

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 West Hastings Street
Vancouver, B.C. V6B1L8

Telephone: 604-688-2568

Fax: 604-688-2578

ASSESSMENT REPORT

describing

REVERSE CIRCULATION PERCUSSION DRILLING

at the

MICK PROPERTY

Mick 1-32 YC43514-YC43545

NTS 116C/07 and 116C/08
Latitude 64°19'N; Longitude 140°29'W

located in the

Dawson Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

STRATEGIC METALS LTD.

by
H. Smith, B.Sc., P.Geo.
and
R. Avram, B. Sc.

February 2012

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INTRODUCTION

The Mick property is a volcanogenic massive sulphide (VMS) prospect located in western Yukon Territory. It is owned 100% by Strategic Metals Ltd.

This report describes a reverse circulation drill program that was conducted by Archer, Cathro & Associates (1981) Limited on behalf of Strategic. The work was performed by a four person crew from August 28 to September 2, 2011. The authors participated in and interpreted all drill hole data for this project, and their Statements of Qualification appear in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Mick property consists of 32 contiguous mineral claims located in western Yukon at latitude 64°19'N and longitude 140°29'W on NTS map sheets 116C/07 and 116C/08 (Figure 1). The claims are registered with the Dawson Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited, which holds them in trust for Strategic. Claim registration data are listed below and the locations of individual claims are shown on Figure 2.

Claim Number	Grant Number	Expiry Date*
Mick 1-32	YC43514-YC43545	March 17, 2017

* Expiry date includes 2011 work which has been filed for assessment credit.

In 2011, the Mick property was accessed by truck via the Top of the World Highway, which extends from Dawson City into Alaska, and the Clinton Creek Road – a haulage road that serviced the former Clinton Creek asbestos mine.

The Clinton Creek Road starts 60 km west of Dawson City along the Top of the World Highway. The Mick property lies 18 km from the junction of these two roads. The Clinton Creek Road is usually open from late spring until late fall, when the ferry across the Yukon River at Dawson City is in operation.

PREVIOUS WORK

In 1957, exploration in the vicinity of the current Mick property focused on ultramafic-hosted asbestos occurrences. Canex Aerial Exploration performed hand trenching in the area, but there is no public record describing this work (Deklerk and Traynor, 2005).

In 1978, Cominco Ltd. restaked the area and subsequently explored the property with mapping and soil sampling in 1978, soil sampling and bulldozer trenching in 1979 and 1980 and one 183 m diamond drill hole in 1981. The claims were allowed to lapse following this work.

In 1990, YGC Resources Ltd. restaked the area and explored it with soil sampling and bulldozer trenching that year and more soil sampling in 1991. In 1992, Kennecott Canada Inc. optioned the property from YGC and carried out geological mapping, soil sampling, MaxMin I-9 EM

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FIGURE 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY LOCATION

