0.13	2	< 2	< 10	102	< 10	2	2
2081	< 10	< 1	0.03	< 10	3.38	0.083	0.004	0.17	< 2	6	17	0.2	< 1	< 2	< 10	153	< 10	3	2
2082	< 10	1	0.03	< 10	2.4	0.149	0.004	0.1	< 2	4	23	0.15	< 1	< 2	< 10	94	< 10	2	2
2083	< 10	1	0.04	< 10	2.77	0.152	0.003	0.12	< 2	5	19	0.15	< 1	< 2	< 10	118	< 10	2	2
2084	< 10	1	0.04	< 10	2.17	0.151	0.018	0.11	< 2	10	19	0.24	< 1	< 2	< 10	114	< 10	5	3
2085	< 10	< 1	0.05	< 10	1.69	0.236	0.02	0.11	< 2	12	22	0.25	< 1	< 2	< 10	113	< 10	5	4
2086	< 10	< 1	0.08	< 10	1.8	0.337	0.022	0.12	< 2	16	26	0.29	2	< 2	< 10	138	< 10	7	4
2087	< 10	< 1	0.03	< 10	2.23	0.097	0.01	0.17	< 2	7	9	0.12	2	< 2	< 10	88	< 10	8	6
2088	< 10	< 1	0.07	< 10	2.37	0.121	0.007	0.16	< 2	5	15	0.15	< 1	< 2	< 10	142	< 10	3	3
2089	< 10	< 1	0.09	< 10	2.6	0.191	0.005	0.08	3	5	25	0.14	< 1	< 2	< 10	124	< 10	2	2
2090	< 10	< 1	0.1	< 10	2.24	0.25	0.005	0.08	< 2	5	33	0.13	< 1	< 2	< 10	121	< 10	3	2
2091	10	< 1	0.05	< 10	2.95	0.291	0.004	0.07	< 2	6	26	0.2	< 1	< 2	< 10	177	< 10	2	2
2092	< 10	< 1	0.08	< 10	2.06	0.235	0.006	0.09	< 2	5	31	0.14	2	< 2	< 10	131	< 10	3	3
2093	< 10	< 1	0.05	< 10	1.95	0.172	0.004	0.1	< 2	5	26	0.16	< 1	< 2	< 10	122	< 10	2	2
2094	< 10	< 1	0.1	< 10	1.97	0.295	0.006	0.2	2	5	32	0.2	< 1	< 2	< 10	211	< 10	3	2
2095	< 10	< 1	0.1	< 10	2.16	0.188	0.006	0.17	2	5	24	0.22	< 1	< 2	< 10	225	< 10	2	2

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2096	< 10	< 1	0.09	< 10	1.72	0.247	0.005	0.08	< 2	6	32	0.17	2	< 2	< 10	140	< 10	3	2
2097	< 10	< 1	0.07	< 10	2.1	0.248	0.006	0.09	< 2	5	27	0.15	< 1	< 2	< 10	146	< 10	2	2
2098	10	< 1	0.11	< 10	2.34	0.356	0.006	0.09	< 2	6	40	0.18	4	< 2	< 10	153	< 10	2	2
2099	< 10	< 1	0.1	< 10	2.15	0.329	0.005	0.07	< 2	5	39	0.16	< 1	< 2	< 10	129	< 10	2	2
2100	< 10	1	0.08	< 10	1.9	0.171	0.007	0.09	< 2	7	27	0.26	4	< 2	< 10	185	< 10	5	3
2101	< 10	2	0.09	< 10	2.08	0.286	0.009	0.09	< 2	10	30	0.17	< 1	< 2	< 10	127	< 10	9	4
2102	< 10	< 1	0.07	< 10	1.51	0.164	0.011	0.2	< 2	6	22	0.17	< 1	< 2	< 10	128	< 10	7	3
2103	< 10	< 1	0.23	< 10	1.56	0.178	0.011	0.13	< 2	6	26	0.25	< 1	< 2	< 10	171	< 10	5	3
2104	< 10	< 1	0.07	< 10	1.44	0.157	0.01	0.17	< 2	4	30	0.29	< 1	< 2	< 10	199	< 10	4	3
2105	< 10	< 1	0.16	21	1.49	0.206	0.041	0.14	< 2	4	26	0.12	< 1	< 2	< 10	71	< 10	9	8
2106	< 10	< 1	0.11	< 10	1.71	0.163	0.011	0.08	< 2	4	34	0.22	4	< 2	< 10	120	< 10	4	3
2107	< 10	< 1	0.06	< 10	2.71	0.095	0.015	0.06	< 2	6	26	0.23	2	< 2	< 10	138	< 10	5	3
2108	< 10	< 1	0.03	< 10	2.83	0.109	0.006	0.24	< 2	4	20	0.17	< 1	< 2	< 10	115	< 10	2	2
2109	< 10	< 1	0.04	< 10	2.24	0.11	0.008	0.05	< 2	5	17	0.14	< 1	< 2	< 10	78	< 10	4	4
2110	< 10	2	0.02	< 10	2.28	0.061	0.007	0.35	< 2	4	15	0.18	< 1	< 2	< 10	107	< 10	2	2
2111	< 10	< 1	0.07	< 10	1.68	0.126	0.009	0.14	< 2	4	30	0.17	< 1	< 2	< 10	78	< 10	3	3
2112	< 10	< 1	0.07	< 10	1.3	0.129	0.009	0.07	< 2	4	30	0.15	< 1	< 2	< 10	66	< 10	4	4
2113	< 10	< 1	0.06	< 10	1.22	0.134	0.007	0.05	< 2	4	30	0.13	< 1	< 2	< 10	57	< 10	4	4
2114	< 10	< 1	0.07	< 10	1.04	0.149	0.011	0.07	< 2	3	28	0.13	< 1	< 2	< 10	47	< 10	4	5
2115	< 10	< 1	0.05	18	1.5	0.13	0.007	0.05	< 2	3	22	0.1	< 1	< 2	< 10	47	< 10	3	4
2116	< 10	< 1	0.04	20	1.18	0.151	0.008	0.09	< 2	3	29	0.13	3	< 2	< 10	61	< 10	3	7
2117	< 10	< 1	0.07	< 10	1.78	0.148	0.007	0.16	< 2	5	25	0.1	< 1	< 2	< 10	58	< 10	4	2
2118	< 10	1	0.02	< 10	2.89	0.099	0.003	0.16	< 2	4	6	0.12	1	< 2	< 10	92	< 10	1	2
2119	< 10	< 1	0.05	13	1.3	0.228	0.01	0.03	< 2	3	24	0.13	< 1	< 2	< 10	58	< 10	4	8
2155	< 10	< 1	0.12	< 10	0.87	0.441	0.044	0.12	< 2	4	41	0.28	< 1	< 2	< 10	204	< 10	13	14
2156	10	< 1	0.11	< 10	0.85	0.454	0.043	0.12	< 2	4	42	0.28	< 1	< 2	< 10	203	< 10	13	14
2157	10	< 1	0.13	< 10	0.88	0.512	0.042	0.13	< 2	5	47	0.28	< 1	< 2	< 10	207	< 10	14	14
2158	10	1	0.14	< 10	0.86	0.545	0.044	0.12	< 2	5	47	0.31	< 1	< 2	< 10	193	< 10	12	13
2159	10	< 1	0.13	< 10	0.97	0.551	0.045	0.13	< 2	5	45	0.34	2	< 2	< 10	187	< 10	12	13
2160	< 10	< 1	0.11	< 10	1.17	0.546	0.036	0.12	< 2	5	49	0.27	1	< 2	< 10	166	< 10	8	9
2161	< 10	1	0.07	< 10	2.23	0.625	0.004	0.07	< 2	6	67	0.12	< 1	< 2	< 10	130	< 10	2	2
2162	< 10	< 1	0.08	< 10	2.16	0.582	0.008	0.16	< 2	5	68	0.08	< 1	< 2	< 10	75	< 10	2	2
2163	< 10	2	0.09	< 10	1.94	0.725	0.004	0.14	< 2	5	79	0.08	< 1	< 2	< 10	93	< 10	1	1
2164	< 10	2	0.09	< 10	1.46	0.729	0.004	0.14	< 2	4	82	0.08	< 1	< 2	< 10	116	< 10	1	1
2165	< 10	< 1	0.08	< 10	2.04	0.487	0.005	0.14	2	5	58	0.08	< 1	< 2	< 10	102	< 10	2	2
2166	10	< 1	0.14	< 10	5.13	0.242	0.004	0.03	< 2	12	66	0.18	< 1	< 2	< 10	164	< 10	4	2
2167	10	1	0.08	< 10	1.83	0.595	0.003	0.06	< 2	4	66	0.11	< 1	< 2	< 10	118	< 10	2	2
2168	10	1	0.08	< 10	1.64	0.748	0.003	0.1	< 2	3	81	0.09	< 1	< 2	< 10	108	< 10	1	1
2169	10	2	0.08	< 10	1.77	0.591	0.004	0.1	< 2	4	67	0.09	< 1	< 2	< 10	103	< 10	1	1
2170	< 10	< 1	0.05	< 10	2	0.45	0.007	0.07	< 2	5	54	0.11	< 1	< 2	< 10	106	< 10	1	2
2171	< 10	< 1	0.06	< 10	1.79	0.505	0.006	0.12	< 2	4	60	0.09	< 1	< 2	< 10	110	< 10	1	1
2172	< 10	< 1	0.06	< 10	1.66	0.588	0.005	0.12	< 2	4	70	0.1	< 1	2	< 10	120	< 10	1	1
2173	10	1	0.1	< 10	2.1	0.521	0.008	0.09	< 2	4	67	0.1	< 1	< 2	< 10	142	< 10	2	2
2174	10	< 1	0.12	< 10	2.73	0.465	0.008	0.1	< 2	7	61	0.1	< 1	< 2	< 10	111	< 10	2	2
2175	< 10	< 1	0.07	< 10	1.51	0.571	0.01	0.08	< 2	4	68	0.11	< 1	< 2	< 10	103	< 10	2	4
2176	10	1	0.07	< 10	1.61	0.603	0.003	0.1	< 2	4	72	0.1	< 1	< 2	< 10	129	< 10	1	1
2177	10	< 1	0.07	< 10	1.45	0.739	0.003	0.08	< 2	4	85	0.09	< 1	< 2	< 10	113	< 10	1	1
2178	< 10	1	0.06	< 10	1.88	0.622	0.003	0.1	2	4	75	0.08	< 1	< 2	< 10	86	< 10	1	1

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2179	10	1	0.08	< 10	1.78	0.622	0.004	0.1	< 2	3	71	0.1	< 1	< 2	< 10	116	< 10	1	1
2180	10	1	0.08	< 10	1.95	0.609	0.005	0.1	2	4	72	0.1	< 1	< 2	< 10	121	< 10	2	1
2181	< 10	1	0.05	< 10	2.42	0.427	0.005	0.06	< 2	4	54	0.07	2	< 2	< 10	63	< 10	1	1
2182	< 10	< 1	0.04	< 10	2.39	0.421	0.006	0.12	< 2	4	49	0.08	< 1	< 2	< 10	77	< 10	2	1
2183	< 10	< 1	0.06	< 10	1.95	0.418	0.007	0.13	< 2	5	47	0.11	< 1	< 2	< 10	124	< 10	3	2
2184	< 10	2	0.06	< 10	1.78	0.388	0.006	0.14	< 2	6	42	0.14	< 1	< 2	< 10	150	< 10	3	2
2185	< 10	< 1	0.05	< 10	2.07	0.388	0.004	0.13	< 2	6	41	0.14	< 1	< 2	< 10	168	< 10	3	2
2186	< 10	< 1	0.05	< 10	1.97	0.503	0.002	0.12	< 2	4	55	0.1	< 1	< 2	< 10	97	< 10	2	1
2187	< 10	< 1	0.09	< 10	1.38	0.409	0.012	0.06	< 2	6	47	0.13	< 1	< 2	< 10	71	< 10	7	5
2188	< 10	< 1	0.08	< 10	1.62	0.424	0.026	0.09	< 2	11	36	0.17	2	< 2	< 10	108	< 10	8	7
2189	< 10	1	0.02	< 10	3.06	0.154	0.023	0.02	< 2	7	12	0.16	5	< 2	< 10	105	< 10	6	6
2190	< 10	< 1	0.1	< 10	1.35	0.244	0.029	0.04	< 2	7	33	0.18	< 1	< 2	< 10	70	< 10	7	7
2191	< 10	1	0.1	< 10	1.56	0.501	0.004	0.08	< 2	4	58	0.08	< 1	< 2	< 10	77	< 10	2	2
2192	< 10	< 1	0.1	< 10	1.26	0.571	0.005	0.08	< 2	3	65	0.07	2	< 2	< 10	60	< 10	2	1
2193	< 10	< 1	0.04	< 10	1.44	0.23	0.009	0.13	< 2	5	29	0.17	2	< 2	< 10	162	< 10	4	2
2194	< 10	< 1	0.05	< 10	1.52	0.218	0.01	0.2	2	7	27	0.23	< 1	< 2	< 10	218	< 10	5	3
2195	< 10	< 1	0.04	< 10	1.33	0.235	0.01	0.14	< 2	6	30	0.2	< 1	< 2	< 10	200	< 10	5	3
2196	< 10	< 1	0.04	< 10	1.22	0.24	0.007	0.21	< 2	6	33	0.24	< 1	< 2	< 10	260	< 10	4	3
2197	< 10	< 1	0.06	< 10	1.4	0.39	0.004	0.14	< 2	4	51	0.16	< 1	< 2	< 10	164	< 10	3	2
2198	< 10	< 1	0.05	< 10	2.16	0.305	0.003	0.09	< 2	5	43	0.15	< 1	< 2	< 10	137	< 10	4	2
2199	10	1	0.04	< 10	2.36	0.511	0.004	0.1	< 2	5	55	0.12	< 1	< 2	< 10	114	< 10	2	1
2200	< 10	1	0.05	< 10	2.14	0.45	0.004	0.11	< 2	7	49	0.16	< 1	< 2	< 10	160	< 10	3	2
2201	< 10	< 1	0.04	< 10	2.88	0.474	0.004	0.08	< 2	6	58	0.13	< 1	< 2	< 10	90	< 10	2	1
2202	< 10	2	0.06	< 10	2.36	0.569	0.003	0.08	< 2	5	67	0.1	< 1	< 2	< 10	82	< 10	2	1
2203	10	< 1	0.05	< 10	2.23	0.606	0.003	0.12	< 2	5	65	0.09	< 1	< 2	< 10	90	< 10	1	1
2204	10	< 1	0.05	< 10	2.02	0.702	0.003	0.1	2	5	74	0.09	< 1	< 2	< 10	80	< 10	1	1
2205	10	1	0.06	< 10	2.11	0.649	0.003	0.1	< 2	5	71	0.09	< 1	< 2	< 10	90	< 10	1	1
2206	10	1	0.03	< 10	2.13	0.714	0.003	0.12	< 2	5	76	0.09	< 1	< 2	< 10	86	< 10	1	1
2207	< 10	< 1	0.03	< 10	2.14	0.493	0.004	0.14	< 2	4	55	0.07	1	< 2	< 10	68	< 10	1	1
2208	< 10	1	0.03	< 10	1.91	0.501	0.004	0.18	< 2	6	50	0.11	< 1	< 2	< 10	108	< 10	3	2
2209	< 10	< 1	0.03	< 10	1.75	0.451	0.008	0.19	< 2	6	46	0.12	1	< 2	< 10	139	< 10	3	2
2210	< 10	< 1	0.03	< 10	1.97	0.4	0.002	0.18	< 2	7	43	0.13	< 1	< 2	< 10	138	< 10	2	1
2211	< 10	< 1	0.04	< 10	1.81	0.614	0.002	0.15	< 2	4	64	0.07	< 1	< 2	< 10	79	< 10	2	1
2212	< 10	1	0.08	< 10	2	0.499	0.001	0.06	< 2	5	55	0.08	< 1	< 2	< 10	68	< 10	2	1
2213	10	< 1	0.08	< 10	1.4	0.76	0.002	0.09	< 2	4	78	0.07	< 1	< 2	< 10	57	< 10	2	1
2214	10	< 1	0.07	< 10	1.32	0.805	0.002	0.09	< 2	5	86	0.07	< 1	< 2	< 10	57	< 10	2	< 1
2215	< 10	2	0.05	< 10	1.72	0.712	0.002	0.07	< 2	4	71	0.06	< 1	< 2	< 10	59	< 10	2	2
2216	< 10	< 1	0.05	< 10	1.46	0.573	0.004	0.08	< 2	4	59	0.11	< 1	< 2	< 10	122	< 10	2	2
2217	10	< 1	0.08	< 10	1.36	0.746	0.005	0.09	< 2	3	77	0.08	< 1	< 2	< 10	92	< 10	2	1
2218	< 10	< 1	0.06	< 10	1.31	0.363	0.008	0.11	< 2	6	39	0.16	< 1	< 2	< 10	203	< 10	4	3
2219	< 10	1	0.05	< 10	1.48	0.269	0.01	0.14	< 2	7	29	0.2	< 1	< 2	< 10	256	< 10	4	3
2220	< 10	< 1	0.05	< 10	1.29	0.282	0.01	0.15	< 2	6	30	0.2	< 1	< 2	< 10	243	< 10	4	3
2221	< 10	< 1	0.07	13	0.97	0.216	0.032	0.03	< 2	5	28	0.15	< 1	< 2	< 10	49	< 10	9	13
2222	< 10	1	0.06	< 10	1.53	0.416	0.006	0.18	3	8	49	0.22	< 1	< 2	< 10	200	< 10	4	3
2223	10	1	0.09	< 10	1.56	0.761	0.004	0.1	< 2	5	79	0.13	2	< 2	< 10	108	< 10	3	1
2224	10	2	0.04	< 10	2.33	0.546	0.005	0.08	< 2	7	57	0.14	< 1	< 2	< 10	130	< 10	3	2
2225	10	1	0.03	< 10	2.36	0.488	0.006	0.14	< 2	7	49	0.17	< 1	< 2	< 10	171	< 10	3	2
2226	10	< 1	0.03	< 10	2.98	0.367	0.009	0.19	< 2	6	38	0.18	< 1	< 2	< 10	225	< 10	2	2

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2227	10	< 1	0.03	< 10	2.71	0.447	0.008	0.14	3	5	45	0.18	< 1	< 2	< 10	214	< 10	2	1
2228	< 10	1	0.03	< 10	2.65	0.418	0.006	0.1	< 2	4	44	0.1	2	< 2	< 10	110	< 10	1	1
2229	10	< 1	0.03	< 10	3.03	0.397	0.007	0.14	2	4	42	0.15	< 1	< 2	< 10	145	< 10	1	1
2230	10	< 1	0.07	< 10	2	0.595	0.005	0.11	< 2	5	66	0.12	< 1	< 2	< 10	111	< 10	2	1
2231	10	2	0.04	< 10	3.41	0.479	0.005	0.11	< 2	5	54	0.11	2	< 2	< 10	107	< 10	2	1
2232	10	2	0.06	< 10	2.01	0.614	0.005	0.13	< 2	6	71	0.17	2	< 2	< 10	139	< 10	3	1
2233	< 10	< 1	0.05	< 10	1.6	0.686	0.01	0.12	2	7	68	0.17	< 1	< 2	< 10	121	< 10	4	2
2234	10	2	0.04	< 10	2.1	0.625	0.005	0.13	< 2	6	65	0.14	< 1	< 2	< 10	105	< 10	3	2
2235	10	< 1	0.05	< 10	1.9	0.751	0.004	0.18	< 2	5	73	0.18	< 1	< 2	< 10	185	< 10	2	2
2236	10	< 1	0.09	< 10	1.49	0.764	0.005	0.09	< 2	4	88	0.13	2	< 2	< 10	79	< 10	2	1
2237	10	< 1	0.1	< 10	1.62	0.642	0.005	0.08	< 2	4	83	0.12	< 1	< 2	< 10	75	< 10	2	2
2238	10	< 1	0.14	< 10	1.45	0.404	0.011	0.05	< 2	5	61	0.12	< 1	< 2	< 10	60	< 10	4	4
2239	< 10	< 1	0.15	< 10	1.62	0.465	0.01	0.05	< 2	5	60	0.12	< 1	< 2	< 10	65	< 10	4	4
2240	< 10	< 1	0.15	< 10	1.22	0.313	0.021	0.04	< 2	6	50	0.15	< 1	< 2	< 10	56	< 10	8	9
2241	< 10	< 1	0.24	14	1.14	0.26	0.038	0.03	< 2	7	44	0.19	2	< 2	< 10	60	< 10	9	9
2242	< 10	< 1	0.2	13	1.18	0.25	0.034	0.02	< 2	7	45	0.19	< 1	< 2	< 10	56	< 10	9	10
2243	< 10	< 1	0.37	17	0.83	0.229	0.029	0.02	< 2	5	34	0.19	< 1	< 2	< 10	39	< 10	12	15
2244	< 10	< 1	0.37	17	0.77	0.236	0.028	0.02	< 2	5	36	0.18	2	< 2	< 10	34	< 10	12	16
2245	< 10	< 1	0.13	< 10	1.95	0.37	0.006	0.15	< 2	6	55	0.17	< 1	< 2	< 10	101	< 10	3	2
2246	< 10	< 1	0.1	< 10	1.94	0.424	0.006	0.08	< 2	5	60	0.17	2	< 2	< 10	101	< 10	3	3
2247	< 10	< 1	0.09	< 10	1.82	0.185	0.005	0.11	< 2	5	55	0.15	< 1	< 2	< 10	97	< 10	4	4

Report: A10-9724
Report Date: 2/2/2011

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2120	< 5	< 0.2	< 0.5	134	488	< 1	87	< 2	44	2.68	2	< 10	37	< 0.5	< 2	1.72	34	85	4.43
2121	< 5	< 0.2	< 0.5	150	546	< 1	96	< 2	44	3.11	< 2	< 10	37	< 0.5	< 2	1.98	36	104	4.96
2122	< 5	< 0.2	< 0.5	277	483	< 1	78	< 2	43	2.87	< 2	< 10	33	< 0.5	< 2	2.48	31	85	4.2
2123	< 5	< 0.2	< 0.5	220	478	< 1	15	< 2	65	2.18	< 2	< 10	41	< 0.5	< 2	2.08	31	16	5.71
2124	9	< 0.2	< 0.5	273	523	< 1	103	< 2	47	3.34	3	< 10	30	< 0.5	< 2	1.88	32	102	4.65
2125	< 5	< 0.2	< 0.5	218	510	< 1	88	< 2	48	3.66	< 2	< 10	34	< 0.5	< 2	2.12	35	59	4.7
2126	< 5	< 0.2	< 0.5	146	357	< 1	53	< 2	33	2.93	< 2	< 10	32	< 0.5	< 2	2.19	21	43	2.99
2127	< 5	< 0.2	< 0.5	219	543	< 1	85	< 2	47	3.42	3	< 10	37	< 0.5	< 2	2.09	34	84	4.72
2128	< 5	< 0.2	< 0.5	130	471	< 1	62	< 2	35	2.54	< 2	< 10	35	< 0.5	< 2	2.57	27	101	3.57
2129	< 5	< 0.2	< 0.5	102	667	< 1	84	< 2	47	3	< 2	< 10	65	< 0.5	< 2	2.32	29	132	4.94
2130	< 5	< 0.2	< 0.5	140	470	< 1	13	3	66	2.3	< 2	< 10	75	< 0.5	< 2	2.02	31	10	5.64
2131	< 5	< 0.2	< 0.5	144	442	< 1	12	< 2	78	2.51	< 2	< 10	72	< 0.5	< 2	2.12	29	10	5.91
2132	< 5	< 0.2	< 0.5	148	442	< 1	16	< 2	77	2.4	< 2	< 10	70	< 0.5	< 2	2.11	31	9	6.17
2133	< 5	< 0.2	< 0.5	141	423	< 1	17	2	60	2.37	< 2	< 10	61	< 0.5	< 2	2.18	30	12	5.76
2134	< 5	< 0.2	< 0.5	139	398	< 1	16	7	46	2.38	< 2	< 10	63	< 0.5	< 2	2.14	28	11	5.36
2135	< 5	< 0.2	< 0.5	119	357	< 1	13	< 2	42	2.13	< 2	< 10	54	< 0.5	< 2	1.93	26	10	4.51
2136	< 5	< 0.2	< 0.5	140	438	< 1	13	< 2	62	2.4	< 2	< 10	63	< 0.5	< 2	2.15	30	9	5.77
2137	< 5	< 0.2	< 0.5	138	409	< 1	11	3	72	2.31	4	< 10	59	< 0.5	< 2	2.04	28	9	5.67
2138	< 5	< 0.2	< 0.5	146	460	< 1	14	< 2	63	2.33	< 2	< 10	64	< 0.5	< 2	2.14	31	13	5.83
2139	< 5	< 0.2	< 0.5	94	372	< 1	46	< 2	40	3.5	< 2	< 10	45	< 0.5	< 2	3.33	21	42	3.09
2140	< 5	< 0.2	< 0.5	107	352	< 1	48	< 2	28	3.66	< 2	12	36	< 0.5	< 2	3.66	20	42	2.59
2141	< 5	< 0.2	< 0.5	78	423	< 1	60	< 2	39	3.44	< 2	< 10	38	< 0.5	< 2	2.86	28	58	3.96
2142	< 5	< 0.2	< 0.5	120	445	< 1	62	4	37	4.03	< 2	< 10	36	< 0.5	< 2	2.97	29	72	3.88
2143	< 5	< 0.2	< 0.5	102	369	< 1	54	< 2	31	4.38	< 2	< 10	33	< 0.5	< 2	3.41	24	50	3.36
2144	< 5	< 0.2	< 0.5	124	340	< 1	53	< 2	32	4	< 2	< 10	34	< 0.5	< 2	3.34	24	43	3.13
2145	< 5	< 0.2	< 0.5	219	361	< 1	75	< 2	29	3.18	< 2	< 10	33	< 0.5	< 2	2.9	27	59	3.14
2146	< 5	< 0.2	< 0.5	227	427	< 1	90	< 2	33	2.93	< 2	< 10	34	< 0.5	< 2	2.76	33	83	4.15
2147	< 5	< 0.2	< 0.5	218	510	< 1	99	< 2	41	2.52	< 2	< 10	30	< 0.5	< 2	2.96	34	94	4.67
2148	< 5	< 0.2	< 0.5	191	409	< 1	91	< 2	35	2.92	< 2	< 10	34	< 0.5	< 2	2.24	30	53	3.86
2149	< 5	< 0.2	< 0.5	282	494	< 1	117	< 2	45	3.07	5	< 10	34	< 0.5	< 2	2.11	35	75	4.74
2150	< 5	< 0.2	< 0.5	129	410	< 1	65	< 2	38	2.19	< 2	< 10	31	< 0.5	< 2	1.98	25	71	3.57
2151	< 5	< 0.2	< 0.5	160	523	< 1	108	< 2	44	3.02	< 2	< 10	35	< 0.5	< 2	2.11	35	84	4.86
2152	< 5	< 0.2	< 0.5	113	494	< 1	93	< 2	39	2.07	< 2	< 10	22	< 0.5	< 2	1.68	30	67	4.11
2153	< 5	< 0.2	< 0.5	250	496	< 1	114	2	39	2.67	< 2	< 10	37	< 0.5	< 2	2.12	33	58	4.13
2357	< 5	< 0.2	< 0.5	19	298	< 1	25	4	25	1.32	< 2	< 10	50	< 0.5	< 2	1.52	13	49	2.11
2358	< 5	< 0.2	0.5	108	542	< 1	83	13	106	2.46	2	< 10	43	< 0.5	< 2	1.87	32	84	4.35
2359	< 5	< 0.2	< 0.5	122	678	< 1	95	< 2	50	2.93	< 2	< 10	18	< 0.5	< 2	2.74	38	143	5.22
2360	< 5	< 0.2	< 0.5	156	935	< 1	164	< 2	65	3.58	< 2	< 10	16	< 0.5	< 2	3.41	50	181	8.48
2361	< 5	0.2	< 0.5	313	1020	< 1	190	< 2	55	3.33	< 2	< 10	20	< 0.5	< 2	5.91	57	156	8.32
2362	< 5	< 0.2	< 0.5	50	882	< 1	136	< 2	58	3.55	< 2	< 10	12	< 0.5	< 2	4.38	43	252	6.99
2363	< 5	< 0.2	< 0.5	186	627	< 1	81	< 2	36	2.48	2	< 10	21	< 0.5	< 2	3.7	31	149	4.57
2364	< 5	0.2	< 0.5	357	585	< 1	138	2	58	2.79	< 2	< 10	26	< 0.5	< 2	1.83	39	135	5.05
2365	< 5	0.4	0.5	599	519	< 1	160	5	67	2.42	< 2	< 10	22	< 0.5	< 2	1.7	36	112	4.23
2366	< 5	0.2	< 0.5	346	560	< 1	114	< 2	40	3.11	< 2	< 10	29	< 0.5	< 2	2	38	113	4.4
2367	< 5	< 0.2	< 0.5	164	431	< 1	81	3	43	2.67	< 2	< 10	26	< 0.5	< 2	2.39	28	108	3.57
2368	< 5	< 0.2	< 0.5	137	462	< 1	87	< 2	41	2.99	< 2	< 10	31	< 0.5	< 2	2.42	30	119	3.86
2369	< 5	< 0.2	< 0.5	79	416	< 1	73	< 2	32	2.85	< 2	< 10	34	< 0.5	< 2	2.37	26	119	3.38
2370	< 5	< 0.2	< 0.5	74	353	< 1	66	< 2	30	2.73	< 2	48	43	< 0.5	< 2	2.36	22	103	2.81

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2371	< 5	< 0.2	< 0.5	181	518	< 1	94	< 2	44	3.15	< 2	19	32	< 0.5	< 2	1.78	32	88	4.27
2372	< 5	< 0.2	< 0.5	78	452	< 1	51	< 2	30	2.07	< 2	< 10	43	< 0.5	< 2	1.74	27	52	3.72
2373	< 5	< 0.2	< 0.5	32	365	< 1	44	< 2	25	1.69	< 2	< 10	54	< 0.5	< 2	1.21	20	83	3.12
2374	< 5	< 0.2	< 0.5	182	470	< 1	102	< 2	33	2.31	< 2	< 10	20	< 0.5	< 2	1.88	33	126	3.83
2375	< 5	< 0.2	< 0.5	96	361	< 1	53	< 2	23	2.31	< 2	< 10	36	< 0.5	< 2	1.81	23	79	2.97
2376	< 5	< 0.2	< 0.5	58	359	< 1	47	< 2	22	2.01	< 2	< 10	52	< 0.5	< 2	1.61	21	78	3
2377	< 5	< 0.2	< 0.5	79	454	< 1	73	< 2	30	2.32	< 2	< 10	77	< 0.5	< 2	1.55	29	114	3.65
2378	< 5	< 0.2	< 0.5	86	496	< 1	74	< 2	34	2.62	< 2	< 10	79	< 0.5	< 2	2.07	29	134	3.81
2379	< 5	< 0.2	< 0.5	40	378	< 1	48	< 2	26	1.97	< 2	< 10	83	< 0.5	< 2	1.42	21	85	3.09
2380	< 5	< 0.2	< 0.5	83	357	< 1	45	< 2	23	1.96	< 2	< 10	108	< 0.5	< 2	1.68	20	80	2.86
2381	< 5	< 0.2	< 0.5	267	578	< 1	128	< 2	45	2.92	< 2	< 10	20	< 0.5	< 2	1.84	38	123	4.52
2382	< 5	< 0.2	< 0.5	146	640	< 1	108	4	71	3.47	< 2	< 10	25	< 0.5	< 2	1.42	35	162	5.16
2383	6	0.6	< 0.5	1400	553	< 1	322	3	59	2.69	< 2	< 10	21	< 0.5	< 2	1.43	55	151	5.04
2384	< 5	< 0.2	< 0.5	359	596	< 1	128	< 2	49	3.19	< 2	19	20	< 0.5	< 2	1.56	38	139	4.99
2385	< 5	< 0.2	< 0.5	220	536	< 1	121	< 2	45	3.05	< 2	18	19	< 0.5	< 2	1.7	41	114	4.61
2386	9	< 0.2	< 0.5	216	518	< 1	104	< 2	42	2.88	3	23	19	< 0.5	< 2	2	38	121	4.35
2387	8	< 0.2	< 0.5	126	776	< 1	114	< 2	49	3.16	4	< 10	16	< 0.5	< 2	4.29	36	189	5.73
2388	< 5	< 0.2	< 0.5	60	945	< 1	134	< 2	77	4.22	< 2	< 10	10	< 0.5	< 2	4.43	45	197	7.83
2389	8	< 0.2	< 0.5	429	1020	< 1	159	< 2	79	3.8	2	< 10	131	< 0.5	< 2	5.1	61	157	9.4
2390	24	< 0.2	< 0.5	300	912	< 1	104	< 2	55	2.55	< 2	< 10	80	< 0.5	< 2	4.99	53	178	6.88
2391	6	< 0.2	< 0.5	44	761	< 1	50	< 2	58	2.84	< 2	< 10	535	< 0.5	< 2	3.59	31	84	6
2392	6	< 0.2	< 0.5	72	905	< 1	14	2	66	2.82	< 2	< 10	511	0.7	< 2	4.82	32	10	6.7
2393	7	< 0.2	< 0.5	82	885	< 1	22	< 2	69	3.08	< 2	< 10	1190	0.7	< 2	4.47	33	23	6.92
2394	< 5	< 0.2	< 0.5	84	928	< 1	54	< 2	52	2.69	< 2	< 10	422	< 0.5	< 2	5.84	33	80	5.57
2395	< 5	< 0.2	< 0.5	118	821	< 1	104	< 2	58	3.42	< 2	< 10	33	< 0.5	< 2	3.99	37	224	6.19
2396	7	0.2	< 0.5	592	731	< 1	135	< 2	55	3.01	< 2	< 10	31	< 0.5	< 2	3.22	51	181	6.41
2397	< 5	< 0.2	< 0.5	42	782	< 1	108	< 2	66	3.43	< 2	< 10	18	< 0.5	< 2	1.94	40	258	6.07
2398	< 5	< 0.2	< 0.5	323	706	< 1	147	< 2	57	2.2	< 2	< 10	17	< 0.5	< 2	1.04	60	168	7.93
2399	< 5	< 0.2	< 0.5	192	595	< 1	98	< 2	41	1.37	< 2	71	13	< 0.5	< 2	1.32	42	118	5.76
2400	37	< 0.2	< 0.5	118	626	< 1	89	< 2	57	3.18	< 2	< 10	20	< 0.5	< 2	1.69	35	86	4.67
2401	< 5	< 0.2	< 0.5	50	480	< 1	69	< 2	45	2.97	< 2	< 10	26	< 0.5	< 2	1.85	28	157	3.53
2402	< 5	< 0.2	< 0.5	374	767	< 1	201	< 2	66	2.33	< 2	< 10	18	< 0.5	< 2	1.02	65	131	8.42
2403	< 5	< 0.2	< 0.5	995	709	< 1	418	< 2	60	2.05	2	< 10	14	< 0.5	< 2	1.42	160	133	8.84
2404	< 5	< 0.2	< 0.5	179	729	< 1	94	< 2	93	2.58	< 2	< 10	21	< 0.5	< 2	1.71	45	146	6.81
2405	< 5	< 0.2	< 0.5	382	726	< 1	232	< 2	67	2.22	< 2	< 10	33	< 0.5	< 2	1.25	74	112	8.8
2406	< 5	< 0.2	0.5	335	709	< 1	152	< 2	63	2.02	< 2	< 10	20	< 0.5	< 2	0.96	57	153	9.67
2407	< 5	< 0.2	< 0.5	530	619	< 1	286	< 2	59	2.28	< 2	< 10	29	< 0.5	< 2	1.34	75	170	8.37
2408	< 5	< 0.2	< 0.5	192	678	< 1	82	< 2	57	2.87	< 2	< 10	19	< 0.5	< 2	2.18	33	119	5.85
2409	< 5	< 0.2	< 0.5	209	583	< 1	95	< 2	51	3.23	< 2	77	25	< 0.5	< 2	2.22	38	95	4.87
2410	< 5	< 0.2	< 0.5	126	460	< 1	64	< 2	32	2.81	< 2	52	25	< 0.5	< 2	2.59	29	113	3.74
2411	< 5	< 0.2	< 0.5	129	512	< 1	65	< 2	37	2.61	< 2	< 10	28	< 0.5	< 2	2.11	33	121	4.58
2412	12	< 0.2	< 0.5	326	837	< 1	121	< 2	61	2.77	3	< 10	67	< 0.5	< 2	3.34	53	115	8.19
2413	< 5	< 0.2	< 0.5	96	563	< 1	75	< 2	43	2.77	< 2	< 10	50	< 0.5	< 2	2.51	29	107	4.36
2414	21	0.2	< 0.5	702	587	< 1	597	< 2	44	1.69	< 2	< 10	18	< 0.5	< 2	1.32	107	157	10.3
2415	6	< 0.2	< 0.5	279	689	< 1	104	< 2	55	2.2	< 2	< 10	88	< 0.5	< 2	1.84	46	150	7.23
2416	< 5	< 0.2	< 0.5	415	678	< 1	235	< 2	57	2.38	< 2	< 10	91	< 0.5	< 2	0.81	71	130	9.58
2417	< 5	< 0.2	< 0.5	228	857	< 1	93	< 2	49	2.2	< 2	< 10	92	< 0.5	< 2	3.64	40	106	6.24
2418	< 5	< 0.2	< 0.5	187	632	< 1	61	< 2	44	2.59	2	< 10	15	< 0.5	< 2	2.94	32	66	4.57