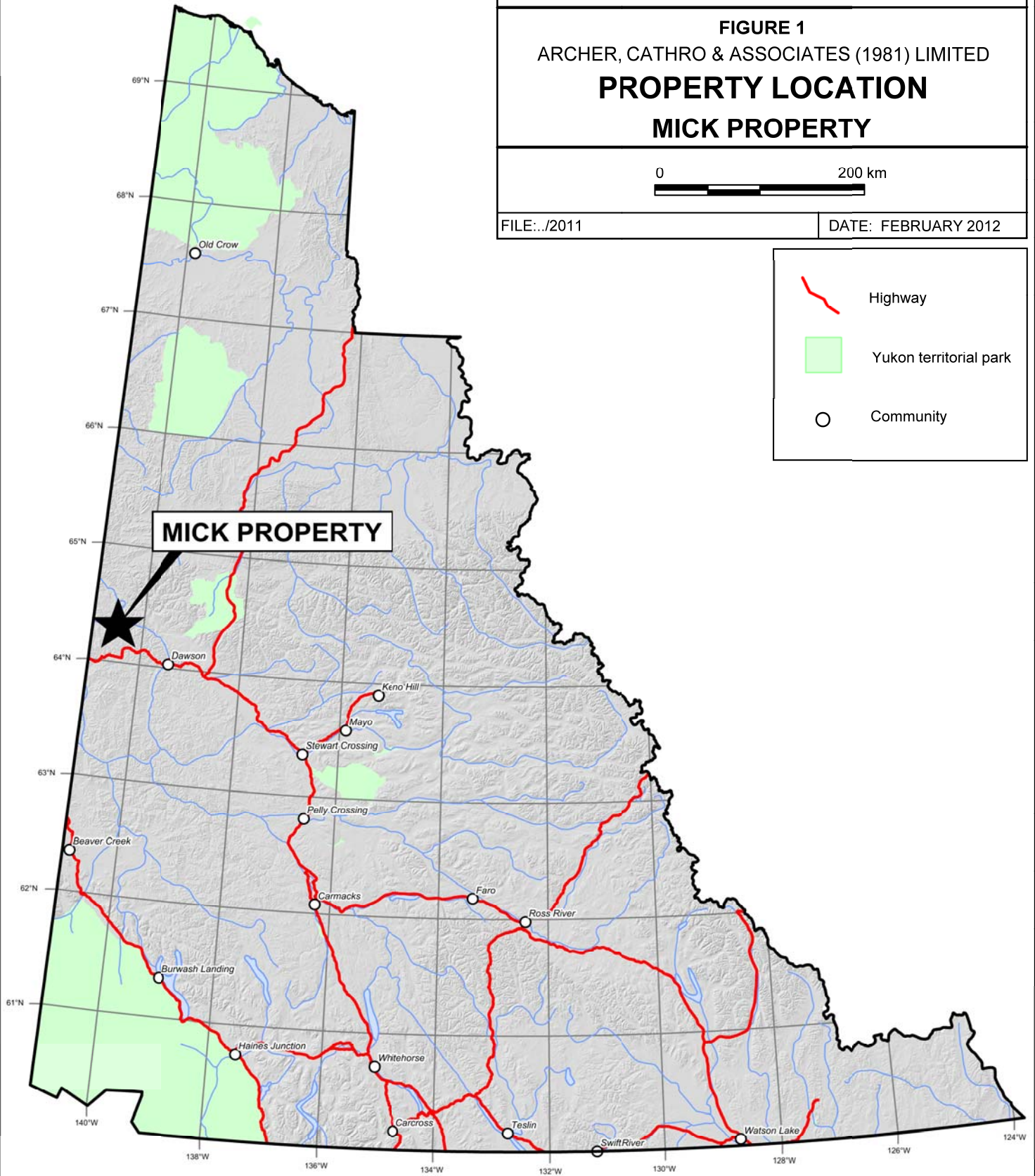
MICK PROPERTY

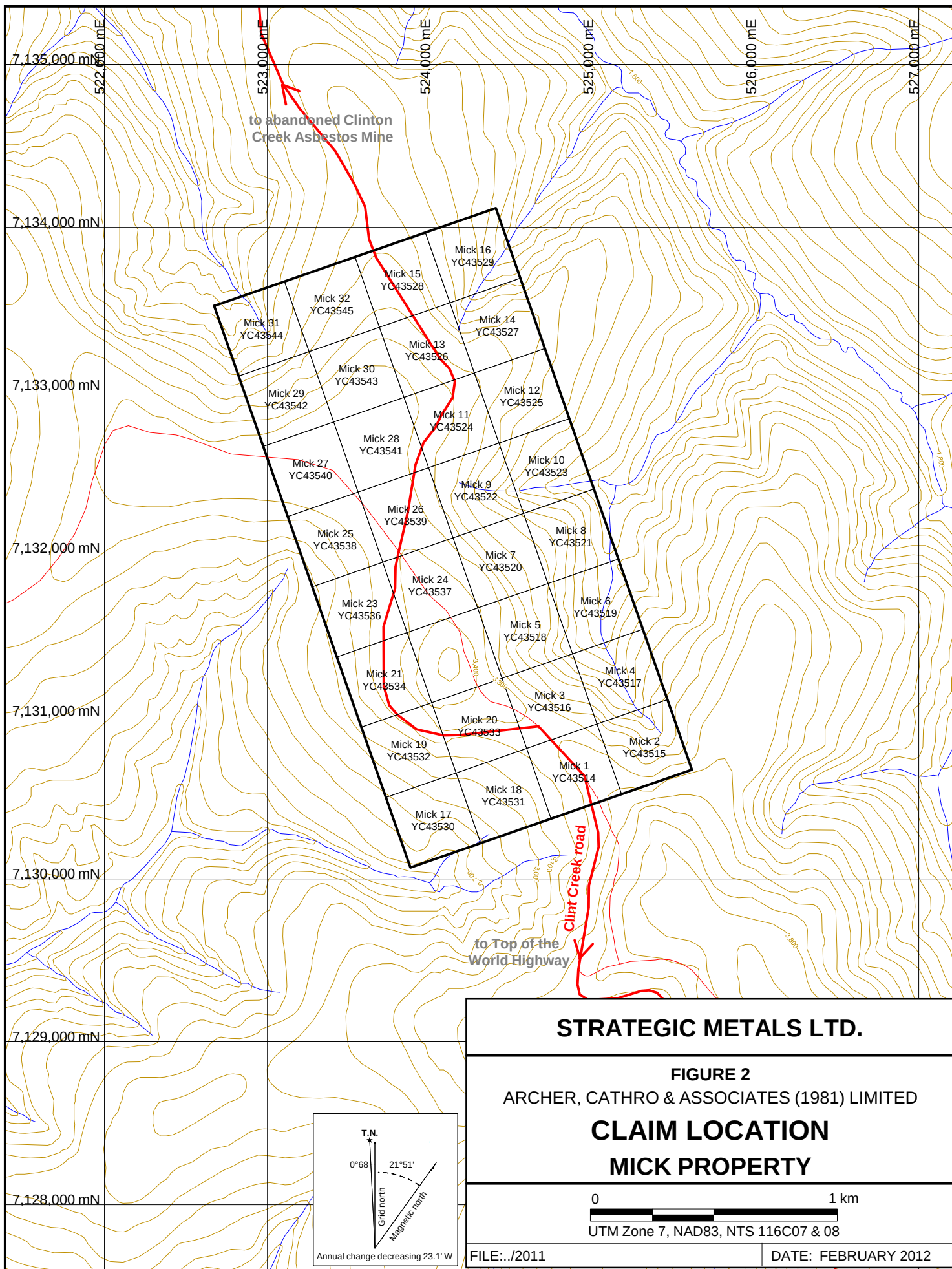
0 200 km

FILE:../2011

DATE: FEBRUARY 2012

- Highway
- Yukon territorial park
- Community





geophysical surveys and excavator trenching (Archer Cathro, 1992). In 1995, Atna Resources Ltd. performed soil sampling on the west half of the property, under an option agreement with YGC. No further work was carried out and the claims were allowed to lapse.

In 2006, the area was restaked as the Mick claims by Strategic, and property wide helicopter-borne VTEM and magnetometer surveys were carried out by Geotech Ltd. (Eaton, 2007).

GEOMORPHOLOGY

The Mick property approximately straddles a north-northwesterly trending ridge. Topography is subdued with elevations locally ranging from 650 to 1100 m above sea level. Relatively gentle slopes in the upper part of the property are vegetated with sub-alpine fir and arctic black birch, giving way to mixed mature balsam, spruce, fir and aspen trees as the slope steepens at lower elevations to the east. In 2003, a forest fire partially burned vegetation along the ridge crest.

The Dawson area, west of Tintina Trench, largely escaped Pleistocene glaciation. Overburden normally consist of wind-blown deposits and soliflucted residual material, and typically ranges from several centimetres to greater than five metres thick. Bedrock exposures are limited to resistant strata in cliffs along the sides of creeks draining the east part of the property. Outcrop forms less than 1% of the surface area. The soil consists of thick, partially frozen organic rich clay on the relatively gentle upper slopes and better drained material on steeper slopes. Bedrock is deeply weathered, sulphide minerals are oxidized to depths of 80 m or more below surface. Because of this, geochemical expression of base metal mineralization is subdued. Well developed periglacial solifluction of soil horizons results in extended downslope detrital dispersion of geochemical anomalies.

REGIONAL GEOLOGY

The Mick property is located in Yukon-Tanana Terrane (Figure 3). This geologically complex assemblage comprises polydeformed metamorphic rocks derived from a variety of volcanic and sedimentary protoliths that range from Precambrian to Permian in age. Most of the exploration success in Yukon-Tanana Terrane has been in the Finlayson Lake area of southeast Yukon where deposits occurs in at least four stratigraphic intervals that span a Late Devonian to Pennsylvanian-Permian times. VMS mineralization includes a variety of deposit types, including felsic-hosted and mafic-hosted deposits (Table I).

Restoration of the postulated 425 km of right-lateral, post Middle Cretaceous movement on the Tintina Fault brings the well mineralized Finlayson Lake belt adjacent to the main body of Yukon-Tanana Terrane west of Dawson City (Hunt, 2002). There are close similarities in lithology, structure and U-Pb zircon ages between the two areas (Mortensen, 1990). The geological similarities, the close proximity of the regions after restoration of movement along the Tintina Fault, and the presence of numerous VMS exploration targets in Yukon-Tanana Terrane rocks west of this fault suggest that significant VMS potential extends into west-central Yukon.

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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

MICK PROPERTY

FILE: P:/2011.cdr

DATE: FEBRUARY 2012

After Colpron, M. and Nelson, J.L., 2011

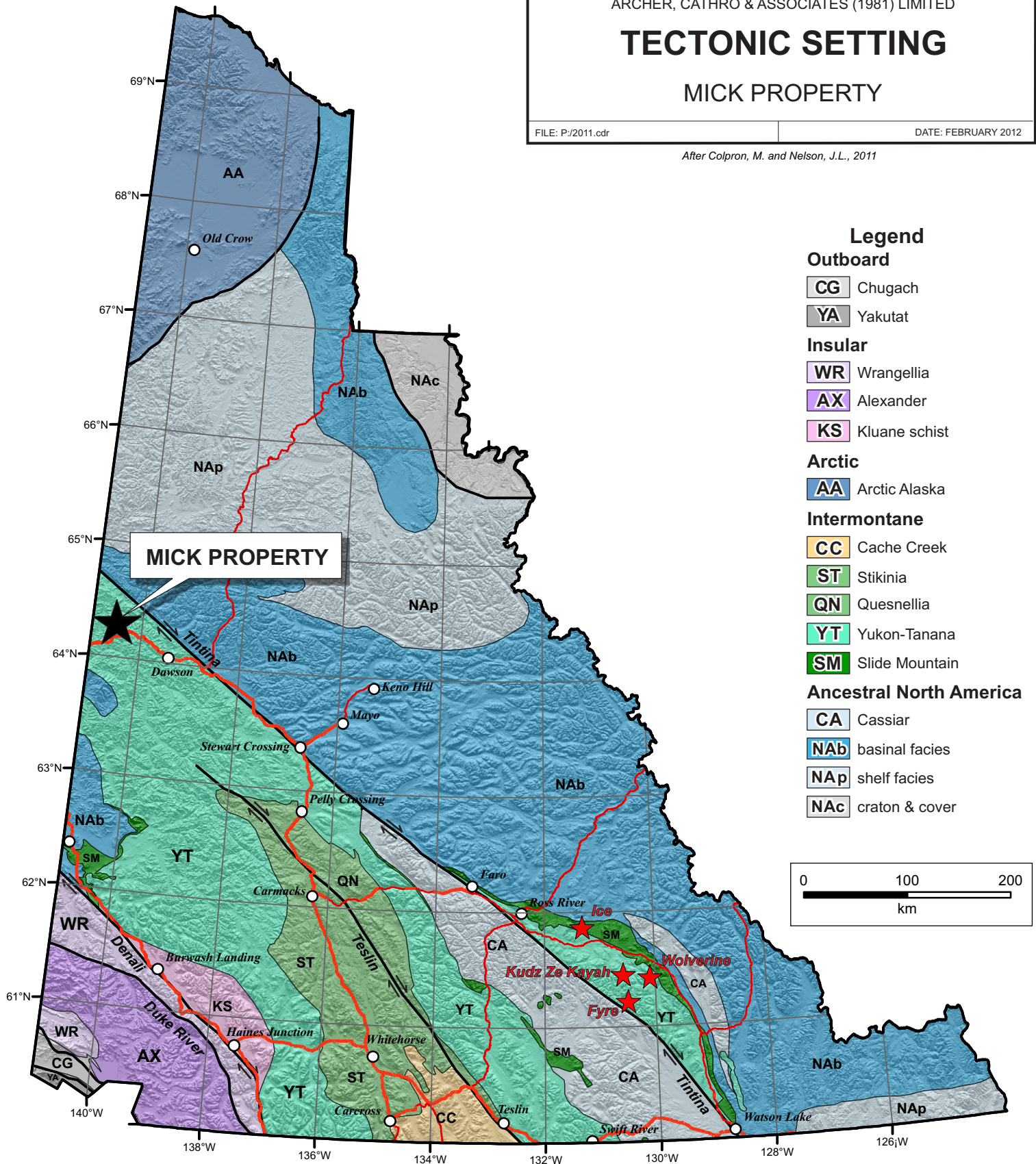


Table I- VMS deposits of Yukon-Tanana Terrane, southeast Yukon

DEPOSIT	SIZE (million t)	Cu (%)	Zn (%)	Pb (%)	Ag (g/t)	Au (g/t)
Felsic-hosted VMS						
Kudz Ze Kayah	13.0	1.0	5.5	1.3	125	1.2
GP4F	1.5	0.1	6.4	3.1	90	2.0
Wolverine	6.2	1.3	12.7	1.6	371	1.8
Mafic-hosted VMS						
Fyre Lake	8.2	2.1	---	---	---	0.7
Ice	4.6	1.5	---	---	---	---

Mortensen (1992) divided Yukon-Tanana Terrane in western Yukon into three structural assemblages.

- Nisling Assemblage: a structurally lower package of quartzite and marble of possible Proterozoic and/or Cambrian age.
- Nasina Assemblage: a middle structural package of Late Devonian to Middle Mississippian carbonaceous metasedimentary rocks and mafic- to felsic-metavolcanic rocks; and,
- Klondike Schist: an upper structural package of Middle Permian felsic metavolcanic and metaplutonic rocks.