Report: A10-9724
Report Date: 2/2/2011

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2419	< 5	< 0.2	< 0.5	52	601	< 1	54	< 2	42	2.96	< 2	< 10	28	< 0.5	< 2	2.82	27	61	4.27
2420	< 5	< 0.2	< 0.5	422	572	< 1	260	< 2	41	1.9	< 2	< 10	46	< 0.5	< 2	1.85	79	129	7.94
2421	< 5	< 0.2	< 0.5	94	655	< 1	84	< 2	44	2.29	< 2	< 10	65	< 0.5	< 2	2.17	38	133	5.92
2422	< 5	< 0.2	< 0.5	164	608	< 1	120	< 2	48	2.99	3	< 10	27	< 0.5	< 2	2	40	104	5.12
2423	6	< 0.2	< 0.5	614	541	< 1	168	< 2	37	1.56	< 2	< 10	63	< 0.5	< 2	1.64	63	94	6.19
2424	< 5	< 0.2	< 0.5	154	650	< 1	107	< 2	55	3.8	< 2	< 10	26	< 0.5	< 2	2.48	40	67	5.41
2425	10	< 0.2	< 0.5	222	596	< 1	127	< 2	51	3.7	< 2	< 10	37	< 0.5	< 2	2.5	39	56	5.02
2426	7	< 0.2	< 0.5	76	718	< 1	41	< 2	55	3.17	< 2	< 10	357	< 0.5	< 2	3.54	34	39	6.01
2427	< 5	< 0.2	< 0.5	116	642	< 1	95	< 2	52	3.34	< 2	< 10	26	< 0.5	< 2	2.54	37	79	5.49
2428	< 5	< 0.2	< 0.5	156	588	< 1	119	< 2	48	3.96	< 2	< 10	24	< 0.5	< 2	2.48	36	86	5.25
2429	< 5	< 0.2	< 0.5	124	501	< 1	84	< 2	38	3.62	< 2	< 10	24	< 0.5	< 2	2.84	31	72	4.15
2430	28	< 0.2	< 0.5	105	521	< 1	89	< 2	42	3.08	< 2	< 10	34	< 0.5	< 2	2.39	31	65	4.28
2431	< 5	< 0.2	< 0.5	96	625	< 1	75	< 2	50	3.46	< 2	< 10	28	< 0.5	< 2	2.59	31	62	5.52
2432	6	< 0.2	< 0.5	129	586	< 1	92	< 2	46	3.73	2	< 10	43	< 0.5	< 2	2.83	35	81	5.01
2433	6	< 0.2	< 0.5	148	586	< 1	63	< 2	45	2.95	2	< 10	68	< 0.5	< 2	2.98	32	67	4.73
2434	13	< 0.2	< 0.5	134	627	< 1	61	< 2	43	2.49	< 2	< 10	38	< 0.5	< 2	2.86	38	105	5.34
2435	< 5	< 0.2	< 0.5	129	683	< 1	81	< 2	49	2.72	< 2	< 10	46	< 0.5	< 2	2.84	38	119	5.69
2436	< 5	< 0.2	< 0.5	67	606	< 1	54	< 2	39	2.8	< 2	< 10	21	< 0.5	< 2	2.95	31	117	4.6
2437	< 5	< 0.2	< 0.5	153	626	< 1	65	< 2	40	2.35	< 2	< 10	24	< 0.5	< 2	2.79	36	101	5.01
2438	< 5	< 0.2	< 0.5	104	490	< 1	71	< 2	39	3.11	< 2	< 10	29	< 0.5	< 2	2.56	30	105	4.09
2439	< 5	< 0.2	< 0.5	310	602	< 1	47	< 2	44	2.38	< 2	< 10	26	< 0.5	< 2	2.83	36	57	5.41
2440	< 5	< 0.2	< 0.5	151	606	< 1	74	< 2	39	2	< 2	< 10	57	< 0.5	< 2	2.25	38	105	5.62
2441	< 5	< 0.2	< 0.5	308	671	< 1	177	< 2	55	3.67	< 2	< 10	22	< 0.5	< 2	2.17	41	114	5.87
2442	< 5	< 0.2	< 0.5	235	758	< 1	205	< 2	55	2.55	< 2	< 10	17	< 0.5	< 2	1.43	56	151	8.14
2443	< 5	< 0.2	0.6	405	636	< 1	180	< 2	45	1.53	< 2	< 10	21	< 0.5	< 2	1.33	63	139	8.05
2444	< 5	< 0.2	< 0.5	166	573	< 1	82	< 2	39	2.44	< 2	< 10	27	< 0.5	< 2	2.4	33	105	4.99
2445	< 5	< 0.2	< 0.5	367	702	< 1	151	< 2	50	2.49	< 2	< 10	74	< 0.5	< 2	2.39	56	110	6.87
2446	< 5	< 0.2	< 0.5	164	672	< 1	145	< 2	50	3.16	< 2	< 10	31	< 0.5	< 2	3.1	37	186	5.37
2447	< 5	< 0.2	< 0.5	253	598	< 1	145	< 2	46	2.97	< 2	< 10	66	< 0.5	< 2	2.36	44	151	5.33
2448	< 5	< 0.2	< 0.5	136	544	< 1	100	< 2	39	3.71	< 2	< 10	41	< 0.5	< 2	3.48	37	141	4.52
2449	< 5	< 0.2	< 0.5	143	473	< 1	95	< 2	33	3.72	< 2	< 10	33	< 0.5	< 2	2.98	32	102	4.15
2450	< 5	< 0.2	< 0.5	200	768	< 1	143	< 2	54	3.95	2	< 10	21	< 0.5	< 2	3.51	42	161	6.37
2451	< 5	< 0.2	< 0.5	45	1130	< 1	136	< 2	61	3.54	< 2	< 10	18	< 0.5	< 2	5.64	47	148	7.88
2452	< 5	< 0.2	< 0.5	136	758	< 1	188	< 2	60	3.53	< 2	< 10	21	< 0.5	< 2	1.82	51	128	7.05
2453	< 5	0.2	< 0.5	547	699	< 1	611	5	62	2.43	< 2	< 10	36	< 0.5	< 2	1.14	83	141	9.35
2454	< 5	< 0.2	1.3	176	983	< 1	209	51	228	3.74	3	< 10	54	< 0.5	< 2	0.76	58	113	9.95
2455	7	0.2	< 0.5	909	674	< 1	960	< 2	59	2.26	2	< 10	49	< 0.5	< 2	0.48	204	100	12.4
2456	11	0.7	0.7	3730	440	< 1	2470	< 2	63	1.18	< 2	< 10	12	< 0.5	< 2	0.51	503	80	19
2457	41	0.3	0.7	1450	725	< 1	1180	< 2	57	2.16	< 2	< 10	15	< 0.5	< 2	0.79	185	110	14.1
2458	9	< 0.2	< 0.5	729	962	< 1	239	< 2	84	3.29	< 2	< 10	83	< 0.5	< 2	1.21	67	123	9.15
2459	< 5	< 0.2	< 0.5	298	1010	< 1	233	< 2	85	3.3	< 2	< 10	44	< 0.5	< 2	1.49	61	115	8.28
2460	< 5	< 0.2	< 0.5	75	903	< 1	156	< 2	73	3.11	< 2	< 10	31	< 0.5	< 2	1.57	50	129	7.75
2461	< 5	< 0.2	< 0.5	125	958	< 1	193	< 2	77	3.33	< 2	< 10	28	< 0.5	< 2	1.73	54	134	8.13
2462	< 5	< 0.2	< 0.5	230	755	< 1	176	< 2	60	2.55	< 2	< 10	53	< 0.5	< 2	0.96	61	116	8.19
2463	< 5	< 0.2	< 0.5	163	841	< 1	145	< 2	62	3.13	3	< 10	38	< 0.5	< 2	1.57	50	137	7.59
2464	< 5	< 0.2	< 0.5	268	692	< 1	152	< 2	53	3.04	< 2	< 10	24	< 0.5	< 2	2.39	45	134	5.73
2465	< 5	< 0.2	< 0.5	193	599	< 1	41	< 2	73	2.72	< 2	< 10	61	< 0.5	< 2	2.65	33	39	6.42
2466	< 5	< 0.2	< 0.5	211	753	< 1	151	< 2	65	3.28	< 2	< 10	20	< 0.5	< 2	1.98	49	160	6.5

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2467	9	< 0.2	< 0.5	445	686	< 1	182	< 2	58	2.99	3	< 10	32	< 0.5	< 2	2.39	45	121	5.44
2468	< 5	< 0.2	< 0.5	287	969	< 1	196	< 2	74	3.96	4	< 10	84	< 0.5	< 2	3.41	50	139	7.24
2469	< 5	< 0.2	< 0.5	193	602	< 1	108	< 2	41	3.2	< 2	< 10	19	< 0.5	< 2	2.67	41	101	5.96
2470	< 5	< 0.2	< 0.5	185	439	< 1	113	< 2	32	2.65	4	< 10	16	< 0.5	< 2	2.51	36	125	4.23
2471	< 5	< 0.2	< 0.5	156	591	< 1	107	< 2	49	3.57	< 2	< 10	16	< 0.5	< 2	2.98	39	129	5.41
2472	< 5	< 0.2	< 0.5	339	655	< 1	185	< 2	59	3.11	< 2	< 10	11	< 0.5	< 2	1.46	47	153	6.23
2473	< 5	< 0.2	< 0.5	206	595	< 1	118	< 2	47	3.31	3	< 10	15	< 0.5	< 2	2.38	40	95	5.51
2474	< 5	< 0.2	< 0.5	192	777	< 1	77	< 2	46	2.96	< 2	< 10	14	< 0.5	< 2	3.8	47	86	6.64
2475	< 5	< 0.2	< 0.5	356	705	< 1	157	< 2	53	2.9	< 2	< 10	13	< 0.5	< 2	2.47	56	63	6.62
2248	< 5	< 0.2	< 0.5	181	765	< 1	52	< 2	84	2.73	< 2	< 10	95	< 0.5	< 2	2.74	45	50	7.76
2249	< 5	0.2	0.6	677	474	2	20	< 2	70	1.85	< 2	< 10	264	< 0.5	< 2	1.42	25	24	4.97
2250	< 5	< 0.2	< 0.5	242	880	1	125	< 2	90	3.21	< 2	< 10	195	< 0.5	< 2	3.11	35	204	7.45
2251	< 5	< 0.2	< 0.5	182	941	< 1	165	8	113	3.54	< 2	< 10	164	< 0.5	< 2	3.15	37	258	8.11
2252	< 5	< 0.2	0.6	214	895	1	153	12	119	3.3	< 2	< 10	154	< 0.5	< 2	3.07	35	256	7.39
2253	< 5	< 0.2	< 0.5	149	1090	< 1	29	< 2	84	3.14	< 2	< 10	97	< 0.5	< 2	4.58	42	39	8.58
2254	< 5	< 0.2	< 0.5	132	995	< 1	24	< 2	70	2.61	< 2	< 10	106	< 0.5	< 2	4.38	32	30	7.37
2255	6	< 0.2	< 0.5	250	274	3	5	2	23	0.91	< 2	< 10	43	< 0.5	< 2	1.3	11	18	2.08
2256	< 5	< 0.2	< 0.5	104	361	1	14	< 2	47	1.44	< 2	< 10	49	< 0.5	< 2	0.88	13	66	3.49
2257	< 5	< 0.2	< 0.5	265	217	3	5	3	44	1.24	< 2	< 10	116	< 0.5	< 2	0.8	11	15	2.76
2258	< 5	0.2	< 0.5	497	235	1	6	10	72	1.44	< 2	< 10	183	< 0.5	< 2	0.72	12	27	3.42
2259	< 5	0.6	< 0.5	1550	402	< 1	10	4	63	1.67	< 2	< 10	145	< 0.5	< 2	1.23	20	18	4.32
2260	< 5	< 0.2	< 0.5	125	908	< 1	26	< 2	73	2.57	< 2	< 10	15	< 0.5	< 2	2.67	41	27	7.03
2261	< 5	< 0.2	< 0.5	134	919	< 1	27	< 2	77	2.64	< 2	< 10	21	< 0.5	< 2	2.71	45	36	7.32
2262	< 5	< 0.2	< 0.5	131	1240	< 1	30	< 2	91	3.3	< 2	< 10	30	< 0.5	< 2	4.81	52	40	10.3
2263	6	0.2	< 0.5	509	542	1	9	< 2	54	1.76	< 2	< 10	43	< 0.5	< 2	2.28	20	19	4.61
2264	23	0.8	0.5	1640	329	3	11	4	42	1.28	< 2	< 10	89	< 0.5	< 2	2.05	15	34	3.56
2265	12	0.5	< 0.5	1110	325	2	7	2	42	1.58	< 2	< 10	83	< 0.5	< 2	1.88	17	17	4.06
2266	26	0.7	0.6	1580	528	< 1	13	< 2	53	1.83	< 2	< 10	44	< 0.5	< 2	3.34	23	24	5.12
2267	< 5	< 0.2	0.6	220	962	< 1	50	< 2	83	3.45	< 2	< 10	11	< 0.5	< 2	5.59	38	79	9.64
2268	8	< 0.2	< 0.5	423	622	1	22	< 2	57	2.03	< 2	< 10	34	< 0.5	< 2	4.05	24	38	5.49
2269	16	0.7	0.7	1570	178	1	4	< 2	59	0.98	< 2	< 10	66	< 0.5	< 2	1.14	11	12	2.55
2270	< 5	< 0.2	< 0.5	337	405	< 1	11	5	94	1.94	< 2	< 10	38	< 0.5	< 2	1.64	18	29	4.76
2271	< 5	< 0.2	< 0.5	547	189	2	2	< 2	87	1.07	< 2	< 10	91	< 0.5	< 2	0.71	8	15	2.73
2272	6	0.4	< 0.5	925	218	2	1	11	52	1.01	< 2	< 10	84	< 0.5	< 2	1.77	9	11	2.25
2273	11	0.4	< 0.5	838	212	2	2	5	61	0.92	< 2	< 10	98	< 0.5	< 2	1.67	7	28	2
2274	< 5	0.6	0.7	1100	225	1	1	9	156	1.09	< 2	< 10	83	< 0.5	< 2	1.17	12	12	2.73
2275	6	0.3	< 0.5	530	181	1	1	11	108	0.95	< 2	< 10	92	< 0.5	< 2	1.35	10	9	2
2276	< 5	< 0.2	< 0.5	51	157	< 1	2	7	51	0.96	< 2	< 10	99	< 0.5	< 2	0.9	4	43	1.7
2277	7	< 0.2	< 0.5	274	599	< 1	19	2	79	2.08	< 2	< 10	49	< 0.5	< 2	3.15	30	41	5.4
2278	< 5	< 0.2	0.6	138	970	< 1	34	2	118	3.4	< 2	< 10	< 10	< 0.5	< 2	5.19	39	63	9.04
2279	< 5	< 0.2	0.5	129	148	< 1	2	5	71	0.61	< 2	< 10	80	< 0.5	< 2	1.16	4	45	0.99
2280	< 5	< 0.2	< 0.5	19	151	< 1	< 1	4	22	0.73	< 2	< 10	88	< 0.5	< 2	1.38	3	13	0.97
2281	< 5	< 0.2	< 0.5	53	592	< 1	91	< 2	49	2.76	< 2	< 10	11	< 0.5	< 2	3.93	34	207	5.89
2282	< 5	< 0.2	< 0.5	51	356	< 1	59	< 2	45	1.8	2	< 10	< 10	< 0.5	< 2	2.01	27	160	3.59
2283	< 5	< 0.2	< 0.5	71	295	< 1	27	< 2	40	1.57	< 2	< 10	12	< 0.5	< 2	1.83	22	48	2.87
2284	< 5	< 0.2	< 0.5	38	249	< 1	22	< 2	25	1.37	< 2	< 10	15	< 0.5	< 2	1.26	18	40	2.31
2285	5	< 0.2	< 0.5	93	401	< 1	51	< 2	35	1.95	< 2	< 10	11	< 0.5	< 2	1.67	32	138	3.95
2286	< 5	< 0.2	< 0.5	139	367	< 1	47	< 2	29	1.87	< 2	< 10	11	< 0.5	< 2	1.96	32	128	3.76

Report: A10-9724
Report Date: 2/2/2011

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2287	< 5	< 0.2	< 0.5	123	334	< 1	45	< 2	29	1.86	< 2	< 10	11	< 0.5	< 2	2.01	28	86	3.62
2288	< 5	< 0.2	< 0.5	78	435	< 1	75	< 2	34	2.44	< 2	< 10	12	< 0.5	< 2	2.41	35	138	4.55
2289	< 5	< 0.2	< 0.5	101	344	< 1	78	< 2	31	2.59	< 2	< 10	22	< 0.5	< 2	1.95	31	91	3.57
2290	< 5	< 0.2	0.5	41	923	< 1	25	5	120	1.01	< 2	< 10	71	0.8	< 2	1.76	35	9	9.09
2291	< 5	< 0.2	0.5	40	845	< 1	21	5	114	1.11	< 2	< 10	75	0.8	< 2	1.82	33	9	8.56
2476	< 5	< 0.2	1	257	1020	< 1	140	< 2	66	3.04	3	< 10	95	< 0.5	< 2	4.49	57	131	9.07
2477	9	0.2	< 0.5	562	952	< 1	182	< 2	72	3.4	< 2	< 10	164	< 0.5	< 2	3.91	41	121	8.85
2478	6	0.2	< 0.5	400	843	< 1	175	< 2	85	3.47	2	< 10	128	< 0.5	< 2	2.44	60	99	9.86
2479	< 5	< 0.2	< 0.5	45	819	< 1	5	< 2	62	2.46	< 2	< 10	359	< 0.5	< 2	4.56	28	18	6.53
2480	< 5	< 0.2	< 0.5	139	315	< 1	15	4	69	1.63	< 2	< 10	65	< 0.5	< 2	1.45	25	16	5.58
2481	< 5	< 0.2	< 0.5	145	328	< 1	18	< 2	72	1.71	9	< 10	53	< 0.5	< 2	1.53	27	12	5.55
2482	< 5	< 0.2	< 0.5	133	330	< 1	44	< 2	61	2.16	4	< 10	66	< 0.5	< 2	1.63	31	33	4.88
2483	< 5	< 0.2	< 0.5	138	386	< 1	63	< 2	39	2.5	< 2	< 10	27	< 0.5	< 2	2.37	31	67	4.12
2484	18	< 0.2	< 0.5	91	364	< 1	55	< 2	35	2.43	< 2	< 10	24	< 0.5	< 2	2.49	25	98	3.39
2485	< 5	< 0.2	< 0.5	132	326	< 1	42	< 2	27	2.24	< 2	< 10	23	< 0.5	< 2	2.35	20	81	2.83
2486	< 5	< 0.2	< 0.5	149	388	< 1	80	< 2	34	2.26	< 2	< 10	32	< 0.5	< 2	1.87	33	95	4.1
2487	< 5	< 0.2	< 0.5	94	400	< 1	68	< 2	35	2.64	< 2	< 10	28	< 0.5	< 2	2.19	28	132	3.94
2488	< 5	< 0.2	< 0.5	190	377	< 1	49	< 2	29	2.05	< 2	< 10	18	< 0.5	< 2	2.36	30	101	3.68
2489	5	< 0.2	< 0.5	141	353	< 1	65	< 2	31	2.25	< 2	< 10	22	< 0.5	< 2	2.04	29	108	3.54
2490	< 5	< 0.2	< 0.5	89	313	< 1	59	< 2	26	2.29	< 2	< 10	30	< 0.5	< 2	2.4	24	119	3.05
2491	< 5	< 0.2	< 0.5	101	357	< 1	68	< 2	31	2.74	< 2	< 10	28	< 0.5	< 2	2.24	29	104	3.55
2492	< 5	< 0.2	< 0.5	94	372	< 1	66	< 2	36	2.91	< 2	< 10	30	< 0.5	< 2	1.92	26	84	3.75
2493	< 5	< 0.2	< 0.5	398	518	< 1	300	< 2	50	2.23	< 2	< 10	42	< 0.5	< 2	0.88	80	157	7.88
2494	7	< 0.2	< 0.5	263	454	< 1	107	< 2	38	1.86	< 2	< 10	68	< 0.5	< 2	1.52	46	120	5.9
2495	< 5	< 0.2	< 0.5	96	350	< 1	47	< 2	28	2.09	< 2	< 10	39	< 0.5	< 2	1.78	24	66	3.34
2496	< 5	< 0.2	< 0.5	96	367	< 1	61	< 2	30	2.99	< 2	< 10	36	< 0.5	< 2	2.05	28	83	3.75
2497	7	< 0.2	< 0.5	62	264	< 1	38	< 2	21	2.21	3	< 10	22	< 0.5	< 2	1.77	17	57	2.33
2498	< 5	< 0.2	< 0.5	249	369	< 1	80	< 2	30	2.44	< 2	< 10	24	< 0.5	< 2	1.72	28	60	3.51
2499	7	< 0.2	< 0.5	166	398	< 1	66	< 2	34	2.74	2	< 10	21	< 0.5	< 2	2	32	76	4.14
2500	16	< 0.2	< 0.5	259	459	< 1	89	< 2	32	2.28	< 2	< 10	21	< 0.5	< 2	2.23	48	126	5.76
2501	10	< 0.2	< 0.5	144	628	< 1	82	< 2	50	2.97	< 2	< 10	52	< 0.5	< 2	2.93	37	120	6.02
2502	5	< 0.2	< 0.5	147	852	< 1	87	< 2	65	3.47	< 2	< 10	41	< 0.5	< 2	3.89	42	109	7.12
2503	< 5	< 0.2	< 0.5	164	568	< 1	89	< 2	52	2.98	< 2	< 10	71	< 0.5	< 2	2.17	40	104	6.23
2504	22	< 0.2	< 0.5	97	795	< 1	62	< 2	58	2.68	< 2	< 10	84	< 0.5	< 2	5.16	36	115	5.95
2505	5	< 0.2	< 0.5	36	703	< 1	5	< 2	56	2.17	< 2	< 10	193	< 0.5	< 2	3.87	25	4	5.55
2506	5	< 0.2	< 0.5	46	667	< 1	25	< 2	51	2.44	< 2	< 10	188	< 0.5	< 2	4.49	23	24	5.02
2507	< 5	< 0.2	< 0.5	68	583	< 1	54	< 2	53	3.19	2	< 10	121	< 0.5	< 2	3.47	32	54	5.26
2508	< 5	< 0.2	< 0.5	115	509	< 1	66	< 2	51	2.84	< 2	< 10	131	< 0.5	< 2	2.61	36	91	5.27
2509	< 5	< 0.2	< 0.5	101	440	< 1	60	< 2	38	2.69	< 2	< 10	67	< 0.5	< 2	2.08	31	84	4.21
2510	< 5	< 0.2	< 0.5	95	548	< 1	62	< 2	46	2.69	< 2	< 10	157	< 0.5	< 2	2.29	33	114	4.84
2511	< 5	< 0.2	< 0.5	20	96	3	2	5	9	0.44	< 2	< 10	99	< 0.5	< 2	0.37	4	13	0.83
2512	< 5	< 0.2	< 0.5	64	67	< 1	1	7	13	0.33	< 2	< 10	58	< 0.5	< 2	0.3	4	15	0.65
2513	5	< 0.2	< 0.5	206	76	2	2	5	8	0.37	< 2	< 10	70	< 0.5	< 2	0.31	4	20	0.75
2514	17	< 0.2	< 0.5	93	877	< 1	72	< 2	60	3.15	< 2	< 10	178	< 0.5	< 2	4.3	34	154	6.43
2515	< 5	< 0.2	< 0.5	117	489	< 1	67	< 2	35	2.4	< 2	< 10	72	< 0.5	< 2	2.44	35	97	4.42
2516	15	< 0.2	< 0.5	116	483	< 1	65	< 2	39	2.58	< 2	< 10	57	< 0.5	< 2	2.05	32	107	4.5
2517	< 5	< 0.2	< 0.5	27	95	< 1	2	3	9	0.43	< 2	< 10	96	< 0.5	< 2	0.38	3	20	0.83
2518	< 5	< 0.2	< 0.5	49	223	< 1	17	3	18	1.06	< 2	< 10	125	< 0.5	< 2	0.94	10	46	1.82

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2519	< 5	< 0.2	< 0.5	101	284	< 1	33	2	24	1.53	< 2	< 10	166	< 0.5	< 2	1.55	14	57	2.42
2520	5	< 0.2	< 0.5	6	99	1	1	3	7	0.41	< 2	< 10	120	< 0.5	< 2	0.4	3	15	0.86
2521	< 5	< 0.2	< 0.5	7	129	< 1	2	4	9	0.53	< 2	< 10	118	< 0.5	< 2	0.57	5	26	1.09
2522	< 5	< 0.2	< 0.5	82	510	< 1	52	< 2	41	2.24	< 2	< 10	158	< 0.5	< 2	2.29	25	107	3.92
2523	< 5	< 0.2	< 0.5	87	577	< 1	70	< 2	43	2.11	< 2	< 10	115	< 0.5	< 2	2.24	29	53	4.42
2524	< 5	< 0.2	< 0.5	104	484	< 1	66	< 2	44	2.03	< 2	< 10	92	< 0.5	< 2	1.73	28	47	4.06
2525	< 5	< 0.2	< 0.5	153	551	< 1	82	3	51	2.75	< 2	< 10	69	< 0.5	< 2	2.28	32	49	4.53
2526	< 5	< 0.2	< 0.5	104	488	< 1	62	< 2	49	2.04	< 2	< 10	86	< 0.5	< 2	1.67	28	43	3.98
2527	7	< 0.2	< 0.5	67	392	< 1	41	3	49	1.71	< 2	< 10	222	< 0.5	< 2	1.33	21	38	3.42
2528	5	< 0.2	< 0.5	48	370	< 1	39	5	52	2.23	3	< 10	109	< 0.5	< 2	1.75	21	52	2.98
2529	< 5	0.3	0.9	312	571	< 1	126	29	218	2.39	< 2	< 10	131	< 0.5	< 2	1.37	45	72	5.62
2530	< 5	< 0.2	0.7	192	499	< 1	35	23	127	1.91	< 2	< 10	125	< 0.5	< 2	2.38	33	29	5.13
2531	< 5	< 0.2	< 0.5	98	409	< 1	51	4	55	2.8	< 2	< 10	102	< 0.5	< 2	2.94	23	59	3.63
2532	< 5	< 0.2	0.7	39	806	< 1	26	7	161	1.14	< 2	< 10	98	1.1	< 2	2.32	37	10	9.67
2533	< 5	< 0.2	0.6	39	902	< 1	26	6	133	1.13	< 2	< 10	105	0.9	< 2	2.31	37	12	9.78
2534	< 5	< 0.2	0.6	38	829	< 1	26	9	146	1.22	< 2	< 10	101	0.9	< 2	2.36	40	10	9.6
2535	< 5	< 0.2	1.6	73	698	< 1	24	13	295	1.87	< 2	11	150	0.9	< 2	2.99	32	24	7.23
2536	5	< 0.2	< 0.5	419	492	< 1	85	< 2	52	2.31	< 2	< 10	96	< 0.5	< 2	2.55	37	46	4.39
2537	< 5	< 0.2	< 0.5	214	425	< 1	72	4	35	2.05	< 2	< 10	54	< 0.5	< 2	2.26	31	47	3.49
2538	< 5	< 0.2	< 0.5	253	468	< 1	55	< 2	36	1.96	< 2	< 10	21	< 0.5	< 2	1.98	35	46	4.01
2539	< 5	< 0.2	< 0.5	115	344	< 1	50	< 2	29	1.92	< 2	< 10	28	< 0.5	< 2	1.77	23	38	2.7
2540	< 5	< 0.2	0.6	48	946	< 1	27	4	126	1.19	< 2	< 10	123	1.1	< 2	2.28	36	14	9.38
2541	< 5	< 0.2	0.5	40	980	< 1	25	5	129	0.81	< 2	< 10	79	0.9	< 2	1.97	37	11	9.77
2542	< 5	0.3	1.1	198	620	< 1	82	27	184	3.01	< 2	< 10	24	< 0.5	< 2	1.97	38	51	5.75
2543	< 5	0.8	3.5	246	518	< 1	76	68	508	2.75	< 2	< 10	30	< 0.5	< 2	1.7	36	39	4.76
2544	< 5	0.5	1.7	228	471	< 1	81	85	286	2.08	< 2	< 10	27	< 0.5	< 2	1.92	34	55	4.09
2545	< 5	< 0.2	< 0.5	93	473	< 1	61	< 2	68	2.32	< 2	< 10	21	< 0.5	< 2	1.75	31	70	4.14
2546	< 5	< 0.2	< 0.5	143	573	< 1	20	< 2	68	2.3	< 2	< 10	44	< 0.5	< 2	2.31	30	18	6.36
2547	< 5	< 0.2	< 0.5	149	627	< 1	24	2	63	2.26	< 2	10	49	< 0.5	< 2	2.61	33	24	6.53
2548	< 5	< 0.2	< 0.5	175	578	< 1	94	5	88	2.06	< 2	< 10	60	< 0.5	< 2	2.54	42	49	5.9
2549	< 5	< 0.2	< 0.5	135	153	< 1	18	4	18	0.66	< 2	< 10	82	< 0.5	< 2	0.79	13	21	1.46
2550	< 5	< 0.2	< 0.5	75	596	< 1	211	< 2	58	2.58	2	< 10	299	< 0.5	< 2	2.35	38	734	5.07
2551	< 5	< 0.2	< 0.5	13	96	3	3	5	13	0.39	< 2	< 10	70	< 0.5	< 2	0.74	3	35	0.7
2552	7	< 0.2	< 0.5	10	117	< 1	3	7	24	0.47	< 2	< 10	54	< 0.5	< 2	0.7	5	17	0.94
2553	< 5	< 0.2	< 0.5	189	475	< 1	63	< 2	46	2.51	< 2	< 10	32	< 0.5	< 2	2.38	33	52	3.97
2554	< 5	< 0.2	< 0.5	183	542	< 1	76	< 2	55	2.74	< 2	< 10	24	< 0.5	< 2	2.02	34	61	4.72
2555	< 5	< 0.2	< 0.5	253	582	< 1	92	< 2	45	2.59	< 2	< 10	19	< 0.5	< 2	2.59	42	71	5.22
2556	< 5	< 0.2	< 0.5	239	556	< 1	89	< 2	42	2.42	< 2	< 10	18	< 0.5	< 2	2.45	42	68	5.08
2557	< 5	< 0.2	< 0.5	220	496	< 1	81	< 2	62	2.14	< 2	< 10	17	< 0.5	< 2	2.42	37	93	4.25
2558	< 5	< 0.2	< 0.5	163	402	< 1	63	15	71	2.13	< 2	< 10	22	< 0.5	< 2	2.13	30	56	3.4
2559	< 5	< 0.2	< 0.5	396	475	< 1	105	2	56	2.5	< 2	< 10	26	< 0.5	< 2	1.84	40	50	4.59
2560	< 5	< 0.2	< 0.5	137	397	< 1	55	< 2	36	2.48	< 2	< 10	20	< 0.5	< 2	1.95	27	47	3.54

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2120	< 10	< 1	0.08	< 10	2.43	0.279	0.007	0.08	< 2	7	36	0.19	< 1	< 2	< 10	117	< 10	4	5
2121	< 10	< 1	0.13	< 10	2.78	0.328	0.003	0.08	< 2	8	38	0.19	< 1	< 2	< 10	127	< 10	2	2
2122	< 10	< 1	0.08	< 10	2.09	0.294	0.005	0.1	< 2	7	43	0.18	2	< 2	< 10	116	< 10	3	2
2123	< 10	< 1	0.1	< 10	1.03	0.379	0.054	0.25	< 2	7	33	0.39	< 1	< 2	< 10	178	< 10	16	31
2124	< 10	2	0.07	< 10	2.89	0.37	0.004	0.1	< 2	6	44	0.12	< 1	< 2	< 10	77	< 10	2	3
2125	< 10	< 1	0.08	< 10	2.72	0.444	0.004	0.12	< 2	6	43	0.14	< 1	< 2	< 10	97	< 10	2	2
2126	< 10	< 1	0.1	< 10	1.61	0.33	0.003	0.07	< 2	4	41	0.08	2	< 2	< 10	62	< 10	2	3
2127	10	< 1	0.09	< 10	2.85	0.329	0.004	0.08	< 2	6	45	0.12	2	< 2	< 10	95	< 10	2	2
2128	< 10	< 1	0.09	< 10	1.73	0.207	0.004	0.09	< 2	7	60	0.19	< 1	< 2	< 10	132	< 10	4	4
2129	< 10	< 1	0.15	< 10	2.94	0.282	0.029	0.06	< 2	9	68	0.17	< 1	< 2	< 10	105	< 10	4	5
2130	10	< 1	0.22	< 10	0.95	0.472	0.059	0.16	< 2	6	44	0.42	5	< 2	< 10	197	< 10	13	15
2131	10	< 1	0.29	10	0.9	0.562	0.06	0.14	2	6	52	0.37	< 1	< 2	< 10	211	< 10	15	12
2132	10	< 1	0.26	11	0.9	0.481	0.063	0.14	< 2	6	47	0.38	< 1	4	< 10	221	< 10	15	13
2133	10	< 1	0.19	< 10	1.08	0.397	0.055	0.13	< 2	5	41	0.35	4	< 2	< 10	223	< 10	14	15
2134	10	< 1	0.19	< 10	0.91	0.448	0.053	0.13	< 2	5	46	0.33	3	< 2	< 10	221	< 10	13	12
2135	< 10	< 1	0.16	< 10	0.79	0.406	0.044	0.1	< 2	4	42	0.3	3	< 2	< 10	182	< 10	11	11
2136	10	< 1	0.22	< 10	0.88	0.499	0.06	0.13	< 2	6	48	0.34	3	< 2	< 10	221	< 10	15	14
2137	10	< 1	0.23	10	0.82	0.508	0.06	0.13	< 2	6	48	0.33	4	< 2	< 10	217	< 10	15	12
2138	10	< 1	0.19	< 10	0.99	0.485	0.06	0.15	< 2	7	43	0.41	2	< 2	< 10	200	< 10	14	16
2139	< 10	< 1	0.15	< 10	1.37	0.336	0.004	0.06	< 2	4	46	0.11	< 1	< 2	< 10	91	< 10	2	1
2140	< 10	< 1	0.15	< 10	1.04	0.352	0.004	0.11	< 2	4	53	0.13	< 1	< 2	< 10	105	< 10	3	1
2141	< 10	< 1	0.11	< 10	2.13	0.297	0.002	0.05	< 2	5	37	0.1	< 1	< 2	< 10	92	< 10	2	1
2142	10	< 1	0.11	< 10	2.06	0.505	0.003	0.09	< 2	5	50	0.15	< 1	< 2	< 10	114	< 10	2	1
2143	10	< 1	0.12	< 10	1.6	0.581	0.003	0.09	< 2	4	64	0.14	< 1	< 2	< 10	102	< 10	2	1
2144	< 10	< 1	0.11	< 10	1.47	0.536	0.003	0.1	< 2	4	61	0.12	< 1	< 2	< 10	91	< 10	2	1
2145	< 10	< 1	0.11	< 10	1.28	0.425	0.006	0.15	< 2	5	47	0.21	3	< 2	< 10	136	< 10	3	2
2146	< 10	< 1	0.1	< 10	1.56	0.327	0.008	0.18	< 2	7	36	0.26	< 1	< 2	< 10	213	< 10	3	2
2147	< 10	< 1	0.08	< 10	2.11	0.184	0.011	0.18	< 2	8	24	0.25	< 1	< 2	< 10	182	< 10	5	2
2148	< 10	< 1	0.1	< 10	1.8	0.214	0.006	0.1	< 2	5	31	0.19	< 1	< 2	< 10	114	< 10	3	2
2149	< 10	< 1	0.1	< 10	2.28	0.234	0.004	0.15	< 2	6	29	0.22	2	< 2	< 10	144	< 10	2	2
2150	< 10	< 1	0.06	13	1.7	0.175	0.018	0.05	< 2	6	30	0.19	2	< 2	< 10	90	< 10	9	7
2151	10	< 1	0.1	< 10	2.27	0.239	0.008	0.13	< 2	7	32	0.24	2	< 2	< 10	143	< 10	5	3
2152	< 10	< 1	0.05	< 10	2.12	0.151	0.013	0.08	< 2	7	19	0.21	< 1	< 2	< 10	91	< 10	6	5
2153	< 10	< 1	0.1	< 10	2.04	0.223	0.01	0.14	< 2	6	23	0.2	5	< 2	< 10	111	< 10	6	5
2357	< 10	< 1	0.12	15	0.94	0.129	0.006	0.01	< 2	4	40	0.13	< 1	< 2	< 10	44	< 10	8	13
2358	< 10	< 1	0.08	< 10	2.17	0.097	0.006	0.06	< 2	6	46	0.23	< 1	< 2	< 10	96	< 10	6	7
2359	< 10	< 1	0.04	< 10	2.94	0.049	0.002	0.06	< 2	6	55	0.26	1	< 2	< 10	138	< 10	2	2
2360	10	1	0.02	< 10	4.05	0.038	0.004	0.16	< 2	10	20	0.23	2	< 2	< 10	197	< 10	4	2
2361	10	2	0.05	< 10	4.04	0.02	0.004	0.43	< 2	14	22	0.25	< 1	< 2	< 10	200	< 10	5	3
2362	10	< 1	0.02	< 10	4.5	0.041	0.002	0.03	< 2	14	13	0.22	< 1	< 2	< 10	159	< 10	4	2
2363	< 10	< 1	0.03	11	2.78	0.066	0.013	0.1	< 2	7	19	0.2	< 1	< 2	< 10	121	< 10	6	6
2364	< 10	< 1	0.05	< 10	2.96	0.048	0.005	0.13	< 2	4	36	0.23	< 1	< 2	< 10	101	< 10	3	3
2365	< 10	< 1	0.05	< 10	2.49	0.085	0.006	0.15	< 2	4	35	0.19	1	< 2	< 10	80	< 10	4	4
2366	< 10	< 1	0.09	< 10	2.72	0.155	0.001	0.11	< 2	5	37	0.21	1	< 2	< 10	99	< 10	1	1
2367	< 10	< 1	0.07	< 10	2.12	0.086	0.001	0.06	< 2	4	39	0.2	< 1	< 2	< 10	81	< 10	2	2
2368	< 10	< 1	0.08	< 10	2.29	0.095	0.001	0.06	< 2	5	50	0.24	1	< 2	< 10	85	< 10	2	2
2369	< 10	< 1	0.09	< 10	2.04	0.102	0.001	0.03	< 2	4	47	0.19	< 1	< 2	< 10	70	< 10	2	2
2370	< 10	< 1	0.12	< 10	1.59	0.18	0.002	0.03	< 2	4	46	0.18	3	< 2	< 10	64	< 10	2	2

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2371	< 10	< 1	0.09	< 10	2.68	0.14	0.003	0.05	< 2	4	34	0.19	3	< 2	< 10	76	< 10	3	3
2372	< 10	< 1	0.1	< 10	1.88	0.164	0.02	0.03	< 2	6	31	0.26	2	< 2	< 10	77	< 10	7	12
2373	< 10	< 1	0.08	16	1.67	0.134	0.008	0.03	< 2	5	29	0.18	2	< 2	< 10	56	< 10	10	10
2374	< 10	< 1	0.05	< 10	2.22	0.092	0.008	0.05	< 2	6	39	0.22	< 1	< 2	< 10	72	< 10	5	4
2375	< 10	< 1	0.1	< 10	1.55	0.136	0.004	0.03	< 2	4	43	0.18	2	< 2	< 10	63	< 10	4	5
2376	< 10	< 1	0.12	12	1.54	0.113	0.006	0.03	< 2	5	36	0.18	< 1	< 2	< 10	66	< 10	6	9
2377	< 10	< 1	0.2	< 10	2.07	0.149	0.004	0.04	< 2	6	32	0.2	2	< 2	< 10	73	< 10	5	9
2378	< 10	< 1	0.22	< 10	2.18	0.198	0.002	0.03	< 2	7	41	0.23	< 1	< 2	< 10	92	< 10	7	6
2379	< 10	< 1	0.16	14	1.56	0.121	0.005	0.02	< 2	5	42	0.18	3	< 2	< 10	61	< 10	12	11
2380	< 10	< 1	0.11	16	1.32	0.13	0.004	0.04	< 2	5	49	0.18	< 1	< 2	< 10	56	< 10	10	8
2381	< 10	< 1	0.06	< 10	2.68	0.084	0.002	0.1	< 2	4	31	0.2	< 1	< 2	< 10	71	< 10	2	3
2382	< 10	< 1	0.08	< 10	3.26	0.172	0.003	0.05	< 2	3	27	0.16	2	< 2	< 10	64	< 10	1	1
2383	< 10	< 1	0.06	< 10	2.67	0.086	0.004	0.47	< 2	3	29	0.21	2	< 2	< 10	74	< 10	2	3
2384	< 10	< 1	0.06	< 10	3.02	0.138	0.004	0.08	< 2	4	28	0.19	2	< 2	< 10	84	< 10	2	2
2385	< 10	< 1	0.05	< 10	2.71	0.147	0.003	0.09	< 2	3	38	0.23	3	< 2	< 10	77	< 10	1	1
2386	< 10	< 1	0.06	< 10	2.41	0.146	0.001	0.09	< 2	4	37	0.26	4	< 2	< 10	79	< 10	1	2
2387	10	< 1	0.02	< 10	3.8	0.041	0.002	0.06	< 2	15	53	0.22	< 1	< 2	< 10	164	< 10	3	2
2388	20	3	< 0.01	< 10	5.86	0.024	0.002	0.03	< 2	22	37	0.25	2	< 2	< 10	191	< 10	5	3
2389	10	2	0.34	< 10	4.69	0.022	0.005	0.41	< 2	22	59	0.32	< 1	< 2	< 10	403	< 10	6	4
2390	10	< 1	0.71	< 10	2.75	0.042	0.006	0.53	< 2	23	77	0.28	< 1	< 2	< 10	268	< 10	9	7
2391	10	< 1	1.06	19	2.79	0.072	0.093	0.07	< 2	17	80	0.23	< 1	< 2	< 10	170	< 10	10	14
2392	10	< 1	2.61	35	2.9	0.076	0.214	0.18	< 2	18	169	0.35	6	< 2	< 10	191	< 10	15	8
2393	10	1	2.8	35	3.2	0.085	0.214	0.11	< 2	19	146	0.37	2	< 2	< 10	186	< 10	14	11
2394	10	< 1	0.93	19	2.8	0.072	0.111	0.17	< 2	16	140	0.25	2	< 2	< 10	161	< 10	9	11
2395	10	2	0.04	< 10	3.78	0.061	0.006	0.04	< 2	15	65	0.2	< 1	< 2	< 10	193	< 10	3	2
2396	< 10	< 1	0.07	< 10	3.22	0.052	0.01	0.33	< 2	10	48	0.34	2	< 2	< 10	218	< 10	6	3
2397	< 10	< 1	0.02	< 10	3.42	0.054	0.002	0.02	< 2	4	57	0.22	< 1	< 2	< 10	137	< 10	1	2
2398	< 10	2	0.04	< 10	2.38	0.052	0.015	0.44	< 2	9	11	0.23	2	< 2	< 10	176	< 10	7	4
2399	< 10	< 1	0.03	< 10	1.81	0.077	0.023	0.26	< 2	13	5	0.22	4	< 2	< 10	131	< 10	10	6
2400	< 10	< 1	0.05	< 10	2.39	0.171	0.002	0.04	< 2	4	50	0.22	2	< 2	< 10	89	< 10	1	1
2401	< 10	< 1	0.08	< 10	1.93	0.172	0.001	0.03	< 2	3	46	0.2	< 1	< 2	< 10	88	< 10	1	1
2402	10	< 1	0.05	< 10	2.39	0.093	0.007	0.54	< 2	9	7	0.19	2	< 2	< 10	179	< 10	4	4
2403	< 10	2	0.05	< 10	1.93	0.131	0.008	1.74	< 2	10	11	0.21	< 1	< 2	< 10	183	< 10	5	4
2404	< 10	< 1	0.07	< 10	2.1	0.21	0.006	0.21	< 2	10	30	0.28	< 1	< 2	< 10	206	< 10	4	3
2405	10	< 1	0.09	< 10	2.28	0.099	0.02	0.72	< 2	10	9	0.23	1	< 2	< 10	225	< 10	5	4
2406	10	2	0.05	< 10	2.13	0.075	0.013	0.42	2	10	5	0.25	2	< 2	< 10	278	< 10	6	4
2407	10	< 1	0.09	< 10	1.72	0.15	0.004	0.84	< 2	7	20	0.3	2	< 2	< 10	265	< 10	3	3
2408	< 10	< 1	0.06	< 10	2	0.214	0.003	0.08	< 2	8	40	0.27	2	< 2	< 10	160	< 10	3	2
2409	< 10	< 1	0.07	< 10	2.07	0.242	0.002	0.13	< 2	5	45	0.27	2	< 2	< 10	138	< 10	2	2
2410	< 10	< 1	0.07	< 10	1.52	0.285	0.001	0.09	< 2	6	52	0.27	3	< 2	< 10	124	< 10	3	2
2411	< 10	< 1	0.08	< 10	1.7	0.203	0.002	0.1	< 2	6	42	0.35	2	< 2	< 10	167	< 10	3	2
2412	10	< 1	0.18	< 10	2.87	0.059	0.005	0.29	< 2	11	21	0.37	3	< 2	< 10	289	< 10	6	3
2413	< 10	< 1	0.1	< 10	2.08	0.205	0.001	0.06	< 2	5	40	0.2	2	< 2	< 10	99	< 10	3	1
2414	10	< 1	0.05	< 10	1.8	0.072	0.004	1.77	2	8	7	0.29	< 1	< 2	< 10	335	< 10	4	4
2415	10	2	0.25	< 10	2.09	0.136	0.004	0.18	< 2	10	22	0.46	6	< 2	< 10	348	< 10	5	3
2416	10	< 1	0.3	< 10	2.47	0.055	0.006	0.68	< 2	8	5	0.2	< 1	< 2	< 10	193	< 10	6	5
2417	< 10	< 1	0.25	< 10	2.34	0.068	0.008	0.25	< 2	11	22	0.26	< 1	< 2	< 10	165	< 10	7	4
2418	< 10	< 1	0.04	< 10	2.35	0.086	0.004	0.08	< 2	5	34	0.24	2	< 2	< 10	115	< 10	3	2

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2419	< 10	< 1	0.07	< 10	2.19	0.211	0.003	0.03	< 2	4	55	0.21	< 1	< 2	< 10	89	< 10	2	2
2420	< 10	1	0.37	< 10	1.69	0.106	0.007	0.92	< 2	9	21	0.4	4	< 2	< 10	379	< 10	5	5
2421	< 10	< 1	0.17	< 10	1.94	0.129	0.006	0.14	< 2	12	39	0.39	< 1	< 2	< 10	207	< 10	11	5
2422	< 10	< 1	0.07	< 10	2.25	0.18	0.003	0.18	< 2	6	44	0.26	5	< 2	< 10	125	< 10	3	2
2423	< 10	< 1	0.14	< 10	1.65	0.143	0.008	0.69	< 2	9	17	0.3	4	< 2	< 10	200	< 10	8	9
2424	< 10	< 1	0.06	< 10	2.58	0.318	0.002	0.07	< 2	4	67	0.29	3	< 2	< 10	101	< 10	1	2
2425	< 10	< 1	0.09	< 10	2.39	0.318	0.002	0.19	< 2	4	98	0.27	3	< 2	< 10	92	< 10	3	2
2426	10	< 1	1.05	16	2.6	0.207	0.104	0.14	< 2	10	141	0.33	< 1	< 2	< 10	151	< 10	8	18
2427	< 10	< 1	0.08	< 10	2.47	0.205	0.002	0.08	< 2	6	66	0.33	< 1	< 2	< 10	133	< 10	2	3
2428	10	< 1	0.07	< 10	2.56	0.39	0.002	0.12	< 2	5	65	0.22	1	< 2	< 10	121	< 10	2	2
2429	< 10	< 1	0.06	< 10	1.96	0.462	0.004	0.08	< 2	6	73	0.25	< 1	< 2	< 10	140	< 10	3	2
2430	< 10	< 1	0.07	12	2.02	0.28	0.018	0.06	< 2	5	55	0.23	1	< 2	< 10	103	< 10	7	6
2431	10	< 1	0.06	< 10	2.34	0.249	0.005	0.05	2	6	60	0.24	1	< 2	< 10	126	< 10	4	3
2432	10	< 1	0.1	10	2.17	0.47	0.004	0.07	< 2	7	61	0.29	< 1	2	< 10	177	< 10	4	3
2433	< 10	< 1	0.16	< 10	1.85	0.276	0.009	0.09	< 2	9	49	0.35	2	< 2	< 10	154	< 10	8	5
2434	< 10	< 1	0.12	< 10	1.75	0.208	0.009	0.14	< 2	13	44	0.42	< 1	< 2	< 10	203	< 10	9	5
2435	< 10	< 1	0.14	< 10	2.13	0.234	0.011	0.12	< 2	12	40	0.35	4	< 2	< 10	171	< 10	8	4
2436	< 10	< 1	0.06	< 10	1.83	0.314	0.014	0.05	< 2	11	47	0.32	1	< 2	< 10	149	< 10	9	4
2437	< 10	< 1	0.09	< 10	1.77	0.278	0.008	0.13	< 2	14	38	0.4	2	< 2	< 10	184	< 10	12	6
2438	< 10	1	0.08	< 10	1.67	0.359	0.004	0.1	< 2	6	54	0.24	< 1	< 2	< 10	108	< 10	3	2
2439	< 10	< 1	0.11	< 10	1.56	0.278	0.035	0.17	< 2	13	45	0.38	6	< 2	< 10	204	< 10	15	7
2440	< 10	< 1	0.16	< 10	1.73	0.189	0.018	0.2	< 2	12	24	0.34	2	< 2	< 10	183	< 10	14	7
2441	10	< 1	0.06	< 10	2.78	0.271	0.003	0.1	< 2	5	42	0.18	< 1	< 2	< 10	91	< 10	2	2
2442	10	3	0.06	< 10	2.73	0.114	0.007	0.34	< 2	9	12	0.24	2	< 2	< 10	160	< 10	7	4
2443	< 10	< 1	0.06	< 10	1.99	0.079	0.012	0.54	3	13	5	0.26	< 1	< 2	10	195	< 10	12	7
2444	< 10	< 1	0.08	< 10	1.78	0.238	0.018	0.16	< 2	10	37	0.25	2	< 2	< 10	135	< 10	14	6
2445	10	< 1	0.21	< 10	2.31	0.164	0.011	0.44	< 2	11	25	0.26	< 1	< 2	< 10	162	< 10	12	6
2446	10	< 1	0.07	< 10	2.94	0.176	0.04	0.12	< 2	6	76	0.22	< 1	< 2	< 10	117	< 10	4	6
2447	< 10	< 1	0.17	< 10	2.63	0.186	0.009	0.24	< 2	7	57	0.29	< 1	< 2	< 10	151	< 10	4	4
2448	10	< 1	0.1	< 10	1.92	0.349	0.005	0.11	3	6	76	0.33	6	< 2	< 10	150	< 10	3	2
2449	< 10	< 1	0.09	< 10	1.82	0.41	0.004	0.1	< 2	5	72	0.23	< 1	< 2	< 10	104	< 10	2	2
2450	10	< 1	0.05	< 10	3.31	0.204	0.004	0.11	< 2	6	45	0.2	3	< 2	< 10	143	< 10	2	2
2451	10	2	0.04	< 10	4.1	0.027	0.009	0.14	< 2	10	32	0.23	< 1	< 2	< 10	197	< 10	5	2
2452	10	< 1	0.05	< 10	3.47	0.105	0.006	0.11	< 2	5	26	0.18	< 1	< 2	< 10	98	< 10	3	3
2453	< 10	< 1	0.1	< 10	2.7	0.08	0.008	1.39	< 2	6	13	0.22	1	< 2	< 10	149	< 10	4	5
2454	10	2	0.14	< 10	4.13	0.06	0.012	0.19	< 2	7	7	0.19	< 1	< 2	< 10	124	< 10	3	3
2455	10	2	0.14	< 10	2.6	0.043	0.013	1.96	< 2	6	3	0.17	2	< 2	< 10	138	< 10	4	6
2456	< 10	< 1	0.06	< 10	1.57	0.042	0.012	6.21	4	5	2	0.13	3	< 2	< 10	110	< 10	4	8
2457	10	3	0.14	< 10	2.57	0.067	0.025	3.36	2	10	4	0.18	< 1	< 2	< 10	145	< 10	8	8
2458	10	2	0.22	< 10	3.44	0.1	0.014	0.41	< 2	9	14	0.19	2	< 2	< 10	153	< 10	6	4
2459	10	2	0.11	< 10	3.69	0.08	0.011	0.19	< 2	7	9	0.2	< 1	< 2	< 10	130	< 10	3	3
2460	10	1	0.08	< 10	3.42	0.08	0.025	0.09	< 2	8	13	0.2	2	< 2	< 10	123	< 10	9	5
2461	10	< 1	0.07	< 10	3.84	0.083	0.013	0.06	< 2	7	15	0.2	3	< 2	< 10	117	< 10	4	3
2462	< 10	< 1	0.13	< 10	2.96	0.079	0.014	0.38	< 2	8	6	0.17	2	< 2	< 10	115	< 10	8	5
2463	10	2	0.1	< 10	3.3	0.156	0.007	0.13	< 2	9	31	0.24	4	< 2	< 10	132	< 10	5	3
2464	10	< 1	0.07	< 10	2.71	0.224	0.005	0.16	< 2	7	65	0.26	4	< 2	< 10	126	< 10	3	2
2465	10	< 1	0.21	< 10	1.44	0.429	0.051	0.14	< 2	5	49	0.45	4	< 2	< 10	185	< 10	17	27
2466	10	< 1	0.07	< 10	3.36	0.149	0.01	0.09	< 2	6	54	0.27	3	< 2	< 10	122	< 10	3	4

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2467	< 10	< 1	0.07	< 10	2.93	0.146	0.005	0.21	< 2	5	62	0.2	3	< 2	< 10	91	< 10	3	3
2468	10	< 1	0.23	< 10	4.13	0.158	0.009	0.16	< 2	9	83	0.19	< 1	< 2	< 10	125	< 10	3	3
2469	< 10	< 1	0.08	< 10	2.13	0.364	0.003	0.16	< 2	10	53	0.32	< 1	< 2	< 10	198	< 10	3	2
2470	< 10	< 1	0.05	< 10	1.61	0.251	0.006	0.16	< 2	5	54	0.27	< 1	< 2	< 10	149	< 10	3	2
2471	10	< 1	0.04	< 10	2.23	0.274	0.004	0.11	2	5	66	0.32	< 1	< 2	< 10	207	< 10	2	2
2472	< 10	< 1	0.03	< 10	3.1	0.159	0.003	0.15	< 2	6	31	0.25	< 1	< 2	< 10	129	< 10	2	2
2473	< 10	< 1	0.05	< 10	2.41	0.29	0.004	0.17	< 2	7	52	0.21	3	< 2	< 10	113	< 10	3	2
2474	< 10	< 1	0.07	< 10	2.43	0.257	0.005	0.19	< 2	14	40	0.4	< 1	< 2	< 10	244	< 10	5	2
2475	< 10	< 1	0.06	< 10	2.71	0.196	0.003	0.22	< 2	9	39	0.29	< 1	< 2	< 10	173	< 10	3	2
2248	10	3	0.35	< 10	1.98	0.195	0.058	0.18	< 2	16	42	0.4	4	< 2	< 10	264	< 10	10	4
2249	10	< 1	0.58	26	1.2	0.14	0.056	0.22	3	8	34	0.29	1	< 2	< 10	95	< 10	21	12
2250	10	2	0.68	12	3.24	0.049	0.041	0.08	< 2	15	32	0.29	< 1	< 2	< 10	156	< 10	18	8
2251	10	2	0.57	< 10	3.6	0.058	0.03	0.11	< 2	17	27	0.27	1	< 2	< 10	151	< 10	12	6
2252	10	1	0.52	10	3.27	0.042	0.03	0.14	< 2	16	27	0.25	3	< 2	< 10	140	< 10	12	7
2253	10	< 1	0.26	< 10	2.41	0.048	0.036	0.2	3	11	39	0.36	6	< 2	11	208	< 10	10	7
2254	10	< 1	0.3	< 10	2.14	0.036	0.031	0.16	< 2	9	35	0.29	1	< 2	< 10	184	< 10	10	6
2255	< 10	< 1	0.05	20	0.49	0.123	0.01	0.16	< 2	4	21	0.12	< 1	< 2	< 10	28	< 10	11	12
2256	< 10	< 1	0.06	15	1.06	0.079	0.01	0.06	< 2	5	13	0.15	1	< 2	< 10	44	< 10	8	9
2257	< 10	< 1	0.17	17	0.56	0.1	0.017	0.13	< 2	2	24	0.13	< 1	< 2	< 10	23	< 10	8	11
2258	< 10	< 1	0.33	17	0.64	0.108	0.017	0.21	< 2	3	27	0.14	< 1	< 2	< 10	29	< 10	10	13
2259	< 10	< 1	0.25	14	0.99	0.092	0.021	0.29	< 2	6	30	0.26	4	< 2	< 10	72	< 10	10	13
2260	< 10	< 1	0.06	< 10	2.04	0.156	0.044	0.14	< 2	16	28	0.44	2	< 2	< 10	178	< 10	11	8
2261	< 10	1	0.09	< 10	2.09	0.162	0.042	0.15	2	16	34	0.44	< 1	< 2	< 10	212	< 10	11	7
2262	20	< 1	0.09	< 10	2.88	0.044	0.042	0.22	< 2	26	38	0.37	2	< 2	< 10	281	< 10	14	6
2263	< 10	< 1	0.05	16	1.3	0.089	0.021	0.1	< 2	11	22	0.23	2	< 2	< 10	109	< 10	12	9
2264	< 10	< 1	0.11	16	0.78	0.084	0.041	0.3	< 2	5	21	0.12	< 1	< 2	< 10	41	< 10	13	8
2265	< 10	< 1	0.12	13	0.93	0.078	0.044	0.26	< 2	5	24	0.13	5	< 2	< 10	55	< 10	14	7
2266	10	< 1	0.06	< 10	1.26	0.061	0.044	0.38	< 2	12	36	0.15	< 1	< 2	< 10	121	< 10	14	6
2267	20	2	0.01	< 10	3.13	0.026	0.073	0.16	< 2	30	50	0.25	4	< 2	< 10	283	< 10	17	4
2268	10	< 1	0.05	14	1.6	0.054	0.064	0.16	< 2	15	35	0.2	< 1	< 2	< 10	146	< 10	19	8
2269	< 10	< 1	0.1	16	0.46	0.096	0.008	0.43	< 2	2	19	0.08	2	< 2	< 10	16	< 10	5	10
2270	< 10	< 1	0.05	14	1.31	0.069	0.022	0.18	< 2	9	20	0.17	< 1	< 2	< 10	85	< 10	10	9
2271	< 10	< 1	0.15	20	0.38	0.104	0.012	0.37	< 2	3	26	0.1	< 1	< 2	< 10	17	11	10	13
2272	< 10	< 1	0.15	23	0.36	0.098	0.014	0.25	< 2	2	27	0.08	1	< 2	< 10	13	< 10	14	12
2273	< 10	< 1	0.18	24	0.33	0.09	0.014	0.26	< 2	2	19	0.06	1	< 2	< 10	10	< 10	11	10
2274	< 10	< 1	0.15	21	0.39	0.086	0.012	0.36	< 2	2	19	0.07	< 1	< 2	< 10	14	< 10	9	10
2275	< 10	< 1	0.16	20	0.38	0.083	0.009	0.28	< 2	2	17	0.07	< 1	< 2	< 10	11	< 10	9	9
2276	< 10	< 1	0.14	23	0.46	0.106	0.008	0.04	< 2	2	16	0.03	2	< 2	< 10	6	< 10	9	8
2277	10	< 1	0.06	12	1.61	0.073	0.02	0.21	< 2	16	28	0.18	2	< 2	< 10	140	< 10	11	7
2278	20	1	< 0.01	< 10	2.96	0.031	0.033	0.2	< 2	31	40	0.18	1	< 2	< 10	273	< 10	15	5
2279	< 10	< 1	0.1	17	0.27	0.112	0.006	0.04	< 2	2	18	0.05	< 1	< 2	< 10	12	< 10	6	4
2280	< 10	< 1	0.17	22	0.27	0.119	0.006	0.04	< 2	1	19	0.04	< 1	< 2	< 10	4	< 10	7	9
2281	10	< 1	0.01	11	3.07	0.059	0.045	0.05	< 2	15	65	0.31	4	< 2	< 10	189	< 10	11	7
2282	< 10	< 1	0.02	10	1.83	0.076	0.041	0.05	< 2	5	47	0.26	2	< 2	< 10	121	< 10	6	5
2283	< 10	< 1	0.02	16	1.43	0.097	0.036	0.05	< 2	4	55	0.2	< 1	< 2	< 10	83	< 10	9	7
2284	< 10	< 1	0.03	17	1.16	0.102	0.05	0.06	< 2	4	47	0.16	< 1	< 2	< 10	58	< 10	12	5
2285	< 10	< 1	0.02	< 10	1.79	0.09	0.017	0.07	< 2	7	48	0.29	5	< 2	< 10	124	< 10	4	2
2286	< 10	< 1	0.02	< 10	1.64	0.08	0.011	0.08	< 2	7	58	0.31	2	< 2	< 10	137	< 10	4	2

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2287	< 10	< 1	0.02	< 10	1.62	0.092	0.082	0.06	< 2	7	64	0.23	< 1	< 2	< 10	122	< 10	9	3
2288	< 10	< 1	0.03	< 10	2.3	0.108	0.014	0.06	< 2	9	58	0.32	2	< 2	< 10	178	< 10	5	3
2289	< 10	< 1	0.06	< 10	1.85	0.2	0.015	0.09	< 2	5	82	0.2	< 1	< 2	< 10	98	< 10	4	2
2290	10	< 1	0.33	39	1.73	0.146	0.231	0.13	< 2	4	47	0.19	3	< 2	< 10	138	< 10	31	3
2291	10	< 1	0.32	38	1.59	0.164	0.331	0.13	< 2	4	50	0.3	3	< 2	< 10	124	< 10	31	5
2476	10	< 1	0.33	< 10	3.66	0.019	0.043	0.31	< 2	17	46	0.1	< 1	< 2	< 10	194	< 10	10	7
2477	10	3	0.54	< 10	3.82	0.027	0.074	0.21	< 2	21	49	0.13	< 1	< 2	< 10	218	< 10	14	5
2478	10	2	0.47	14	4.07	0.031	0.021	0.49	< 2	23	30	0.15	< 1	< 2	< 10	213	< 10	10	8
2479	10	< 1	1.13	22	2.8	0.064	0.18	0.28	< 2	17	72	0.23	< 1	< 2	< 10	175	< 10	15	13
2480	< 10	< 1	0.3	15	0.69	0.34	0.076	0.12	3	4	35	0.28	1	< 2	< 10	198	< 10	16	19
2481	< 10	1	0.23	13	0.71	0.322	0.074	0.13	3	4	33	0.3	1	< 2	< 10	211	< 10	15	18
2482	< 10	2	0.25	< 10	1.15	0.312	0.042	0.12	< 2	4	37	0.25	1	< 2	< 10	180	< 10	8	8
2483	< 10	< 1	0.08	< 10	1.37	0.202	0.006	0.14	< 2	5	41	0.24	2	< 2	< 10	171	< 10	4	3
2484	< 10	< 1	0.08	< 10	1.27	0.21	0.003	0.07	< 2	4	36	0.21	< 1	< 2	< 10	139	< 10	3	2
2485	< 10	< 1	0.07	< 10	0.97	0.242	0.003	0.06	< 2	4	46	0.22	< 1	< 2	< 10	114	< 10	3	2
2486	< 10	< 1	0.1	< 10	1.45	0.266	0.006	0.16	< 2	6	35	0.21	1	< 2	< 10	147	< 10	4	3
2487	< 10	< 1	0.08	< 10	1.5	0.303	0.003	0.07	< 2	5	41	0.23	< 1	< 2	< 10	163	< 10	2	2
2488	< 10	< 1	0.07	< 10	1.19	0.284	0.018	0.16	< 2	9	33	0.25	< 1	< 2	< 10	132	< 10	5	2
2489	< 10	1	0.07	< 10	1.26	0.225	0.004	0.14	< 2	5	36	0.23	2	< 2	< 10	150	< 10	3	2
2490	< 10	< 1	0.09	< 10	1.2	0.191	0.003	0.09	< 2	4	37	0.22	< 1	< 2	< 10	128	< 10	3	2
2491	< 10	< 1	0.08	< 10	1.42	0.319	0.003	0.12	< 2	4	45	0.21	< 1	< 2	< 10	144	< 10	2	1
2492	< 10	< 1	0.09	< 10	1.59	0.369	0.004	0.08	< 2	4	46	0.14	< 1	< 2	< 10	89	< 10	2	2
2493	10	< 1	0.13	< 10	2.15	0.11	0.006	0.82	< 2	6	9	0.17	1	< 2	< 10	169	< 10	3	4
2494	< 10	< 1	0.21	< 10	1.35	0.22	0.019	0.38	< 2	8	21	0.21	2	< 2	< 10	244	< 10	6	5
2495	< 10	< 1	0.12	< 10	1.2	0.263	0.01	0.09	< 2	5	35	0.17	< 1	< 2	< 10	113	< 10	5	5
2496	< 10	< 1	0.1	< 10	1.44	0.38	0.003	0.11	< 2	4	49	0.2	< 1	< 2	< 10	155	< 10	2	2
2497	< 10	< 1	0.06	< 10	1.09	0.269	0.005	0.04	< 2	2	36	0.13	1	< 2	< 10	52	< 10	3	4
2498	< 10	< 1	0.06	< 10	1.44	0.308	0.005	0.17	< 2	4	39	0.15	< 1	< 2	< 10	93	< 10	3	4
2499	< 10	< 1	0.07	< 10	1.61	0.287	0.004	0.15	< 2	5	39	0.21	1	< 2	< 10	153	< 10	2	2
2500	< 10	< 1	0.07	< 10	1.59	0.186	0.011	0.46	< 2	7	38	0.3	2	< 2	< 10	416	< 10	3	3
2501	10	< 1	0.13	< 10	2.39	0.206	0.004	0.16	< 2	7	45	0.23	2	< 2	< 10	260	< 10	3	2
2502	10	< 1	0.11	< 10	3.38	0.122	0.001	0.13	< 2	12	50	0.23	< 1	< 2	< 10	268	< 10	2	2
2503	10	< 1	0.18	< 10	2.26	0.184	0.002	0.18	< 2	5	53	0.24	2	< 2	< 10	261	< 10	2	2
2504	10	< 1	0.22	< 10	2.73	0.063	0.023	0.17	< 2	12	59	0.16	< 1	< 2	< 10	203	< 10	4	5
2505	10	< 1	0.48	34	2.39	0.083	0.188	0.13	< 2	11	83	0.19	< 1	< 2	< 10	115	< 10	13	9
2506	10	< 1	0.42	16	2.16	0.131	0.089	0.11	< 2	10	92	0.18	< 1	< 2	< 10	158	< 10	8	16
2507	10	< 1	0.32	< 10	2.31	0.169	0.003	0.08	< 2	9	89	0.2	< 1	< 2	< 10	214	< 10	2	2
2508	< 10	< 1	0.36	< 10	2	0.168	0.003	0.15	< 2	6	66	0.2	< 1	< 2	< 10	257	< 10	2	2
2509	< 10	< 1	0.19	< 10	1.63	0.242	0.006	0.13	< 2	4	61	0.2	2	< 2	< 10	170	< 10	2	2
2510	< 10	< 1	0.55	< 10	2.12	0.151	0.005	0.08	< 2	6	55	0.21	< 1	< 2	< 10	154	< 10	3	3
2511	< 10	< 1	0.19	28	0.18	0.147	0.005	0.01	< 2	1	12	0.04	< 1	< 2	< 10	9	< 10	14	32
2512	< 10	< 1	0.11	28	0.07	0.136	0.004	0.04	< 2	1	14	0.03	< 1	< 2	< 10	3	< 10	16	34
2513	< 10	< 1	0.12	31	0.08	0.162	0.004	0.04	< 2	2	14	0.04	< 1	< 2	< 10	4	< 10	16	39
2514	10	< 1	0.73	< 10	2.95	0.088	0.004	0.08	< 2	16	23	0.17	3	< 2	< 10	229	< 10	5	5
2515	< 10	< 1	0.3	< 10	1.56	0.278	0.007	0.17	< 2	8	35	0.28	2	< 2	< 10	236	< 10	3	3
2516	< 10	< 1	0.22	< 10	1.83	0.202	0.002	0.08	< 2	6	36	0.22	< 1	< 2	< 10	156	< 10	3	2
2517	< 10	< 1	0.19	19	0.11	0.134	0.005	0.01	< 2	< 1	10	0.04	< 1	< 2	< 10	5	< 10	10	29
2518	< 10	< 1	0.36	25	0.58	0.141	0.004	0.02	< 2	3	22	0.11	< 1	< 2	< 10	59	< 10	10	27

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2519	< 10	< 1	0.54	16	0.84	0.165	0.004	0.04	< 2	3	26	0.13	3	< 2	< 10	81	< 10	9	21
2520	< 10	< 1	0.23	22	0.09	0.121	0.005	< 0.01	< 2	< 1	8	0.05	< 1	< 2	< 10	4	< 10	11	34
2521	< 10	< 1	0.25	26	0.21	0.133	0.009	0.01	< 2	2	10	0.05	< 1	< 2	< 10	9	< 10	11	35
2522	< 10	< 1	0.59	< 10	1.94	0.136	0.026	0.05	< 2	5	28	0.16	2	< 2	< 10	83	< 10	6	6
2523	< 10	< 1	0.38	< 10	1.95	0.147	0.025	0.08	< 2	9	21	0.26	3	< 2	< 10	105	< 10	8	7
2524	< 10	< 1	0.24	< 10	1.79	0.161	0.024	0.07	< 2	9	20	0.23	3	< 2	< 10	98	< 10	8	7
2525	< 10	< 1	0.16	< 10	2.06	0.232	0.026	0.12	< 2	8	25	0.21	< 1	< 2	< 10	102	< 10	6	6
2526	< 10	< 1	0.22	< 10	1.68	0.145	0.024	0.08	< 2	8	18	0.22	3	< 2	< 10	88	< 10	9	7
2527	< 10	< 1	0.59	13	1.29	0.167	0.02	0.04	< 2	7	17	0.22	3	< 2	< 10	74	< 10	13	9
2528	< 10	< 1	0.29	15	1.37	0.296	0.009	0.05	< 2	6	35	0.15	3	< 2	< 10	71	< 10	7	7
2529	< 10	< 1	0.47	< 10	2.24	0.18	0.009	0.35	< 2	9	19	0.16	1	< 2	< 10	107	< 10	13	9
2530	< 10	< 1	0.36	< 10	1.3	0.269	0.021	0.17	< 2	13	28	0.25	2	< 2	< 10	256	< 10	8	6
2531	< 10	< 1	0.22	< 10	1.7	0.437	0.011	0.07	< 2	8	61	0.13	< 1	< 2	< 10	86	< 10	7	6
2532	10	2	0.37	46	2.12	0.229	0.315	0.19	2	8	84	0.14	< 1	< 2	< 10	124	< 10	39	4
2533	10	< 1	0.3	42	2.02	0.256	0.235	0.15	< 2	8	98	0.14	2	< 2	< 10	130	< 10	34	3
2534	10	< 1	0.28	40	2.03	0.261	0.338	0.15	2	8	105	0.26	4	< 2	< 10	129	< 10	32	6
2535	10	< 1	0.51	34	2.31	0.241	0.291	0.23	2	10	166	0.26	3	< 2	< 10	115	< 10	27	5
2536	< 10	< 1	0.22	< 10	1.86	0.237	0.061	0.23	< 2	7	54	0.27	< 1	< 2	< 10	100	< 10	9	17
2537	< 10	< 1	0.16	< 10	1.4	0.209	0.013	0.17	< 2	7	30	0.25	< 1	< 2	< 10	124	< 10	5	3
2538	< 10	< 1	0.07	< 10	1.51	0.165	0.023	0.17	< 2	8	19	0.29	2	< 2	< 10	120	< 10	7	3
2539	< 10	< 1	0.09	< 10	1.43	0.102	0.004	0.07	< 2	4	29	0.14	1	< 2	< 10	70	< 10	4	3
2540	10	< 1	0.41	42	2.17	0.272	0.267	0.18	< 2	10	82	0.15	1	< 2	< 10	122	< 10	37	4
2541	10	< 1	0.3	43	2.03	0.175	0.236	0.16	2	7	70	0.14	2	< 2	< 10	130	< 10	35	4
2542	< 10	< 1	0.07	< 10	3.18	0.088	0.006	0.12	< 2	7	28	0.18	3	< 2	< 10	119	< 10	4	2
2543	< 10	< 1	0.09	< 10	2.37	0.147	0.008	0.13	< 2	6	34	0.18	2	< 2	< 10	119	< 10	4	2
2544	< 10	< 1	0.08	< 10	1.92	0.126	0.007	0.16	< 2	7	27	0.21	< 1	< 2	< 10	138	< 10	6	4
2545	< 10	< 1	0.05	< 10	2.24	0.105	0.002	0.05	< 2	6	26	0.16	< 1	< 2	< 10	96	< 10	4	4
2546	10	< 1	0.16	< 10	1.25	0.263	0.063	0.16	< 2	5	30	0.48	5	< 2	< 10	195	< 10	18	26
2547	10	< 1	0.12	< 10	1.48	0.265	0.065	0.17	< 2	8	31	0.52	< 1	< 2	< 10	206	< 10	20	31
2548	< 10	< 1	0.16	< 10	1.7	0.122	0.008	0.2	< 2	10	45	0.39	< 1	< 2	< 10	343	< 10	4	4
2549	< 10	< 1	0.1	21	0.4	0.112	0.008	0.09	< 2	3	24	0.12	2	< 2	< 10	60	< 10	9	19
2550	10	< 1	1.08	31	3.42	0.05	0.154	0.11	3	5	58	0.26	2	< 2	< 10	136	< 10	10	15
2551	< 10	< 1	0.09	22	0.16	0.117	0.007	0.02	< 2	1	16	0.05	< 1	< 2	< 10	7	< 10	12	30
2552	< 10	< 1	0.06	37	0.22	0.125	0.005	0.01	< 2	2	11	0.08	2	< 2	< 10	21	< 10	12	41
2553	< 10	< 1	0.09	< 10	1.82	0.168	0.007	0.09	< 2	6	32	0.2	< 1	< 2	< 10	123	< 10	2	2
2554	< 10	< 1	0.07	< 10	2.16	0.143	0.004	0.07	< 2	6	32	0.24	3	< 2	< 10	157	< 10	2	2
2555	< 10	< 1	0.06	< 10	2.25	0.089	0.004	0.21	< 2	6	21	0.25	< 1	< 2	< 10	194	< 10	3	2
2556	< 10	< 1	0.06	< 10	2.19	0.082	0.004	0.21	< 2	5	19	0.24	1	< 2	< 10	184	< 10	3	2
2557	< 10	< 1	0.06	< 10	2.09	0.066	0.011	0.17	< 2	8	24	0.25	2	< 2	< 10	214	< 10	4	3
2558	< 10	< 1	0.07	< 10	1.44	0.16	0.008	0.12	< 2	5	23	0.22	< 1	< 2	< 10	140	< 10	3	2
2559	< 10	< 1	0.08	< 10	1.89	0.207	0.006	0.23	< 2	5	23	0.21	1	< 2	< 10	171	< 10	3	2
2560	< 10	< 1	0.06	< 10	1.51	0.256	0.008	0.09	< 2	4	29	0.18	1	< 2	< 10	91	< 10	2	2

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 21-Jan-11
Invoice No.: A11-0391
Invoice Date: 10-Feb-11
Your Reference:

First Lithium Resources
3102-788 Richards St.
Vancouver BC V6B OC7
Canada

ATTN: Craig Naughty

CERTIFICATE OF ANALYSIS

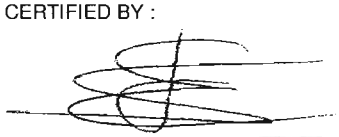
206 Rock samples were submitted for analysis.

The following analytical packages were requested: Code 1A2 Au - Fire Assay AA
Code 1E3 Aqua Regia ICP(AQUAGEO)

REPORT **A11-0391**

Notes:
If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY :



Emmanuel 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

Activation Laboratories Ltd. Report: A11-0391

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2292	< 5	< 0.2	< 0.5	108	201	2	7	< 2	19	0.94	10	< 10	45	< 0.5	< 2	0.87	9	15	1.67	< 10	< 1	0.06	13	0.57
2293	< 5	< 0.2	< 0.5	34	400	< 1	27	< 2	40	1.84	< 2	< 10	79	< 0.5	< 2	1.21	21	44	3.78	10	1	0.12	13	1.54
2294	< 5	< 0.2	< 0.5	31	483	< 1	24	< 2	40	2.09	< 2	< 10	37	< 0.5	< 2	1.95	26	40	4.56	10	< 1	0.07	16	1.90
2295	< 5	< 0.2	< 0.5	28	205	< 1	3	< 2	18	1.08	< 2	< 10	46	< 0.5	< 2	0.73	10	10	1.72	< 10	< 1	0.07	15	0.64
2296	< 5	< 0.2	0.5	343	204	< 1	2	< 2	142	1.21	< 2	< 10	81	< 0.5	< 2	0.86	12	8	1.90	< 10	< 1	0.11	18	0.67
2297	< 5	0.2	< 0.5	116	180	< 1	2	< 2	19	1.11	< 2	< 10	73	< 0.5	< 2	0.79	10	9	1.58	< 10	< 1	0.10	17	0.58
2298	< 5	< 0.2	< 0.5	39	206	< 1	1	< 2	18	1.25	< 2	< 10	64	< 0.5	< 2	0.80	10	10	1.81	< 10	< 1	0.10	15	0.69
2299	< 5	< 0.2	< 0.5	31	333	< 1	14	< 2	69	1.43	< 2	< 10	34	< 0.5	< 2	2.01	14	82	2.57	< 10	< 1	0.07	20	1.24
2300	< 5	0.3	< 0.5	77	424	< 1	29	< 2	27	1.51	< 2	< 10	43	< 0.5	< 2	3.02	16	133	3.03	< 10	< 1	0.13	26	1.63
2301	< 5	< 0.2	< 0.5	180	512	< 1	100	< 2	46	2.44	< 2	< 10	25	< 0.5	< 2	1.19	35	130	4.18	< 10	< 1	0.07	< 10	2.63
2302	< 5	< 0.2	< 0.5	155	473	< 1	110	< 2	39	2.13	< 2	< 10	19	< 0.5	< 2	1.80	33	113	3.85	< 10	< 1	0.06	< 10	2.07
2303	< 5	< 0.2	< 0.5	154	523	< 1	127	< 2	41	2.36	< 2	< 10	18	< 0.5	< 2	2.19	36	121	4.27	< 10	< 1	0.05	< 10	2.24
2304	< 5	< 0.2	< 0.5	549	553	< 1	185	< 2	51	2.30	< 2	< 10	15	< 0.5	< 2	1.31	43	143	4.52	< 10	< 1	0.05	< 10	2.57
2305	11	0.5	< 0.5	1440	549	< 1	437	< 2	57	2.11	3	< 10	11	< 0.5	< 2	0.77	70	142	5.11	< 10	2	0.02	< 10	2.69
2306	< 5	< 0.2	< 0.5	168	493	< 1	120	< 2	36	2.10	< 2	< 10	24	< 0.5	< 2	1.95	34	118	3.92	< 10	< 1	0.07	< 10	2.04
2307	< 5	< 0.2	< 0.5	298	519	< 1	140	< 2	48	2.22	< 2	< 10	23	< 0.5	< 2	1.63	38	113	4.27	< 10	< 1	0.07	< 10	2.27
2308	< 5	0.3	< 0.5	643	647	< 1	195	< 2	50	2.59	< 2	< 10	17	< 0.5	< 2	1.89	54	182	5.45	< 10	< 1	0.04	< 10	2.83
2309	6	< 0.2	< 0.5	484	542	< 1	135	< 2	41	2.19	< 2	< 10	20	< 0.5	< 2	1.64	38	120	4.34	< 10	< 1	0.05	< 10	2.49
2310	< 5	< 0.2	< 0.5	101	501	< 1	48	< 2	37	1.99	< 2	< 10	27	< 0.5	< 2	2.46	28	109	4.48	< 10	< 1	0.09	13	1.98
2311	< 5	< 0.2	< 0.5	223	504	< 1	95	< 2	42	2.18	< 2	< 10	24	< 0.5	< 2	1.53	31	123	3.91	< 10	< 1	0.06	< 10	2.47
2312	< 5	< 0.2	< 0.5	117	581	< 1	107	< 2	51	2.79	6	< 10	24	< 0.5	< 2	1.16	37	105	4.70	< 10	1	0.07	< 10	3.31
2313	< 5	< 0.2	< 0.5	201	500	< 1	103	< 2	41	2.46	< 2	< 10	24	< 0.5	< 2	1.42	32	114	3.80	< 10	< 1	0.08	< 10	2.61
2314	< 5	< 0.2	< 0.5	382	568	< 1	174	< 2	49	2.79	2	< 10	19	< 0.5	< 2	1.74	44	101	4.52	< 10	< 1	0.06	< 10	3.08
2315	< 5	< 0.2	< 0.5	153	429	< 1	102	< 2	33	2.48	3	< 10	19	< 0.5	< 2	1.57	31	88	3.42	< 10	< 1	0.07	< 10	2.20
2316	< 5	< 0.2	< 0.5	136	480	< 1	124	< 2	39	2.50	< 2	< 10	20	< 0.5	< 2	1.44	36	82	3.94	< 10	< 1	0.08	< 10	2.49
2317	6	< 0.2	< 0.5	240	454	< 1	104	< 2	35	2.42	< 2	< 10	22	< 0.5	< 2	1.94	32	87	3.70	< 10	< 1	0.09	< 10	2.13
2318	< 5	< 0.2	< 0.5	189	503	< 1	87	< 2	35	2.61	< 2	< 10	27	< 0.5	< 2	2.18	29	104	3.84	< 10	< 1	0.10	< 10	2.20
2319	< 5	< 0.2	< 0.5	146	460	< 1	98	< 2	35	2.37	< 2	< 10	23	< 0.5	< 2	1.72	32	105	3.75	< 10	< 1	0.07	< 10	2.17
2320	< 5	< 0.2	< 0.5	274	534	< 1	138	< 2	39	2.20	< 2	< 10	18	< 0.5	< 2	1.65	41	124	4.41	< 10	< 1	0.05	< 10	2.42
2321	< 5	< 0.2	< 0.5	275	560	< 1	144	< 2	47	2.83	< 2	< 10	18	< 0.5	< 2	1.17	42	111	4.76	< 10	< 1	0.06	< 10	2.97
2322	< 5	< 0.2	< 0.5	194	564	< 1	152	< 2	46	2.60	< 2	< 10	17	< 0.5	< 2	1.37	44	122	4.82	< 10	< 1	0.06	< 10	2.87
2323	< 5	< 0.2	< 0.5	189	463	< 1	89	< 2	35	2.16	7	< 10	23	< 0.5	< 2	1.67	30	87	3.47	< 10	1	0.09	< 10	1.95
2324	< 5	< 0.2	< 0.5	233	509	< 1	102	< 2	39	2.44	3	< 10	21	< 0.5	< 2	1.74	31	121	3.80	< 10	< 1	0.08	< 10	2.25
2325	< 5	< 0.2	< 0.5	202	491	< 1	99	< 2	37	2.39	2	< 10	20	< 0.5	< 2	1.82	31	118	3.79	< 10	< 1	0.08	< 10	2.27
2326	< 5	< 0.2	< 0.5	136	434	< 1	84	< 2	32	2.24	< 2	< 10	19	< 0.5	< 2	1.55	26	98	3.35	< 10	< 1	0.07	< 10	2.06
2327	< 5	< 0.2	< 0.5	175	424	< 1	107	< 2	33	1.94	< 2	< 10	16	< 0.5	< 2	1.26	31	72	3.47	< 10	< 1	0.04	11	1.92
2328	< 5	< 0.2	< 0.5	262	530	< 1	130	< 2	42	2.49	< 2	< 10	15	< 0.5	< 2	1.34	39	96	4.42	< 10	< 1	0.04	< 10	2.66
2329	7	< 0.2	< 0.5	324	400	< 1	90	< 2	32	1.96	< 2	< 10	17	< 0.5	< 2	1.43	28	95	3.11	< 10	< 1	0.04	< 10	1.84
2330	< 5	< 0.2	< 0.5	149	464	< 1	85	< 2	32	2.14	< 2	< 10	16	< 0.5	< 2	1.83	29	116	3.58	< 10	< 1	0.04	< 10	2.11
2331	< 5	< 0.2	< 0.5	150	759	< 1	115	< 2	50	2.87	< 2	< 10	12	< 0.5	< 2	4.40	36	205	5.25	< 10	< 1	0.02	< 10	3.41
2332	< 5	< 0.2	< 0.5	186	481	< 1	101	< 2	38	2.19	< 2	< 10	16	< 0.5	< 2	1.36	34	139	3.92	< 10	< 1	0.04	< 10	2.39
2333	< 5	< 0.2	< 0.5	158	515	< 1	97	< 2	41	2.41	< 2	< 10	17	< 0.5	< 2	1.33	34	139	4.15	< 10	< 1	0.05	< 10	2.58
2334	< 5	< 0.2	< 0.5	179	477	< 1	94	< 2	35	1.88	< 2	< 10	55	< 0.5	< 2	1.74	36	63	4.31	< 10	< 1	0.18	< 10	1.82
2335	< 5	< 0.2	< 0.5	116	555	< 1	120	< 2	45	2.44	6	< 10	21	< 0.5	< 2	1.26	44	105	4.60	< 10	< 1	0.06	< 10	2.65
2336	< 5	< 0.2	< 0.5	124	552	< 1	139	< 2	45	2.59	< 2	< 10	15	< 0.5	< 2	1.24	40	153	4.58	< 10	< 1	0.03	< 10	2.96
2337	6	< 0.2	< 0.5	149	522	< 1	127	< 2	44	2.52	< 2	< 10	36	< 0.5	< 2	1.23	37	160	4.39	< 10	< 1	0.14	< 10	2.73
2338	6	< 0.2	< 0.5	125	530	< 1	103	< 2	43	2.43	< 2	< 10	84	< 0.5	< 2	1.39	33	83	4.36	< 10	< 1	0.35	< 10	2.40
2339	< 5	< 0.2	< 0.5	143	556	< 1	89	< 2	48	2.40	< 2	< 10	92	< 0.5	< 2	1.41	35	113	4.32	< 10	< 1	0.41	< 10	2.50
2340	< 5	< 0.2	< 0.5	166	547	< 1	11	4	48	2.07	< 2	< 10	287	0.8	< 2	2.78	24	43	4.22	< 10	< 1	0.97	11	1.89
2341	< 5	< 0.2	< 0.5	35	566	< 1	23	< 2	54	1.75	< 2	< 10	417	0.5	< 2	2.54	20	148	3.43	< 10	< 1	1.18	< 10	1.90
2342	< 5	< 0.2	< 0.5	114	528	< 1	39	< 2	83	1.87	< 2	< 10	242	0.6	< 2	2.33	24	157	3.62	< 10	< 1	0.74	< 10	2.02
2343	< 5	< 0.2	< 0.5	150	533	< 1	85	< 2	47	2.21	< 2	< 10	70	< 0.5	< 2	1.59	36	133	4.03	< 10	< 1	0.27	< 10	2.48