PROPERTY GEOLOGY

The main area of exploration interest on the Mick property lies within a panel of Nasina Assemblage metasedimentary rocks and felsic metavolcanic rocks that is emplaced over Nisling Assemblage metasedimentary rocks along a southwest-dipping thrust fault (Figure 4). A highly foliated and sheared serpentinite body is emplaced between two strands of the fault in the northeast corner of the property.

Very little bedrock is exposed on the property. Bedrock mapping is restricted to creek banks in the eastern part of the property, the floors and walls of bulldozer and excavator trenches, and ditches along the Clinton Creek Road. Structure measurements at the various exposures demonstrates that, although bedrock has been deformed by small-scale isoclinal folds, the overall orientation of compositional layering appears to be a homoclinal sequence that strikes north-northwest and dips gently west.

The east half of the property is underlain by graphitic quartz-muscovite phyllite and graphitic quartzite with minor marble that are probably the metamorphosed equivalents of carbonaceous marine clastic sedimentary rocks. This sequence is structurally overlain in the central and west parts of the property by similar rocks with intervals of light brown to golden brown, rusty weathering quartz-muscovite±chlorite schist that are interpreted as metamorphosed intermediate to felsic volcanic units within the dominantly metasedimentary package (Carne, 1991).

MINERALIZATION

Prospecting by Cominco discovered narrow bands of sphalerite and galena mineralization hosted in bedded barite in calcareous graphitic phyllite within soliflucted overburden in bulldozer trenches. A single drill hole intersected a few thin mineralized bands in phyllite but grades were poor, averaging 0.03% lead and 0.34% zinc over 5.2 m. YGC deepened the Cominco bulldozer trenches and Kennecott extended the trenching uphill using an excavator. These programs were not successful at exposing bedrock because of deep, frozen overburden; however, numerous pieces of quartz-muscovite phyllite float mineralized with bands of galena were reported.

HISTORICAL GEOCHEMISTRY

A geochemical compilation of the Mick property is shown on Figure 5. Data includes results of soil geochemical surveys by: Cominco in 1979 and 1980 (Olfert, 1979 and 1980); by YGC Resources in 1990 (Sax and Carne, 1990) and 1991 (Carne, 1991); and Atna Resources in 1995 (Schmidt, 1996). A total of 1269 soil samples have been collected on the property by the various operators.

Based on statistical analysis of the combined geochemical data sets by Schmidt (1996), anomalous thresholds for copper, lead and zinc are set at 31 ppm, 42 ppm and 107 ppm, respectively. Three main areas of multi-element soil geochemical response are present along a three kilometres strike length. The uphill edges of these anomalies lie immediately downslope of the north-south striking contact between the clastic metasedimentary rocks and the overlying sequence of interlayered metavolcanic rocks and metasedimentary rocks.

Anomaly A is 500 m long in a north-south direction and extends downslope for 200 m. Copper, lead and zinc reach maximum values of 86, 785 and 460 ppm, respectively.

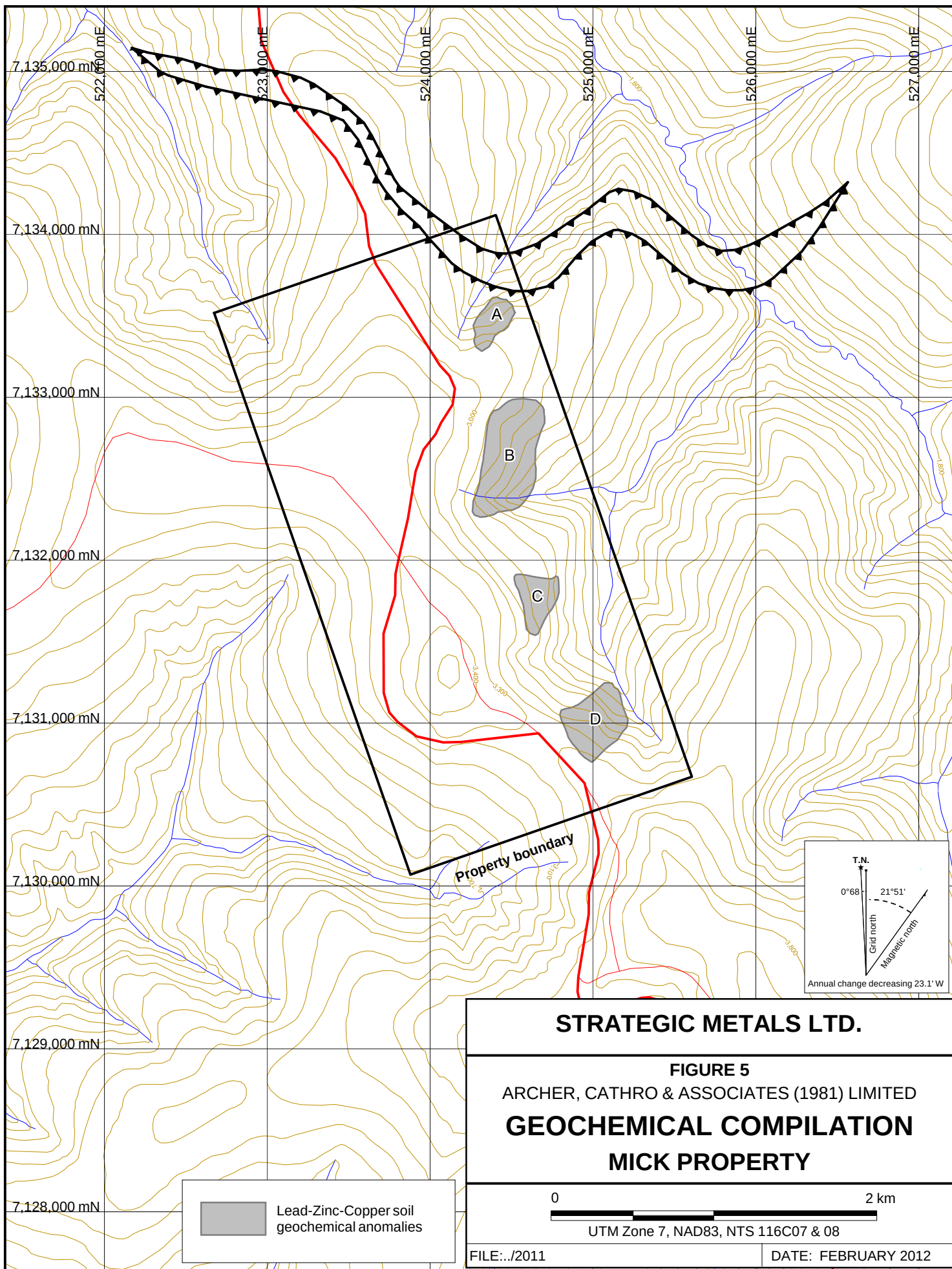
Anomaly B is the largest and most intense of the three. It extends for 750 m along strike and 900 m downslope. Lead and zinc reach maximum values of 1320 and 650 ppm, respectively. The central anomaly is within an area originally sampled by Cominco and copper analyses were not carried out on these samples. The historical drill hole was collared down slope from the top of this anomaly and tested rocks that form the footwall of the apparent source of the anomalous soil response.

Anomaly D extends over 900 m in the north-south strike direction, and 450m downslope to Mickey Creek. Copper, lead and zinc values range as high as 100, 528 and 1230 ppm, respectively.

HISTORICAL GEOPHYSICAL SURVEY

A 2006 helicopter-borne VTEM and magnetometer survey were carried out by Geotech Ltd. of Aurora Ontario. Results from the survey were interpreted by Condor Consulting Inc. of Lakewood, Colorado.

The interpretation of this survey data showed good correlation between magnetic and



electromagnetic response in the northeastern and southwestern parts of the property. The northeastern anomaly is thought to be caused by a graphite-rich unit located lower in the stratigraphic section than the source of the geochemical anomaly. The southwestern anomaly is a larger, more irregular body, which lies higher in the stratigraphic section. This anomaly lies west (down-dip) of the geochemical anomalies and may represent an irregularly shaped sulphide-rich body.

2011 PERCUSSION DRILLING

The 2011 drill program was designed to test a potentially mineralized horizon in the northeastern part of the property (Figure 6). A self-propelled, track-mounted reverse circulation percussion drill contracted from Thorman Drilling Ltd. of Nelson B.C. performed the work. Eight holes totaling 553.22 m were completed by a three person drill crew. Drilling was executed on two section lines oriented perpendicular to geochemical trends.

Pulverized cuttings from the holes were automatically split at the collar, resulting in samples consisting of 12.5% of the cuttings from each 1.52 m interval. The entire sample was sent for analysis. Representative chips from each interval were collected and logged using a binocular microscope. Sampling and analytical procedures are provided in Appendix II while Certificates of Analysis are given in Appendix III. Drill Logs are provided in Appendix IV.

Holes 1 to 6 from the northern section returned slightly elevated values for copper (up to 138 ppm), lead (up to 245 ppm) and zinc (up to 2090 ppm). The best results come from hole 7 on the southern section line, where a sample of intensely oxidized quartz-mica-graphite schist returned 2.8 g/t silver, 0.17% lead, 0.07% zinc over 3.04 m.

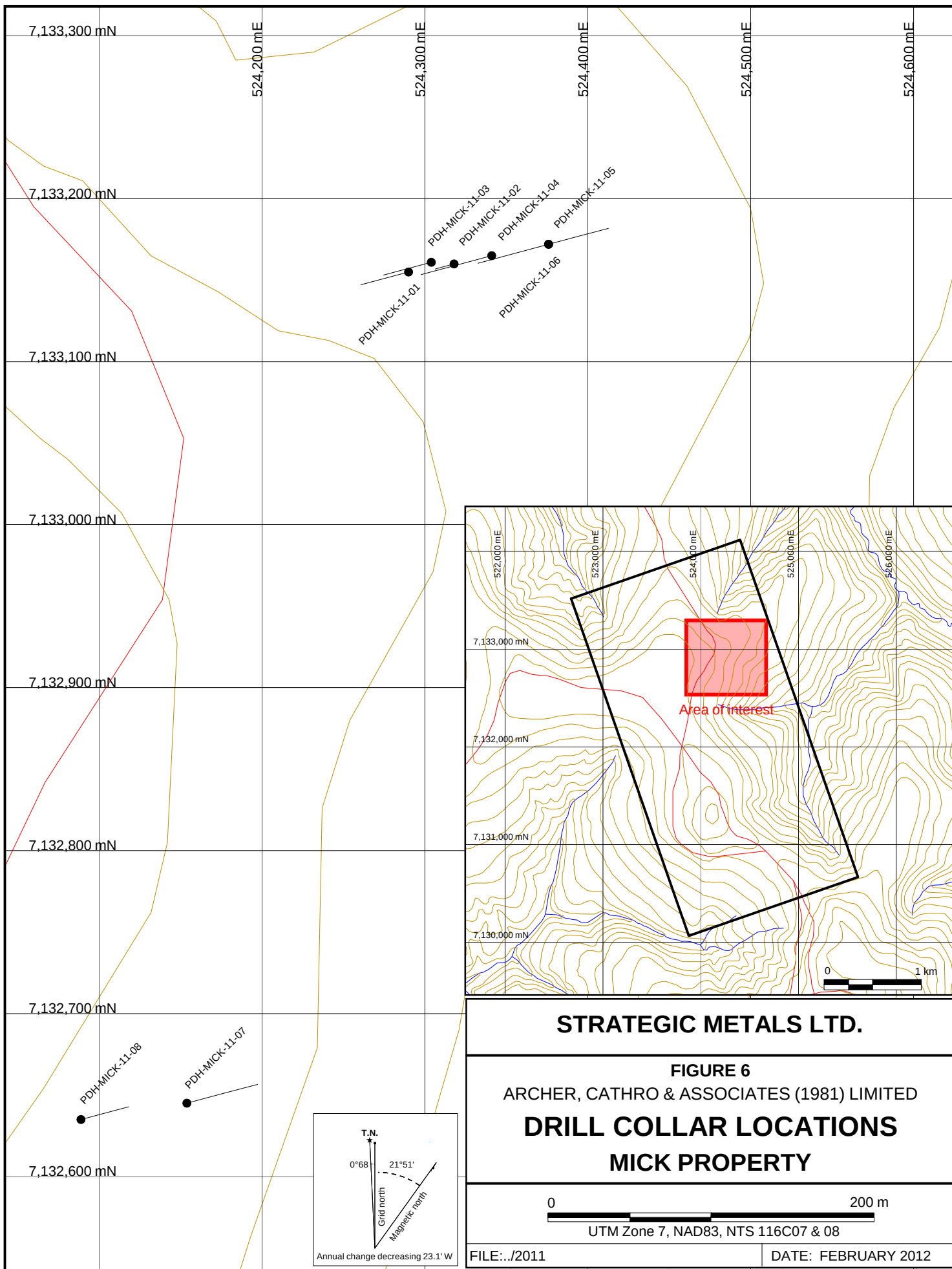
DISCUSSION AND CONCLUSIONS

The Mick property is a VMS prospect that is located within favourable units of Yukon-Tanana Terrane, in a road accessible area of western Yukon Territory.

The Mick area bears many stratigraphic and structural similarities to the Finlayson Lake region of southeast Yukon where a number of economically significant VMS occurrences have been discovered within the past two decades. Restoration of the postulated 425 km of right-lateral, post Middle Cretaceous movement on the Tintina Fault brings the well mineralized Finlayson Lake belt adjacent to the area where the Mick property is located.

Previous exploration on the Mick property has identified moderate to strong multi-element anomalies. These anomalies appear to reflect mineralization in three separate locations within a single stratigraphic horizon that is exposed by erosion along a three kilometre long trend. The source area of one of the geochemical anomalies has been investigated with bulldozer and excavator trenching but deep, frozen overburden prevented exposure of the potential source rocks, which appear to lie at the base of an interlayered sequence of Upper Devonian to Lower Mississippian metamorphosed felsic volcanic rocks and clastic sedimentary rocks.

Percussion drilling confirmed the presence of metal enriched horizons; however, none of the



intercepts was ore grade. Additional drilling will be required to determine the variability and continuity of the VMS horizon along strike and downdip. Reverse circulation drilling has proven to be more cost efficient than diamond drilling and is more effective than mechanical trenches in areas where there is frozen overburden.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Heather Smith, B.Sc., P.Geo.

Radu Avram, B.Sc.

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Sax, K. and Carne, R. C.

1990 Summary report on 1990 exploration, Mickey Creek property; assessment report for YGC Resources Ltd., Yukon Assessment Report 092955.

Schmidt, U.

1996 Report on 1995 grid soil geochemical survey of the Mick property; assessment report for Atna Resources Ltd., Yukon Assessment Report 093461

APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Heather Smith, geologist, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address in Squamish, British Columbia do hereby certify that:

1. I graduated from the University of British Columbia in 2006 with a B. Sc in Geological Sciences.
2. From 2004 to present, I have been actively engaged in mineral exploration in the Yukon Territory, British Columbia and Northwest Territories.
3. I am a Professional Geoscientist (P.Geo.) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 34689).
4. I have personally participated in the fieldwork reported herein.

Heather Smith, B.Sc., P.Geo.

STATEMENT OF QUALIFICATIONS

I, Radu Avram, geologist, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address in Burnaby, British Columbia do hereby certify that:

1. I graduated from the University Babes-Bolyai, Romania, in 1983 with a B. Sc. in Geological and Geophysical Engineering.
2. From 1983 to present, I have been engaged in mineral exploration.
3. I have personally logged the chip samples from the percussion drilling and have interpreted the data.

Radu Avram, B.Sc.

APPENDIX II

SAMPLE HANDLING AND ANALYTICAL PROCEDURE

Preparation of percussion rock chips was carried out at ALS Chemex in Whitehorse, Yukon, where each sample was dried and fine crushed to better than 85% passing 75 micron. The fine fraction was then sent to ALS Chemex in North Vancouver, British Columbia, where splits were analysed for gold using fire assay followed by inductively coupled plasma-atomic emission spectroscopy analysis and for 35 other elements using an aqua regia digestion and inductively coupled plasma-atomic emission spectroscopy analysis (Au-AA24 and ME-ICP41).

APPENDIX III
CERTIFICATES OF ANALYSIS



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ARCHER, CATHRO AND ASSOCIATES (1981)
LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 28- OCT- 2011
Account: F

CERTIFICATE WH11177376

Project: Mick

P.O. No.:

This report is for 195 RC Drill Chip samples submitted to our lab in Whitehorse, YT, Canada on 4- SEP- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SPL- 22Y	Split Sample - Boyd Rotary Splitter
CRU- QC	Crushing QC Test
CRU- 31	Fine crushing - 70% < 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: ARCHER, CATHRO AND ASSOCIATES (1981)
 LIMITED
 1016- 510 W HASTINGS ST
 VANCOUVER BC V6B 1L8