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2344	< 5	< 0.2	< 0.5	153	460	< 1	89	< 2	37	1.98	< 2	< 10	32	< 0.5	< 2	1.47	31	129	3.46	< 10	< 1	0.10	< 10	2.19
2345	< 5	< 0.2	< 0.5	110	457	< 1	84	< 2	36	1.92	< 2	< 10	37	< 0.5	< 2	1.80	28	130	3.45	< 10	< 1	0.11	< 10	1.97
2346	< 5	< 0.2	< 0.5	156	452	< 1	94	< 2	38	2.15	< 2	< 10	18	< 0.5	< 2	1.18	32	131	3.58	< 10	< 1	0.05	< 10	2.28
2347	< 5	< 0.2	< 0.5	108	474	< 1	86	< 2	41	2.28	< 2	< 10	16	< 0.5	< 2	1.14	30	123	3.82	< 10	< 1	0.05	< 10	2.35
2348	< 5	< 0.2	< 0.5	123	489	< 1	88	< 2	39	2.33	< 2	< 10	15	< 0.5	< 2	1.58	28	147	3.82	< 10	< 1	0.04	< 10	2.34
2349	< 5	< 0.2	< 0.5	128	536	< 1	93	< 2	42	2.39	< 2	< 10	12	< 0.5	< 2	1.38	36	119	4.48	< 10	< 1	0.03	< 10	2.43
2350	< 5	< 0.2	< 0.5	133	518	< 1	42	< 2	32	2.40	< 2	< 10	21	< 0.5	< 2	2.67	28	79	4.52	< 10	1	0.10	< 10	1.48
2351	< 5	< 0.2	< 0.5	143	569	< 1	42	< 2	38	2.73	< 2	< 10	16	< 0.5	< 2	3.17	28	73	4.72	< 10	< 1	0.10	< 10	1.46
2352	< 5	< 0.2	< 0.5	134	543	< 1	39	< 2	40	2.56	< 2	< 10	16	< 0.5	< 2	2.85	28	50	4.50	< 10	< 1	0.07	< 10	1.40
2353	< 5	< 0.2	< 0.5	148	542	< 1	43	< 2	47	2.14	< 2	< 10	14	< 0.5	< 2	2.08	29	55	4.40	< 10	< 1	0.04	< 10	1.56
2354	< 5	< 0.2	< 0.5	137	562	< 1	43	< 2	48	2.26	< 2	< 10	16	< 0.5	< 2	2.28	30	47	4.48	< 10	< 1	0.06	< 10	1.56
2355	< 5	< 0.2	< 0.5	76	972	< 1	56	< 2	60	2.98	15	< 10	< 10	< 0.5	< 2	5.96	35	161	7.28	10	< 1	< 0.01	< 10	3.01
2356-A	124	0.4	< 0.5	126	837	< 1	40	3	43	3.00	27	< 10	45	< 0.5	< 2	6.38	35	91	8.20	10	< 1	0.08	< 10	3.41
2356-B	6	< 0.2	< 0.5	127	1010	< 1	57	24	115	3.34	27	< 10	< 10	< 0.5	< 2	6.00	49	112	8.43	20	< 1	< 0.01	< 10	3.40
2561	13	< 0.2	< 0.5	176	869	< 1	78	< 2	63	2.80	2	< 10	112	< 0.5	< 2	4.47	40	134	6.67	10	< 1	0.26	< 10	3.02
2562	5	< 0.2	< 0.5	74	1010	< 1	59	< 2	68	3.12	< 2	< 10	22	< 0.5	< 2	5.80	39	90	7.48	10	< 1	0.04	< 10	3.33
2563	< 5	< 0.2	< 0.5	147	944	< 1	43	13	139	3.35	< 2	< 10	45	< 0.5	< 2	5.23	43	58	8.83	20	1	0.07	< 10	3.21
2564	< 5	< 0.2	< 0.5	80	933	< 1	56	11	112	2.96	< 2	< 10	63	< 0.5	< 2	5.47	35	75	7.32	20	< 1	0.12	< 10	2.94
2565	10	< 0.2	< 0.5	323	988	< 1	38	< 2	86	3.16	< 2	< 10	234	< 0.5	< 2	4.03	45	52	9.15	10	1	0.63	< 10	2.97
2566	< 5	< 0.2	< 0.5	117	910	< 1	38	< 2	73	2.43	< 2	< 10	65	< 0.5	< 2	3.20	39	44	6.76	< 10	< 1	0.17	< 10	2.33
2567	< 5	< 0.2	< 0.5	115	731	< 1	38	< 2	57	2.13	< 2	< 10	57	< 0.5	< 2	2.05	39	40	6.21	< 10	< 1	0.15	< 10	1.96
2568	< 5	< 0.2	< 0.5	48	523	< 1	34	< 2	44	1.56	< 2	< 10	59	0.6	< 2	2.68	20	182	3.14	< 10	< 1	0.16	< 10	1.74
2569	< 5	< 0.2	< 0.5	106	524	< 1	8	< 2	39	1.65	< 2	< 10	88	0.7	< 2	2.76	25	40	4.00	< 10	< 1	0.50	13	1.49
2570	< 5	< 0.2	< 0.5	139	719	< 1	25	3	85	1.89	< 2	< 10	117	< 0.5	< 2	2.75	40	34	5.93	10	< 1	0.30	< 10	1.62
2571	< 5	< 0.2	< 0.5	117	653	< 1	29	< 2	68	1.99	< 2	< 10	50	< 0.5	< 2	2.05	35	32	5.44	< 10	< 1	0.12	< 10	1.75
2572	< 5	< 0.2	< 0.5	118	645	< 1	27	< 2	55	2.00	< 2	< 10	21	< 0.5	< 2	2.87	33	38	5.08	< 10	< 1	0.06	< 10	1.68
2573	< 5	< 0.2	< 0.5	104	668	< 1	32	< 2	62	1.99	< 2	< 10	20	< 0.5	< 2	2.06	34	35	5.34	< 10	< 1	0.06	< 10	1.82
2574	< 5	< 0.2	< 0.5	68	728	< 1	30	< 2	61	2.05	< 2	< 10	14	< 0.5	< 2	2.38	30	43	5.36	< 10	< 1	0.05	< 10	1.76
2575	< 5	< 0.2	< 0.5	132	611	< 1	64	< 2	50	2.17	< 2	< 10	12	< 0.5	< 2	2.25	31	86	4.77	< 10	< 1	0.03	< 10	2.00
2576	< 5	< 0.2	< 0.5	96	605	< 1	72	< 2	48	2.18	< 2	< 10	11	< 0.5	< 2	2.11	31	90	4.69	< 10	< 1	0.02	< 10	2.04
2577	< 5	< 0.2	< 0.5	100	618	< 1	71	< 2	47	2.30	< 2	< 10	12	< 0.5	< 2	2.40	34	88	4.87	< 10	< 1	0.03	< 10	2.07
2578	< 5	< 0.2	< 0.5	97	608	< 1	73	< 2	44	2.21	< 2	< 10	15	< 0.5	< 2	2.36	30	73	4.33	< 10	< 1	0.04	< 10	1.99
2579	< 5	< 0.2	< 0.5	114	517	< 1	53	< 2	43	1.95	2	< 10	17	< 0.5	< 2	1.94	25	65	3.68	< 10	< 1	0.04	< 10	1.65
2580	< 5	< 0.2	< 0.5	120	682	< 1	71	< 2	50	2.33	< 2	< 10	32	< 0.5	< 2	2.39	33	80	4.86	< 10	< 1	0.08	< 10	2.10
2581	< 5	< 0.2	< 0.5	115	634	< 1	71	< 2	46	2.26	< 2	< 10	74	< 0.5	< 2	2.26	32	79	4.75	< 10	< 1	0.17	< 10	2.02
2582	< 5	< 0.2	< 0.5	41	612	< 1	131	< 2	44	2.11	< 2	< 10	68	< 0.5	< 2	2.79	31	395	4.15	< 10	< 1	0.16	19	2.63
2583	< 5	< 0.2	< 0.5	95	603	< 1	83	< 2	44	2.09	2	< 10	93	< 0.5	< 2	2.61	32	168	4.44	< 10	< 1	0.22	< 10	2.16
2584	< 5	< 0.2	< 0.5	17	1040	< 1	76	< 2	68	2.94	< 2	< 10	278	< 0.5	< 2	5.67	37	183	7.30	10	< 1	0.83	< 10	3.40
2585	< 5	< 0.2	< 0.5	73	1010	< 1	81	< 2	68	3.06	< 2	< 10	115	< 0.5	< 2	5.17	39	194	7.39	10	< 1	0.32	< 10	3.64
2586	< 5	< 0.2	< 0.5	28	965	< 1	82	< 2	64	2.87	2	< 10	206	0.5	< 2	5.63	33	215	6.77	10	< 1	0.62	< 10	3.66
2587	< 5	< 0.2	< 0.5	< 1	1060	< 1	362	< 2	67	3.24	< 2	< 10	50	< 0.5	< 2	5.33	37	630	6.67	10	< 1	0.18	11	6.97
2588	< 5	< 0.2	< 0.5	89	883	< 1	122	< 2	56	2.68	< 2	< 10	200	0.7	< 2	5.69	36	307	6.02	10	< 1	0.69	11	4.14
2589	7	< 0.2	< 0.5	118	754	< 1	20	< 2	55	2.34	< 2	< 10	269	1.0	< 2	4.67	29	92	6.55	10	< 1	1.28	11	2.99
2590	5	< 0.2	< 0.5	41	823	< 1	175	< 2	68	2.97	6	< 10	374	1.2	< 2	4.37	36	435	5.73	10	< 1	1.52	11	4.74
2591	< 5	< 0.2	< 0.5	42	890	< 1	209	< 2	64	3.06	< 2	< 10	403	1.1	< 2	4.63	32	578	6.36	10	< 1	1.70	< 10	4.74
2592	< 5	< 0.2	< 0.5	173	605	< 1	62	< 2	49	2.38	< 2	< 10	36	< 0.5	< 2	2.32	35	87	4.72	< 10	< 1	0.11	< 10	1.88
2593	< 5	< 0.2	< 0.5	145	574	< 1	59	< 2	50	2.41	< 2	< 10	15	< 0.5	< 2	2.51	33	91	4.83	< 10	< 1	0.03	< 10	2.06
2594	< 5	< 0.2	< 0.5	136	586	< 1	58	< 2	104	2.15	< 2	< 10	20	< 0.5	< 2	2.19	32	74	4.43	< 10	2	0.06	< 10	1.79
2595	< 5	< 0.2	< 0.5	145	588	< 1	61	< 2	56	2.31	< 2	< 10	25	< 0.5	< 2	2.11	33	81	4.55	< 10	< 1	0.08	< 10	1.81
2596	346	< 0.2	< 0.5	154	569	< 1	42	< 2	90	2.33	< 2	< 10	20	< 0.5	< 2	1.69	41	50	5.08	< 10	< 1	0.06	< 10	1.97
2597	7	< 0.2	< 0.5	106	605	< 1	6	< 2	70	2.22	< 2	< 10	21	< 0.5	< 2	2.17	47	8	5.70	< 10	< 1	0.07	< 10	1.76
2598	5	< 0.2	0.7	98	567	< 1	3	< 2	124	2.34	< 2	< 10	17	< 0.5	< 2	2.71	43	8	5.69	< 10	< 1	0.06	< 10	1.74

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2599	13	< 0.2	< 0.5	241	680	< 1	7	< 2	79	2.58	< 2	< 10	17	< 0.5	< 2	2.49	44	15	6.56	< 10	< 1	0.09	< 10	2.19
2600	1830	0.6	0.8	1510	568	< 1	53	< 2	121	2.22	< 2	< 10	12	< 0.5	< 2	1.28	48	87	5.46	< 10	< 1	0.03	< 10	2.15
2601	16	< 0.2	< 0.5	136	605	< 1	69	< 2	64	2.29	< 2	< 10	< 10	< 0.5	< 2	1.99	32	111	4.98	< 10	< 1	0.03	< 10	2.21
2602	< 5	< 0.2	< 0.5	92	558	< 1	62	< 2	53	2.19	< 2	< 10	15	< 0.5	< 2	2.10	26	97	4.09	< 10	< 1	0.03	< 10	1.80
2603	96	< 0.2	< 0.5	176	561	< 1	52	< 2	56	2.01	< 2	< 10	15	< 0.5	< 2	2.00	26	76	4.23	< 10	< 1	0.04	< 10	1.84
2604	< 5	< 0.2	< 0.5	121	559	< 1	64	< 2	46	2.10	< 2	< 10	22	< 0.5	< 2	1.92	29	79	4.17	< 10	< 1	0.07	< 10	1.82
2605	21	< 0.2	< 0.5	103	1030	< 1	84	< 2	71	3.03	< 2	< 10	< 10	< 0.5	< 2	4.77	37	123	6.82	10	< 1	< 0.01	< 10	3.11
2606	< 5	< 0.2	< 0.5	58	446	< 1	6	< 2	36	2.36	< 2	< 10	17	< 0.5	< 2	2.43	43	5	6.60	10	< 1	0.04	< 10	1.07
2607	< 5	< 0.2	< 0.5	58	451	< 1	7	< 2	42	2.38	< 2	< 10	16	< 0.5	< 2	2.52	43	6	6.71	10	1	0.04	< 10	1.29
2608	< 5	< 0.2	< 0.5	50	467	< 1	5	< 2	41	2.51	< 2	< 10	17	< 0.5	< 2	2.58	42	5	7.34	10	< 1	0.04	< 10	1.33
2609	< 5	< 0.2	< 0.5	59	491	< 1	5	< 2	43	2.70	< 2	< 10	20	< 0.5	< 2	2.77	42	5	7.51	10	1	0.05	< 10	1.37
2610	< 5	< 0.2	< 0.5	56	410	< 1	6	< 2	41	2.40	< 2	< 10	16	< 0.5	< 2	2.35	45	4	7.00	10	< 1	0.04	< 10	1.15
2611	< 5	< 0.2	< 0.5	124	429	< 1	13	< 2	43	2.61	< 2	< 10	17	< 0.5	< 2	2.20	60	4	7.36	10	< 1	0.05	< 10	1.41
2612	42	< 0.2	< 0.5	64	422	< 1	6	< 2	39	2.38	< 2	< 10	18	< 0.5	< 2	2.48	46	4	6.98	10	< 1	0.05	< 10	1.15
2613	< 5	< 0.2	< 0.5	49	425	< 1	4	< 2	33	2.70	< 2	< 10	14	< 0.5	< 2	2.74	38	5	5.64	< 10	< 1	0.03	< 10	1.08
2614	< 5	< 0.2	< 0.5	49	450	< 1	4	< 2	37	2.76	< 2	< 10	14	< 0.5	< 2	2.93	41	5	5.66	< 10	< 1	0.04	< 10	1.25
2615	< 5	< 0.2	< 0.5	44	407	< 1	4	< 2	33	2.59	< 2	< 10	17	< 0.5	< 2	2.58	34	5	5.00	< 10	< 1	0.04	< 10	1.05
2616	< 5	< 0.2	< 0.5	48	432	< 1	4	< 2	36	2.62	< 2	< 10	15	< 0.5	< 2	2.71	39	6	5.55	< 10	1	0.04	< 10	1.18
2617	< 5	< 0.2	< 0.5	50	473	< 1	4	< 2	42	2.92	< 2	< 10	17	< 0.5	< 2	2.82	40	6	5.80	10	< 1	0.09	< 10	1.37
2618	< 5	< 0.2	< 0.5	53	428	< 1	4	< 2	39	2.51	6	< 10	15	< 0.5	< 2	2.68	41	4	5.34	< 10	< 1	0.04	< 10	1.30
2619	< 5	< 0.2	< 0.5	90	467	< 1	8	< 2	43	2.86	< 2	< 10	16	< 0.5	< 2	2.99	51	5	6.66	10	< 1	0.05	< 10	1.45
2620	< 5	< 0.2	< 0.5	61	409	< 1	5	< 2	38	3.05	< 2	< 10	15	< 0.5	< 2	2.80	45	5	6.81	10	< 1	0.04	< 10	1.22
2621	< 5	< 0.2	< 0.5	62	488	< 1	7	< 2	41	3.11	< 2	< 10	17	< 0.5	< 2	3.24	45	5	6.69	10	< 1	0.05	< 10	1.41
2622	< 5	< 0.2	< 0.5	70	459	< 1	5	< 2	42	3.29	< 2	< 10	21	< 0.5	< 2	2.99	50	5	6.58	10	< 1	0.06	< 10	1.39
2623	< 5	< 0.2	< 0.5	35	881	< 1	4	< 2	59	3.30	< 2	< 10	< 10	< 0.5	< 2	5.87	58	6	9.33	20	< 1	< 0.01	< 10	3.24
2624	< 5	< 0.2	< 0.5	43	628	< 1	4	< 2	39	2.19	< 2	< 10	< 10	< 0.5	< 2	3.94	47	7	6.30	10	< 1	< 0.01	< 10	2.06
2625	< 5	< 0.2	< 0.5	37	878	< 1	10	< 2	53	3.29	< 2	< 10	< 10	< 0.5	< 2	5.24	52	10	8.51	20	1	0.01	< 10	3.20
2626	< 5	< 0.2	< 0.5	31	914	< 1	8	< 2	55	3.44	< 2	< 10	< 10	< 0.5	< 2	5.70	53	9	8.92	20	< 1	< 0.01	< 10	3.35
2627	< 5	< 0.2	< 0.5	38	878	< 1	5	< 2	60	3.24	4	< 10	< 10	< 0.5	< 2	6.01	54	10	8.88	20	< 1	< 0.01	< 10	3.15
2628	< 5	< 0.2	< 0.5	27	882	< 1	2	< 2	60	3.44	< 2	< 10	< 10	< 0.5	< 2	6.00	54	13	8.75	20	< 1	0.03	< 10	3.35
2629	< 5	< 0.2	< 0.5	24	774	< 1	4	< 2	51	3.11	< 2	< 10	35	< 0.5	< 2	5.59	47	18	7.80	20	< 1	0.07	< 10	2.79
2630	< 5	< 0.2	< 0.5	52	833	< 1	6	< 2	44	3.13	< 2	< 10	34	< 0.5	< 2	6.09	53	19	7.66	10	< 1	0.07	< 10	2.96
2631	< 5	< 0.2	< 0.5	55	841	< 1	5	< 2	53	3.39	< 2	< 10	< 10	< 0.5	< 2	6.09	60	3	9.12	20	< 1	< 0.01	< 10	3.29
2632	5	< 0.2	< 0.5	111	911	< 1	9	< 2	56	3.31	5	< 10	< 10	< 0.5	< 2	6.33	85	3	9.73	20	< 1	< 0.01	< 10	3.12
2633	6	< 0.2	< 0.5	62	839	< 1	7	< 2	51	3.08	< 2	< 10	< 10	< 0.5	< 2	5.51	69	3	8.22	10	< 1	< 0.01	< 10	2.98
2634	< 5	< 0.2	< 0.5	34	831	< 1	6	< 2	58	3.19	< 2	< 10	< 10	< 0.5	< 2	5.92	58	3	8.74	10	< 1	< 0.01	< 10	3.05
2635	< 5	< 0.2	< 0.5	66	867	< 1	8	< 2	58	3.22	5	< 10	< 10	< 0.5	< 2	6.42	70	4	9.77	10	3	< 0.01	< 10	3.09
2636	< 5	< 0.2	< 0.5	40	906	< 1	14	< 2	36	2.22	< 2	< 10	23	< 0.5	< 2	7.94	58	11	5.63	< 10	< 1	0.04	< 10	1.90
2637	< 5	< 0.2	< 0.5	55	794	< 1	12	< 2	62	3.28	< 2	< 10	< 10	< 0.5	< 2	5.44	57	5	8.70	10	< 1	0.01	< 10	3.28
2638	< 5	< 0.2	< 0.5	55	716	< 1	11	< 2	60	2.78	< 2	< 10	< 10	< 0.5	< 2	4.25	55	6	8.36	10	< 1	< 0.01	< 10	3.16
2639	< 5	< 0.2	< 0.5	59	641	4	7	< 2	55	2.44	< 2	< 10	< 10	< 0.5	< 2	3.31	55	4	7.80	< 10	1	< 0.01	< 10	2.76
2640	< 5	< 0.2	< 0.5	63	562	< 1	12	< 2	54	2.61	< 2	< 10	11	< 0.5	< 2	2.59	51	8	6.90	< 10	< 1	0.02	< 10	2.56
2641	< 5	< 0.2	< 0.5	9	420	< 1	16	< 2	38	1.94	< 2	< 10	53	< 0.5	< 2	2.79	21	15	3.59	< 10	< 1	0.09	< 10	1.53
2642	< 5	< 0.2	< 0.5	1	450	< 1	18	< 2	36	1.97	< 2	< 10	47	< 0.5	< 2	3.09	20	20	3.82	10	< 1	0.08	< 10	1.62
2643	36	< 0.2	< 0.5	205	477	< 1	14	< 2	62	2.16	< 2	< 10	34	< 0.5	< 2	2.79	34	20	4.57	10	< 1	0.06	< 10	1.77
2644	< 5	< 0.2	< 0.5	11	921	< 1	4	< 2	74	3.19	< 2	< 10	< 10	< 0.5	< 2	5.50	48	13	8.37	10	< 1	< 0.01	< 10	3.58
2645	< 5	< 0.2	< 0.5	8	946	< 1	7	< 2	73	3.33	< 2	< 10	< 10	< 0.5	< 2	5.34	52	14	8.95	10	< 1	0.02	< 10	4.25
2646	< 5	< 0.2	< 0.5	40	1130	< 1	11	< 2	52	2.43	< 2	< 10	28	< 0.5	< 2	5.00	45	17	7.10	10	< 1	0.05	< 10	3.43
2647	< 5	< 0.2	< 0.5	26	489	4	84	< 2	33	2.74	< 2	< 10	11	< 0.5	< 2	2.75	27	119	3.50	< 10	< 1	0.03	< 10	2.40
2648	< 5	< 0.2	< 0.5	42	520	2	89	< 2	35	2.94	< 2	< 10	14	< 0.5	< 2	3.27	28	125	3.67	< 10	< 1	0.02	< 10	2.59
2649	< 5	< 0.2	< 0.5	25	650	< 1	104	< 2	41	2.98	4	< 10	< 10	< 0.5	< 2	4.08	30	153	4.20	< 10	< 1	< 0.01	< 10	3.17
2650	< 5	< 0.2	< 0.5	10	705	< 1	110	< 2	42	2.79	< 2	< 10	< 10	< 0.5	< 2	4.67	31	163	4.39	< 10	< 1	< 0.01	< 10	3.38

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2651	< 5	< 0.2	< 0.5	16	686	< 1	111	< 2	43	2.76	< 2	< 10	< 10	< 0.5	< 2	4.57	30	180	4.37	< 10	< 1	0.01	< 10	3.35
2652	< 5	< 0.2	< 0.5	5	660	< 1	116	< 2	46	2.87	< 2	< 10	< 10	< 0.5	< 2	4.91	31	197	4.48	< 10	< 1	0.02	< 10	3.43
2653	< 5	< 0.2	< 0.5	6	646	< 1	99	< 2	41	2.66	< 2	< 10	< 10	< 0.5	< 2	4.51	30	155	4.43	< 10	< 1	0.01	< 10	3.14
2654	< 5	< 0.2	< 0.5	14	689	< 1	60	< 2	47	3.43	< 2	< 10	24	< 0.5	< 2	4.42	34	132	5.37	10	< 1	0.05	< 10	3.42
2655	121	< 0.2	< 0.5	206	727	< 1	38	< 2	52	3.75	< 2	< 10	25	< 0.5	< 2	4.29	40	157	6.21	10	< 1	0.06	< 10	3.75
2656	< 5	< 0.2	< 0.5	25	726	< 1	42	< 2	48	3.69	< 2	< 10	31	< 0.5	< 2	4.43	40	158	6.19	10	< 1	0.07	< 10	3.64
2657	< 5	< 0.2	< 0.5	40	717	< 1	53	< 2	52	3.72	< 2	< 10	< 10	< 0.5	< 2	4.33	42	152	6.42	10	< 1	0.01	< 10	4.43
2658	< 5	< 0.2	< 0.5	27	566	< 1	67	< 2	38	2.78	< 2	< 10	82	< 0.5	< 2	5.01	27	132	4.27	< 10	< 1	0.12	< 10	3.25
2659	< 5	< 0.2	< 0.5	33	622	< 1	112	< 2	44	3.07	< 2	< 10	19	< 0.5	< 2	4.34	33	182	4.69	< 10	< 1	0.04	< 10	3.73
2660	< 5	< 0.2	< 0.5	27	573	< 1	108	< 2	45	3.10	< 2	< 10	15	< 0.5	< 2	5.39	31	181	4.44	< 10	< 1	0.03	< 10	3.63
2661	10	< 0.2	< 0.5	34	520	< 1	99	< 2	40	2.85	< 2	< 10	< 10	< 0.5	< 2	4.31	29	151	4.09	< 10	< 1	0.02	< 10	3.31
2662	< 5	< 0.2	< 0.5	4	533	< 1	127	< 2	41	3.02	< 2	< 10	< 10	< 0.5	< 2	4.26	31	195	4.29	< 10	< 1	< 0.01	< 10	3.56
2663	< 5	< 0.2	< 0.5	7	596	< 1	52	< 2	39	3.42	< 2	< 10	33	< 0.5	< 2	4.49	26	158	4.64	10	< 1	0.07	< 10	2.86
2664	< 5	< 0.2	< 0.5	35	613	< 1	52	< 2	39	4.23	< 2	< 10	42	< 0.5	< 2	4.46	33	146	4.78	10	< 1	0.09	< 10	2.90
2665	< 5	< 0.2	0.6	4	619	< 1	55	8	55	3.50	< 2	< 10	34	< 0.5	< 2	4.23	26	144	4.67	10	< 1	0.08	< 10	3.22
2666	< 5	< 0.2	< 0.5	< 1	899	< 1	137	< 2	40	2.98	< 2	< 10	< 10	< 0.5	< 2	8.14	29	542	5.10	10	< 1	< 0.01	15	3.88
2667	< 5	< 0.2	< 0.5	< 1	875	< 1	150	< 2	50	3.89	2	< 10	< 10	< 0.5	< 2	6.68	36	538	6.40	10	< 1	< 0.01	29	5.37
2668	< 5	< 0.2	< 0.5	24	602	< 1	47	< 2	42	2.97	< 2	< 10	84	< 0.5	< 2	3.49	29	140	4.73	10	< 1	0.14	< 10	3.29
2669	< 5	< 0.2	< 0.5	25	517	< 1	37	< 2	34	3.00	< 2	< 10	79	< 0.5	< 2	3.27	25	127	4.20	10	1	0.14	< 10	2.35
2670	5	< 0.2	< 0.5	19	545	< 1	37	< 2	35	2.91	3	< 10	60	< 0.5	< 2	3.90	26	131	4.32	10	< 1	0.12	< 10	2.47
2671	< 5	< 0.2	< 0.5	26	767	< 1	28	< 2	52	3.39	< 2	< 10	11	< 0.5	< 2	3.09	40	116	5.36	< 10	< 1	0.01	< 10	3.60
2672	< 5	< 0.2	< 0.5	19	657	< 1	23	< 2	48	3.42	< 2	< 10	< 10	< 0.5	< 2	2.10	36	70	4.65	< 10	< 1	< 0.01	< 10	3.12
2673	< 5	< 0.2	< 0.5	17	643	< 1	24	< 2	48	3.25	< 2	< 10	< 10	< 0.5	< 2	2.24	33	92	4.52	< 10	< 1	0.01	< 10	2.93
2674	< 5	< 0.2	< 0.5	140	447	< 1	81	< 2	38	2.54	< 2	< 10	17	< 0.5	< 2	2.28	53	8	6.95	10	< 1	0.04	< 10	1.74
2675	< 5	< 0.2	< 0.5	79	417	< 1	93	< 2	34	2.80	< 2	< 10	20	< 0.5	< 2	2.31	57	8	7.80	10	< 1	0.05	< 10	1.48
2676	< 5	< 0.2	< 0.5	89	385	< 1	71	< 2	32	2.41	< 2	< 10	22	< 0.5	< 2	2.25	48	8	6.13	< 10	< 1	0.04	< 10	1.34
2677	5	< 0.2	< 0.5	96	388	< 1	81	< 2	35	2.64	< 2	< 10	23	< 0.5	< 2	2.32	52	8	6.94	10	< 1	0.05	< 10	1.49
2678	< 5	< 0.2	< 0.5	67	398	< 1	82	3	35	2.69	< 2	< 10	23	< 0.5	< 2	2.22	51	7	6.79	10	< 1	0.04	< 10	1.49
2679	< 5	< 0.2	< 0.5	82	443	< 1	98	< 2	44	2.89	2	< 10	17	< 0.5	< 2	2.09	63	7	8.08	10	< 1	0.03	< 10	1.87
2680	< 5	< 0.2	< 0.5	80	395	< 1	98	< 2	42	2.10	< 2	< 10	17	< 0.5	< 2	1.99	66	14	10.5	10	3	0.03	< 10	1.80
2681	< 5	< 0.2	< 0.5	77	470	< 1	88	< 2	49	2.50	4	< 10	22	< 0.5	< 2	2.91	56	7	7.87	10	< 1	0.03	< 10	2.13
2682	< 5	< 0.2	< 0.5	96	467	< 1	132	< 2	55	2.67	8	< 10	14	< 0.5	< 2	2.14	80	12	11.7	10	2	0.02	< 10	2.40
2683	< 5	< 0.2	< 0.5	93	492	< 1	143	< 2	57	2.59	< 2	< 10	11	< 0.5	< 2	2.35	69	14	14.9	20	4	0.02	< 10	2.49
2684	< 5	< 0.2	< 0.5	91	590	< 1	140	< 2	70	3.01	< 2	< 10	< 10	< 0.5	< 2	2.87	97	14	15.1	20	4	< 0.01	< 10	3.26
2685	< 5	0.2	< 0.5	122	539	< 1	154	< 2	71	3.07	< 2	< 10	< 10	< 0.5	< 2	2.55	86	15	17.6	20	4	< 0.01	< 10	3.25
2686	< 5	< 0.2	< 0.5	93	432	< 1	97	< 2	45	2.33	< 2	< 10	33	< 0.5	< 2	1.96	59	9	7.45	< 10	< 1	0.06	< 10	1.78
2687	< 5	< 0.2	< 0.5	102	434	< 1	99	< 2	47	2.14	< 2	< 10	20	< 0.5	< 2	1.78	61	7	8.09	< 10	< 1	0.04	< 10	1.84
2688	40	< 0.2	< 0.5	85	478	< 1	100	< 2	49	2.44	< 2	< 10	26	< 0.5	< 2	1.96	59	8	7.57	< 10	< 1	0.06	< 10	1.97
2689	< 5	< 0.2	< 0.5	115	851	< 1	125	< 2	65	3.26	< 2	< 10	< 10	< 0.5	< 2	5.79	60	8	9.46	10	2	< 0.01	< 10	3.83
2690	< 5	< 0.2	< 0.5	127	767	< 1	86	< 2	60	2.99	< 2	< 10	11	< 0.5	< 2	4.71	52	10	8.08	10	1	< 0.01	< 10	3.41
2691	< 5	< 0.2	< 0.5	79	736	< 1	98	< 2	54	2.80	< 2	< 10	17	< 0.5	< 2	4.55	51	30	8.48	10	< 1	0.02	< 10	2.88
2692	< 5	< 0.2	< 0.5	128	735	< 1	153	< 2	58	2.96	< 2	< 10	13	< 0.5	< 2	4.58	70	27	10.5	20	< 1	0.02	< 10	3.22
2693	< 5	< 0.2	< 0.5	57	817	< 1	80	< 2	46	2.44	< 2	< 10	50	< 0.5	< 2	4.40	38	34	5.95	10	< 1	0.08	< 10	2.90
2694	5	< 0.2	< 0.5	30	633	< 1	62	< 2	48	2.57	< 2	< 10	69	< 0.5	< 2	3.73	36	38	5.67	10	< 1	0.12	14	2.49
2695	5	< 0.2	< 0.5	146	948	< 1	119	< 2	63	3.53	2	< 10	< 10	< 0.5	< 2	6.05	58	24	9.96	20	2	< 0.01	< 10	3.91
2696	< 5	< 0.2	< 0.5	167	874	< 1	124	< 2	64	3.40	< 2	< 10	< 10	< 0.5	< 2	5.62	66	27	10.7	20	2	< 0.01	< 10	3.76
2697	40	< 0.2	< 0.5	103	796	< 1	118	< 2	62	3.40	< 2	< 10	< 10	< 0.5	< 2	5.26	80	29	10.6	20	3	0.01	< 10	3.66
2698	< 5	< 0.2	< 0.5	241	833	< 1	118	< 2	63	3.52	< 2	< 10	17	< 0.5	< 2	5.86	57	29	9.79	20	4	0.04	< 10	3.53
2699	< 5	< 0.2	< 0.5	171	974	< 1	120	< 2	60	3.19	< 2	< 10	< 10	< 0.5	< 2	5.38	62	30	10.3	20	2	0.01	< 10	3.89
2700	10	< 0.2	< 0.5	131	810	< 1	88	< 2	52	2.76	< 2	< 10	40	< 0.5	< 2	4.53	44	37	7.38	10	< 1	0.13	< 10	3.04

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2292	0.259	0.029	0.03	< 2	3	25	0.15	1	< 2	< 10	31	< 10	7	38
2293	0.201	0.030	0.03	< 2	5	36	0.20	1	< 2	< 10	72	< 10	7	13
2294	0.162	0.084	0.07	< 2	6	72	0.25	5	< 2	< 10	86	< 10	8	16
2295	0.291	0.030	0.02	< 2	3	30	0.16	1	< 2	< 10	28	< 10	7	41
2296	0.257	0.030	0.06	< 2	3	32	0.15	< 1	< 2	< 10	26	< 10	8	39
2297	0.251	0.030	0.02	< 2	3	30	0.16	< 1	< 2	< 10	25	< 10	8	41
2298	0.303	0.030	< 0.01	< 2	3	33	0.16	2	< 2	< 10	27	< 10	8	37
2299	0.199	0.111	0.05	< 2	6	93	0.23	< 1	< 2	< 10	61	< 10	10	10
2300	0.196	0.170	0.05	< 2	8	125	0.24	< 1	< 2	< 10	75	< 10	12	6
2301	0.087	0.007	0.08	< 2	5	36	0.13	3	< 2	< 10	83	< 10	2	2
2302	0.166	0.019	0.09	< 2	6	37	0.26	2	< 2	< 10	80	< 10	3	3
2303	0.191	0.024	0.11	< 2	6	31	0.30	5	< 2	< 10	75	< 10	4	3
2304	0.123	0.012	0.18	< 2	6	20	0.21	2	< 2	< 10	92	< 10	3	2
2305	0.044	0.006	0.63	< 2	4	10	0.14	< 1	< 2	< 10	77	< 10	2	2
2306	0.181	0.022	0.10	< 2	6	28	0.31	2	< 2	< 10	78	< 10	4	3
2307	0.174	0.018	0.15	< 2	5	23	0.23	< 1	< 2	< 10	83	< 10	3	2
2308	0.061	0.007	0.32	< 2	5	28	0.36	3	< 2	< 10	261	< 10	2	3
2309	0.082	0.009	0.15	< 2	7	32	0.23	< 1	< 2	< 10	146	< 10	4	3
2310	0.144	0.129	0.20	< 2	6	73	0.38	4	< 2	< 10	123	< 10	16	12
2311	0.083	0.042	0.06	< 2	5	41	0.17	< 1	< 2	< 10	96	< 10	4	12
2312	0.104	0.011	0.05	2	5	24	0.15	4	< 2	< 10	91	< 10	2	3
2313	0.108	0.007	0.05	< 2	4	22	0.17	1	< 2	< 10	108	< 10	2	2
2314	0.113	0.006	0.14	< 2	4	19	0.11	< 1	< 2	< 10	77	< 10	2	2
2315	0.147	0.005	0.08	< 2	3	23	0.11	2	< 2	< 10	70	< 10	2	2
2316	0.094	0.007	0.08	< 2	4	18	0.13	2	< 2	< 10	74	< 10	2	2
2317	0.102	0.008	0.10	< 2	5	24	0.17	< 1	< 2	< 10	104	< 10	4	2
2318	0.166	0.008	0.08	< 2	7	30	0.20	4	< 2	< 10	119	< 10	5	3
2319	0.104	0.011	0.10	< 2	5	27	0.17	8	< 2	< 10	104	< 10	3	3
2320	0.091	0.008	0.21	< 2	6	22	0.21	< 1	< 2	< 10	143	< 10	3	2
2321	0.084	0.007	0.09	< 2	3	15	0.12	< 1	< 2	< 10	73	< 10	2	2
2322	0.073	0.007	0.13	< 2	5	17	0.15	< 1	< 2	< 10	92	< 10	3	2
2323	0.105	0.025	0.09	< 2	5	25	0.20	4	< 2	< 10	113	< 10	5	4
2324	0.083	0.010	0.05	< 2	5	25	0.20	3	< 2	< 10	101	< 10	4	2
2325	0.094	0.008	0.08	< 2	6	24	0.16	< 1	< 2	< 10	85	< 10	3	2
2326	0.108	0.008	0.04	< 2	5	25	0.13	< 1	< 2	< 10	74	< 10	3	2
2327	0.124	0.011	0.11	< 2	6	19	0.16	1	< 2	< 10	78	< 10	5	5
2328	0.106	0.007	0.09	< 2	6	17	0.16	2	< 2	< 10	91	< 10	3	2
2329	0.083	0.006	0.08	< 2	5	27	0.17	< 1	< 2	< 10	97	< 10	2	2
2330	0.088	0.008	0.07	< 2	6	30	0.19	< 1	< 2	< 10	117	< 10	4	2
2331	0.042	0.019	0.05	< 2	10	16	0.19	2	< 2	< 10	158	< 10	7	3
2332	0.068	0.008	0.10	< 2	5	20	0.20	4	< 2	< 10	124	< 10	3	2
2333	0.067	0.006	0.06	< 2	5	21	0.17	3	< 2	< 10	113	< 10	2	2
2334	0.119	0.017	0.16	< 2	8	21	0.34	2	< 2	< 10	221	< 10	11	9
2335	0.070	0.009	0.04	< 2	5	16	0.18	< 1	< 2	< 10	112	< 10	3	2
2336	0.067	0.005	0.07	< 2	5	19	0.15	2	< 2	< 10	91	< 10	2	2
2337	0.058	0.006	0.05	< 2	5	22	0.17	3	< 2	< 10	105	< 10	2	2
2338	0.060	0.009	0.06	< 2	4	25	0.18	2	< 2	< 10	129	< 10	3	2
2339	0.076	0.013	0.08	< 2	5	31	0.25	< 1	< 2	< 10	159	< 10	4	3
2340	0.173	0.172	0.26	< 2	8	160	0.35	1	< 2	< 10	107	< 10	11	12
2341	0.093	0.149	0.07	< 2	5	80	0.25	5	< 2	< 10	88	< 10	6	14
2342	0.117	0.117	0.10	< 2	6	101	0.27	5	< 2	< 10	90	< 10	7	18
2343	0.061	0.037	0.11	< 2	5	34	0.21	2	< 2	< 10	106	< 10	4	7

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2344	0.053	0.007	0.08	< 2	5	21	0.15	< 1	< 2	< 10	87	< 10	3	2
2345	0.129	0.015	0.08	< 2	7	27	0.20	3	< 2	< 10	86	< 10	12	7
2346	0.073	0.007	0.06	< 2	4	19	0.14	< 1	< 2	< 10	79	< 10	2	2
2347	0.070	0.008	0.03	< 2	4	17	0.13	< 1	< 2	< 10	86	< 10	2	2
2348	0.081	0.009	0.03	< 2	5	24	0.17	4	< 2	< 10	95	< 10	3	2
2349	0.066	0.011	0.11	< 2	5	19	0.22	1	< 2	< 10	133	< 10	4	3
2350	0.405	0.034	0.12	< 2	14	25	0.26	2	< 2	< 10	123	< 10	8	9
2351	0.479	0.035	0.13	< 2	15	30	0.26	2	< 2	< 10	139	< 10	9	8
2352	0.421	0.033	0.13	< 2	13	29	0.25	1	< 2	< 10	132	< 10	9	7
2353	0.175	0.029	0.12	< 2	10	21	0.33	< 1	< 2	< 10	127	< 10	7	6
2354	0.238	0.031	0.13	< 2	10	21	0.31	5	< 2	< 10	140	< 10	8	7
2355	0.033	0.025	0.09	< 2	28	29	0.11	< 1	< 2	< 10	201	< 10	10	3
2356-A	0.046	0.081	0.62	< 2	24	43	0.09	1	< 2	< 10	203	< 10	13	12
2356-B	0.041	0.042	0.19	< 2	33	37	0.09	2	< 2	< 10	255	< 10	11	5
2561	0.050	0.029	0.10	< 2	24	68	0.21	< 1	< 2	< 10	211	< 10	10	4
2562	0.027	0.030	0.12	< 2	30	80	0.11	< 1	< 2	< 10	252	< 10	12	4
2563	0.062	0.040	0.29	< 2	31	48	0.14	2	< 2	< 10	274	< 10	18	6
2564	0.076	0.044	0.14	< 2	22	51	0.14	< 1	< 2	< 10	212	< 10	10	9
2565	0.045	0.044	0.27	< 2	20	52	0.29	1	< 2	< 10	282	< 10	10	5
2566	0.071	0.040	0.16	< 2	11	46	0.33	2	< 2	< 10	173	< 10	8	5
2567	0.111	0.042	0.23	< 2	12	47	0.38	3	< 2	< 10	178	< 10	9	6
2568	0.150	0.141	0.09	< 2	6	95	0.26	1	< 2	< 10	74	< 10	9	11
2569	0.192	0.189	0.69	< 2	7	146	0.30	4	< 2	< 10	92	< 10	11	14
2570	0.175	0.056	0.37	< 2	15	35	0.31	7	< 2	< 10	155	< 10	13	8
2571	0.141	0.043	0.17	< 2	13	21	0.30	3	< 2	< 10	162	< 10	10	7
2572	0.126	0.039	0.19	< 2	12	31	0.36	2	< 2	< 10	151	< 10	10	6
2573	0.120	0.038	0.15	< 2	11	16	0.30	< 1	< 2	< 10	158	< 10	8	5
2574	0.154	0.049	0.09	< 2	13	20	0.27	1	< 2	< 10	116	< 10	12	7
2575	0.132	0.029	0.09	< 2	8	18	0.25	< 1	< 2	< 10	121	< 10	6	5
2576	0.110	0.028	0.07	< 2	9	17	0.25	2	< 2	< 10	115	< 10	6	4
2577	0.160	0.032	0.07	< 2	9	21	0.29	< 1	< 2	< 10	126	< 10	7	5
2578	0.144	0.025	0.07	< 2	8	23	0.25	2	< 2	< 10	104	< 10	6	6
2579	0.147	0.025	0.05	< 2	7	28	0.26	3	< 2	< 10	100	< 10	7	8
2580	0.133	0.030	0.09	< 2	9	25	0.31	2	< 2	< 10	135	< 10	8	7
2581	0.126	0.030	0.09	< 2	8	29	0.30	3	< 2	< 10	135	< 10	7	7
2582	0.125	0.099	0.07	< 2	7	48	0.25	< 1	< 2	< 10	95	< 10	10	17
2583	0.120	0.051	0.12	< 2	9	47	0.29	< 1	< 2	< 10	126	< 10	9	12
2584	0.048	0.026	0.09	< 2	32	100	0.21	< 1	< 2	< 10	241	< 10	11	3
2585	0.045	0.026	0.10	< 2	32	116	0.15	< 1	< 2	< 10	218	< 10	8	3
2586	0.057	0.074	0.09	< 2	26	134	0.14	2	< 2	< 10	199	< 10	10	16
2587	0.013	0.097	0.03	< 2	16	143	0.04	< 1	< 2	< 10	114	< 10	7	9
2588	0.058	0.106	0.26	< 2	20	163	0.13	2	< 2	< 10	182	< 10	11	13
2589	0.070	0.113	0.27	< 2	23	139	0.20	< 1	< 2	< 10	238	< 10	12	21
2590	0.038	0.097	0.15	< 2	19	127	0.24	2	< 2	< 10	160	< 10	11	22
2591	0.037	0.089	0.10	2	17	138	0.23	1	< 2	< 10	155	< 10	10	19
2592	0.197	0.034	0.17	< 2	11	30	0.28	5	< 2	< 10	141	< 10	9	7
2593	0.088	0.055	0.12	< 2	10	56	0.34	7	< 2	< 10	143	< 10	9	10
2594	0.145	0.030	0.12	< 2	10	25	0.28	3	< 2	< 10	129	< 10	8	6
2595	0.183	0.031	0.14	< 2	11	26	0.29	5	< 2	< 10	141	< 10	8	8
2596	0.148	0.021	0.16	< 2	10	19	0.41	2	< 2	< 10	230	< 10	6	7
2597	0.139	0.002	0.21	< 2	9	25	0.54	3	< 2	< 10	333	< 10	1	2
2598	0.137	< 0.001	0.15	< 2	10	41	0.67	6	< 2	< 10	349	< 10	2	2

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2599	0.206	0.002	0.08	< 2	13	17	0.64	< 1	< 2	< 10	331	< 10	2	2
2600	0.093	0.019	0.32	< 2	8	15	0.36	3	< 2	< 10	160	< 10	5	4
2601	0.146	0.026	0.04	< 2	11	26	0.33	2	< 2	< 10	133	< 10	7	6
2602	0.210	0.029	0.03	< 2	10	31	0.30	2	< 2	< 10	107	< 10	6	6
2603	0.142	0.031	0.05	< 2	8	21	0.26	1	< 2	< 10	105	< 10	6	5
2604	0.149	0.027	0.09	< 2	8	21	0.24	2	< 2	< 10	110	< 10	7	6
2605	0.045	0.026	0.11	< 2	19	17	0.22	1	< 2	< 10	191	< 10	8	3
2606	0.464	0.001	0.21	< 2	9	48	0.41	< 1	< 2	< 10	621	< 10	2	2
2607	0.445	0.002	0.20	< 2	9	43	0.42	3	< 2	< 10	576	< 10	2	2
2608	0.494	0.001	0.17	< 2	10	50	0.48	4	< 2	< 10	648	< 10	2	2
2609	0.428	0.001	0.18	< 2	10	43	0.51	3	< 2	< 10	637	< 10	2	2
2610	0.378	< 0.001	0.20	< 2	8	40	0.40	3	< 2	< 10	610	< 10	2	2
2611	0.435	0.001	0.44	< 2	7	46	0.34	3	< 2	< 10	605	< 10	2	2
2612	0.411	< 0.001	0.23	< 2	8	45	0.44	< 1	< 2	< 10	617	< 10	2	2
2613	0.578	0.001	0.19	< 2	8	60	0.41	4	< 2	< 10	454	< 10	2	2
2614	0.556	0.001	0.21	< 2	9	57	0.43	8	< 2	< 10	435	< 10	2	2
2615	0.546	0.002	0.16	< 2	8	61	0.40	< 1	< 2	< 10	400	< 10	2	3
2616	0.559	< 0.001	0.19	< 2	9	61	0.42	< 1	< 2	< 10	453	< 10	2	2
2617	0.661	0.001	0.18	< 2	10	60	0.45	< 1	< 2	< 10	433	< 10	2	2
2618	0.429	0.001	0.23	< 2	9	56	0.48	4	< 2	< 10	406	< 10	1	2
2619	0.536	0.001	0.40	< 2	10	61	0.46	2	< 2	< 10	480	< 10	2	2
2620	0.639	< 0.001	0.23	< 2	8	68	0.44	5	< 2	< 10	568	< 10	2	2
2621	0.597	0.001	0.23	< 2	9	70	0.43	2	< 2	< 10	528	< 10	2	2
2622	0.662	0.001	0.26	< 2	9	76	0.39	< 1	< 2	< 10	514	< 10	2	2
2623	0.053	0.002	0.20	< 2	28	47	0.25	1	< 2	< 10	603	< 10	3	2
2624	0.056	< 0.001	0.26	< 2	17	28	0.24	< 1	< 2	< 10	429	< 10	2	2
2625	0.046	0.001	0.22	< 2	24	39	0.22	< 1	< 2	< 10	494	< 10	2	2
2626	0.038	0.001	0.13	< 2	26	47	0.23	< 1	< 2	< 10	476	< 10	3	2
2627	0.031	0.001	0.22	< 2	27	50	0.21	2	< 2	< 10	532	< 10	3	2
2628	0.096	0.001	0.16	< 2	28	48	0.19	< 1	< 2	< 10	519	< 10	3	2
2629	0.058	0.002	0.14	< 2	18	43	0.21	< 1	< 2	< 10	446	< 10	2	2
2630	0.052	0.001	0.31	< 2	21	45	0.14	< 1	< 2	< 10	399	< 10	3	2
2631	0.031	0.001	0.31	2	30	46	0.16	< 1	< 2	< 10	619	< 10	3	2
2632	0.025	0.001	0.64	< 2	27	50	0.18	< 1	< 2	< 10	683	< 10	3	2
2633	0.038	0.002	0.60	< 2	24	41	0.17	< 1	< 2	< 10	526	< 10	3	2
2634	0.037	0.001	0.40	< 2	27	42	0.20	< 1	< 2	< 10	572	< 10	2	2
2635	0.026	0.001	0.41	< 2	28	40	0.20	2	< 2	< 10	694	< 10	2	2
2636	0.076	< 0.001	0.56	< 2	14	56	0.21	2	< 2	< 10	354	< 10	2	2
2637	0.077	< 0.001	0.24	< 2	22	41	0.22	< 1	< 2	< 10	524	< 10	2	2
2638	0.039	0.002	0.20	< 2	19	34	0.38	2	< 2	< 10	511	< 10	3	2
2639	0.067	0.001	0.19	< 2	9	31	0.43	3	< 2	< 10	443	< 10	2	3
2640	0.123	0.002	0.17	< 2	4	35	0.42	3	< 2	< 10	330	< 10	1	2
2641	0.159	0.028	0.02	< 2	7	46	0.09	2	< 2	< 10	76	< 10	4	2
2642	0.116	0.029	0.02	< 2	8	48	0.10	< 1	< 2	< 10	78	< 10	5	2
2643	0.140	0.031	0.20	< 2	11	50	0.15	2	< 2	< 10	126	< 10	4	2
2644	0.027	0.001	0.04	< 2	30	58	0.28	< 1	< 2	< 10	438	< 10	3	2
2645	0.042	0.003	0.05	< 2	27	58	0.28	3	< 2	< 10	442	< 10	3	2
2646	0.076	0.014	0.15	< 2	23	59	0.22	1	< 2	< 10	310	< 10	4	2
2647	0.269	0.022	0.02	< 2	6	51	0.18	< 1	3	< 10	77	< 10	3	8
2648	0.266	0.022	0.03	< 2	6	52	0.18	5	4	< 10	87	< 10	3	9
2649	0.162	0.020	0.03	< 2	7	42	0.17	< 1	< 2	< 10	110	< 10	4	7
2650	0.098	0.019	0.03	< 2	10	30	0.15	< 1	< 2	< 10	125	< 10	6	6

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2651	0.098	0.018	0.03	< 2	11	29	0.15	< 1	< 2	< 10	119	< 10	5	6
2652	0.107	0.017	0.03	< 2	12	26	0.15	< 1	< 2	< 10	118	< 10	5	6
2653	0.078	0.021	0.03	< 2	13	26	0.15	< 1	< 2	< 10	130	< 10	5	5
2654	0.153	0.011	0.03	< 2	16	33	0.16	< 1	< 2	< 10	138	< 10	3	3
2655	0.106	0.003	0.07	< 2	18	23	0.15	3	< 2	< 10	143	< 10	2	2
2656	0.141	0.003	0.09	< 2	16	28	0.14	< 1	< 2	< 10	141	< 10	2	1
2657	0.051	0.003	0.06	< 2	18	12	0.14	< 1	< 2	< 10	145	< 10	2	2
2658	0.055	0.010	0.03	< 2	13	12	0.10	< 1	< 2	< 10	99	< 10	4	3
2659	0.057	0.018	0.03	< 2	18	21	0.14	< 1	< 2	< 10	134	< 10	5	5
2660	0.039	0.016	0.04	< 2	15	24	0.13	< 1	< 2	< 10	129	< 10	5	4
2661	0.051	0.019	0.03	< 2	14	29	0.14	< 1	< 2	< 10	122	< 10	5	4
2662	0.055	0.015	0.02	< 2	12	47	0.14	< 1	< 2	< 10	110	< 10	4	3
2663	0.237	0.003	0.05	< 2	13	51	0.23	4	< 2	< 10	138	< 10	3	2
2664	0.452	0.002	0.11	< 2	9	59	0.19	1	< 2	< 10	129	< 10	1	1
2665	0.236	0.003	0.03	< 2	13	35	0.14	< 1	< 2	< 10	123	< 10	2	1
2666	0.021	0.112	0.05	< 2	13	13	0.07	< 1	< 2	< 10	97	< 10	4	10
2667	0.017	0.174	0.04	< 2	17	13	0.08	< 1	< 2	< 10	130	< 10	6	8
2668	0.053	0.023	0.02	< 2	8	12	0.06	< 1	< 2	< 10	76	< 10	4	4
2669	0.199	0.004	0.02	< 2	7	29	0.05	2	< 2	< 10	72	< 10	2	1
2670	0.184	0.004	0.03	< 2	8	24	0.07	6	< 2	< 10	83	< 10	2	1
2671	0.153	0.004	0.09	< 2	5	33	0.20	< 1	< 2	< 10	80	< 10	2	2
2672	0.237	0.002	0.04	< 2	3	42	0.18	< 1	< 2	< 10	48	< 10	1	1
2673	0.183	0.002	0.04	< 2	3	41	0.24	< 1	< 2	< 10	65	< 10	1	2
2674	0.332	0.004	0.24	< 2	8	45	0.35	6	< 2	< 10	593	< 10	2	3
2675	0.413	0.004	0.29	3	7	51	0.33	< 1	< 2	< 10	737	< 10	2	3
2676	0.381	0.007	0.21	< 2	7	42	0.34	3	2	< 10	569	< 10	3	4
2677	0.388	0.007	0.24	< 2	7	44	0.35	4	< 2	< 10	650	< 10	3	4
2678	0.400	0.006	0.25	< 2	7	49	0.34	< 1	< 2	< 10	633	< 10	3	3
2679	0.360	0.005	0.30	< 2	7	40	0.32	2	< 2	< 10	691	< 10	2	3
2680	0.188	0.004	0.22	2	5	24	0.51	5	< 2	< 10	1090	< 10	3	6
2681	0.187	0.006	0.20	< 2	6	28	0.38	2	< 2	< 10	635	< 10	3	3
2682	0.159	0.003	0.32	< 2	5	30	0.39	4	< 2	< 10	1030	< 10	1	3
2683	0.105	0.002	0.19	3	4	17	0.44	1	< 2	< 10	1430	< 10	< 1	4
2684	0.036	0.004	0.33	< 2	4	11	0.54	9	< 2	< 10	1320	< 10	1	4
2685	0.028	0.002	0.31	3	4	8	0.46	6	3	< 10	1650	< 10	1	4
2686	0.212	0.005	0.29	< 2	7	30	0.44	3	< 2	< 10	640	< 10	2	3
2687	0.119	0.005	0.29	< 2	6	23	0.45	2	< 2	< 10	668	< 10	2	3
2688	0.202	0.006	0.29	< 2	8	28	0.43	4	< 2	< 10	599	< 10	2	3
2689	0.018	0.003	0.22	< 2	31	38	0.12	< 1	< 2	< 10	715	< 10	4	2
2690	0.026	0.007	0.22	< 2	28	35	0.11	< 1	< 2	< 10	568	< 10	5	3
2691	0.039	0.015	0.17	< 2	19	38	0.14	< 1	< 2	< 10	665	< 10	5	3
2692	0.035	0.007	0.30	< 2	22	43	0.14	< 1	2	< 10	888	< 10	4	3
2693	0.046	0.020	0.13	< 2	18	41	0.09	< 1	< 2	< 10	265	< 10	6	4
2694	0.058	0.017	0.12	< 2	15	37	0.10	< 1	< 2	< 10	259	< 10	8	5
2695	0.017	0.003	0.29	< 2	30	55	0.11	4	< 2	< 10	734	< 10	4	3
2696	0.021	0.004	0.26	3	28	53	0.14	< 1	< 2	< 10	844	< 10	4	2
2697	0.016	0.003	0.89	< 2	27	49	0.09	< 1	< 2	< 10	800	< 10	3	3
2698	0.016	0.003	0.14	< 2	24	64	0.11	7	< 2	< 10	709	< 10	4	2
2699	0.021	0.003	0.22	2	27	54	0.13	< 1	< 2	< 10	768	< 10	3	2
2700	0.041	0.016	0.21	< 2	16	53	0.13	< 1	< 2	< 10	385	< 10	4	4

Quality Control

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas		28.8	3.3	1160	776	14	22	601	667	0.30	353	15	221	0.8	1240	0.80	9	8	21.8	10	7	0.03	< 10	0.14
GXR-1 Cert		31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750	1.22	1380	0.960	8.20	12.0	23.6	13.8	3.90	0.0500	7.50	0.217
GXR-4 Meas		3.6	< 0.5	6790	138	329	38	43	71	2.24	103	< 10	25	1.4	23	0.92	15	56	3.08	10	< 1	1.53	46	1.67
GXR-4 Cert		4.00	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01	14.6	64.0	3.09	20.0	0.110	4.01	64.5	1.66
GXR-6 Meas		0.3	0.7	77	1090	1	19	99	132	6.26	237	< 10	1000	1.0	< 2	0.21	16	84	5.71	20	< 1	1.02	11	0.43
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 13b (4-Acid) Meas		0.9		2520		11	2440		57		55						52	359						
OREAS 13b (4-Acid) Cert		0.86		2327		9.0	2247		133		57						75	8650						
CDN-GS-1F Meas	1080																							
CDN-GS-1F Cert	1160.00																							
CDN-GS-1F Meas	1070																							
CDN-GS-1F Cert	1160.00																							
CDN-GS-1F Meas	1270																							
CDN-GS-1F Cert	1160.00																							
CDN-GS-1F Meas	1070																							
CDN-GS-1F Cert	1160.00																							
CDN-GS-1F Meas	1200																							
CDN-GS-1F Cert	1160.00																							
CDN-GS-1F Meas	1050																							
CDN-GS-1F Cert	1160.00																							
CDN-GS-P2 Meas	204																							
CDN-GS-P2 Cert	214.00																							
CDN-GS-P2 Meas	210																							
CDN-GS-P2 Cert	214.00																							
CDN-GS-P2 Meas	214																							
CDN-GS-P2 Cert	214.00																							
CDN-GS-P2 Meas	235																							
CDN-GS-P2 Cert	214.00																							
CDN-GS-P2 Meas	213																							
CDN-GS-P2 Cert	214.00																							
2301 Orig	< 5																							
2301 Dup	< 5																							
2304 Orig		< 0.2	< 0.5	559	549	< 1	184	< 2	51	2.35	< 2	< 10	15	< 0.5	< 2	1.30	43	143	4.50	< 10	< 1	0.06	< 10	2.56
2304 Dup		< 0.2	< 0.5	539	556	< 1	187	< 2	52	2.25	< 2	< 10	15	< 0.5	< 2	1.32	43	142	4.53	< 10	< 1	0.05	< 10	2.58
2311 Orig	< 5																							
2311 Dup	< 5																							
2318 Orig		< 0.2	< 0.5	189	502	< 1	87	< 2	34	2.60	< 2	< 10	26	< 0.5	< 2	2.18	29	104	3.82	< 10	< 1	0.10	< 10	2.20
2318 Dup		< 0.2	< 0.5	188	504	< 1	86	< 2	35	2.62	< 2	< 10	27	< 0.5	< 2	2.18	29	104	3.86	< 10	< 1	0.10	< 10	2.20
2321 Orig	< 5	< 0.2	< 0.5	275	560	< 1	144	< 2	47	2.83	< 2	< 10	18	< 0.5	< 2	1.17	42	111	4.76	< 10	< 1	0.06	< 10	2.97
2321 Split	< 5	< 0.2	< 0.5	276	562	< 1	146	< 2	49	2.87	2	< 10	18	< 0.5	< 2	1.18	42	111	4.83	< 10	< 1	0.06	< 10	2.99
2321 Orig	< 5																							
2321 Dup	< 5																							
2331 Orig		< 0.2	< 0.5	151	762	< 1	116	< 2	51	2.91	< 2	< 10	11	< 0.5	< 2	4.42	36	207	5.29	< 10	< 1	0.02	< 10	3.44
2331 Dup		< 0.2	< 0.5	149	757	< 1	113	< 2	50	2.84	< 2	< 10	12	< 0.5	< 2	4.39	36	204	5.21	< 10	< 1	0.02	< 10	3.38
2336 Orig	< 5																							
2336 Dup	< 5																							
2341 Orig	< 5	< 0.2	< 0.5	35	566	< 1	23	< 2	54	1.75	< 2	< 10	417	0.5	< 2	2.54	20	148	3.43	< 10	< 1	1.18	< 10	1.90
2341 Split	5	< 0.2	< 0.5	35	639	< 1	23	< 2	56	2.02	< 2	< 10	400	0.8	< 2	3.11	22	157	4.10	< 10	< 1	1.16	10	2.17
2345 Orig		< 0.2	< 0.5	110	458	< 1	85	< 2	36	1.91	< 2	< 10	37	< 0.5	< 2	1.80	28	130	3.48	< 10	< 1	0.11	< 10	1.98
2345 Dup		< 0.2	< 0.5	111	456	< 1	83	< 2	35	1.92	2	< 10	37	< 0.5	< 2	1.79	28	129	3.43	< 10	< 1	0.11	< 10	1.97
2346 Orig	< 5																							
2346 Dup	< 5																							
2351 Orig	< 5	< 0.2	< 0.5	143	569	< 1	42	< 2	38	2.73	< 2	< 10	16	< 0.5	< 2	3.17	28	73	4.72	< 10	< 1	0.10	< 10	1.46
2351 Split	< 5	< 0.2	< 0.5	134	542	< 1	38	< 2	36	2.63	< 2	< 10	16	< 0.5	< 2	3.05	27	69	4.48	< 10	< 1	0.09	< 10	1.38
2356-A Orig	136																							
2356-A Dup	113																							

Quality Control

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2571 Orig		< 0.2	< 0.5	116	667	< 1	29	< 2	69	2.03	< 2	< 10	50	< 0.5	< 2	2.11	35	33	5.54	< 10	< 1	0.13	< 10	1.77
2571 Dup		< 0.2	< 0.5	117	638	< 1	30	< 2	67	1.95	< 2	< 10	50	< 0.5	< 2	2.00	35	30	5.33	< 10	< 1	0.12	< 10	1.74
2574 Orig	< 5																							
2574 Dup	< 5																							
2584 Orig	< 5	< 0.2	< 0.5	17	1040	< 1	76	< 2	68	2.94	< 2	< 10	278	< 0.5	< 2	5.67	37	183	7.30	10	< 1	0.83	< 10	3.40
2584 Split	< 5	< 0.2	< 0.5	17	1040	< 1	75	< 2	65	2.92	< 2	< 10	276	< 0.5	< 2	5.63	38	182	7.29	10	< 1	0.83	< 10	3.37
2585 Orig	< 5	< 0.2	< 0.5	73	996	< 1	80	< 2	66	3.03	< 2	< 10	114	< 0.5	< 2	5.15	37	191	7.33	10	< 1	0.32	< 10	3.60
2585 Dup	< 5	< 0.2	< 0.5	74	1010	< 1	82	< 2	70	3.09	< 2	< 10	116	< 0.5	< 2	5.19	41	196	7.45	10	< 1	0.33	< 10	3.69
2594 Orig	< 5	< 0.2	< 0.5	136	586	< 1	58	< 2	104	2.15	< 2	< 10	20	< 0.5	< 2	2.19	32	74	4.43	< 10	2	0.06	< 10	1.79
2594 Split	< 5	< 0.2	0.6	141	603	< 1	62	< 2	132	2.22	< 2	< 10	19	< 0.5	< 2	2.19	33	78	4.76	< 10	< 1	0.05	< 10	1.88
2594 Orig	< 5																							
2594 Dup	< 5																							
2598 Orig		< 0.2	0.8	101	576	< 1	3	2	127	2.40	< 2	< 10	18	< 0.5	< 2	2.75	43	7	5.76	< 10	< 1	0.06	< 10	1.76
2598 Dup		< 0.2	0.7	95	559	< 1	4	< 2	122	2.29	< 2	< 10	17	< 0.5	< 2	2.66	42	9	5.61	< 10	< 1	0.06	< 10	1.72
2609 Orig	< 5																							
2609 Dup	< 5																							
2612 Orig		< 0.2	< 0.5	63	418	< 1	4	< 2	39	2.35	< 2	< 10	18	< 0.5	< 2	2.46	44	4	6.96	10	< 1	0.05	< 10	1.15
2612 Dup		< 0.2	< 0.5	64	427	< 1	8	< 2	39	2.40	< 2	< 10	18	< 0.5	< 2	2.50	47	4	7.01	10	1	0.05	< 10	1.16
2614 Orig	< 5	< 0.2	< 0.5	49	450	< 1	4	< 2	37	2.76	< 2	< 10	14	< 0.5	< 2	2.93	41	5	5.66	< 10	< 1	0.04	< 10	1.25
2614 Split	11	< 0.2	< 0.5	49	436	< 1	4	< 2	37	2.75	< 2	< 10	14	< 0.5	< 2	2.91	41	4	5.74	< 10	< 1	0.04	< 10	1.25
2619 Orig	< 5																							
2619 Dup	< 5																							
2629 Orig	< 5																							
2629 Dup	< 5																							
2630 Orig		< 0.2	< 0.5	52	825	< 1	6	< 2	44	3.11	< 2	< 10	35	< 0.5	< 2	6.06	53	19	7.60	10	< 1	0.07	< 10	2.93
2630 Dup		< 0.2	< 0.5	52	841	< 1	6	< 2	44	3.16	< 2	< 10	34	< 0.5	< 2	6.11	54	20	7.72	10	< 1	0.07	< 10	2.98
2644 Orig	< 5	< 0.2	< 0.5	11	921	< 1	4	< 2	74	3.19	< 2	< 10	< 10	< 0.5	< 2	5.50	48	13	8.37	10	< 1	< 0.01	< 10	3.58
2644 Split	< 5	< 0.2	< 0.5	13	962	< 1	2	< 2	78	3.48	< 2	< 10	< 10	< 0.5	< 2	5.82	50	14	9.00	20	< 1	< 0.01	< 10	3.86
2644 Orig	< 5	< 0.2	< 0.5	11	914	< 1	3	< 2	74	3.14	< 2	< 10	< 10	< 0.5	< 2	5.44	48	13	8.27	10	< 1	< 0.01	< 10	3.53
2644 Dup	< 5	< 0.2	< 0.5	11	929	< 1	4	< 2	75	3.24	< 2	< 10	< 10	< 0.5	< 2	5.55	48	13	8.47	10	1	< 0.01	< 10	3.64
2654 Orig	< 5																							
2654 Dup	< 5																							
2657 Orig		< 0.2	< 0.5	40	721	< 1	54	< 2	52	3.75	< 2	< 10	< 10	< 0.5	< 2	4.38	42	152	6.50	10	< 1	0.01	< 10	4.46
2657 Dup		< 0.2	< 0.5	40	713	< 1	53	< 2	52	3.69	< 2	< 10	< 10	< 0.5	< 2	4.27	41	151	6.34	10	< 1	0.01	< 10	4.41
2664 Orig	< 5																							
2664 Dup	< 5																							
2671 Orig		< 0.2	< 0.5	26	769	< 1	29	< 2	52	3.41	< 2	< 10	10	< 0.5	< 2	3.09	40	117	5.43	< 10	< 1	0.01	< 10	3.63
2671 Dup		< 0.2	< 0.5	25	765	< 1	28	< 2	52	3.38	< 2	< 10	11	< 0.5	< 2	3.09	39	116	5.29	< 10	1	0.01	< 10	3.58
2674 Orig	< 5	< 0.2	< 0.5	140	447	< 1	81	< 2	38	2.54	< 2	< 10	17	< 0.5	< 2	2.28	53	8	6.95	10	< 1	0.04	< 10	1.74
2674 Split	< 5	< 0.2	< 0.5	153	466	< 1	88	< 2	39	2.76	< 2	< 10	17	< 0.5	< 2	2.41	57	8	7.46	10	< 1	0.05	< 10	1.79
2679 Orig	< 5																							
2679 Dup	15																							
2689 Orig	< 5																							
2689 Dup	< 5																							
2694 Orig	5	< 0.2	< 0.5	30	633	< 1	62	< 2	48	2.57	< 2	< 10	69	< 0.5	< 2	3.73	36	38	5.67	10	< 1	0.12	14	2.49
2694 Split	< 5	< 0.2	< 0.5	36	618	< 1	66	2	47	2.59	< 2	< 10	73	< 0.5	< 2	3.57	34	43	5.66	10	< 1	0.14	14	2.46
2694 Orig		< 0.2	< 0.5	30	636	< 1	60	< 2	50	2.60	< 2	< 10	69	< 0.5	< 2	3.77	36	38	5.72	10	< 1	0.12	14	2.51
2694 Dup		< 0.2	< 0.5	30	630	< 1	63	< 2	46	2.54	< 2	< 10	70	< 0.5	< 2	3.68	36	38	5.62	10	< 1	0.13	14	2.47
2699 Orig	< 5																							
2699 Dup	< 5																							
Method Blank Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Quality Control

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

Quality Control

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas	0.052	0.037	0.19	60	1	157		13	< 2	35	76	113	23	14
GXR-1 Cert	0.0520	0.0650	0.257	122	1.58	275		13.0	0.390	34.9	80.0	164	32.0	38.0
GXR-4 Meas	0.131	0.128	1.64	3	7	73		3	2	< 10	80	13	12	9
GXR-4 Cert	0.564	0.120	1.77	4.80	7.70	221		0.970	3.20	6.20	87.0	30.8	14.0	186
GXR-6 Meas	0.092	0.035	0.02	< 2	25	37		2	< 2	< 10	179	< 10	7	14
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 13b (4-Acid) Meas			1.15											
OREAS 13b (4-Acid) Cert			1.20											
CDN-GS-1F Meas														
CDN-GS-1F Cert														
CDN-GS-1F Meas														
CDN-GS-1F Cert														
CDN-GS-1F Meas														
CDN-GS-1F Cert														
CDN-GS-1F Meas														
CDN-GS-1F Cert														
CDN-GS-1F Meas														
CDN-GS-1F Cert														
CDN-GS-1F Meas														
CDN-GS-1F Cert														
CDN-GS-P2 Meas														
CDN-GS-P2 Cert														
CDN-GS-P2 Meas														
CDN-GS-P2 Cert														
CDN-GS-P2 Meas														
CDN-GS-P2 Cert														
CDN-GS-P2 Meas														
CDN-GS-P2 Cert														
CDN-GS-P2 Meas														
CDN-GS-P2 Cert														
2301 Orig														
2301 Dup														
2304 Orig	0.142	0.012	0.18	< 2	6	20	0.20	1	< 2	< 10	92	< 10	3	2
2304 Dup	0.105	0.012	0.18	< 2	6	20	0.21	3	< 2	< 10	93	< 10	3	2
2311 Orig														
2311 Dup														
2318 Orig	0.165	0.008	0.08	< 2	7	30	0.20	4	< 2	< 10	119	< 10	5	3
2318 Dup	0.167	0.008	0.08	< 2	7	30	0.20	4	< 2	< 10	120	< 10	5	3
2321 Orig	0.084	0.007	0.09	< 2	3	15	0.12	< 1	< 2	< 10	73	< 10	2	2
2321 Split	0.083	0.007	0.09	< 2	3	15	0.12	2	< 2	< 10	74	< 10	2	2
2321 Orig														
2321 Dup														
2331 Orig	0.042	0.019	0.05	< 2	10	16	0.19	1	< 2	< 10	157	< 10	7	3
2331 Dup	0.042	0.019	0.05	< 2	10	15	0.19	3	< 2	< 10	159	< 10	7	3
2336 Orig														
2336 Dup														
2341 Orig	0.093	0.149	0.07	< 2	5	80	0.25	5	< 2	< 10	88	< 10	6	14
2341 Split	0.176	0.144	0.07	< 2	9	125	0.32	3	< 2	< 10	112	< 10	9	14
2345 Orig	0.130	0.015	0.08	< 2	7	26	0.20	4	< 2	< 10	86	< 10	12	8
2345 Dup	0.128	0.015	0.08	< 2	7	27	0.20	3	< 2	< 10	86	< 10	12	7
2346 Orig														
2346 Dup														
2351 Orig	0.479	0.035	0.13	< 2	15	30	0.26	2	< 2	< 10	139	< 10	9	8
2351 Split	0.458	0.034	0.12	< 2	15	30	0.24	< 1	< 2	< 10	134	< 10	9	8
2356-A Orig														
2356-A Dup														

Quality Control

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Ta	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2571 Orig	0.143	0.043	0.17	< 2	13	22	0.32	4	< 2	< 10	167	< 10	11	7
2571 Dup	0.138	0.043	0.17	< 2	12	20	0.29	3	< 2	< 10	156	< 10	10	7
2574 Orig														
2574 Dup														
2584 Orig	0.048	0.026	0.09	< 2	32	100	0.21	< 1	< 2	< 10	241	< 10	11	3
2584 Split	0.047	0.027	0.09	< 2	32	100	0.22	< 1	< 2	< 10	236	< 10	11	4
2585 Orig	0.044	0.026	0.10	< 2	33	114	0.15	< 1	< 2	< 10	214	< 10	8	3
2585 Dup	0.045	0.026	0.10	< 2	32	117	0.15	< 1	< 2	< 10	222	< 10	8	3
2594 Orig	0.145	0.030	0.12	< 2	10	25	0.28	3	< 2	< 10	129	< 10	8	6
2594 Split	0.132	0.031	0.12	< 2	11	32	0.29	5	< 2	< 10	140	< 10	8	6
2594 Orig														
2594 Dup														
2598 Orig	0.139	< 0.001	0.16	< 2	10	42	0.68	6	< 2	< 10	356	< 10	2	2
2598 Dup	0.134	< 0.001	0.15	< 2	10	41	0.65	6	< 2	< 10	341	< 10	2	2
2609 Orig														
2609 Dup														
2612 Orig	0.409	< 0.001	0.23	< 2	8	44	0.45	< 1	< 2	< 10	612	< 10	2	2
2612 Dup	0.413	< 0.001	0.23	< 2	8	46	0.43	3	< 2	< 10	622	< 10	2	2
2614 Orig	0.556	0.001	0.21	< 2	9	57	0.43	8	< 2	< 10	435	< 10	2	2
2614 Split	0.558	< 0.001	0.21	< 2	8	57	0.39	< 1	< 2	< 10	424	< 10	2	2
2619 Orig														
2619 Dup														
2629 Orig														
2629 Dup														
2630 Orig	0.052	0.001	0.31	< 2	21	45	0.13	< 1	< 2	< 10	396	< 10	3	2
2630 Dup	0.052	0.001	0.30	< 2	21	46	0.15	< 1	< 2	< 10	403	< 10	3	2
2644 Orig	0.027	0.001	0.04	< 2	30	58	0.28	< 1	< 2	< 10	438	< 10	3	2
2644 Split	0.029	0.001	0.04	< 2	31	63	0.24	< 1	< 2	< 10	478	< 10	3	2
2644 Orig	0.026	0.001	0.04	< 2	29	58	0.29	< 1	< 2	< 10	436	< 10	3	2
2644 Dup	0.028	0.002	0.04	< 2	30	59	0.27	3	< 2	< 10	441	< 10	3	2
2654 Orig														
2654 Dup														
2657 Orig	0.052	0.003	0.06	< 2	18	12	0.14	< 1	< 2	< 10	146	< 10	2	2
2657 Dup	0.049	0.003	0.05	< 2	18	12	0.14	< 1	< 2	< 10	144	< 10	2	2
2664 Orig														
2664 Dup														
2671 Orig	0.151	0.004	0.09	< 2	5	32	0.19	< 1	< 2	< 10	80	< 10	2	2
2671 Dup	0.155	0.004	0.09	< 2	5	33	0.21	< 1	< 2	< 10	80	< 10	2	2
2674 Orig	0.332	0.004	0.24	< 2	8	45	0.35	6	< 2	< 10	593	< 10	2	3
2674 Split	0.362	0.005	0.24	< 2	9	46	0.36	5	< 2	< 10	635	< 10	3	3
2679 Orig														
2679 Dup														
2689 Orig														
2689 Dup														
2694 Orig	0.058	0.017	0.12	< 2	15	37	0.10	< 1	< 2	< 10	259	< 10	8	5
2694 Split	0.059	0.019	0.10	< 2	14	35	0.10	3	< 2	< 10	250	< 10	8	5
2694 Orig	0.057	0.016	0.12	< 2	15	37	0.10	< 1	< 2	< 10	259	< 10	8	5
2694 Dup	0.058	0.017	0.11	< 2	15	36	0.11	< 1	< 2	< 10	259	< 10	8	5
2699 Orig														
2699 Dup														
Method Blank Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Quality Control

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank Method Blank														
Method Blank Method Blank														
Method Blank Method Blank														
Method Blank Method Blank														
Method Blank Method Blank														
Method Blank Method Blank														
Method Blank Method Blank														
Method Blank Method Blank														
Method Blank Method Blank														
Method Blank Method Blank														