Page: 2 - A
 Total # Pages: 6 (A - C)
 Finalized Date: 28- OCT- 2011
 Account: F

Project: Mick

CERTIFICATE OF ANALYSIS WH11177376

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
L836899		0.97	0.006	0.2	0.71	11	<10	280	<0.5	<2	0.21	1.9	9	18	37	2.96
L836900		2.19	0.007	0.3	0.56	20	<10	220	<0.5	<2	0.16	2.5	11	14	41	2.82
L836901		0.26	<0.005	0.2	0.60	20	<10	180	<0.5	<2	0.16	3.3	10	15	75	3.38
L836902		0.40	0.012	0.2	0.82	13	<10	120	<0.5	<2	0.15	1.8	14	15	41	3.29
L836903		0.59	<0.005	0.4	0.57	16	<10	210	<0.5	<2	0.18	0.7	16	16	43	3.44
L836904		0.63	<0.005	<0.2	0.56	11	<10	380	<0.5	<2	0.21	<0.5	10	14	40	3.19
L836905		0.73	0.005	<0.2	0.50	25	<10	140	<0.5	<2	0.26	<0.5	12	27	41	3.06
L836906		0.81	<0.005	<0.2	0.53	11	<10	130	<0.5	<2	0.31	<0.5	8	14	36	3.32
L836907		0.77	0.015	0.3	0.45	6	<10	160	<0.5	<2	0.36	<0.5	9	14	45	2.71
L836908		0.98	0.012	<0.2	0.54	9	<10	140	<0.5	<2	0.24	<0.5	8	13	40	2.79
L836909		0.67	<0.005	0.3	0.63	9	<10	210	<0.5	<2	0.33	<0.5	7	13	35	2.70
L836910		0.83	<0.005	<0.2	1.07	12	<10	220	<0.5	<2	0.26	<0.5	9	17	35	2.80
L836911		0.97	<0.005	0.2	1.02	10	<10	210	<0.5	<2	0.27	<0.5	9	17	38	2.72
L836912		0.97	<0.005	0.2	0.61	6	<10	220	<0.5	<2	0.42	<0.5	7	15	36	2.97
L836913		0.95	0.012	0.3	0.62	8	<10	220	<0.5	<2	0.45	<0.5	9	14	28	2.64
L836914		0.98	0.045	<0.2	0.57	13	<10	200	<0.5	<2	0.51	<0.5	9	15	34	2.85
L836915		0.87	<0.005	0.2	0.85	12	<10	210	<0.5	<2	0.31	<0.5	11	15	40	2.81
L836916		1.06	<0.005	<0.2	0.77	8	<10	230	<0.5	<2	0.51	<0.5	8	17	38	2.99
L836917		1.07	<0.005	<0.2	0.82	15	<10	250	<0.5	<2	0.50	<0.5	8	15	38	2.93
L836918		1.05	<0.005	<0.2	0.66	21	<10	270	<0.5	<2	0.37	<0.5	8	15	41	2.96
L836919		1.04	0.019	<0.2	0.62	7	<10	270	<0.5	<2	0.51	<0.5	8	14	38	2.92
L836920		1.09	<0.005	<0.2	0.58	2	<10	250	<0.5	<2	0.39	<0.5	7	14	38	2.97
L836921		0.94	0.005	0.2	0.53	15	<10	240	<0.5	<2	0.29	<0.5	11	15	46	3.05
L836922		1.17	0.005	<0.2	0.50	13	<10	370	<0.5	<2	0.13	<0.5	11	13	48	2.60
L836923		0.89	0.006	<0.2	0.45	11	<10	550	<0.5	<2	0.79	<0.5	9	14	38	2.23
L836924		1.39	0.033	<0.2	0.53	4	<10	230	<0.5	<2	0.44	<0.5	9	14	25	2.49
L836925		1.27	<0.005	<0.2	0.41	7	<10	290	<0.5	<2	0.37	<0.5	9	14	28	1.93
L836926		0.99	0.062	<0.2	0.64	2	<10	310	<0.5	<2	0.26	<0.5	8	13	28	2.15
L836927		0.89	0.010	<0.2	0.65	19	<10	470	<0.5	<2	0.29	<0.5	9	13	31	2.53
L836928		1.20	0.008	0.2	0.42	17	<10	1150	<0.5	<2	0.70	<0.5	10	15	47	2.44
L836929		1.05	<0.005	<0.2	0.49	21	<10	340	<0.5	<2	0.39	<0.5	9	16	38	2.59
L836930		0.74	<0.005	<0.2	0.52	11	<10	370	<0.5	<2	0.32	<0.5	7	14	41	2.43
L836931		0.95	<0.005	<0.2	0.48	11	<10	350	<0.5	<2	0.47	<0.5	5	14	41	2.47
L836932		1.25	<0.005	<0.2	0.44	15	<10	350	<0.5	<2	0.56	<0.5	4	14	40	2.23
L836933		1.49	<0.005	<0.2	0.43	9	<10	370	<0.5	<2	0.32	<0.5	5	14	34	2.04
L836934		1.20	<0.005	0.2	0.47	6	<10	350	<0.5	<2	0.35	<0.5	5	15	38	2.40
L836935		0.92	<0.005	<0.2	0.44	5	<10	290	<0.5	<2	0.27	<0.5	8	14	37	2.36
L836936		1.01	0.005	<0.2	0.55	3	<10	340	<0.5	<2	0.28	<0.5	9	18	45	2.76
L836937		0.91	<0.005	<0.2	0.55	8	<10	360	<0.5	<2	0.32	<0.5	7	16	41	2.81
L836938		1.24	<0.005	<0.2	0.66	9	<10	270	<0.5	<2	0.37	<0.5	10	15	35	3.06



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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
L836899		<10	<1	0.27	30	0.13	331	2	0.01	29	780	30	0.04	<2	2	22
L836900		<10	<1	0.31	30	0.05	236	2	0.01	36	760	20	0.06	<2	1	17
L836901		<10	<1	0.30	30	0.07	215	4	0.01	39	890	22	0.02	<2	1	17
L836902		<10	<1	0.23	30	0.19	391	3	0.01	49	730	17	0.02	<2	2	14
L836903		<10	<1	0.31	30	0.05	410	1	0.01	58	870	19	0.02	<2	2	20
L836904		<10	<1	0.36	40	0.05	498	1	0.01	34	960	15	0.07	<2	2	25
L836905		<10	<1	0.31	30	0.12	500	2	0.01	38	870	14	0.13	<2	2	26
L836906		<10	<1	0.32	30	0.27	396	1	0.01	28	980	15	0.07	<2	2	29
L836907		<10	<1	0.31	30	0.19	402	1	0.01	29	620	12	0.12	<2	1	24
L836908		<10	<1	0.31	30	0.20	369	1	0.01	21	650	13	0.11	<2	1	19
L836909		<10	<1	0.34	30	0.28	336	1	0.01	27	880	15	0.05	<2	1	25
L836910		<10	<1	0.36	30	0.38	319	1	0.01	35	840	16	0.06	<2	1	23
L836911		<10	<1	0.33	30	0.38	331	1	0.01	34	820	12	0.08	<2	1	22
L836912		<10	<1	0.32	30	0.34	344	2	0.01	27	830	12	0.09	<2	2	31
L836913		<10	<1	0.33	30	0.33	326	2	0.01	33	900	12	0.09	<2	1	29
L836914		<10	<1	0.31	30	0.35	365	2	0.01	33	840	13	0.09	<2	2	31
L836915		<10	<1	0.32	30	0.36	332	2	0.01	36	770	11	0.07	<2	1	23
L836916		<10	<1	0.33	30	0.39	414	2	0.02	33	820	11	0.08	<2	2	31
L836917		<10	<1	0.36	30	0.40	436	1	0.02	30	880	13	0.11	<2	2	31
L836918		<10	<1	0.36	30	0.29	436	1	0.02	32	910	9	0.09	<2	1	27
L836919		<10	<1	0.36	30	0.30	438	1	0.03	29	900	12	0.15	<2	1	34
L836920		<10	<1	0.33	30	0.16	407	2	0.02	24	780	11	0.16	<2	2	29
L836921		<10	<1	0.30	30	0.10	435	1	0.02	34	710	14	0.13	<2	2	27
L836922		<10	1	0.33	30	0.05	327	1	0.02	33	440	7	0.12	<2	2	17
L836923		<10	<1	0.25	20	0.22	773	1	0.02	28	570	9	0.06	<2	1	33
L836924		<10	<1	0.20	20	0.28	928	1	0.02	31	400	3	0.04	<2	1	20
L836925		<10	<1	0.23	30	0.10	577	2	0.02	35	790	17	0.09	<2	1	22
L836926		<10	<1	0.26	20	0.20	482	1	0.02	30	630	7	0.06	<2	1	18
L836927		<10	<1	0.27	20	0.22	586	1	0.02	29	470	5	0.21	<2	1	16
L836928		<10	<1	0.23	20	0.22	760	1	0.03	28	480	26	0.30	<2	1	32
L836929		<10	<1	0.27	20	0.13	515	4	0.02	33	610	16	0.17	<2	2	27
L836930		<10	<1	0.29	20	0.14	309	2	0.02	29	740	13	0.18	<2	1	26
L836931		<10	<1	0.29	20	0.23	307	2	0.02	24	730	9	0.17	<2	1	33
L836932		<10	<1	0.28	20	0.24	379	2	0.02	15	740	16	0.16	2	1	36
L836933		<10	<1	0.26	20	0.17	251	2	0.02	21	670	20	0.08	<2	1	27
L836934		<10	<1	0.27	20	0.21	280	2	0.02	23	690	19	0.15	<2	2	27
L836935		<10	<1	0.26	20	0.11	268	3	0.02	30	660	13	0.21	2	1	23
L836936		<10	<1	0.29	20	0.12	377	2	0.02	33	600	11	0.23	<2	2	33
L836937		<10	<1	0.30	30	0.26	313	2	0.03	30	800	11	0.14	<2	2	27
L836938		<10	<1	0.36	40	0.34	372	2	0.03	38	950	8	0.10	<2	2	27