Report: A11-0391
Report Date: 2/10/2011

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2292	< 5	< 0.2	< 0.5	108	201	2	7	< 2	19	0.94	10	< 10	45	< 0.5	< 2	0.87	9	15	1.67
2293	< 5	< 0.2	< 0.5	34	400	< 1	27	< 2	40	1.84	< 2	< 10	79	< 0.5	< 2	1.21	21	44	3.78
2294	< 5	< 0.2	< 0.5	31	483	< 1	24	< 2	40	2.09	< 2	< 10	37	< 0.5	< 2	1.95	26	40	4.56
2295	< 5	< 0.2	< 0.5	28	205	< 1	3	< 2	18	1.08	< 2	< 10	46	< 0.5	< 2	0.73	10	10	1.72
2296	< 5	< 0.2	0.5	343	204	< 1	2	< 2	142	1.21	< 2	< 10	81	< 0.5	< 2	0.86	12	8	1.9
2297	< 5	0.2	< 0.5	116	180	< 1	2	< 2	19	1.11	< 2	< 10	73	< 0.5	< 2	0.79	10	9	1.58
2298	< 5	< 0.2	< 0.5	39	206	< 1	1	< 2	18	1.25	< 2	< 10	64	< 0.5	< 2	0.8	10	10	1.81
2299	< 5	< 0.2	< 0.5	31	333	< 1	14	< 2	69	1.43	< 2	< 10	34	< 0.5	< 2	2.01	14	82	2.57
2300	< 5	0.3	< 0.5	77	424	< 1	29	< 2	27	1.51	< 2	< 10	43	< 0.5	< 2	3.02	16	133	3.03
2301	< 5	< 0.2	< 0.5	180	512	< 1	100	< 2	46	2.44	< 2	< 10	25	< 0.5	< 2	1.19	35	130	4.18
2302	< 5	< 0.2	< 0.5	155	473	< 1	110	< 2	39	2.13	< 2	< 10	19	< 0.5	< 2	1.8	33	113	3.85
2303	< 5	< 0.2	< 0.5	154	523	< 1	127	< 2	41	2.36	< 2	< 10	18	< 0.5	< 2	2.19	36	121	4.27
2304	< 5	< 0.2	< 0.5	549	553	< 1	185	< 2	51	2.3	< 2	< 10	15	< 0.5	< 2	1.31	43	143	4.52
2305	11	0.5	< 0.5	1440	549	< 1	437	< 2	57	2.11	3	< 10	11	< 0.5	< 2	0.77	70	142	5.11
2306	< 5	< 0.2	< 0.5	168	493	< 1	120	< 2	36	2.1	< 2	< 10	24	< 0.5	< 2	1.95	34	118	3.92
2307	< 5	< 0.2	< 0.5	298	519	< 1	140	< 2	48	2.22	< 2	< 10	23	< 0.5	< 2	1.63	38	113	4.27
2308	< 5	0.3	< 0.5	643	647	< 1	195	< 2	50	2.59	< 2	< 10	17	< 0.5	< 2	1.89	54	182	5.45
2309	6	< 0.2	< 0.5	484	542	< 1	135	< 2	41	2.19	< 2	< 10	20	< 0.5	< 2	1.64	38	120	4.34
2310	< 5	< 0.2	< 0.5	101	501	< 1	48	< 2	37	1.99	< 2	< 10	27	< 0.5	< 2	2.46	28	109	4.48
2311	< 5	< 0.2	< 0.5	223	504	< 1	95	< 2	42	2.18	< 2	< 10	24	< 0.5	< 2	1.53	31	123	3.91
2312	< 5	< 0.2	< 0.5	117	581	< 1	107	< 2	51	2.79	6	< 10	24	< 0.5	< 2	1.16	37	105	4.7
2313	< 5	< 0.2	< 0.5	201	500	< 1	103	< 2	41	2.46	< 2	< 10	24	< 0.5	< 2	1.42	32	114	3.8
2314	< 5	< 0.2	< 0.5	382	568	< 1	174	< 2	49	2.79	2	< 10	19	< 0.5	< 2	1.74	44	101	4.52
2315	< 5	< 0.2	< 0.5	153	429	< 1	102	< 2	33	2.48	3	< 10	19	< 0.5	< 2	1.57	31	88	3.42
2316	< 5	< 0.2	< 0.5	136	480	< 1	124	< 2	39	2.5	< 2	< 10	20	< 0.5	< 2	1.44	36	82	3.94
2317	6	< 0.2	< 0.5	240	454	< 1	104	< 2	35	2.42	< 2	< 10	22	< 0.5	< 2	1.94	32	87	3.7
2318	< 5	< 0.2	< 0.5	189	503	< 1	87	< 2	35	2.61	< 2	< 10	27	< 0.5	< 2	2.18	29	104	3.84
2319	< 5	< 0.2	< 0.5	146	460	< 1	98	< 2	35	2.37	< 2	< 10	23	< 0.5	< 2	1.72	32	105	3.75
2320	< 5	< 0.2	< 0.5	274	534	< 1	138	< 2	39	2.2	< 2	< 10	18	< 0.5	< 2	1.65	41	124	4.41
2321	< 5	< 0.2	< 0.5	275	560	< 1	144	< 2	47	2.83	< 2	< 10	18	< 0.5	< 2	1.17	42	111	4.76
2322	< 5	< 0.2	< 0.5	194	564	< 1	152	< 2	46	2.6	< 2	< 10	17	< 0.5	< 2	1.37	44	122	4.82
2323	< 5	< 0.2	< 0.5	189	463	< 1	89	< 2	35	2.16	7	< 10	23	< 0.5	< 2	1.67	30	87	3.47
2324	< 5	< 0.2	< 0.5	233	509	< 1	102	< 2	39	2.44	3	< 10	21	< 0.5	< 2	1.74	31	121	3.8
2325	< 5	< 0.2	< 0.5	202	491	< 1	99	< 2	37	2.39	2	< 10	20	< 0.5	< 2	1.82	31	118	3.79
2326	< 5	< 0.2	< 0.5	136	434	< 1	84	< 2	32	2.24	< 2	< 10	19	< 0.5	< 2	1.55	26	98	3.35
2327	< 5	< 0.2	< 0.5	175	424	< 1	107	< 2	33	1.94	< 2	< 10	16	< 0.5	< 2	1.26	31	72	3.47
2328	< 5	< 0.2	< 0.5	262	530	< 1	130	< 2	42	2.49	< 2	< 10	15	< 0.5	< 2	1.34	39	96	4.42
2329	7	< 0.2	< 0.5	324	400	< 1	90	< 2	32	1.96	< 2	< 10	17	< 0.5	< 2	1.43	28	95	3.11
2330	< 5	< 0.2	< 0.5	149	464	< 1	85	< 2	32	2.14	< 2	< 10	16	< 0.5	< 2	1.83	29	116	3.58
2331	< 5	< 0.2	< 0.5	150	759	< 1	115	< 2	50	2.87	< 2	< 10	12	< 0.5	< 2	4.4	36	205	5.25
2332	< 5	< 0.2	< 0.5	186	481	< 1	101	< 2	38	2.19	< 2	< 10	16	< 0.5	< 2	1.36	34	139	3.92
2333	< 5	< 0.2	< 0.5	158	515	< 1	97	< 2	41	2.41	< 2	< 10	17	< 0.5	< 2	1.33	34	139	4.15
2334	< 5	< 0.2	< 0.5	179	477	< 1	94	< 2	35	1.88	< 2	< 10	55	< 0.5	< 2	1.74	36	63	4.31
2335	< 5	< 0.2	< 0.5	116	555	< 1	120	< 2	45	2.44	6	< 10	21	< 0.5	< 2	1.26	44	105	4.6
2336	< 5	< 0.2	< 0.5	124	552	< 1	139	< 2	45	2.59	< 2	< 10	15	< 0.5	< 2	1.24	40	153	4.58
2337	6	< 0.2	< 0.5	149	522	< 1	127	< 2	44	2.52	< 2	< 10	36	< 0.5	< 2	1.23	37	160	4.39
2338	6	< 0.2	< 0.5	125	530	< 1	103	< 2	43	2.43	< 2	< 10	84	< 0.5	< 2	1.39	33	83	4.36
2339	< 5	< 0.2	< 0.5	143	556	< 1	89	< 2	48	2.4	< 2	< 10	92	< 0.5	< 2	1.41	35	113	4.32

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2340	< 5	< 0.2	< 0.5	166	547	< 1	11	4	48	2.07	< 2	< 10	287	0.8	< 2	2.78	24	43	4.22
2341	< 5	< 0.2	< 0.5	35	566	< 1	23	< 2	54	1.75	< 2	< 10	417	0.5	< 2	2.54	20	148	3.43
2342	< 5	< 0.2	< 0.5	114	528	< 1	39	< 2	83	1.87	< 2	< 10	242	0.6	< 2	2.33	24	157	3.62
2343	< 5	< 0.2	< 0.5	150	533	< 1	85	< 2	47	2.21	< 2	< 10	70	< 0.5	< 2	1.59	36	133	4.03
2344	< 5	< 0.2	< 0.5	153	460	< 1	89	< 2	37	1.98	< 2	< 10	32	< 0.5	< 2	1.47	31	129	3.46
2345	< 5	< 0.2	< 0.5	110	457	< 1	84	< 2	36	1.92	< 2	< 10	37	< 0.5	< 2	1.8	28	130	3.45
2346	< 5	< 0.2	< 0.5	156	452	< 1	94	< 2	38	2.15	< 2	< 10	18	< 0.5	< 2	1.18	32	131	3.58
2347	< 5	< 0.2	< 0.5	108	474	< 1	86	< 2	41	2.28	< 2	< 10	16	< 0.5	< 2	1.14	30	123	3.82
2348	< 5	< 0.2	< 0.5	123	489	< 1	88	< 2	39	2.33	< 2	< 10	15	< 0.5	< 2	1.58	28	147	3.82
2349	< 5	< 0.2	< 0.5	128	536	< 1	93	< 2	42	2.39	< 2	< 10	12	< 0.5	< 2	1.38	36	119	4.48
2350	< 5	< 0.2	< 0.5	133	518	< 1	42	< 2	32	2.4	< 2	< 10	21	< 0.5	< 2	2.67	28	79	4.52
2351	< 5	< 0.2	< 0.5	143	569	< 1	42	< 2	38	2.73	< 2	< 10	16	< 0.5	< 2	3.17	28	73	4.72
2352	< 5	< 0.2	< 0.5	134	543	< 1	39	< 2	40	2.56	< 2	< 10	16	< 0.5	< 2	2.85	28	50	4.5
2353	< 5	< 0.2	< 0.5	148	542	< 1	43	< 2	47	2.14	< 2	< 10	14	< 0.5	< 2	2.08	29	55	4.4
2354	< 5	< 0.2	< 0.5	137	562	< 1	43	< 2	48	2.26	< 2	< 10	16	< 0.5	< 2	2.28	30	47	4.48
2355	< 5	< 0.2	< 0.5	76	972	< 1	56	< 2	60	2.98	15	< 10	< 10	< 0.5	< 2	5.96	35	161	7.28
2356-A	124	0.4	< 0.5	126	837	< 1	40	3	43	3	27	< 10	45	< 0.5	< 2	6.38	35	91	8.2
2356-B	6	< 0.2	< 0.5	127	1010	< 1	57	24	115	3.34	27	< 10	< 10	< 0.5	< 2	6	49	112	8.43
2561	13	< 0.2	< 0.5	176	869	< 1	78	< 2	63	2.8	2	< 10	112	< 0.5	< 2	4.47	40	134	6.67
2562	5	< 0.2	< 0.5	74	1010	< 1	59	< 2	68	3.12	< 2	< 10	22	< 0.5	< 2	5.8	39	90	7.48
2563	< 5	< 0.2	< 0.5	147	944	< 1	43	13	139	3.35	< 2	< 10	45	< 0.5	< 2	5.23	43	58	8.83
2564	< 5	< 0.2	< 0.5	80	933	< 1	56	11	112	2.96	< 2	< 10	63	< 0.5	< 2	5.47	35	75	7.32
2565	10	< 0.2	< 0.5	323	988	< 1	38	< 2	86	3.16	< 2	< 10	234	< 0.5	< 2	4.03	45	52	9.15
2566	< 5	< 0.2	< 0.5	117	910	< 1	38	< 2	73	2.43	< 2	< 10	65	< 0.5	< 2	3.2	39	44	6.76
2567	< 5	< 0.2	< 0.5	115	731	< 1	38	< 2	57	2.13	< 2	< 10	57	< 0.5	< 2	2.05	39	40	6.21
2568	< 5	< 0.2	< 0.5	48	523	< 1	34	< 2	44	1.56	< 2	< 10	59	0.6	< 2	2.68	20	182	3.14
2569	< 5	< 0.2	< 0.5	106	524	< 1	8	< 2	39	1.65	< 2	< 10	88	0.7	< 2	2.76	25	40	4
2570	< 5	< 0.2	< 0.5	139	719	< 1	25	3	85	1.89	< 2	< 10	117	< 0.5	< 2	2.75	40	34	5.93
2571	< 5	< 0.2	< 0.5	117	653	< 1	29	< 2	68	1.99	< 2	< 10	50	< 0.5	< 2	2.05	35	32	5.44
2572	< 5	< 0.2	< 0.5	118	645	< 1	27	< 2	55	2	< 2	< 10	21	< 0.5	< 2	2.87	33	38	5.08
2573	< 5	< 0.2	< 0.5	104	668	< 1	32	< 2	62	1.99	< 2	< 10	20	< 0.5	< 2	2.06	34	35	5.34
2574	< 5	< 0.2	< 0.5	68	728	< 1	30	< 2	61	2.05	< 2	< 10	14	< 0.5	< 2	2.38	30	43	5.36
2575	< 5	< 0.2	< 0.5	132	611	< 1	64	< 2	50	2.17	< 2	< 10	12	< 0.5	< 2	2.25	31	86	4.77
2576	< 5	< 0.2	< 0.5	96	605	< 1	72	< 2	48	2.18	< 2	< 10	11	< 0.5	< 2	2.11	31	90	4.69
2577	< 5	< 0.2	< 0.5	100	618	< 1	71	< 2	47	2.3	< 2	< 10	12	< 0.5	< 2	2.4	34	88	4.87
2578	< 5	< 0.2	< 0.5	97	608	< 1	73	< 2	44	2.21	< 2	< 10	15	< 0.5	< 2	2.36	30	73	4.33
2579	< 5	< 0.2	< 0.5	114	517	< 1	53	< 2	43	1.95	2	< 10	17	< 0.5	< 2	1.94	25	65	3.68
2580	< 5	< 0.2	< 0.5	120	682	< 1	71	< 2	50	2.33	< 2	< 10	32	< 0.5	< 2	2.39	33	80	4.86
2581	< 5	< 0.2	< 0.5	115	634	< 1	71	< 2	46	2.26	< 2	< 10	74	< 0.5	< 2	2.26	32	79	4.75
2582	< 5	< 0.2	< 0.5	41	612	< 1	131	< 2	44	2.11	< 2	< 10	68	< 0.5	< 2	2.79	31	395	4.15
2583	< 5	< 0.2	< 0.5	95	603	< 1	83	< 2	44	2.09	2	< 10	93	< 0.5	< 2	2.61	32	168	4.44
2584	< 5	< 0.2	< 0.5	17	1040	< 1	76	< 2	68	2.94	< 2	< 10	278	< 0.5	< 2	5.67	37	183	7.3
2585	< 5	< 0.2	< 0.5	73	1010	< 1	81	< 2	68	3.06	< 2	< 10	115	< 0.5	< 2	5.17	39	194	7.39
2586	< 5	< 0.2	< 0.5	28	965	< 1	82	< 2	64	2.87	2	< 10	206	0.5	< 2	5.63	33	215	6.77
2587	< 5	< 0.2	< 0.5	< 1	1060	< 1	362	< 2	67	3.24	< 2	< 10	50	< 0.5	< 2	5.33	37	630	6.67
2588	< 5	< 0.2	< 0.5	89	883	< 1	122	< 2	56	2.68	< 2	< 10	200	0.7	< 2	5.69	36	307	6.02
2589	7	< 0.2	< 0.5	118	754	< 1	20	< 2	55	2.34	< 2	< 10	269	1	< 2	4.67	29	92	6.55
2590	5	< 0.2	< 0.5	41	823	< 1	175	< 2	68	2.97	6	< 10	374	1.2	< 2	4.37	36	435	5.73

Report: A11-0391
Report Date: 2/10/2011

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2591	< 5	< 0.2	< 0.5	42	890	< 1	209	< 2	64	3.06	< 2	< 10	403	1.1	< 2	4.63	32	578	6.36
2592	< 5	< 0.2	< 0.5	173	605	< 1	62	< 2	49	2.38	< 2	< 10	36	< 0.5	< 2	2.32	35	87	4.72
2593	< 5	< 0.2	< 0.5	145	574	< 1	59	< 2	50	2.41	< 2	< 10	15	< 0.5	< 2	2.51	33	91	4.83
2594	< 5	< 0.2	< 0.5	136	586	< 1	58	< 2	104	2.15	< 2	< 10	20	< 0.5	< 2	2.19	32	74	4.43
2595	< 5	< 0.2	< 0.5	145	588	< 1	61	< 2	56	2.31	< 2	< 10	25	< 0.5	< 2	2.11	33	81	4.55
2596	346	< 0.2	< 0.5	154	569	< 1	42	< 2	90	2.33	< 2	< 10	20	< 0.5	< 2	1.69	41	50	5.08
2597	7	< 0.2	< 0.5	106	605	< 1	6	< 2	70	2.22	< 2	< 10	21	< 0.5	< 2	2.17	47	8	5.7
2598	5	< 0.2	0.7	98	567	< 1	3	< 2	124	2.34	< 2	< 10	17	< 0.5	< 2	2.71	43	8	5.69
2599	13	< 0.2	< 0.5	241	680	< 1	7	< 2	79	2.58	< 2	< 10	17	< 0.5	< 2	2.49	44	15	6.56
2600	1830	0.6	0.8	1510	568	< 1	53	< 2	121	2.22	< 2	< 10	12	< 0.5	< 2	1.28	48	87	5.46
2601	16	< 0.2	< 0.5	136	605	< 1	69	< 2	64	2.29	< 2	< 10	< 10	< 0.5	< 2	1.99	32	111	4.98
2602	< 5	< 0.2	< 0.5	92	558	< 1	62	< 2	53	2.19	< 2	< 10	15	< 0.5	< 2	2.1	26	97	4.09
2603	96	< 0.2	< 0.5	176	561	< 1	52	< 2	56	2.01	< 2	< 10	15	< 0.5	< 2	2	26	76	4.23
2604	< 5	< 0.2	< 0.5	121	559	< 1	64	< 2	46	2.1	< 2	< 10	22	< 0.5	< 2	1.92	29	79	4.17
2605	21	< 0.2	< 0.5	103	1030	< 1	84	< 2	71	3.03	< 2	< 10	< 10	< 0.5	< 2	4.77	37	123	6.82
2606	< 5	< 0.2	< 0.5	58	446	< 1	6	< 2	36	2.36	< 2	< 10	17	< 0.5	< 2	2.43	43	5	6.6
2607	< 5	< 0.2	< 0.5	58	451	< 1	7	< 2	42	2.38	< 2	< 10	16	< 0.5	< 2	2.52	43	6	6.71
2608	< 5	< 0.2	< 0.5	50	467	< 1	5	< 2	41	2.51	< 2	< 10	17	< 0.5	< 2	2.58	42	5	7.34
2609	< 5	< 0.2	< 0.5	59	491	< 1	5	< 2	43	2.7	< 2	< 10	20	< 0.5	< 2	2.77	42	5	7.51
2610	< 5	< 0.2	< 0.5	56	410	< 1	6	< 2	41	2.4	< 2	< 10	16	< 0.5	< 2	2.35	45	4	7
2611	< 5	< 0.2	< 0.5	124	429	< 1	13	< 2	43	2.61	< 2	< 10	17	< 0.5	< 2	2.2	60	4	7.36
2612	42	< 0.2	< 0.5	64	422	< 1	6	< 2	39	2.38	< 2	< 10	18	< 0.5	< 2	2.48	46	4	6.98
2613	< 5	< 0.2	< 0.5	49	425	< 1	4	< 2	33	2.7	< 2	< 10	14	< 0.5	< 2	2.74	38	5	5.64
2614	< 5	< 0.2	< 0.5	49	450	< 1	4	< 2	37	2.76	< 2	< 10	14	< 0.5	< 2	2.93	41	5	5.66
2615	< 5	< 0.2	< 0.5	44	407	< 1	4	< 2	33	2.59	< 2	< 10	17	< 0.5	< 2	2.58	34	5	5
2616	< 5	< 0.2	< 0.5	48	432	< 1	4	< 2	36	2.62	< 2	< 10	15	< 0.5	< 2	2.71	39	6	5.55
2617	< 5	< 0.2	< 0.5	50	473	< 1	4	< 2	42	2.92	< 2	< 10	17	< 0.5	< 2	2.82	40	6	5.8
2618	< 5	< 0.2	< 0.5	53	428	< 1	4	< 2	39	2.51	6	< 10	15	< 0.5	< 2	2.68	41	4	5.34
2619	< 5	< 0.2	< 0.5	90	467	< 1	8	< 2	43	2.86	< 2	< 10	16	< 0.5	< 2	2.99	51	5	6.66
2620	< 5	< 0.2	< 0.5	61	409	< 1	5	< 2	38	3.05	< 2	< 10	15	< 0.5	< 2	2.8	45	5	6.81
2621	< 5	< 0.2	< 0.5	62	488	< 1	7	< 2	41	3.11	< 2	< 10	17	< 0.5	< 2	3.24	45	5	6.69
2622	< 5	< 0.2	< 0.5	70	459	< 1	5	< 2	42	3.29	< 2	< 10	21	< 0.5	< 2	2.99	50	5	6.58
2623	< 5	< 0.2	< 0.5	35	881	< 1	4	< 2	59	3.3	< 2	< 10	< 10	< 0.5	< 2	5.87	58	6	9.33
2624	< 5	< 0.2	< 0.5	43	628	< 1	4	< 2	39	2.19	< 2	< 10	< 10	< 0.5	< 2	3.94	47	7	6.3
2625	< 5	< 0.2	< 0.5	37	878	< 1	10	< 2	53	3.29	< 2	< 10	< 10	< 0.5	< 2	5.24	52	10	8.51
2626	< 5	< 0.2	< 0.5	31	914	< 1	8	< 2	55	3.44	< 2	< 10	< 10	< 0.5	< 2	5.7	53	9	8.92
2627	< 5	< 0.2	< 0.5	38	878	< 1	5	< 2	60	3.24	4	< 10	< 10	< 0.5	< 2	6.01	54	10	8.88
2628	< 5	< 0.2	< 0.5	27	882	< 1	2	< 2	60	3.44	< 2	< 10	< 10	< 0.5	< 2	6	54	13	8.75
2629	< 5	< 0.2	< 0.5	24	774	< 1	4	< 2	51	3.11	< 2	< 10	35	< 0.5	< 2	5.59	47	18	7.8
2630	< 5	< 0.2	< 0.5	52	833	< 1	6	< 2	44	3.13	< 2	< 10	34	< 0.5	< 2	6.09	53	19	7.66
2631	< 5	< 0.2	< 0.5	55	841	< 1	5	< 2	53	3.39	< 2	< 10	< 10	< 0.5	< 2	6.09	60	3	9.12
2632	5	< 0.2	< 0.5	111	911	< 1	9	< 2	56	3.31	5	< 10	< 10	< 0.5	< 2	6.33	85	3	9.73
2633	6	< 0.2	< 0.5	62	839	< 1	7	< 2	51	3.08	< 2	< 10	< 10	< 0.5	< 2	5.51	69	3	8.22
2634	< 5	< 0.2	< 0.5	34	831	< 1	6	< 2	58	3.19	< 2	< 10	< 10	< 0.5	< 2	5.92	58	3	8.74
2635	< 5	< 0.2	< 0.5	66	867	< 1	8	< 2	58	3.22	5	< 10	< 10	< 0.5	< 2	6.42	70	4	9.77
2636	< 5	< 0.2	< 0.5	40	906	< 1	14	< 2	36	2.22	< 2	< 10	23	< 0.5	< 2	7.94	58	11	5.63
2637	< 5	< 0.2	< 0.5	55	794	< 1	12	< 2	62	3.28	< 2	< 10	< 10	< 0.5	< 2	5.44	57	5	8.7
2638	< 5	< 0.2	< 0.5	55	716	< 1	11	< 2	60	2.78	< 2	< 10	< 10	< 0.5	< 2	4.25	55	6	8.36

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2639	< 5	< 0.2	< 0.5	59	641	4	7	< 2	55	2.44	< 2	< 10	< 10	< 0.5	< 2	3.31	55	4	7.8
2640	< 5	< 0.2	< 0.5	63	562	< 1	12	< 2	54	2.61	< 2	< 10	11	< 0.5	< 2	2.59	51	8	6.9
2641	< 5	< 0.2	< 0.5	9	420	< 1	16	< 2	38	1.94	< 2	< 10	53	< 0.5	< 2	2.79	21	15	3.59
2642	< 5	< 0.2	< 0.5	1	450	< 1	18	< 2	36	1.97	< 2	< 10	47	< 0.5	< 2	3.09	20	20	3.82
2643	36	< 0.2	< 0.5	205	477	< 1	14	< 2	62	2.16	< 2	< 10	34	< 0.5	< 2	2.79	34	20	4.57
2644	< 5	< 0.2	< 0.5	11	921	< 1	4	< 2	74	3.19	< 2	< 10	< 10	< 0.5	< 2	5.5	48	13	8.37
2645	< 5	< 0.2	< 0.5	8	946	< 1	7	< 2	73	3.33	< 2	< 10	< 10	< 0.5	< 2	5.34	52	14	8.95
2646	< 5	< 0.2	< 0.5	40	1130	< 1	11	< 2	52	2.43	< 2	< 10	28	< 0.5	< 2	5	45	17	7.1
2647	< 5	< 0.2	< 0.5	26	489	4	84	< 2	33	2.74	< 2	< 10	11	< 0.5	< 2	2.75	27	119	3.5
2648	< 5	< 0.2	< 0.5	42	520	2	89	< 2	35	2.94	< 2	< 10	14	< 0.5	< 2	3.27	28	125	3.67
2649	< 5	< 0.2	< 0.5	25	650	< 1	104	< 2	41	2.98	4	< 10	< 10	< 0.5	< 2	4.08	30	153	4.2
2650	< 5	< 0.2	< 0.5	10	705	< 1	110	< 2	42	2.79	< 2	< 10	< 10	< 0.5	< 2	4.67	31	163	4.39
2651	< 5	< 0.2	< 0.5	16	686	< 1	111	< 2	43	2.76	< 2	< 10	< 10	< 0.5	< 2	4.57	30	180	4.37
2652	< 5	< 0.2	< 0.5	5	660	< 1	116	< 2	46	2.87	< 2	< 10	< 10	< 0.5	< 2	4.91	31	197	4.48
2653	< 5	< 0.2	< 0.5	6	646	< 1	99	< 2	41	2.66	< 2	< 10	< 10	< 0.5	< 2	4.51	30	155	4.43
2654	< 5	< 0.2	< 0.5	14	689	< 1	60	< 2	47	3.43	< 2	< 10	24	< 0.5	< 2	4.42	34	132	5.37
2655	121	< 0.2	< 0.5	206	727	< 1	38	< 2	52	3.75	< 2	< 10	25	< 0.5	< 2	4.29	40	157	6.21
2656	< 5	< 0.2	< 0.5	25	726	< 1	42	< 2	48	3.69	< 2	< 10	31	< 0.5	< 2	4.43	40	158	6.19
2657	< 5	< 0.2	< 0.5	40	717	< 1	53	< 2	52	3.72	< 2	< 10	< 10	< 0.5	< 2	4.33	42	152	6.42
2658	< 5	< 0.2	< 0.5	27	566	< 1	67	< 2	38	2.78	< 2	< 10	82	< 0.5	< 2	5.01	27	132	4.27
2659	< 5	< 0.2	< 0.5	33	622	< 1	112	< 2	44	3.07	< 2	< 10	19	< 0.5	< 2	4.34	33	182	4.69
2660	< 5	< 0.2	< 0.5	27	573	< 1	108	< 2	45	3.1	< 2	< 10	15	< 0.5	< 2	5.39	31	181	4.44
2661	10	< 0.2	< 0.5	34	520	< 1	99	< 2	40	2.85	< 2	< 10	< 10	< 0.5	< 2	4.31	29	151	4.09
2662	< 5	< 0.2	< 0.5	4	533	< 1	127	< 2	41	3.02	< 2	< 10	< 10	< 0.5	< 2	4.26	31	195	4.29
2663	< 5	< 0.2	< 0.5	7	596	< 1	52	< 2	39	3.42	< 2	< 10	33	< 0.5	< 2	4.49	26	158	4.64
2664	< 5	< 0.2	< 0.5	35	613	< 1	52	< 2	39	4.23	< 2	< 10	42	< 0.5	< 2	4.46	33	146	4.78
2665	< 5	< 0.2	0.6	4	619	< 1	55	8	55	3.5	< 2	< 10	34	< 0.5	< 2	4.23	26	144	4.67
2666	< 5	< 0.2	< 0.5	< 1	899	< 1	137	< 2	40	2.98	< 2	< 10	< 10	< 0.5	< 2	8.14	29	542	5.1
2667	< 5	< 0.2	< 0.5	< 1	875	< 1	150	< 2	50	3.89	2	< 10	< 10	< 0.5	< 2	6.68	36	538	6.4
2668	< 5	< 0.2	< 0.5	24	602	< 1	47	< 2	42	2.97	< 2	< 10	84	< 0.5	< 2	3.49	29	140	4.73
2669	< 5	< 0.2	< 0.5	25	517	< 1	37	< 2	34	3	< 2	< 10	79	< 0.5	< 2	3.27	25	127	4.2
2670	5	< 0.2	< 0.5	19	545	< 1	37	< 2	35	2.91	3	< 10	60	< 0.5	< 2	3.9	26	131	4.32
2671	< 5	< 0.2	< 0.5	26	767	< 1	28	< 2	52	3.39	< 2	< 10	11	< 0.5	< 2	3.09	40	116	5.36
2672	< 5	< 0.2	< 0.5	19	657	< 1	23	< 2	48	3.42	< 2	< 10	< 10	< 0.5	< 2	2.1	36	70	4.65
2673	< 5	< 0.2	< 0.5	17	643	< 1	24	< 2	48	3.25	< 2	< 10	< 10	< 0.5	< 2	2.24	33	92	4.52
2674	< 5	< 0.2	< 0.5	140	447	< 1	81	< 2	38	2.54	< 2	< 10	17	< 0.5	< 2	2.28	53	8	6.95
2675	< 5	< 0.2	< 0.5	79	417	< 1	93	< 2	34	2.8	< 2	< 10	20	< 0.5	< 2	2.31	57	8	7.8
2676	< 5	< 0.2	< 0.5	89	385	< 1	71	< 2	32	2.41	< 2	< 10	22	< 0.5	< 2	2.25	48	8	6.13
2677	5	< 0.2	< 0.5	96	388	< 1	81	< 2	35	2.64	< 2	< 10	23	< 0.5	< 2	2.32	52	8	6.94
2678	< 5	< 0.2	< 0.5	67	398	< 1	82	3	35	2.69	< 2	< 10	23	< 0.5	< 2	2.22	51	7	6.79
2679	< 5	< 0.2	< 0.5	82	443	< 1	98	< 2	44	2.89	2	< 10	17	< 0.5	< 2	2.09	63	7	8.08
2680	< 5	< 0.2	< 0.5	80	395	< 1	98	< 2	42	2.1	< 2	< 10	17	< 0.5	< 2	1.99	66	14	10.5
2681	< 5	< 0.2	< 0.5	77	470	< 1	88	< 2	49	2.5	4	< 10	22	< 0.5	< 2	2.91	56	7	7.87
2682	< 5	< 0.2	< 0.5	96	467	< 1	132	< 2	55	2.67	8	< 10	14	< 0.5	< 2	2.14	80	12	11.7
2683	< 5	< 0.2	< 0.5	93	492	< 1	143	< 2	57	2.59	< 2	< 10	11	< 0.5	< 2	2.35	69	14	14.9
2684	< 5	< 0.2	< 0.5	91	590	< 1	140	< 2	70	3.01	< 2	< 10	< 10	< 0.5	< 2	2.87	97	14	15.1
2685	< 5	0.2	< 0.5	122	539	< 1	154	< 2	71	3.07	< 2	< 10	< 10	< 0.5	< 2	2.55	86	15	17.6
2686	< 5	< 0.2	< 0.5	93	432	< 1	97	< 2	45	2.33	< 2	< 10	33	< 0.5	< 2	1.96	59	9	7.45

Final Report
Activation Laboratories

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Detection Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Analysis Method	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2687	< 5	< 0.2	< 0.5	102	434	< 1	99	< 2	47	2.14	< 2	< 10	20	< 0.5	< 2	1.78	61	7	8.09
2688	40	< 0.2	< 0.5	85	478	< 1	100	< 2	49	2.44	< 2	< 10	26	< 0.5	< 2	1.96	59	8	7.57
2689	< 5	< 0.2	< 0.5	115	851	< 1	125	< 2	65	3.26	< 2	< 10	< 10	< 0.5	< 2	5.79	60	8	9.46
2690	< 5	< 0.2	< 0.5	127	767	< 1	86	< 2	60	2.99	< 2	< 10	11	< 0.5	< 2	4.71	52	10	8.08
2691	< 5	< 0.2	< 0.5	79	736	< 1	98	< 2	54	2.8	< 2	< 10	17	< 0.5	< 2	4.55	51	30	8.48
2692	< 5	< 0.2	< 0.5	128	735	< 1	153	< 2	58	2.96	< 2	< 10	13	< 0.5	< 2	4.58	70	27	10.5
2693	< 5	< 0.2	< 0.5	57	817	< 1	80	< 2	46	2.44	< 2	< 10	50	< 0.5	< 2	4.4	38	34	5.95
2694	5	< 0.2	< 0.5	30	633	< 1	62	< 2	48	2.57	< 2	< 10	69	< 0.5	< 2	3.73	36	38	5.67
2695	5	< 0.2	< 0.5	146	948	< 1	119	< 2	63	3.53	2	< 10	< 10	< 0.5	< 2	6.05	58	24	9.96
2696	< 5	< 0.2	< 0.5	167	874	< 1	124	< 2	64	3.4	< 2	< 10	< 10	< 0.5	< 2	5.62	66	27	10.7
2697	40	< 0.2	< 0.5	103	796	< 1	118	< 2	62	3.4	< 2	< 10	< 10	< 0.5	< 2	5.26	80	29	10.6
2698	< 5	< 0.2	< 0.5	241	833	< 1	118	< 2	63	3.52	< 2	< 10	17	< 0.5	< 2	5.86	57	29	9.79
2699	< 5	< 0.2	< 0.5	171	974	< 1	120	< 2	60	3.19	< 2	< 10	< 10	< 0.5	< 2	5.38	62	30	10.3
2700	10	< 0.2	< 0.5	131	810	< 1	88	< 2	52	2.76	< 2	< 10	40	< 0.5	< 2	4.53	44	37	7.38

Report: A11-0391
Report Date: 2/1

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2292	< 10	< 1	0.06	13	0.57	0.259	0.029	0.03	< 2	3	25	0.15	1	< 2	< 10	31	< 10	7	38
2293	10	1	0.12	13	1.54	0.201	0.03	0.03	< 2	5	36	0.2	1	< 2	< 10	72	< 10	7	13
2294	10	< 1	0.07	16	1.9	0.162	0.084	0.07	< 2	6	72	0.25	5	< 2	< 10	86	< 10	8	16
2295	< 10	< 1	0.07	15	0.64	0.291	0.03	0.02	< 2	3	30	0.16	1	< 2	< 10	28	< 10	7	41
2296	< 10	< 1	0.11	18	0.67	0.257	0.03	0.06	< 2	3	32	0.15	< 1	< 2	< 10	26	< 10	8	39
2297	< 10	< 1	0.1	17	0.58	0.251	0.03	0.02	< 2	3	30	0.16	< 1	< 2	< 10	25	< 10	8	41
2298	< 10	< 1	0.1	15	0.69	0.303	0.03	< 0.01	< 2	3	33	0.16	2	< 2	< 10	27	< 10	8	37
2299	< 10	< 1	0.07	20	1.24	0.199	0.111	0.05	< 2	6	93	0.23	< 1	< 2	< 10	61	< 10	10	10
2300	< 10	< 1	0.13	26	1.63	0.196	0.17	0.05	< 2	8	125	0.24	< 1	< 2	< 10	75	< 10	12	6
2301	< 10	< 1	0.07	< 10	2.63	0.087	0.007	0.08	< 2	5	36	0.13	3	< 2	< 10	83	< 10	2	2
2302	< 10	< 1	0.06	< 10	2.07	0.166	0.019	0.09	< 2	6	37	0.26	2	< 2	< 10	80	< 10	3	3
2303	< 10	< 1	0.05	< 10	2.24	0.191	0.024	0.11	< 2	6	31	0.3	5	< 2	< 10	75	< 10	4	3
2304	< 10	< 1	0.05	< 10	2.57	0.123	0.012	0.18	< 2	6	20	0.21	2	< 2	< 10	92	< 10	3	2
2305	< 10	2	0.02	< 10	2.69	0.044	0.006	0.63	< 2	4	10	0.14	< 1	< 2	< 10	77	< 10	2	2
2306	< 10	< 1	0.07	< 10	2.04	0.181	0.022	0.1	< 2	6	28	0.31	2	< 2	< 10	78	< 10	4	3
2307	< 10	< 1	0.07	< 10	2.27	0.174	0.018	0.15	< 2	5	23	0.23	< 1	< 2	< 10	83	< 10	3	2
2308	< 10	< 1	0.04	< 10	2.83	0.061	0.007	0.32	< 2	5	28	0.36	3	< 2	< 10	261	< 10	2	3
2309	< 10	< 1	0.05	< 10	2.49	0.082	0.009	0.15	< 2	7	32	0.23	< 1	< 2	< 10	146	< 10	4	3
2310	< 10	< 1	0.09	13	1.98	0.144	0.129	0.2	< 2	6	73	0.38	4	< 2	< 10	123	< 10	16	12
2311	< 10	< 1	0.06	< 10	2.47	0.083	0.042	0.06	< 2	5	41	0.17	< 1	< 2	< 10	96	< 10	4	12
2312	< 10	1	0.07	< 10	3.31	0.104	0.011	0.05	2	5	24	0.15	4	< 2	< 10	91	< 10	2	3
2313	< 10	< 1	0.08	< 10	2.61	0.108	0.007	0.05	< 2	4	22	0.17	1	< 2	< 10	108	< 10	2	2
2314	< 10	< 1	0.06	< 10	3.08	0.113	0.006	0.14	< 2	4	19	0.11	< 1	< 2	< 10	77	< 10	2	2
2315	< 10	< 1	0.07	< 10	2.2	0.147	0.005	0.08	< 2	3	23	0.11	2	< 2	< 10	70	< 10	2	2
2316	< 10	< 1	0.08	< 10	2.49	0.094	0.007	0.08	< 2	4	18	0.13	2	< 2	< 10	74	< 10	2	2
2317	< 10	< 1	0.09	< 10	2.13	0.102	0.008	0.1	< 2	5	24	0.17	< 1	< 2	< 10	104	< 10	4	2
2318	< 10	< 1	0.1	< 10	2.2	0.166	0.008	0.08	< 2	7	30	0.2	4	< 2	< 10	119	< 10	5	3
2319	< 10	< 1	0.07	< 10	2.17	0.104	0.011	0.1	< 2	5	27	0.17	8	< 2	< 10	104	< 10	3	3
2320	< 10	< 1	0.05	< 10	2.42	0.091	0.008	0.21	< 2	6	22	0.21	< 1	< 2	< 10	143	< 10	3	2
2321	< 10	< 1	0.06	< 10	2.97	0.084	0.007	0.09	< 2	3	15	0.12	< 1	< 2	< 10	73	< 10	2	2
2322	< 10	< 1	0.06	< 10	2.87	0.073	0.007	0.13	< 2	5	17	0.15	< 1	< 2	< 10	92	< 10	3	2
2323	< 10	1	0.09	< 10	1.95	0.105	0.025	0.09	< 2	5	25	0.2	4	< 2	< 10	113	< 10	5	4
2324	< 10	< 1	0.08	< 10	2.25	0.083	0.01	0.05	< 2	5	25	0.2	3	< 2	< 10	101	< 10	4	2
2325	< 10	< 1	0.08	< 10	2.27	0.094	0.008	0.08	< 2	6	24	0.16	< 1	< 2	< 10	85	< 10	3	2
2326	< 10	< 1	0.07	< 10	2.06	0.108	0.008	0.04	< 2	5	25	0.13	< 1	< 2	< 10	74	< 10	3	2
2327	< 10	< 1	0.04	11	1.92	0.124	0.011	0.11	< 2	6	19	0.16	1	< 2	< 10	78	< 10	5	5
2328	< 10	< 1	0.04	< 10	2.66	0.106	0.007	0.09	< 2	6	17	0.16	2	< 2	< 10	91	< 10	3	2
2329	< 10	< 1	0.04	< 10	1.84	0.083	0.006	0.08	< 2	5	27	0.17	< 1	< 2	< 10	97	< 10	2	2
2330	< 10	< 1	0.04	< 10	2.11	0.088	0.008	0.07	< 2	6	30	0.19	< 1	< 2	< 10	117	< 10	4	2
2331	< 10	< 1	0.02	< 10	3.41	0.042	0.019	0.05	< 2	10	16	0.19	2	< 2	< 10	158	< 10	7	3
2332	< 10	< 1	0.04	< 10	2.39	0.068	0.008	0.1	< 2	5	20	0.2	4	< 2	< 10	124	< 10	3	2
2333	< 10	< 1	0.05	< 10	2.58	0.067	0.006	0.06	< 2	5	21	0.17	3	< 2	< 10	113	< 10	2	2
2334	< 10	< 1	0.18	< 10	1.82	0.119	0.017	0.16	< 2	8	21	0.34	2	< 2	< 10	221	< 10	11	9
2335	< 10	< 1	0.06	< 10	2.85	0.07	0.009	0.04	< 2	5	16	0.18	< 1	< 2	< 10	112	< 10	3	2
2336	< 10	< 1	0.03	< 10	2.96	0.067	0.005	0.07	< 2	5	19	0.15	2	< 2	< 10	91	< 10	2	2
2337	< 10	< 1	0.14	< 10	2.73	0.058	0.006	0.05	< 2	5	22	0.17	3	< 2	< 10	105	< 10	2	2
2338	< 10	< 1	0.35	< 10	2.4	0.06	0.009	0.06	< 2	4	25	0.18	2	< 2	< 10	129	< 10	3	2
2339	< 10	< 1	0.41	< 10	2.5	0.076	0.013	0.08	< 2	5	31	0.25	< 1	< 2	< 10	159	< 10	4	3

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2340	< 10	< 1	0.97	11	1.89	0.173	0.172	0.26	< 2	8	160	0.35	1	< 2	< 10	107	< 10	11	12
2341	< 10	< 1	1.18	< 10	1.9	0.093	0.149	0.07	< 2	5	80	0.25	5	< 2	< 10	88	< 10	6	14
2342	< 10	< 1	0.74	< 10	2.02	0.117	0.117	0.1	< 2	6	101	0.27	5	< 2	< 10	90	< 10	7	18
2343	< 10	< 1	0.27	< 10	2.48	0.061	0.037	0.11	< 2	5	34	0.21	2	< 2	< 10	106	< 10	4	7
2344	< 10	< 1	0.1	< 10	2.19	0.053	0.007	0.08	< 2	5	21	0.15	< 1	< 2	< 10	87	< 10	3	2
2345	< 10	< 1	0.11	< 10	1.97	0.129	0.015	0.08	< 2	7	27	0.2	3	< 2	< 10	86	< 10	12	7
2346	< 10	< 1	0.05	< 10	2.28	0.073	0.007	0.06	< 2	4	19	0.14	< 1	< 2	< 10	79	< 10	2	2
2347	< 10	< 1	0.05	< 10	2.35	0.07	0.008	0.03	< 2	4	17	0.13	< 1	< 2	< 10	86	< 10	2	2
2348	< 10	< 1	0.04	< 10	2.34	0.081	0.009	0.03	< 2	5	24	0.17	4	< 2	< 10	95	< 10	3	2
2349	< 10	< 1	0.03	< 10	2.43	0.066	0.011	0.11	< 2	5	19	0.22	1	< 2	< 10	133	< 10	4	3
2350	< 10	1	0.1	< 10	1.48	0.405	0.034	0.12	< 2	14	25	0.26	2	< 2	< 10	123	< 10	8	9
2351	< 10	< 1	0.1	< 10	1.46	0.479	0.035	0.13	< 2	15	30	0.26	2	< 2	< 10	139	< 10	9	8
2352	< 10	< 1	0.07	< 10	1.4	0.421	0.033	0.13	< 2	13	29	0.25	1	< 2	< 10	132	< 10	9	7
2353	< 10	< 1	0.04	< 10	1.56	0.175	0.029	0.12	< 2	10	21	0.33	< 1	< 2	< 10	127	< 10	7	6
2354	< 10	< 1	0.06	< 10	1.56	0.238	0.031	0.13	< 2	10	21	0.31	5	< 2	< 10	140	< 10	8	7
2355	10	< 1	< 0.01	< 10	3.01	0.033	0.025	0.09	< 2	28	29	0.11	< 1	< 2	< 10	201	< 10	10	3
2356-A	10	< 1	0.08	< 10	3.41	0.046	0.081	0.62	< 2	24	43	0.09	1	< 2	< 10	203	< 10	13	12
2356-B	20	< 1	< 0.01	< 10	3.4	0.041	0.042	0.19	< 2	33	37	0.09	2	< 2	< 10	255	< 10	11	5
2561	10	< 1	0.26	< 10	3.02	0.05	0.029	0.1	< 2	24	68	0.21	< 1	< 2	< 10	211	< 10	10	4
2562	10	< 1	0.04	< 10	3.33	0.027	0.03	0.12	< 2	30	80	0.11	< 1	< 2	< 10	252	< 10	12	4
2563	20	1	0.07	< 10	3.21	0.062	0.04	0.29	< 2	31	48	0.14	2	< 2	< 10	274	< 10	18	6
2564	20	< 1	0.12	< 10	2.94	0.076	0.044	0.14	< 2	22	51	0.14	< 1	< 2	< 10	212	< 10	10	9
2565	10	1	0.63	< 10	2.97	0.045	0.044	0.27	< 2	20	52	0.29	1	< 2	< 10	282	< 10	10	5
2566	< 10	< 1	0.17	< 10	2.33	0.071	0.04	0.16	< 2	11	46	0.33	2	< 2	< 10	173	< 10	8	5
2567	< 10	< 1	0.15	< 10	1.96	0.111	0.042	0.23	< 2	12	47	0.38	3	< 2	< 10	178	< 10	9	6
2568	< 10	< 1	0.16	< 10	1.74	0.15	0.141	0.09	< 2	6	95	0.26	1	< 2	< 10	74	< 10	9	11
2569	< 10	< 1	0.5	13	1.49	0.192	0.189	0.69	< 2	7	146	0.3	4	< 2	< 10	92	< 10	11	14
2570	10	< 1	0.3	< 10	1.62	0.175	0.056	0.37	< 2	15	35	0.31	7	< 2	< 10	155	< 10	13	8
2571	< 10	< 1	0.12	< 10	1.75	0.141	0.043	0.17	< 2	13	21	0.3	3	< 2	< 10	162	< 10	10	7
2572	< 10	< 1	0.06	< 10	1.68	0.126	0.039	0.19	< 2	12	31	0.36	2	< 2	< 10	151	< 10	10	6
2573	< 10	< 1	0.06	< 10	1.82	0.12	0.038	0.15	< 2	11	16	0.3	< 1	< 2	< 10	158	< 10	8	5
2574	< 10	< 1	0.05	< 10	1.76	0.154	0.049	0.09	< 2	13	20	0.27	1	< 2	< 10	116	< 10	12	7
2575	< 10	< 1	0.03	< 10	2	0.132	0.029	0.09	< 2	9	18	0.25	< 1	< 2	< 10	121	< 10	6	5
2576	< 10	< 1	0.02	< 10	2.04	0.11	0.028	0.07	< 2	9	17	0.25	2	< 2	< 10	115	< 10	6	4
2577	< 10	< 1	0.03	< 10	2.07	0.16	0.032	0.07	< 2	9	21	0.29	< 1	< 2	< 10	126	< 10	7	5
2578	< 10	< 1	0.04	< 10	1.99	0.144	0.025	0.07	< 2	8	23	0.25	2	< 2	< 10	104	< 10	6	6
2579	< 10	< 1	0.04	< 10	1.65	0.147	0.025	0.05	< 2	7	28	0.26	3	< 2	< 10	100	< 10	7	8
2580	< 10	< 1	0.08	< 10	2.1	0.133	0.03	0.09	< 2	9	25	0.31	2	< 2	< 10	135	< 10	8	7
2581	< 10	< 1	0.17	< 10	2.02	0.126	0.03	0.09	< 2	8	29	0.3	3	< 2	< 10	135	< 10	7	7
2582	< 10	< 1	0.16	19	2.63	0.125	0.099	0.07	< 2	7	48	0.25	< 1	< 2	< 10	95	< 10	10	17
2583	< 10	< 1	0.22	< 10	2.16	0.12	0.051	0.12	< 2	9	47	0.29	< 1	< 2	< 10	126	< 10	9	12
2584	10	< 1	0.83	< 10	3.4	0.048	0.026	0.09	< 2	32	100	0.21	< 1	< 2	< 10	241	< 10	11	3
2585	10	< 1	0.32	< 10	3.64	0.045	0.026	0.1	< 2	32	116	0.15	< 1	< 2	< 10	218	< 10	8	3
2586	10	< 1	0.62	< 10	3.66	0.057	0.074	0.09	< 2	26	134	0.14	2	< 2	< 10	199	< 10	10	16
2587	10	< 1	0.18	11	6.97	0.013	0.097	0.03	< 2	16	143	0.04	< 1	< 2	< 10	114	< 10	7	9
2588	10	< 1	0.69	11	4.14	0.058	0.106	0.26	< 2	20	163	0.13	2	< 2	< 10	182	< 10	11	13
2589	10	< 1	1.28	11	2.99	0.07	0.113	0.27	< 2	23	139	0.2	< 1	< 2	< 10	238	< 10	12	21
2590	10	< 1	1.52	11	4.74	0.038	0.097	0.15	< 2	19	127	0.24	2	< 2	< 10	160	< 10	11	22

Report: A11-0391
Report Date: 2/1

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2591	10	< 1	1.7	< 10	4.74	0.037	0.089	0.1	2	17	138	0.23	1	< 2	< 10	155	< 10	10	19
2592	< 10	< 1	0.11	< 10	1.88	0.197	0.034	0.17	< 2	11	30	0.28	5	< 2	< 10	141	< 10	9	7
2593	< 10	< 1	0.03	< 10	2.06	0.088	0.055	0.12	< 2	10	56	0.34	7	< 2	< 10	143	< 10	9	10
2594	< 10	2	0.06	< 10	1.79	0.145	0.03	0.12	< 2	10	25	0.28	3	< 2	< 10	129	< 10	8	6
2595	< 10	< 1	0.08	< 10	1.81	0.183	0.031	0.14	< 2	11	26	0.29	5	< 2	< 10	141	< 10	8	8
2596	< 10	< 1	0.06	< 10	1.97	0.148	0.021	0.16	< 2	10	19	0.41	2	< 2	< 10	230	< 10	6	7
2597	< 10	< 1	0.07	< 10	1.76	0.139	0.002	0.21	< 2	9	25	0.54	3	< 2	< 10	333	< 10	1	2
2598	< 10	< 1	0.06	< 10	1.74	0.137	< 0.001	0.15	< 2	10	41	0.67	6	< 2	< 10	349	< 10	2	2
2599	< 10	< 1	0.09	< 10	2.19	0.206	0.002	0.08	< 2	13	17	0.64	< 1	< 2	< 10	331	< 10	2	2
2600	< 10	< 1	0.03	< 10	2.15	0.093	0.019	0.32	< 2	8	15	0.36	3	< 2	< 10	160	< 10	5	4
2601	< 10	< 1	0.03	< 10	2.21	0.146	0.026	0.04	< 2	11	26	0.33	2	< 2	< 10	133	< 10	7	6
2602	< 10	< 1	0.03	< 10	1.8	0.21	0.029	0.03	< 2	10	31	0.3	2	< 2	< 10	107	< 10	6	6
2603	< 10	< 1	0.04	< 10	1.84	0.142	0.031	0.05	< 2	8	21	0.26	1	< 2	< 10	105	< 10	6	5
2604	< 10	< 1	0.07	< 10	1.82	0.149	0.027	0.09	< 2	8	21	0.24	2	< 2	< 10	110	< 10	7	6
2605	10	< 1	< 0.01	< 10	3.11	0.045	0.026	0.11	< 2	19	17	0.22	1	< 2	< 10	191	< 10	8	3
2606	10	< 1	0.04	< 10	1.07	0.464	0.001	0.21	< 2	9	48	0.41	< 1	< 2	< 10	621	< 10	2	2
2607	10	1	0.04	< 10	1.29	0.445	0.002	0.2	< 2	9	43	0.42	3	< 2	< 10	576	< 10	2	2
2608	10	< 1	0.04	< 10	1.33	0.494	0.001	0.17	< 2	10	50	0.48	4	< 2	< 10	648	< 10	2	2
2609	10	1	0.05	< 10	1.37	0.428	0.001	0.18	< 2	10	43	0.51	3	< 2	< 10	637	< 10	2	2
2610	10	< 1	0.04	< 10	1.15	0.378	< 0.001	0.2	< 2	8	40	0.4	3	< 2	< 10	610	< 10	2	2
2611	10	< 1	0.05	< 10	1.41	0.435	0.001	0.44	< 2	7	46	0.34	3	< 2	< 10	605	< 10	2	2
2612	10	< 1	0.05	< 10	1.15	0.411	< 0.001	0.23	< 2	8	45	0.44	< 1	< 2	< 10	617	< 10	2	2
2613	< 10	< 1	0.03	< 10	1.08	0.578	0.001	0.19	< 2	8	60	0.41	4	< 2	< 10	454	< 10	2	2
2614	< 10	< 1	0.04	< 10	1.25	0.556	0.001	0.21	< 2	9	57	0.43	8	< 2	< 10	435	< 10	2	2
2615	< 10	< 1	0.04	< 10	1.05	0.546	0.002	0.16	< 2	8	61	0.4	< 1	< 2	< 10	400	< 10	2	3
2616	< 10	1	0.04	< 10	1.18	0.559	< 0.001	0.19	< 2	9	61	0.42	< 1	< 2	< 10	453	< 10	2	2
2617	10	< 1	0.09	< 10	1.37	0.661	0.001	0.18	< 2	10	60	0.45	< 1	< 2	< 10	433	< 10	2	2
2618	< 10	< 1	0.04	< 10	1.3	0.429	0.001	0.23	< 2	9	56	0.48	4	< 2	< 10	406	< 10	1	2
2619	10	< 1	0.05	< 10	1.45	0.536	0.001	0.4	< 2	10	61	0.46	2	< 2	< 10	480	< 10	2	2
2620	10	< 1	0.04	< 10	1.22	0.639	< 0.001	0.23	< 2	8	68	0.44	5	< 2	< 10	568	< 10	2	2
2621	10	< 1	0.05	< 10	1.41	0.597	0.001	0.23	< 2	9	70	0.43	2	< 2	< 10	528	< 10	2	2
2622	10	< 1	0.06	< 10	1.39	0.662	0.001	0.26	< 2	9	76	0.39	< 1	< 2	< 10	514	< 10	2	2
2623	20	< 1	< 0.01	< 10	3.24	0.053	0.002	0.2	< 2	28	47	0.25	1	< 2	< 10	603	< 10	3	2
2624	10	< 1	< 0.01	< 10	2.06	0.056	< 0.001	0.26	< 2	17	28	0.24	< 1	< 2	< 10	429	< 10	2	2
2625	20	1	0.01	< 10	3.2	0.046	0.001	0.22	< 2	24	39	0.22	< 1	< 2	< 10	494	< 10	2	2
2626	20	< 1	< 0.01	< 10	3.35	0.038	0.001	0.13	< 2	26	47	0.23	< 1	< 2	< 10	476	< 10	3	2
2627	20	< 1	< 0.01	< 10	3.15	0.031	0.001	0.22	< 2	27	50	0.21	2	< 2	< 10	532	< 10	3	2
2628	20	< 1	0.03	< 10	3.35	0.096	0.001	0.16	< 2	28	48	0.19	< 1	< 2	< 10	519	< 10	3	2
2629	20	< 1	0.07	< 10	2.79	0.058	0.002	0.14	< 2	18	43	0.21	< 1	< 2	< 10	446	< 10	2	2
2630	10	< 1	0.07	< 10	2.96	0.052	0.001	0.31	< 2	21	45	0.14	< 1	< 2	< 10	399	< 10	3	2
2631	20	< 1	< 0.01	< 10	3.29	0.031	0.001	0.31	2	30	46	0.16	< 1	< 2	< 10	619	< 10	3	2
2632	20	< 1	< 0.01	< 10	3.12	0.025	0.001	0.64	< 2	27	50	0.18	< 1	< 2	< 10	683	< 10	3	2
2633	10	< 1	< 0.01	< 10	2.98	0.038	0.002	0.6	< 2	24	41	0.17	< 1	< 2	< 10	526	< 10	3	2
2634	10	< 1	< 0.01	< 10	3.05	0.037	0.001	0.4	< 2	27	42	0.2	< 1	< 2	< 10	572	< 10	2	2
2635	10	3	< 0.01	< 10	3.09	0.026	0.001	0.41	< 2	28	40	0.2	2	< 2	< 10	694	< 10	2	2
2636	< 10	< 1	0.04	< 10	1.9	0.076	< 0.001	0.56	< 2	14	56	0.21	2	< 2	< 10	354	< 10	2	2
2637	10	< 1	0.01	< 10	3.28	0.077	< 0.001	0.24	< 2	22	41	0.22	< 1	< 2	< 10	524	< 10	2	2
2638	10	< 1	< 0.01	< 10	3.16	0.039	0.002	0.2	< 2	19	34	0.38	2	< 2	< 10	511	< 10	3	2

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2639	< 10	1	< 0.01	< 10	2.76	0.067	0.001	0.19	< 2	9	31	0.43	3	< 2	< 10	443	< 10	2	3
2640	< 10	< 1	0.02	< 10	2.56	0.123	0.002	0.17	< 2	4	35	0.42	3	< 2	< 10	330	< 10	1	2
2641	< 10	< 1	0.09	< 10	1.53	0.159	0.028	0.02	< 2	7	46	0.09	2	< 2	< 10	76	< 10	4	2
2642	10	< 1	0.08	< 10	1.62	0.116	0.029	0.02	< 2	8	48	0.1	< 1	< 2	< 10	78	< 10	5	2
2643	10	< 1	0.06	< 10	1.77	0.14	0.031	0.2	< 2	11	50	0.15	2	< 2	< 10	126	< 10	4	2
2644	10	< 1	< 0.01	< 10	3.58	0.027	0.001	0.04	< 2	30	58	0.28	< 1	< 2	< 10	438	< 10	3	2
2645	10	< 1	0.02	< 10	4.25	0.042	0.003	0.05	< 2	27	58	0.28	3	< 2	< 10	442	< 10	3	2
2646	10	< 1	0.05	< 10	3.43	0.076	0.014	0.15	< 2	23	59	0.22	1	< 2	< 10	310	< 10	4	2
2647	< 10	< 1	0.03	< 10	2.4	0.269	0.022	0.02	< 2	6	51	0.18	< 1	3	< 10	77	< 10	3	8
2648	< 10	< 1	0.02	< 10	2.59	0.266	0.022	0.03	< 2	6	52	0.18	5	4	< 10	87	< 10	3	9
2649	< 10	< 1	< 0.01	< 10	3.17	0.162	0.02	0.03	< 2	7	42	0.17	< 1	< 2	< 10	110	< 10	4	7
2650	< 10	< 1	< 0.01	< 10	3.38	0.098	0.019	0.03	< 2	10	30	0.15	< 1	< 2	< 10	125	< 10	6	6
2651	< 10	< 1	0.01	< 10	3.35	0.098	0.018	0.03	< 2	11	29	0.15	< 1	< 2	< 10	119	< 10	5	6
2652	< 10	< 1	0.02	< 10	3.43	0.107	0.017	0.03	< 2	12	26	0.15	< 1	< 2	< 10	118	< 10	5	6
2653	< 10	< 1	0.01	< 10	3.14	0.078	0.021	0.03	< 2	13	26	0.15	< 1	< 2	< 10	130	< 10	5	5
2654	10	< 1	0.05	< 10	3.42	0.153	0.011	0.03	< 2	16	33	0.16	< 1	< 2	< 10	138	< 10	3	3
2655	10	< 1	0.06	< 10	3.75	0.106	0.003	0.07	< 2	18	23	0.15	3	< 2	< 10	143	< 10	2	2
2656	10	< 1	0.07	< 10	3.64	0.141	0.003	0.09	< 2	16	28	0.14	< 1	< 2	< 10	141	< 10	2	1
2657	10	< 1	0.01	< 10	4.43	0.051	0.003	0.06	< 2	18	12	0.14	< 1	< 2	< 10	145	< 10	2	2
2658	< 10	< 1	0.12	< 10	3.25	0.055	0.01	0.03	< 2	13	12	0.1	< 1	< 2	< 10	99	< 10	4	3
2659	< 10	< 1	0.04	< 10	3.73	0.057	0.018	0.03	< 2	18	21	0.14	< 1	< 2	< 10	134	< 10	5	5
2660	< 10	< 1	0.03	< 10	3.63	0.039	0.016	0.04	< 2	15	24	0.13	< 1	< 2	< 10	129	< 10	5	4
2661	< 10	< 1	0.02	< 10	3.31	0.051	0.019	0.03	< 2	14	29	0.14	< 1	< 2	< 10	122	< 10	5	4
2662	< 10	< 1	< 0.01	< 10	3.56	0.055	0.015	0.02	< 2	12	47	0.14	< 1	< 2	< 10	110	< 10	4	3
2663	10	< 1	0.07	< 10	2.86	0.237	0.003	0.05	< 2	13	51	0.23	4	< 2	< 10	138	< 10	3	2
2664	10	< 1	0.09	< 10	2.9	0.452	0.002	0.11	< 2	9	59	0.19	1	< 2	< 10	129	< 10	1	1
2665	10	< 1	0.08	< 10	3.22	0.236	0.003	0.03	< 2	13	35	0.14	< 1	< 2	< 10	123	< 10	2	1
2666	10	< 1	< 0.01	15	3.88	0.021	0.112	0.05	< 2	13	13	0.07	< 1	< 2	< 10	97	< 10	4	10
2667	10	< 1	< 0.01	29	5.37	0.017	0.174	0.04	< 2	17	13	0.08	< 1	< 2	< 10	130	< 10	6	8
2668	10	< 1	0.14	< 10	3.29	0.053	0.023	0.02	< 2	8	12	0.06	< 1	< 2	< 10	76	< 10	4	4
2669	10	1	0.14	< 10	2.35	0.199	0.004	0.02	< 2	7	29	0.05	2	< 2	< 10	72	< 10	2	1
2670	10	< 1	0.12	< 10	2.47	0.184	0.004	0.03	< 2	8	24	0.07	6	< 2	< 10	83	< 10	2	1
2671	< 10	< 1	0.01	< 10	3.6	0.153	0.004	0.09	< 2	5	33	0.2	< 1	< 2	< 10	80	< 10	2	2
2672	< 10	< 1	< 0.01	< 10	3.12	0.237	0.002	0.04	< 2	3	42	0.18	< 1	< 2	< 10	48	< 10	1	1
2673	< 10	< 1	0.01	< 10	2.93	0.183	0.002	0.04	< 2	3	41	0.24	< 1	< 2	< 10	65	< 10	1	2
2674	10	< 1	0.04	< 10	1.74	0.332	0.004	0.24	< 2	8	45	0.35	6	< 2	< 10	593	< 10	2	3
2675	10	< 1	0.05	< 10	1.48	0.413	0.004	0.29	3	7	51	0.33	< 1	< 2	< 10	737	< 10	2	3
2676	< 10	< 1	0.04	< 10	1.34	0.381	0.007	0.21	< 2	7	42	0.34	3	2	< 10	569	< 10	3	4
2677	10	< 1	0.05	< 10	1.49	0.388	0.007	0.24	< 2	7	44	0.35	4	< 2	< 10	650	< 10	3	4
2678	10	< 1	0.04	< 10	1.49	0.4	0.006	0.25	< 2	7	49	0.34	< 1	< 2	< 10	633	< 10	3	3
2679	10	< 1	0.03	< 10	1.87	0.36	0.005	0.3	< 2	7	40	0.32	2	< 2	< 10	691	< 10	2	3
2680	10	3	0.03	< 10	1.8	0.188	0.004	0.22	2	5	24	0.51	5	< 2	< 10	1090	< 10	3	6
2681	10	< 1	0.03	< 10	2.13	0.187	0.006	0.2	< 2	6	28	0.38	2	< 2	< 10	635	< 10	3	3
2682	10	2	0.02	< 10	2.4	0.159	0.003	0.32	< 2	5	30	0.39	4	< 2	< 10	1030	< 10	1	3
2683	20	4	0.02	< 10	2.49	0.105	0.002	0.19	3	4	17	0.44	1	< 2	< 10	1430	< 10	< 1	4
2684	20	4	< 0.01	< 10	3.26	0.036	0.004	0.33	< 2	4	11	0.54	9	< 2	< 10	1320	< 10	1	4
2685	20	4	< 0.01	< 10	3.25	0.028	0.002	0.31	3	4	8	0.46	6	3	< 10	1650	< 10	1	4
2686	< 10	< 1	0.06	< 10	1.78	0.212	0.005	0.29	< 2	7	30	0.44	3	< 2	< 10	640	< 10	2	3

Final Report
Activation Laboratories

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2687	< 10	< 1	0.04	< 10	1.84	0.119	0.005	0.29	< 2	6	23	0.45	2	< 2	< 10	668	< 10	2	3
2688	< 10	< 1	0.06	< 10	1.97	0.202	0.006	0.29	< 2	8	28	0.43	4	< 2	< 10	599	< 10	2	3
2689	10	2	< 0.01	< 10	3.83	0.018	0.003	0.22	< 2	31	38	0.12	< 1	< 2	< 10	715	< 10	4	2
2690	10	1	< 0.01	< 10	3.41	0.026	0.007	0.22	< 2	28	35	0.11	< 1	< 2	< 10	568	< 10	5	3
2691	10	< 1	0.02	< 10	2.88	0.039	0.015	0.17	< 2	19	38	0.14	< 1	< 2	< 10	665	< 10	5	3
2692	20	< 1	0.02	< 10	3.22	0.035	0.007	0.3	< 2	22	43	0.14	< 1	2	< 10	888	< 10	4	3
2693	10	< 1	0.08	< 10	2.9	0.046	0.02	0.13	< 2	18	41	0.09	< 1	< 2	< 10	265	< 10	6	4
2694	10	< 1	0.12	14	2.49	0.058	0.017	0.12	< 2	15	37	0.1	< 1	< 2	< 10	259	< 10	8	5
2695	20	2	< 0.01	< 10	3.91	0.017	0.003	0.29	< 2	30	55	0.11	4	< 2	< 10	734	< 10	4	3
2696	20	2	< 0.01	< 10	3.76	0.021	0.004	0.26	3	28	53	0.14	< 1	< 2	< 10	844	< 10	4	2
2697	20	3	0.01	< 10	3.66	0.016	0.003	0.89	< 2	27	49	0.09	< 1	< 2	< 10	800	< 10	3	3
2698	20	4	0.04	< 10	3.53	0.016	0.003	0.14	< 2	24	64	0.11	7	< 2	< 10	709	< 10	4	2
2699	20	2	0.01	< 10	3.89	0.021	0.003	0.22	2	27	54	0.13	< 1	< 2	< 10	768	< 10	3	2
2700	10	< 1	0.13	< 10	3.04	0.041	0.016	0.21	< 2	16	53	0.13	< 1	< 2	< 10	385	< 10	4	4

Swastika Laboratories ACTLABS INITIAL ASSAY DATA

AuAssay2001

11 593

28/02/2011

Sample #	Au ppb FA-AAS	Au Chk ppb FA-AAS	Au ppb FA-GRAV	Au Chk ppb FA-GRAV	Sample Number	Au FA-AAS
2125	25	-	-	-	2125	<5 ppb
2126	9	-	-	-	2126	<5 ppb
2127	< 2	-	-	-	2127	<5 ppb
2128	7	-	-	-	2128	<5 ppb
2129	14	-	-	-	2129	<5 ppb
2130	13	-	-	-	2130	<5 ppb
2131	10	-	-	-	2131	<5 ppb
2132	16	-	-	-	2132	<5 ppb
2133	4	-	-	-	2133	<5 ppb
2134	7	33	-	-	2134	<5 ppb
2135	16	-	-	-	2135	<5 ppb
2136	9	-	-	-	2136	<5 ppb
2137	5	-	-	-	2137	<5 ppb
2138	34	-	-	-	2138	<5 ppb
2139	7	-	-	-	2139	<5 ppb
2140	9	-	-	-	2140	<5 ppb
2141	< 2	-	-	-	2141	<5 ppb
2142	2	-	-	-	2142	<5 ppb
2264	12	-	-	-	2264	23 ppb
2266	133	88	-	-	2266	26 ppb
2356A	164	-	-	-	2356A	124 ppb
2390	144	-	-	-	2390	24 ppb
2400	58	-	-	-	2400	37 ppb
2414	167	-	-	-	2414	21 ppb
2430	149	-	-	-	2430	28 ppb
2457	58	-	-	-	2457	41 ppb
2596	138	-	-	-	2596	<5 ppb
2600	2105	-	-	1988	2600	1830 ppb
2601	12	-	-	-	2601	16 ppb
2603	98	70	-	-	2603	96 ppb
2605	12	-	-	-	2605	21 ppb
2612	78	-	-	-	2612	42 ppb
2643	149	-	-	-	2643	36 ppb
2655	11	-	-	-	2655	121 ppb
2688	18	-	-	-	2688	40 ppb
2697	20	-	-	-	2697	40 ppb
Blank Value	8	-	-	-		
SH41	1255	-	-	-		

Certificate Of Analysis

Cattarello Assayers Inc.
475 Railway Street, Timmins
(705) 267-4444

Cattarello Assayers Inc.

Number Of Samples: 47

Client: First Lithium

Job: 671 Mollie River

Type Of Sample: Drill Core

Received Date: 2011-04-12

Processed Date: 2011-04-13

Report Date: 2011-04-14

Sample ID	Au FA-GEO gr/mt 0.005 ========	Au-Dup FA-GEO gr/mt 0.005 ========
732453	**0.005**	
732454	**0.007**	
732455	**0.006**	
732456	**0.012**	
732457	**<0.005**	
732458	**0.009**	
732459	**<0.005**	
732460	**0.006**	**0.008**
732461	**0.007**	
732462	**0.006**	
732463	**0.008**	
732464	**0.006**	
732465	**0.007**	
732466	**0.007**	
732467	**0.007**	
732468	**0.008**	
732469	**0.010**	
732470	**0.013**	
732471	**0.008**	
732472	**0.008**	
732473	**<0.005**	
732474	**0.007**	
732475	**<0.005**	
732476	**0.012**	
732477	**0.007**	
732478	**0.009**	
732479	**<0.005**	**0.008**
732480	**0.055**	
732481	**0.010**	
732482	**0.011**	

Approved By Chief Analyst:

Certificate Of Analysis

Cattarello Assayers Inc.

Number Of Samples: 47

Client: First Lithium

Job: 671 Mollie River

Type Of Sample: Drill Core

Received Date: 2011-04-12

Processed Date: 2011-04-13

Report Date: 2011-04-14

Sample ID	Au FA-GEO gr/mt 0.005 ========	Au-Dup FA-GEO gr/mt 0.005 ========
732483	**0.007**	
732484	**0.008**	
732485	**0.007**	
732486	**0.007**	
732487	**0.008**	
732488	**0.010**	
732489	**0.015**	
732490	**0.016**	
732491	**0.014**	
732492	**0.008**	
732493	**0.007**	
732494	**0.008**	
732495	**0.018**	
732496	**0.006**	**0.006**
732497	**0.009**	
732498	**2.283**	**2.449**
732499	**<0.005**	

Approved By Chief Analyst:

Certificate Of Analysis

Cattarello Assayers Inc.

Number Of Samples: 47

Client: First Lithium

Job: 671 Mollie River

Type Of Sample: Drill Core

Received Date: 2011-04-12

Processed Date: 2011-04-13

Report Date: 2011-04-14

Sample ID	Au FA-GEO gr/mt 0.005 ========	Au-Dup FA-GEO gr/mt 0.005 ========
732453	0.005	
732454	0.007	
732455	0.006	
732456	0.012	
732457	<0.005	
732458	0.009	
732459	<0.005	
732460	0.006	0.008
732461	0.007	
732462	0.006	
732463	0.008	
732464	0.006	
732465	0.007	
732466	0.007	
732467	0.007	
732468	0.008	
732469	0.010	
732470	0.013	
732471	0.008	
732472	0.008	
732473	<0.005	
732474	0.007	
732475	<0.005	
732476	0.012	
732477	0.007	
732478	0.009	
732479	<0.005	0.008
732480	0.055	
732481	0.010	
732482	0.011	

Approved By Chief Analyst:

Certificate Of Analysis

Cattarello Assayers Inc.

Number Of Samples: 47

Client: First Lithium

Job: 671 Mollie River

Type Of Sample: Drill Core

Received Date: 2011-04-12

Processed Date: 2011-04-13

Report Date: 2011-04-14

Sample ID	Au FA-GEO gr/mt 0.005 ========	Au-Dup FA-GEO gr/mt 0.005 ========
32483	**0.007**	
32484	**0.008**	
32485	**0.007**	
32486	**0.007**	
32487	**0.008**	
32488	**0.010**	
32489	**0.015**	
32490	**0.016**	
32491	**0.014**	
32492	**0.008**	
32493	**0.007**	
32494	**0.008**	
32495	**0.018**	
32496	**0.006**	**0.006**
32497	**0.009**	
32498	**2.283**	**2.449**
32499	**<0.005**	

Approved By Chief Analyst:

Laboratoire Expert Inc.
127, Boulevard Industriel

Rouyn-Noranda
Québec
Canada J9X 6P2
Telephone : (819) 762-71(Fax : (819) 762-7510

*** Certificate of analysis ***

Client : Cattarello Assayers Inc.

Addressee : Chris Hacquard

475 Railway Street
Timmins
Ontario P4N 2P5

Telephone : (705) 267-4444
Fax :

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2
732453	120	115	25	22
732454	113		21	
732455	119		23	
732456	437		21	
732457	122		21	
732458	152		24	
732459	114		26	
732460	101		18	
732461	110		18	
732462	100		16	
732463	121		28	
732464	106		26	
732465	146	145	29	28
732466	93		34	
732467	69		21	
732468	115		34	
732469	199		34	
732470	121		86	
732471	145		56	
732472	88		46	
732473	70		60	

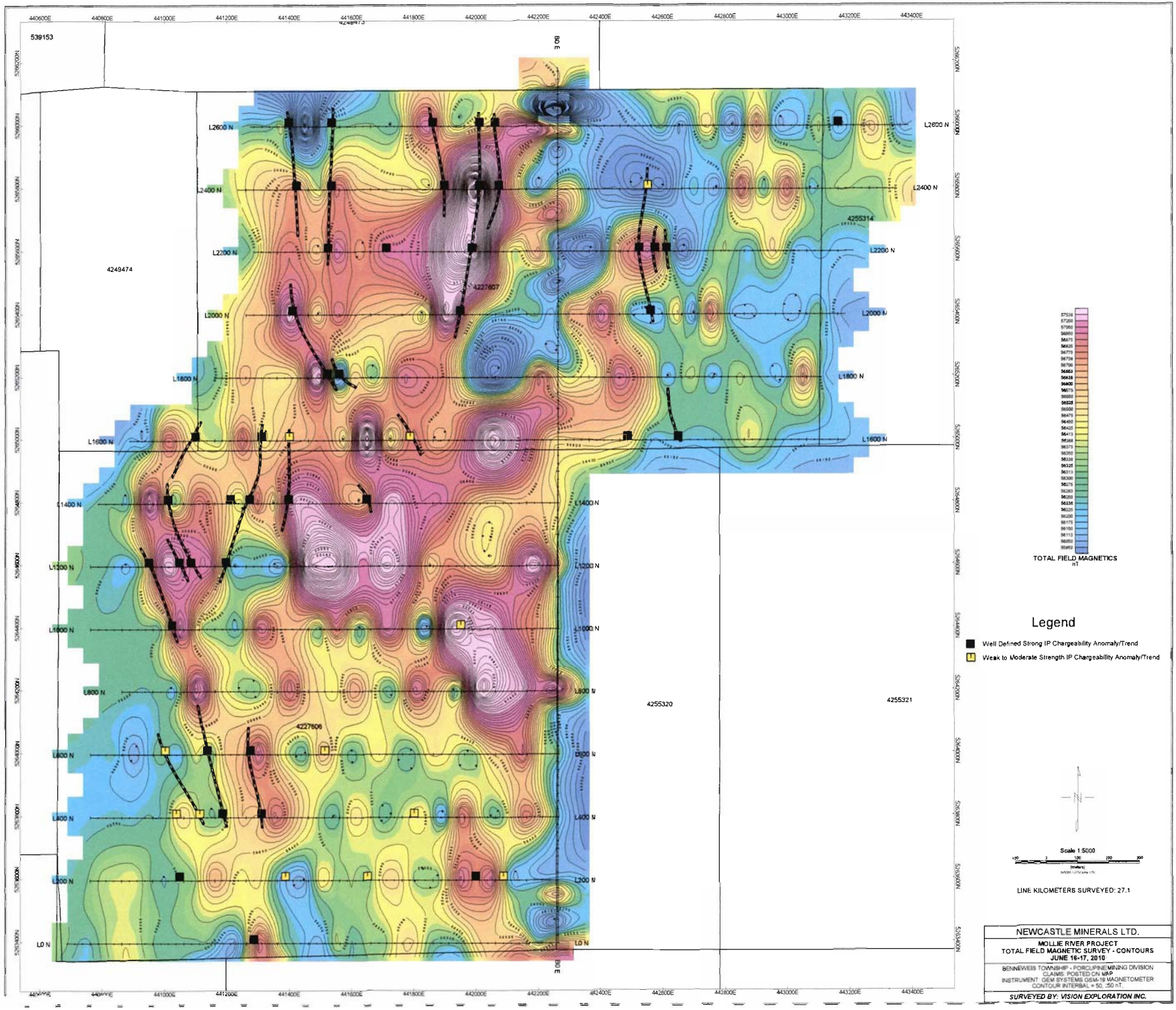
732474	143		73	
732475	87		133	
732476	112		121	
732477	77	78	164	162
732478	144		55	
732479	189		65	
732480	182		63	
732481	167		77	
732482	108		43	
732483	125		15	
732484	100		56	
732485	107		62	
732486	73		50	
732487	62		31	
732488	124		30	
732489	357	357	70	68
732490	149		48	
732491	187		26	
732492	116		22	
732493	128		34	
732494	116		30	
732495	129		33	
732496	268		50	
732497	90		62	
732498	169		34	
732499	2		2	