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 North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
L836899		<20	0.01	<10	<10	21	<10	401
L836900		<20	<0.01	<10	<10	15	<10	549
L836901		<20	<0.01	<10	<10	16	<10	909
L836902		<20	<0.01	<10	<10	18	<10	685
L836903		<20	<0.01	<10	<10	23	<10	648
L836904		<20	<0.01	<10	<10	20	<10	298
L836905		<20	<0.01	<10	<10	18	<10	127
L836906		<20	<0.01	<10	<10	20	<10	92
L836907		<20	<0.01	<10	<10	15	<10	82
L836908		<20	<0.01	<10	<10	14	<10	62
L836909		<20	<0.01	<10	<10	17	<10	80
L836910		<20	<0.01	<10	<10	20	<10	92
L836911		<20	<0.01	<10	<10	19	<10	92
L836912		<20	<0.01	<10	<10	19	<10	92
L836913		<20	<0.01	<10	<10	18	<10	99
L836914		<20	<0.01	<10	<10	19	<10	96
L836915		<20	<0.01	<10	<10	17	<10	106
L836916		<20	<0.01	<10	<10	20	<10	86
L836917		<20	<0.01	<10	<10	18	<10	142
L836918		<20	<0.01	<10	<10	18	<10	142
L836919		<20	<0.01	<10	<10	18	<10	136
L836920		<20	<0.01	<10	<10	18	<10	91
L836921		<20	<0.01	<10	<10	20	<10	85
L836922		<20	<0.01	<10	<10	11	<10	77
L836923		<20	<0.01	<10	<10	11	<10	244
L836924		<20	<0.01	<10	<10	16	<10	218
L836925		<20	<0.01	<10	<10	11	<10	428
L836926		<20	<0.01	<10	<10	14	<10	182
L836927		<20	<0.01	<10	<10	13	<10	155
L836928		<20	<0.01	<10	<10	12	<10	96
L836929		<20	<0.01	<10	<10	19	<10	106
L836930		<20	<0.01	<10	<10	17	<10	103
L836931		<20	<0.01	<10	<10	17	<10	75
L836932		<20	<0.01	<10	<10	15	<10	71
L836933		<20	<0.01	<10	<10	16	<10	73
L836934		<20	<0.01	<10	<10	20	<10	95
L836935		<20	<0.01	<10	<10	16	<10	96
L836936		<20	<0.01	<10	<10	21	<10	106
L836937		<20	<0.01	<10	<10	22	<10	109
L836938		<20	<0.01	<10	<10	18	<10	123



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North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
L836939		0.89	0.012	<0.2	0.60	5	<10	290	<0.5	<2	0.06	2.4	6	15	36	2.60
L836940		1.78	0.006	<0.2	0.46	5	<10	270	<0.5	<2	0.03	5.1	5	15	37	2.84
L836941		0.89	<0.005	0.2	0.44	4	<10	260	<0.5	<2	0.03	4.6	5	13	33	2.23
L836942		0.64	<0.005	<0.2	0.03	<2	<10	10	<0.5	<2	19.4	<0.5	1	1	<1	0.36
L836943		0.23	<0.005	0.2	0.45	7	<10	270	<0.5	<2	0.11	5.3	4	15	42	2.12
L836944		0.75	<0.005	0.4	0.37	3	<10	310	<0.5	<2	0.10	3.4	3	11	37	1.76
L836945		0.68	0.005	0.2	0.43	10	<10	310	<0.5	<2	0.07	3.1	9	13	31	2.15
L836946		0.65	0.005	0.5	0.41	8	<10	360	<0.5	<2	0.07	2.5	7	12	31	1.99
L836947		0.71	<0.005	0.2	0.49	3	<10	330	<0.5	<2	0.09	2.4	18	12	32	2.36
L836948		0.64	<0.005	<0.2	0.52	3	<10	580	<0.5	<2	0.14	5.2	22	14	54	3.23
L836949		0.75	0.005	0.6	0.41	13	<10	980	<0.5	<2	0.09	2.2	12	14	38	2.55
L836950		1.10	0.008	0.6	0.52	7	<10	210	<0.5	<2	0.10	2.1	11	15	40	2.88
L836951		0.97	0.009	0.7	0.55	10	<10	1700	<0.5	<2	0.12	1.7	13	17	35	2.76
L836952		0.43	<0.005	<0.2	0.62	6	<10	180	<0.5	2	0.17	<0.5	11	14	41	3.18
L836953		1.69	<0.005	0.2	0.54	2	<10	680	<0.5	2	0.15	<0.5	14	16	41	2.92
L836954		0.84	<0.005	0.2	0.60	7	<10	240	<0.5	2	0.17	<0.5	11	15	40	2.92
L836955		0.98	<0.005	0.2	0.51	6	<10	160	<0.5	2	0.15	<0.5	9	16	33	2.76
L836956		0.77	<0.005	0.4	0.55	8	<10	360	<0.5	<2	0.10	3.8	6	14	66	2.47
L836957		1.16	0.005	0.4	0.58	20	<10	260	<0.5	<2	0.09	6.9	7	20	138	3.42
L836958		0.55	0.010	0.4	0.58	24	<10	200	<0.5	2	0.05	8.7	8	18	128	4.17
L836959		0.48	0.005	0.4	0.45	9	<10	240	<0.5	2	0.04	8.0	6	13	61	3.49
L836960		0.41	<0.005	0.6	0.31	4	<10	260	<0.5	2	0.06	3.3	2	12	31	1.51
L836961		0.54	0.005	0.7	0.33	6	<10	160	<0.5	2	0.08	3.5	2	13	32	1.44
L836962		0.69	<0.005	0.5	0.34	6	<10	170	<0.5	3	0.08	3.7	5	12	29	1.46
L836963		0.51	<0.005	0.3	0.55	8	<10	270	<0.5	3	0.07	18.6	23	15	49	3.66
L836964		0.73	0.007	0.4	0.57	15	<10	230	<0.5	3	0.12	19.6	29	15	63	3.98
L836965		0.68	0.024	<0.2	0.56	21	<10	260	<0.5	2	0.10	16.2	26	13	49	3.56
L836966		0.55	<0.005	<0.2	0.41	19	<10	190	<0.5	<2	0.06	5.9	11	11	35	2.11
L836967		0.66	<0.005	<0.2	0.61	21	<10	220	<0.5	3	0.14	10.7	29	14	57	4.59
L836968		0.72	<0.005	<0.2	0.59	<2	<10	210	<0.5	<2	0.12	6.1	19	13	71	4.45
L836969		0.81	0.006	<0.2	0.68	3	<10	260	<0.5	2	0.13	2.6	16	15	98	5.47
L836970		0.63	<0.005	<0.2	0.68	11	<10	310	<0.5	<2	0.16	<0.5	20	13	70	4.61
L836971		0.58	<0.005	<0.2	0.37	8	<10	200	<0.5	3	0.09	1.5	8	12	33	1.78
L836972		0.81	<0.005	0.2	0.39	5	<10	180	<0.5	3	0.10	3.3	11	13	44	2.32
L836973		0.63	<0.005	0.3	0.46	4	<10	310	<0.5	3	0.13	3.0	13	15	32	2.17
L836974		0.94	<0.005	0.4	0.43	6	<10	330	<0.5	3	0.14	2.1	13	13	30	2.20
L836975		0.84	<0.005	0.2	0.48	4	<10	330	<0.5	3	0.14	1.8	12	14	31	2.39
L836976		0.83	0.010	0.2	0.37	13	<10	280	<0.5	2	0.11	1.5	9	12	25	1.87
L836977		0.78	<0.005	<0.2	0.45	7	<10	420	<0.5	2	0.13	<0.5	10	14	31	2.44
L836978		0.79	<0.005	<0.2	0.50	7	<10	350	<0.5	<2	0.47	<0.5	9	11	41	2.84



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North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
L836939		<10	<1	0.26	20	0.07	193	1	0.03	24	430	103	0.02	<2	2	13
L836940		<10	<1	0.25	30	0.02	141	2	0.03	22	500	19	0.03	<2	2	14
L836941		<10	<1	0.23	30	0.03	140	<1	0.01	21	460	15	0.02	<2	1	12
L836942		<10	<1	0.02	<10	11.35	186	<1	0.01	1	220	<2	0.01	2	<1	49
L836943		<10	<1	0.23	20	0.06	159	<1	<0.01	23	510	36	0.01	2	1	11
L836944		<10	1	0.22	20	0.04	86	<1	0.01	13	500	84	0.03	<2	1	15
L836945		<10	<1	0.23	20	0.04	400	<1	0.01	28	520	18	0.01	<2	1	13
L836946		<10	1	0.25	20	0.03	442	<1	0.01	27	510	123	0.03	2	1	16
L836947		<10	<1	0.24	20	0.08	1395	<1	0.01	48	520	14	0.02	<2	1	21
L836948		<10	<1	0.27	30	0.04	2200	1	0.01	69	890	27	0.01	3	2	25
L836949		<10	<1	0.21	20	0.03	776	1	0.01	47	610	206	0.03	2	1	17
L836950		<10	1	0.23	30	0.03	729	1	0.01	40	720	211	0.01	<2	2	17
L836951		<10	1	0.26	20	0.04	1135	1	0.01	44	670	245	0.05	3	2	23
L836952		<10	<1	0.33	30	0.05	377	2	0.01	43	870	27	0.02	2	2	21
L836953		<10	<1	0.32	30	0.05	689	4	0.01	46	780	27	0.03	<2	1	21
L836954		<10	<1	0.33	30	0.07	330	2	0.01	39	900	39	0.02	<2	2	22
L836955		<10	<1	0.31	30	0.05	402	2	0.01	33	720	18	0.01	2	1	18
L836956		<10	<1	0.26	20	0.05	199	2	0.01	27	700	75	<0.01	<2	2	15
L836957		<10	<1	0.20	30	0.03	158	3	0.01	35	890	200	0.01	2	2	17
L836958		<10	<1	0.20	30	0.02	166	3	0.01	40	790	176	0.01	<2	3	12
L836959		<10	<1	0.25	30	0.02	166	3	0.01	26	700	215	0.01	<2	2	14
L836960		<10	<1	0.18	10	0.02	85	2	0.01	12	510	269	0.02	<2	1	15
L836961		<10	1	0.20	10	0.02	88	2	0.01	12	590	363	0.01	2	1	14
L836962		<10	<1	0.22	10	0.02	253	2	0.01	16	580	296	<0.01	<2	1	11
L836963		<10	<1	0.30	30	0.03	1785	2	0.01	55	680	56	<0.01	2	2	14
L836964		<10	<1	0.30	40	0.04	2110	3	0.01	71	780	49	0.01	<2	2	16
L836965		<10	<1	0.32	40	0.03	1535	3	0.01	67	690	12	0.01	<2	2	15
L836966		<10	<1	0.22	20	0.03	440	2	0.01	29	400	14	0.01	<2	1	12
L836967		<10	<1	0.27	40	0.03	1935	3	0.02	73	900	20	0.02	2	3	17
L836968		<10	<1	0.32	40	0.03	968	3	0.01	55	820	14	0.01	<2	2	16
L836969		<10	<1	0.35	50	0.04	564	4	0.01	47	990	13	0.02	<2	3	21
L836970		<10	<1	0.38	40	0.04	1490	3	0.01	51	940	18	0.01	<2	3	22
L836971		<10	<1	0.24	20	0.02	646	2	0.01	23	440	8	0.01	<2	1	11
L836972		<10	<1	0.23	20	0.02	634	2	0.01	32	520	10	0.01	<2	1	12
L836973		<10	<1	0.25	20	0.04	660	2	0.01	46	600	34	0.03	<2	1	15
L836974		<10	<1	0.27	20	0.04	575	3	0.01	45	660	26	0.07	<2	1	16
L836975		<10	<1	0.28	20	0.06	521	2	<0.01	47	650	16	0.04	<2	1	16
L836976		<10	<1	0.24	20	0.03	430	2	0.01	28	510	7	0.05	<2	1	14
L836977		<10	<1	0.21	20	0.05	490	2	0.01	31	520	13	0.06	<2	2	16
L836978		<10	<1	0.29	20	0.17	728	2	0.01	29	740	13	0.09	2	2	32



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 North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
L836939		<20	0.01	<10	<10	17	<10	593
L836940		<20	<0.01	<10	<10	13	<10	817
L836941		<20	<0.01	<10	<10	13	<10	760
L836942		<20	<0.01	<10	10	1	<10	17
L836943		<20	<0.01	<10	<10	13	<10	962
L836944		<20	<0.01	<10	<10	11	<10	494
L836945		<20	<0.01	<10	<10	13	<10	680
L836946		<20	<0.01	<10	<10	12	<10	756
L836947		<20	<0.01	<10	<10	13	<10	807
L836948		<20	<0.01	<10	<10	22	<10	1190
L836949		<20	<0.01	<10	<10	18	<10	756
L836950		<20	<0.01	<10	<10	24	<10	796
L836951		<20	<0.01	<10	<10	24	<10	688
L836952		<20	<0.01	<10	<10	21	<10	196
L836953		<20	<0.01	<10	<10	21	<10	154
L836954		<20	<0.01	<10	<10	21	<10	180
L836955		<20	<0.01	<10	<10	17	<10	109
L836956		<20	0.01	<10	<10	18	<10	602
L836957		<20	<0.01	<10	<10	16	<10	1115
L836958		<20	<0.01	<10	<10	17	<10	1515
L836959		<20	<0.01	<10	<10	14	<10	1225
L836960		<20	<0.01	<10	<10	13	<10	572
L836961		<20	<0.01	<10	<10	13	<10	606
L836962		<20	<0.01	<10	<10	12	<10	742
L836963		<20	<0.01	<10	<10	14	<10	2190
L836964		<20	<0.01	<10	<10	13	<10	2070
L836965		<20	<0.01	<10	<10	12	<10	1695
L836966		<20	<0.01	<10	<10	8	<10	722
L836967		20	<0.01	<10	<10	14	<10	2090
L836968		20	<0.01	<10	<10	13	<10	1195
L836969		20	<0.01	<10	<10	15	<10	956
L836970		20	<0.01	<10	<10	14	<10	528
L836971		<20	<0.01	<10	<10	7	<10	387
L836972		<20	<0.01	<10	<10	8	<10	783
L836973		<20	<0.01	<10	<10	14	<10	1040
L836974		<20	<0.01	<10	<10	14	<10	793
L836975		<20	<0.01	<10	<10	14	<10	904
L836976		<20	<0.01	<10	<10	11	<10	718
L836977		<20	<0.01	<10	<10	16	<10	372
L836978		<20	<0.01	<10	<10	17	<10	146



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 North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
L836979		1.21	<0.005	<0.2	0.54	18	<10	230	<0.5	2	0.27	<0.5	18	14	54	3.71
L836980		0.57	<0.005	<0.2	0.45	13	<10	230	<0.5	<2	0.55	0.8	14	12	33	2.86
L836981		1.08	0.006	<0.2	0.48	20	<10	220	<0.5	2	0.18	0.9	10	15	28	2.86
L836982		1.08	<0.005	<0.2	0.61	17	<10	260	<0.5	2	1.48	<0.5	12	16	26	3.52
L836983		0.51	<0.005	<0.2	0.03	<2	<10	10	<0.5	<2	18.8	<0.5	<1	1	<1	0.40
L836984		0.94	<0.005	<0.2	0.61	8	<10	230	<0.5	2	1.87	<0.5	13	14	30	3.23
L836985		0.86	<0.005	<0.2	0.70	7	<10	250	<0.5	2	1.72	<0.5	15	15	47	3.74
L836986		0.98	<0.005	<0.2	0.48	9	<10	270	<0.5	2	0.54	<0.5	11	14	42	2.53
L836987		0.86	<0.005	<0.2	0.45	7	<10	290	<0.5	2	0.57	<0.5	11	16	32	2.38
L836988		1.10	<0.005	<0.2	0.45	6	<10	180	<0.5	<2	0.45	<0.5	10	15	38	2.50
L836989		0.76	<0.005	0.2	0.66	6	<10	190	<0.5	<2	1.42	<0.5	12	12	39	3.12
L836990		0.93	<0.005	<0.2	0.70	2	<10	130	<0.5	<2	0.24	<0.5	9	22	43	3.08
L836991		0.94	0.114	<0.2	0.57	17	<10	190	<0.5	<2	0.24	<0.5	16	15	49	2.37
L836992		1.43	0.019	<0.2	0.34	3	<10	130	<0.5	<2	0.22	<0.5	4	16	27	1.50
L836993		1.44	<0.005	<0.2	0.56	6	<10	200	<0.5	<2	0.51	<0.5	20	14	55	3.69
L836994		0.73	0.013	<0.2	0.48	4	<10	210	<0.5	<2	0.75	<0.5	11	13	38	2.53
L836995		0.87	<0.005	<0.2	0.44	7	<10	200	<0.5	<2	0.53	<0.5	7	13	26	2.16
L836996		0.94	<0.005	<0.2	0.67	22	<10	220	<0.5	<2	0.67	<0.5	10	17	23	3.07
L836997		0.95	<0.005	<0.2	1.08	10	<10	440	<0.5	<2	0.15	0.6	6	20	27	2.49
L836998		1.78	<0.005	<0.2	1.00	8	<10	170	<0.5	<2	0.13	0.6	4	16	25	2.20
L836999		0.96	0.007	0.2	1.10	6	<10	730	<0.5	<2	0.18	1.0	5	17	109	2.72
L837000		0.61	0.009	0.3	0.99	6	<10	340	<0.5	<2	0.16	1.2	5	20	63	3.01
L837051		0.49	0.005	0.2	1.20	4	<10	1030	<0.5	<2	0.16	0.8	6	25	59	3.34
L837052		0.68	<0.005	<0.2	1.35	4	<10	320	<0.5	<2	0.16	1.2	6	23	42	3.42
L837053		0.80	<0.005	<0.2	1.27	10	<10	280	<0.5	<2	0.13	<0.5	6	22	45	3.29
L837054		0.68	<0.005	<0.2	1.32	10	<10	280	<0.5	<2	0.14	0.6	4	22	20	3.13
L837055		0.72	0.014	0.9	1.34	10	<10	200	<0.5	<2	0.13	0.6	5	23	37	3.07
L837056		0.80	<0.005	<0.2	1.33	5	<10	270	<0.5	<2	0.14	0.7	6	23	54	3.15
L837057		1.30	0.006	0.2	1.23	5	<10	280	<0.5	<2	0.13	<0.5	8	25	80	3.19
L837058		1.06	0.032	0.2	1.35	4	<10	390	<0.5	2	0.15	<0.5	8	25	72	3.19
L837059		1.25	0.018	<0.2	1.30	4	<10	320	<0.5	<2	0.15	0.5	7	25	68	3.18
L837060		1.09	<0.005	<0.2	1.02	6	<10	280	<0.5	<2	0.11	<0.5	10	21	74	2.95
L837061		0.89	<0.005	<0.2	1.20	8	<10	280	<0.5	<2	0.13	<0.5	17	17	87	4.14
L837062		0.75	<0.005	0.6	0.58	5	<10	530	<0.5	<2	0.08	<0.5	14	16	63	3.42
L837063		1.08	<0.005	0.2	0.73	10	<10	300	<0.5	<2	0.14	<0.5	11	17	56	3.12
L837064		1.23	<0.005	0.2	0.79	14	<10	220	<0.5	<2	0.17	<0.5	15	15	42	3.25
L837065		1.26	<0.005	0.2	0.71	9	<10	490	<0.5	<2	0.16	4.4	31	16	56	3.82
L837066		0.89	<0.005	0.6	0.92	9	<10	370	<0.5	<2	0.15	0.7	31	16	53	3.85
L837067		1.11	<0.005	<0.2	1.36	13	<10	430	<0.5	<2	0.18	<0.5	19	23	42	3.49
L837068		1.18	<0.005	<0.2	1.05	5	<10	330	<0.5	<2	0.13	<0.5	10	18	29	2.63