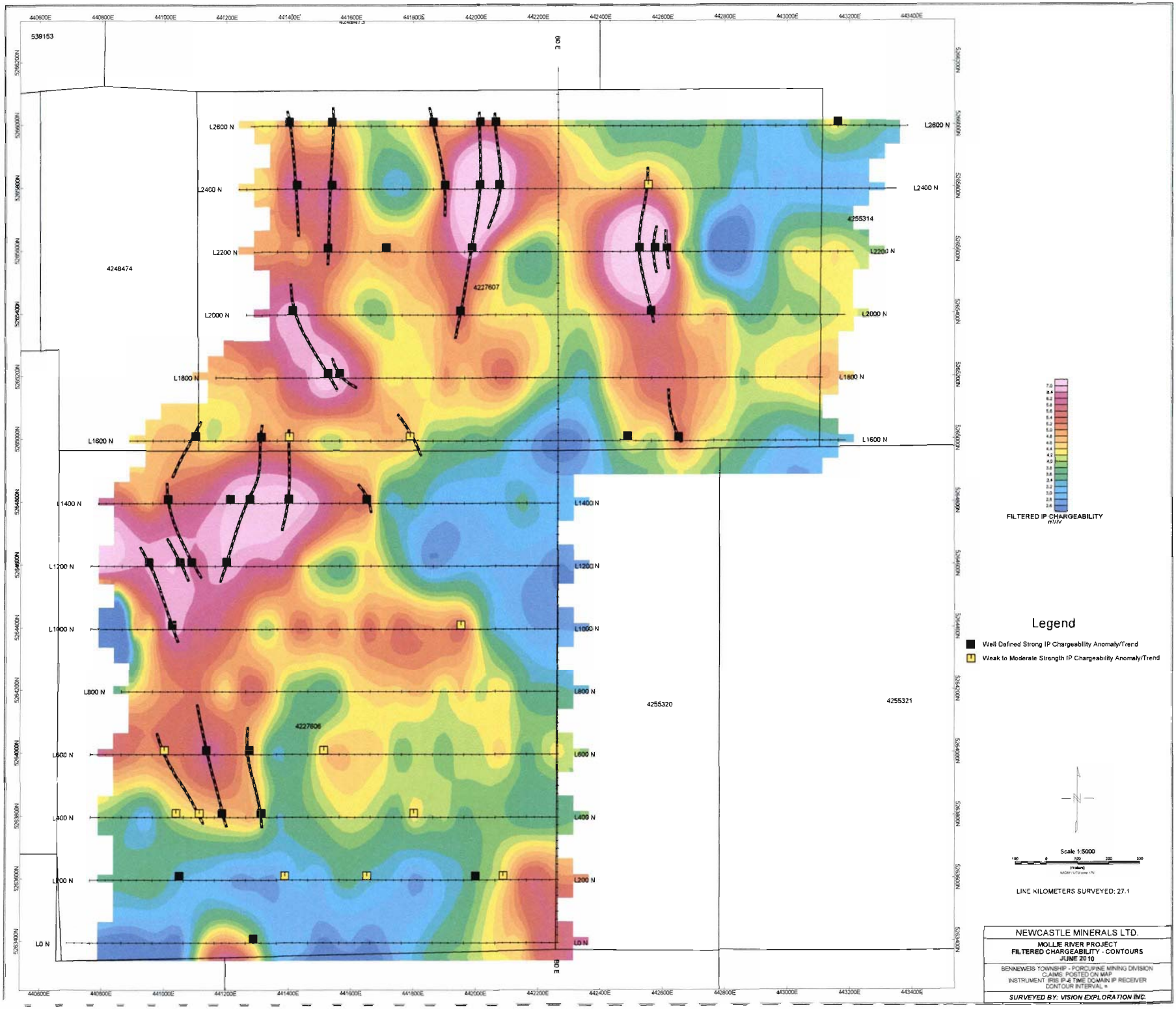
Date : 19/04/2011

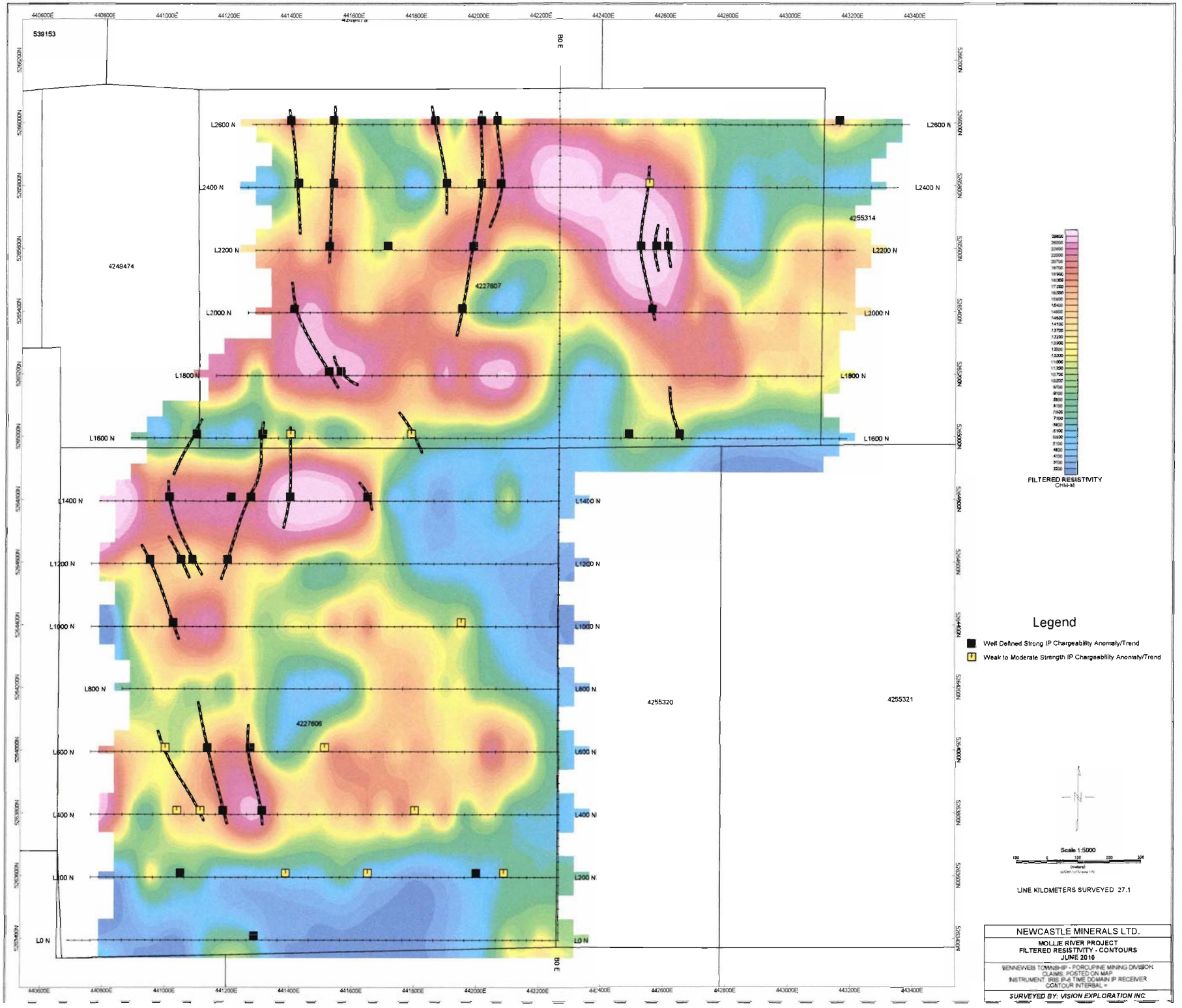
Folder : **29856**
Your Order number :
Project : **JOB 671**

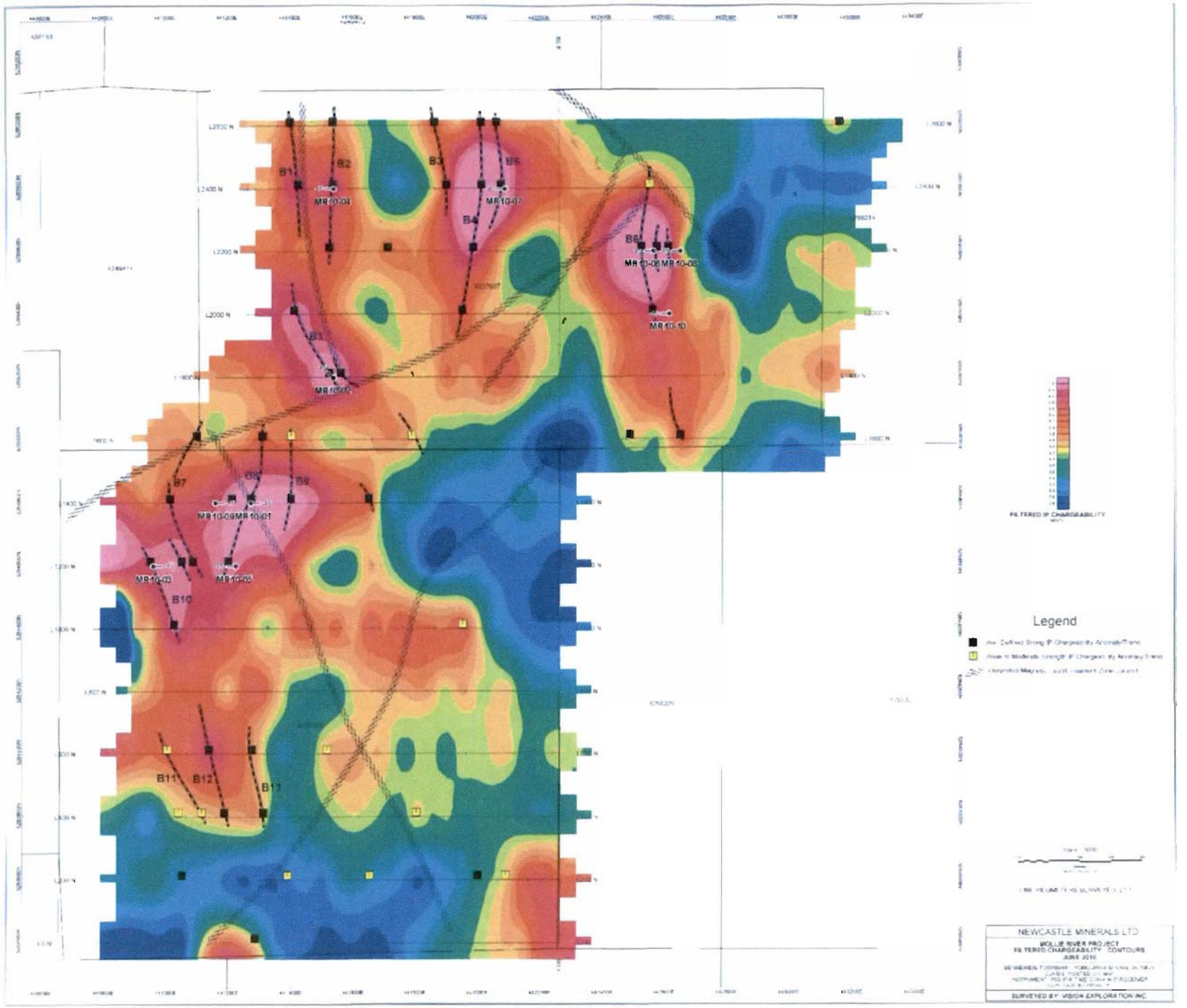
Total number **47**

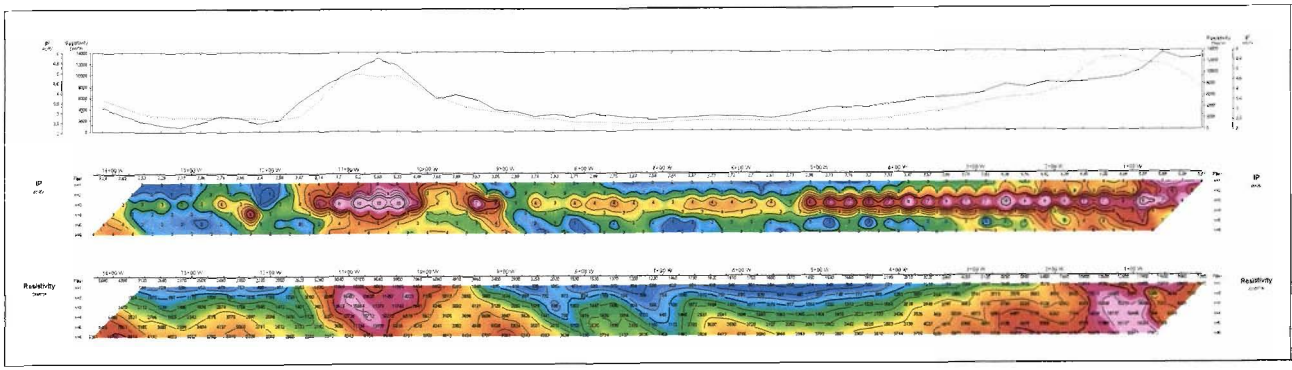
IP SECTIONS


539153
4249474
4255314
4227607
4255320
4255321
4227606
L2600 N
L2400 N
L2200 N
L2000 N
L1800 N
L1600 N
L1400 N
L1200 N
L1000 N
L800 N
L600 N
L400 N
L200 N
L0 N
TOTAL FIELD MAGNETICS
nT
Legend
Well Defined Strong IP Chargeability Anomaly/Trend
Weak to Moderate Strength IP Chargeability Anomaly/Trend
Scale 1:5000
LINE KILOMETERS SURVEYED: 27.1
NEWCASTLE MINERALS LTD.
MOLLIE RIVER PROJECT
TOTAL FIELD MAGNETIC SURVEY - CONTOURS
JUNE 16-17, 2018
BENNEWEIS TOWNSHIP - PORCUPINE MINING DIVISION
CLAIMS: POSTED ON MAP
INSTRUMENT: GEM SYSTEMS GSM-19 MAGNETOMETER
CONTOUR INTERVAL = 50 .50 nT
SURVEYED BY: VISION EXPLORATION INC.


539153
4248474
4227607
4255314
4227606
4255320
4255321
L2600 N
L2400 N
L2200 N
L2000 N
L1800 N
L1600 N
L1400 N
L1200 N
L1000 N
L800 N
L600 N
L400 N
L200 N
L0 N
FILTERED IP CHARGEABILITY
mV/V
Legend
Well Defined Strong IP Chargeability Anomaly/Trend
Weak to Moderate Strength IP Chargeability Anomaly/Trend
Scale 1:5000
LINE KILOMETERS SURVEYED: 27.1
NEWCASTLE MINERALS LTD.
MOLLIE RIVER PROJECT
FILTERED CHARGEABILITY - CONTOURS
JUNE 2010
BENNEWEIS TOWNSHIP - PORCUPINE MINING DIVISION
CLAIMS POSTED ON MAP
INSTRUMENT: IRIS IP-E TIME DOMAIN IP RECEIVER
CONTOUR INTERVAL: n
SURVEYED BY: VISION EXPLORATION INC.


539153
4249474
4227607
4255314
4255320
4255321
4227606
L2600 N
L2400 N
L2200 N
L2000 N
L1800 N
L1600 N
L1400 N
L1200 N
L1000 N
L800 N
L600 N
L400 N
L200 N
L0 N
FILTERED RESISTIVITY
OHM-M
Legend
Well Defined Strong IP Chargeability Anomaly/Trend
Weak to Moderate Strength IP Chargeability Anomaly/Trend
Scale 1:5000
LINE KILOMETERS SURVEYED 27.1
NEWCASTLE MINERALS LTD.
MOLLIE RIVER PROJECT
FILTERED RESISTIVITY - CONTOURS
JUNE 2010
BENNEVEIS TOWNSHIP - PORCUPINE MINING DIVISION
CLAIMS POSTED ON MAP
INSTRUMENT: IRIS IP-6 TIME DOMAIN IP RECEIVER
CONTOUR INTERVAL =
SURVEYED BY: VISION EXPLORATION INC.


B1
B2
B3
B4
B5
B6
B7
B8
B9
B10
B11
B12
B11
MR10-04
MR10-07
MR10-06
MR10-08
MR10-10
MR10-09
MR10-01
MR10-03
MR10-05
L2600 N
L2400 N
L2200 N
L2000 N
FILTERED IP CHARGEABILITY
Legend
NEWCASTLE MINERALS LTD
WOLLIE RIVER PROJECT
FILTERED CHARGEABILITY - CONTOURS
JUNE 2010
SURVEYED BY VISION EXPLORATION INC.



Pseudo Section Plot

0+00 N

Dipole-Pole Array

Pyramid-Hoo Filter

Scale 1:2500

NEWCASTLE MINERALS LTD.

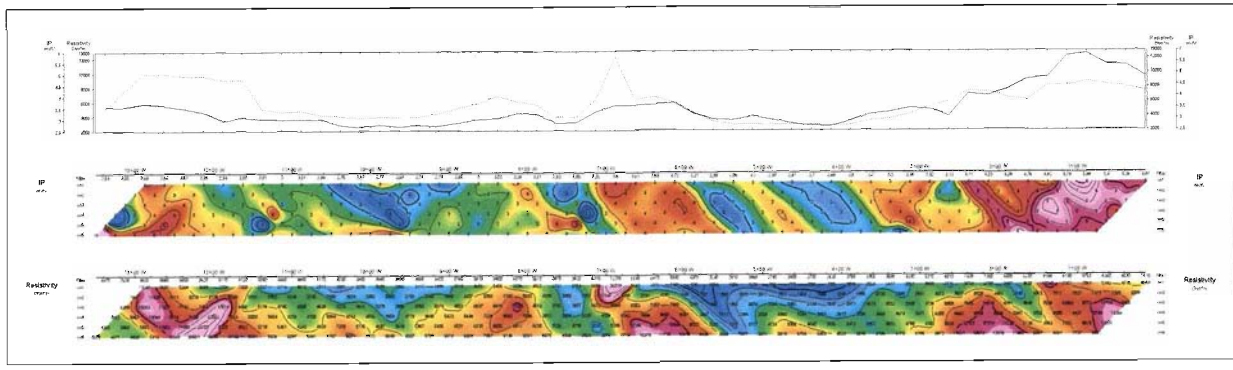
INDUCED POLARIZATION SURVEY

BENNEWEIS PROJECT

JUNE 2010

Benneweis Township
Porcupine Mining Division

SURVEYED BY: VISION EXPLORATION INC.



Pseudo Section Plot

2+00 N

Dipole-Pole Array

Pyramid-top Filter

Scale 1:2500

NEWCASTLE MINERALS LTD.

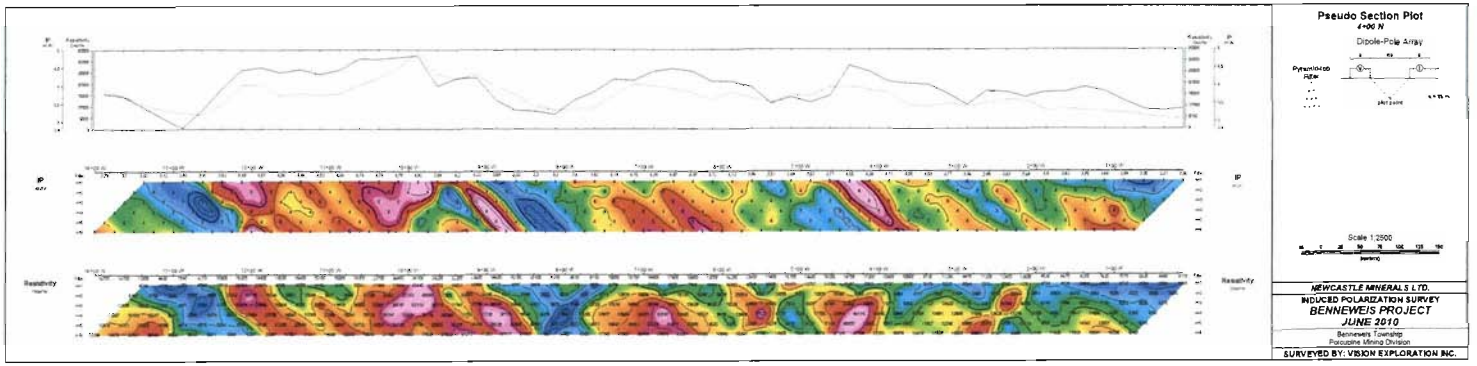
INDUCED POLARIZATION SURVEY

BENNEWEIS PROJECT

JUNE 2010

Benneweis Township
Porcupine Mining Division

SURVEYED BY: VISION EXPLORATION INC.

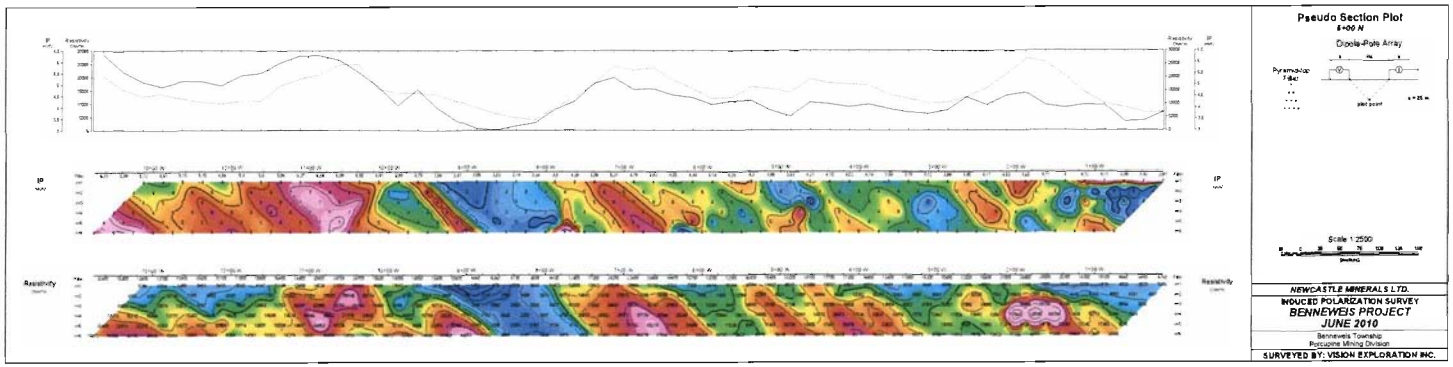


Pseudo Section Plot
4+00 N

Dipole-Pole Array

Scale 1:2500

NEWCASTLE MINERALS LTD.
INDUCED POLARIZATION SURVEY
BENNEWEIS PROJECT
JUNE 2010
Benneweis Township
Porcupine Mining Division
SURVEYED BY: VISION EXPLORATION INC.



Pseudo Section Plot

8+00 N

Dipole-Pole Array

Pyramid-up Plot

Scale 1:2500

NEWCASTLE MINERALS LTD.

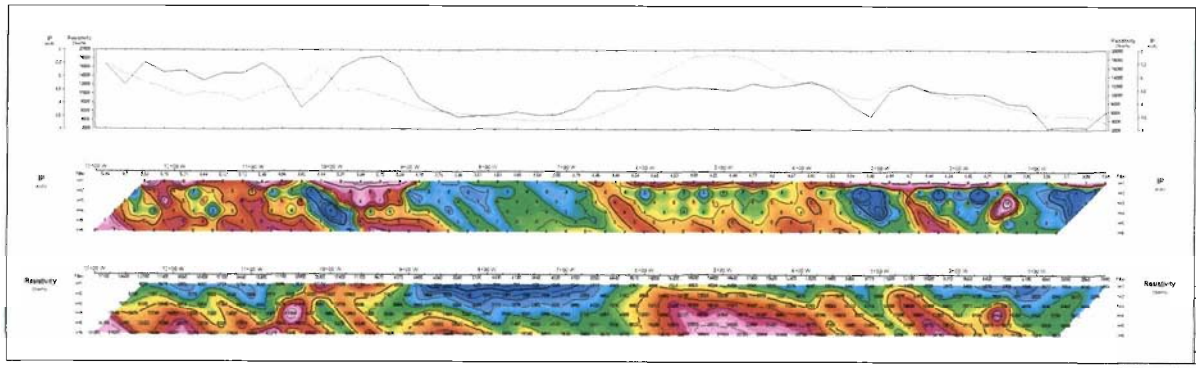
INDUCED POLARIZATION SURVEY

BENNEWEIS PROJECT

JUNE 2010

Benneweis Township
Porcupine Mining Division

SURVEYED BY: VISION EXPLORATION INC.



Pseudo Section Plot

8+00 N

Dipole-Pole Array

Pyramid/dipo Filter

Scale 1:2500

NEWCASTLE MINERALS LTD.

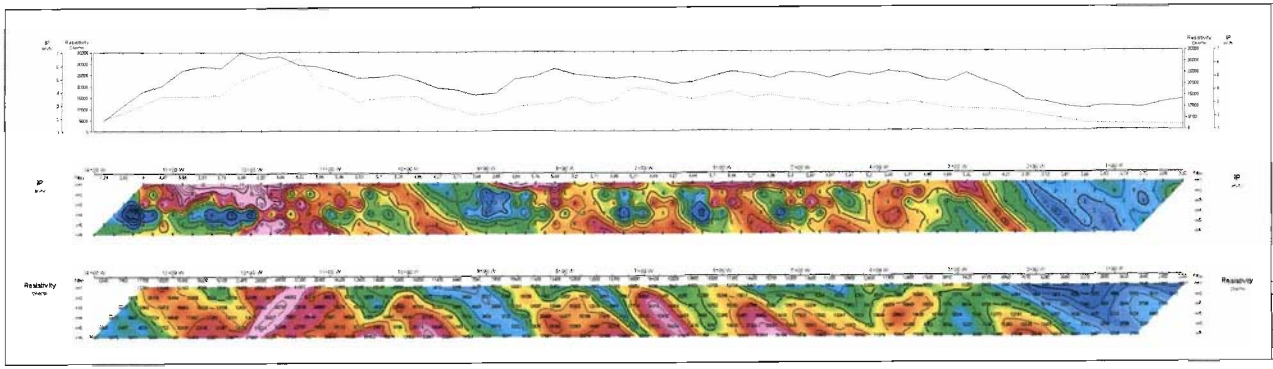
INDUCED POLARIZATION SURVEY

BENNEWEIS PROJECT

JUNE 2010

Bennineis Township
Porcupine Mining Division

SURVEYED BY: VISION EXPLORATION INC.



Pseudo Section Plot

10+00 N

Dipole-Pole Array

Pyramid-type Filter

Scale 1:2500

NEWCASTLE MINERALS LTD.

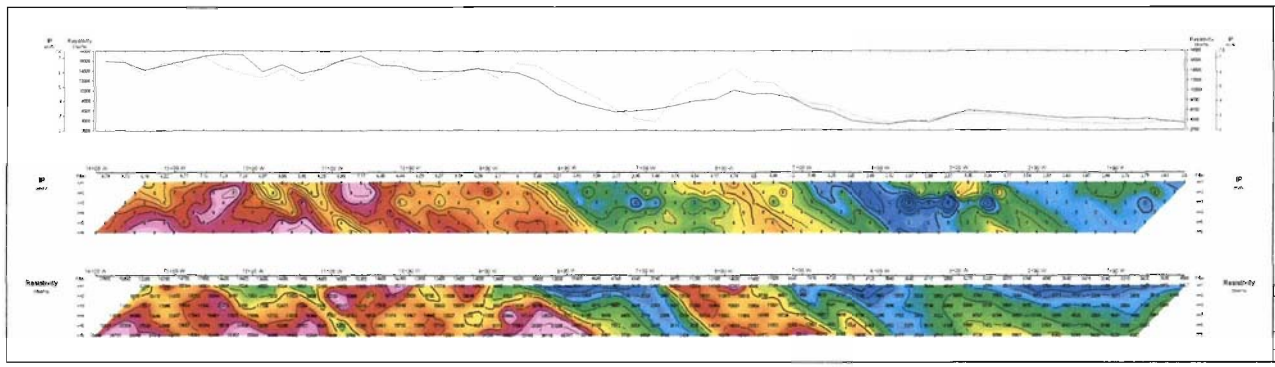
INDUCED POLARIZATION SURVEY

BENNEWEIS PROJECT

JUNE 2010

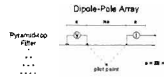
Benneweis Township
Porcupine Mining Division

SURVEYED BY: VISION EXPLORATION INC.



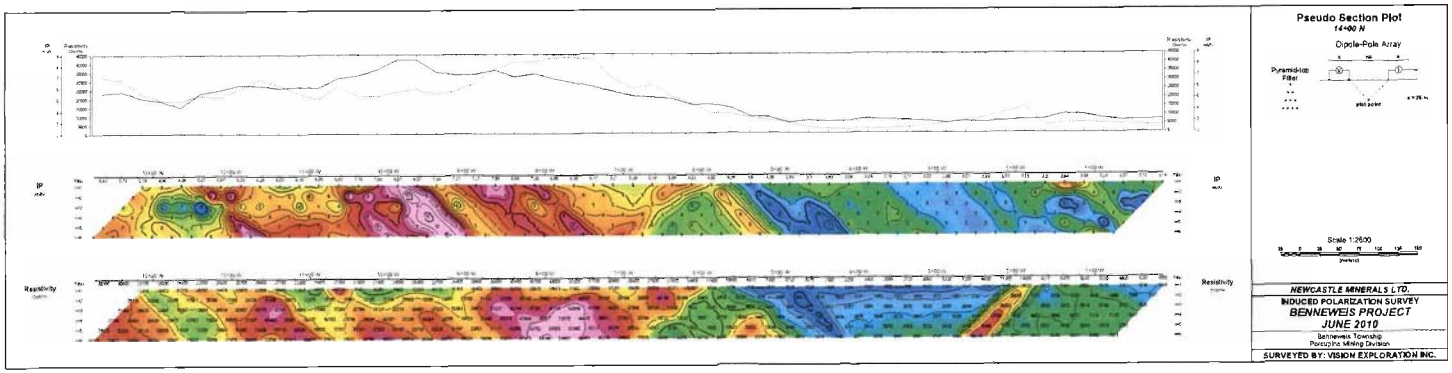
Pseudo Section Plot
12+00 N

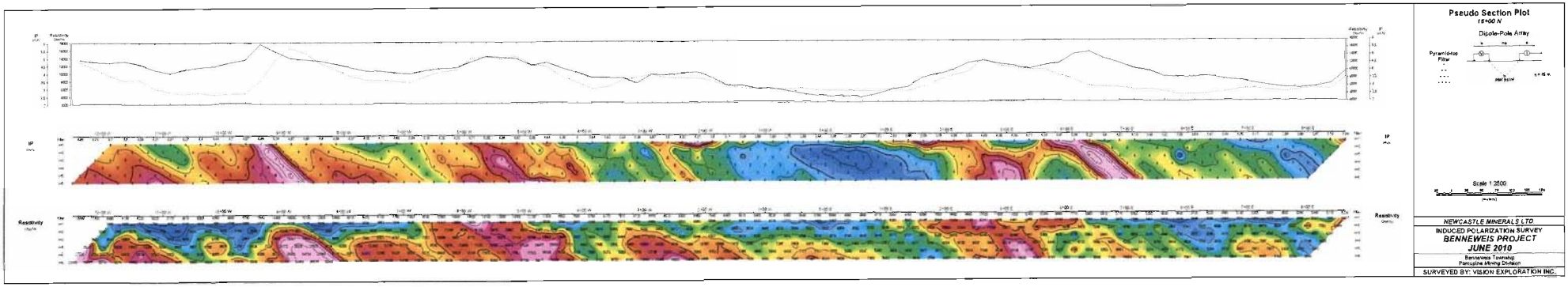
Dipole-Pole Array

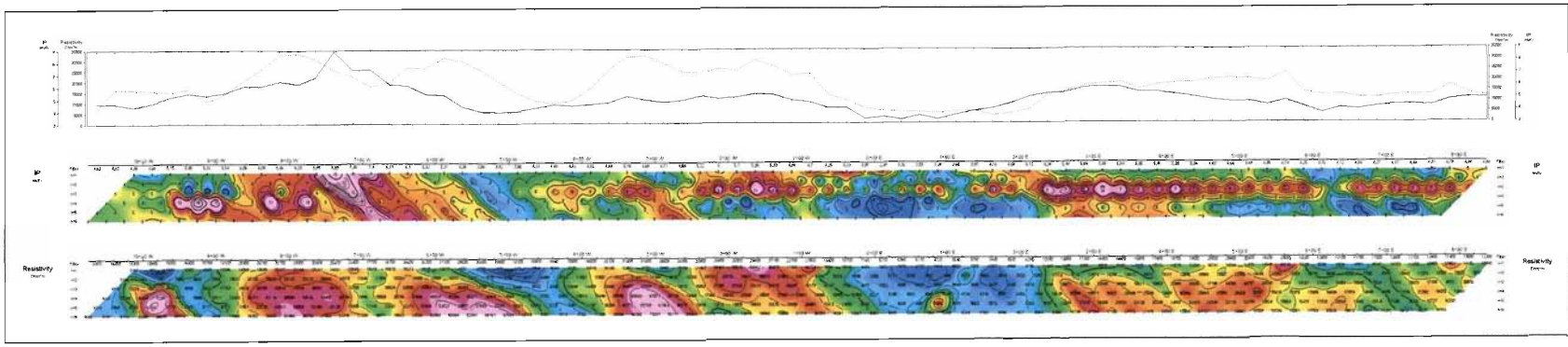


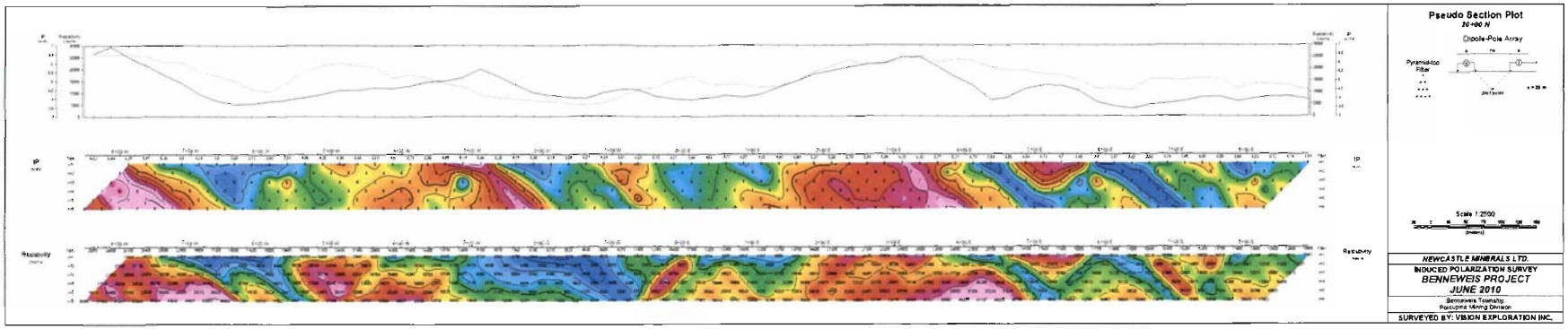
Scale 1:2500

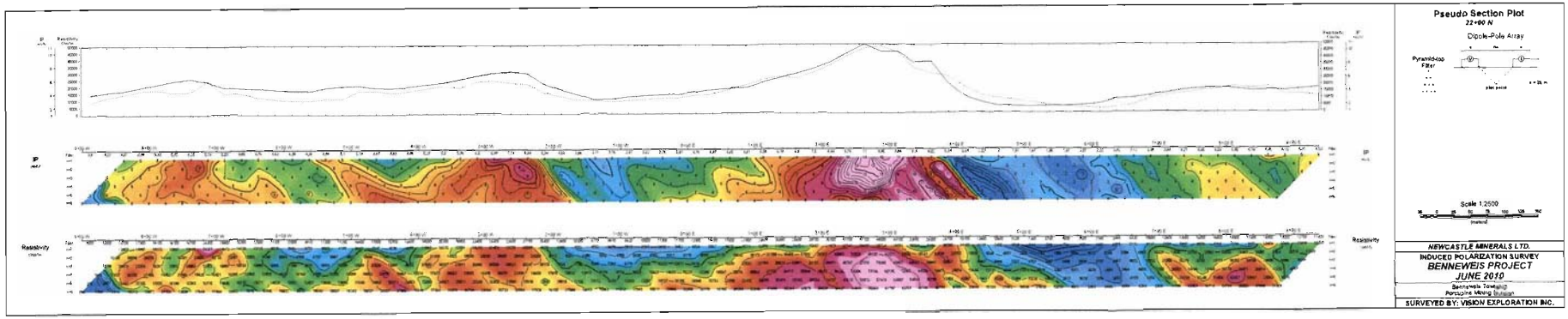
NEWCASTLE MINERALS LTD.
INDUCED POLARIZATION SURVEY
BENNEWEIS PROJECT
JUNE 2019
Benneweis Township
Porcupine Mining Division
SURVEYED BY: VISION EXPLORATION INC.

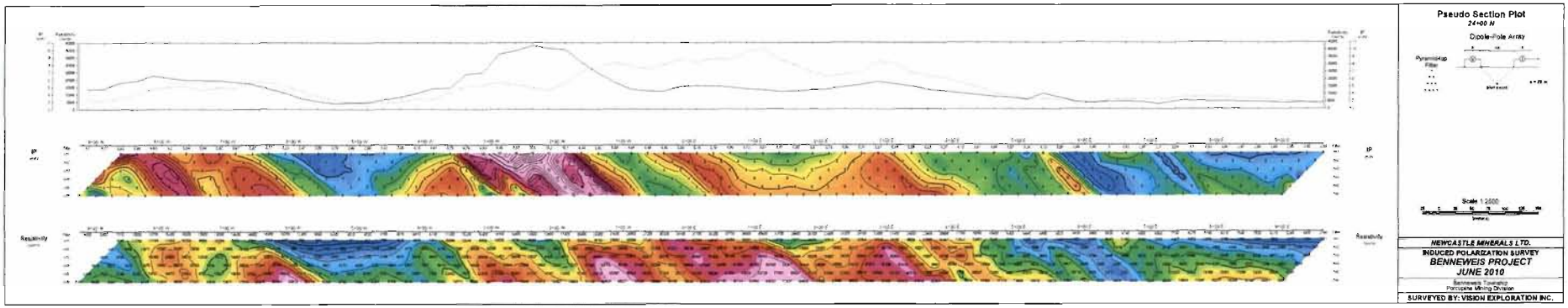

Pseudo Section Plot
14+00 N
Dipole-Pole Array
Pyramid-top Filter
Scale 1:2500
NEWCASTLE MINERALS LTD.
INDUCED POLARIZATION SURVEY
BENNEWEIS PROJECT
JUNE 2010
Benneweis Township
Porcupine Mining Division
SURVEYED BY: VISION EXPLORATION INC.

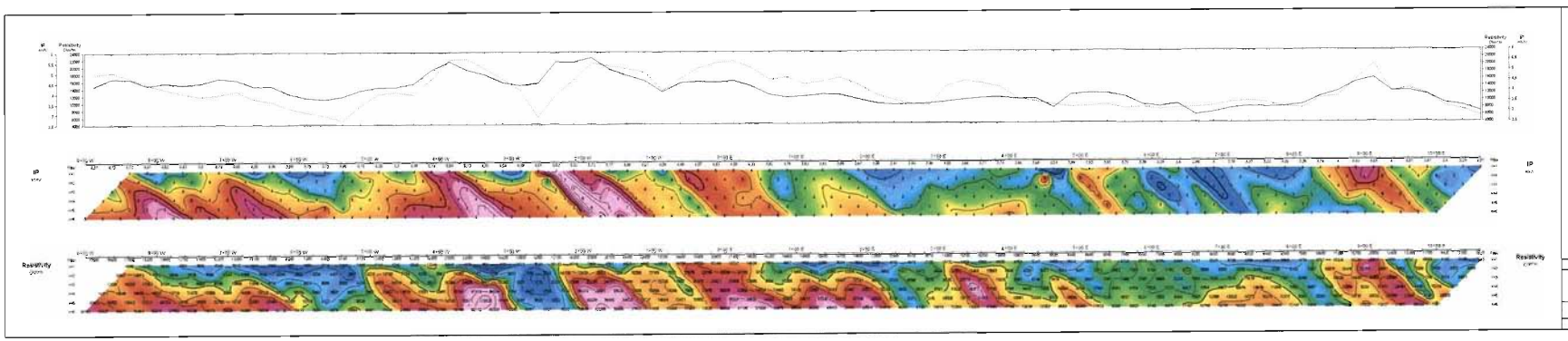

Pseudo Section Plot
15+00 N
Dipole-Pole Array
Pyramid-up Filter
Scale 1:2500
NEWCASTLE MINERALS LTD
INDUCED POLARIZATION SURVEY
BENNEWEIS PROJECT
JUNE 2010
Benneweis Township
Porcupine Mining Division
SURVEYED BY: VISION EXPLORATION INC.


Pseudo Section Plot
14+00 N
Dipole-Pole Array
Pyramid-Hop Filter
Scale 1:2500
NEWCASTLE MINERALS LTD.
INDUCED POLARIZATION SURVEY
BENNEWEIS PROJECT
JUNE 2010
Benneweis Township
Porcupine Mining Division
SURVEYED BY: VISION EXPLORATION INC.


Pseudo Section Plot
20+00 N
Dipole-Pole Array
Pyramidal
Filter
Scale 1:2500
NEWCASTLE MINERALS LTD.
INDUCED POLARIZATION SURVEY
BENNEWEIS PROJECT
JUNE 2010
Benneweis Township
Porcupine Mining Division
SURVEYED BY: VISION EXPLORATION INC.


Pseudo Section Plot
22+00 N
Dipole-Pole Array
Pyramid-top Filter
Scale 1:2500
NEWCASTLE MINERALS LTD.
INDUCED POLARIZATION SURVEY
BENNEWEIS PROJECT
JUNE 2010
Benneweis Township
Porcupine Mining Division
SURVEYED BY: VISION EXPLORATION INC.


Pseudo Section Plot
24+00 N
Dipole-Pole Array
Pyramid/Lap Filter
Scale 1:2000
NEWCASTLE MINERALS LTD.
INDUCED POLARIZATION SURVEY
BENNEWEIS PROJECT
JUNE 2010
Benneweis Township
Porcupine Mining Division
SURVEYED BY: VISION EXPLORATION INC.


Pseudo Section Plot
2+00 N
Dipole-Pole Array
Pyramid-type Filter
Scale 1:2500
NEWCASTLE MINERALS LTD.
INDUCED POLARIZATION SURVEY
BENNEWEIS PROJECT
JUNE 2010
Benneweis Township
Porcupine Mining Division
SURVEYED BY: VISION EXPLORATION INC.