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 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
L836979		<10	<1	0.35	40	0.08	538	3	0.01	42	940	21	0.22	<2	2	24
L836980		<10	<1	0.27	30	0.16	1105	1	0.01	36	510	31	0.25	3	2	24
L836981		<10	<1	0.25	20	0.07	667	2	0.01	28	370	28	0.22	2	1	15
L836982		<10	<1	0.28	30	0.46	1270	1	0.01	29	510	20	0.09	<2	2	76
L836983		<10	1	0.02	<10	11.70	200	<1	<0.01	<1	190	2	<0.01	<2	<1	46
L836984		<10	<1	0.28	30	0.44	1415	2	0.01	28	520	19	0.15	<2	2	84
L836985		<10	1	0.34	40	0.50	1530	2	0.01	33	720	32	0.27	<2	2	78
L836986		<10	<1	0.28	30	0.19	804	2	0.01	24	570	7	0.18	<2	2	30
L836987		<10	<1	0.23	20	0.21	1040	2	0.01	29	420	6	0.07	2	2	31
L836988		<10	<1	0.24	20	0.17	889	2	0.01	27	400	10	0.13	<2	2	24
L836989		<10	<1	0.33	30	0.14	1035	2	0.02	27	670	123	0.17	<2	2	81
L836990		<10	<1	0.16	20	0.17	703	2	0.02	19	500	14	0.11	<2	2	21
L836991		<10	<1	0.33	30	0.12	773	3	0.01	32	560	7	0.04	<2	1	20
L836992		<10	<1	0.20	10	0.08	326	2	0.01	10	360	7	0.08	<2	1	14
L836993		<10	<1	0.32	30	0.09	1165	2	0.01	40	600	10	0.40	<2	2	28
L836994		<10	<1	0.30	30	0.15	573	2	0.01	27	480	8	0.40	<2	2	33
L836995		<10	<1	0.30	30	0.13	487	2	0.01	17	490	9	0.17	<2	1	26
L836996		<10	<1	0.31	30	0.27	610	2	0.01	33	960	10	0.10	<2	1	45
L836997		<10	<1	0.27	30	0.31	252	2	0.02	21	610	87	0.02	<2	2	18
L836998		<10	<1	0.30	30	0.32	162	2	0.01	16	630	34	0.01	<2	1	16
L836999		<10	<1	0.29	30	0.31	172	3	0.01	25	840	34	0.03	<2	2	21
L837000		<10	<1	0.27	30	0.26	154	2	0.01	23	740	24	0.02	<2	2	18
L837051		<10	<1	0.35	30	0.32	165	2	0.01	32	870	15	0.04	<2	2	23
L837052		<10	<1	0.34	30	0.46	174	2	0.01	30	900	14	0.04	<2	2	24
L837053		<10	<1	0.34	30	0.39	137	2	0.01	37	870	14	0.06	2	2	25
L837054		<10	<1	0.34	30	0.46	164	2	0.02	19	860	11	0.05	<2	1	22
L837055		<10	<1	0.28	30	0.43	135	2	0.01	24	830	127	0.12	<2	2	23
L837056		<10	<1	0.33	30	0.44	165	2	0.01	31	830	17	0.11	<2	1	22
L837057		<10	<1	0.31	30	0.40	172	2	0.01	40	770	22	0.11	<2	2	20
L837058		<10	<1	0.36	30	0.46	176	3	0.01	39	840	16	0.09	2	2	23
L837059		<10	<1	0.34	30	0.44	182	2	0.01	36	820	20	0.09	<2	2	23
L837060		<10	<1	0.32	30	0.25	200	2	0.01	48	810	38	0.07	<2	2	17
L837061		<10	<1	0.33	30	0.32	312	2	0.01	73	960	84	0.11	<2	2	18
L837062		<10	<1	0.27	20	0.10	350	2	0.01	56	700	268	0.11	2	2	18
L837063		<10	<1	0.37	30	0.08	179	2	0.01	40	880	31	0.09	<2	2	28
L837064		<10	<1	0.34	40	0.15	277	1	0.01	52	980	30	0.05	<2	2	20
L837065		<10	<1	0.29	30	0.11	1730	2	0.01	92	840	146	0.07	<2	2	20
L837066		<10	<1	0.30	30	0.22	723	2	0.01	96	800	135	0.06	<2	2	19
L837067		<10	<1	0.38	40	0.41	761	2	0.01	58	880	26	0.07	<2	2	23
L837068		<10	<1	0.30	30	0.30	233	2	0.01	33	660	12	0.06	<2	1	24



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
L836979		20	<0.01	<10	<10	13	<10	124
L836980		<20	<0.01	<10	<10	12	<10	418
L836981		<20	<0.01	<10	<10	13	<10	367
L836982		20	<0.01	<10	<10	14	<10	108
L836983		<20	<0.01	<10	<10	2	<10	19
L836984		<20	<0.01	<10	<10	12	<10	96
L836985		20	<0.01	<10	<10	13	<10	106
L836986		<20	<0.01	<10	<10	10	<10	88
L836987		<20	<0.01	<10	<10	11	<10	163
L836988		<20	<0.01	<10	<10	11	<10	126
L836989		<20	<0.01	<10	<10	11	<10	79
L836990		<20	<0.01	<10	<10	14	<10	70
L836991		<20	<0.01	<10	<10	10	<10	82
L836992		<20	<0.01	<10	<10	7	<10	34
L836993		<20	<0.01	<10	<10	12	<10	86
L836994		<20	<0.01	<10	<10	12	<10	95
L836995		<20	<0.01	<10	<10	11	<10	57
L836996		<20	<0.01	<10	<10	17	<10	106
L836997		<20	0.01	<10	<10	21	<10	203
L836998		<20	<0.01	<10	<10	15	<10	151
L836999		<20	<0.01	<10	<10	24	<10	240
L837000		<20	<0.01	<10	<10	29	<10	255
L837051		<20	<0.01	<10	<10	40	<10	299
L837052		<20	<0.01	<10	<10	32	<10	223
L837053		<20	<0.01	<10	<10	33	<10	205
L837054		<20	0.01	<10	<10	25	<10	149
L837055		<20	<0.01	<10	<10	27	<10	165
L837056		<20	0.01	<10	<10	29	<10	166
L837057		<20	0.01	<10	<10	30	<10	178
L837058		<20	0.01	<10	<10	34	<10	153
L837059		<20	<0.01	<10	<10	33	<10	168
L837060		<20	<0.01	<10	<10	29	<10	253
L837061		<20	<0.01	<10	<10	26	<10	368
L837062		<20	<0.01	<10	<10	21	<10	428
L837063		<20	<0.01	<10	<10	28	<10	254
L837064		<20	<0.01	<10	<10	23	<10	420
L837065		<20	<0.01	<10	<10	24	<10	1080
L837066		<20	<0.01	<10	<10	25	<10	648
L837067		<20	<0.01	<10	<10	26	<10	291
L837068		<20	<0.01	<10	<10	18	<10	163



ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7

Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
L837069		1.16	<0.005	<0.2	1.24	13	<10	470	<0.5	<2	0.19	<0.5	14	20	32	3.12
L837070		1.23	0.005	0.2	1.24	9	<10	550	<0.5	<2	0.21	<0.5	18	20	41	3.25
L837071		1.36	<0.005	<0.2	1.29	8	<10	270	<0.5	<2	0.19	<0.5	16	19	40	3.22
L837072		0.51	<0.005	<0.2	0.04	3	<10	10	<0.5	<2	18.5	<0.5	2	<1	<1	0.43
L837073		1.20	0.009	0.2	1.28	6	<10	210	<0.5	<2	0.25	<0.5	13	21	33	2.98
L837074		1.03	<0.005	<0.2	1.50	9	<10	250	<0.5	<2	0.22	<0.5	12	21	37	3.46
L837075		1.96	<0.005	<0.2	1.29	10	<10	200	<0.5	<2	0.18	<0.5	12	20	39	3.05
L837076		1.25	<0.005	0.2	1.29	15	<10	250	<0.5	<2	0.18	<0.5	12	19	46	3.19
L837077		1.29	0.017	0.2	1.26	10	<10	220	<0.5	<2	0.20	0.9	14	20	43	3.06
L837078		1.67	<0.005	<0.2	1.33	10	<10	270	<0.5	<2	0.28	0.8	13	20	37	3.10
L837079		1.83	0.075	<0.2	0.43	4	<10	150	<0.5	<2	0.13	<0.5	5	7	15	1.28
L837080		1.46	<0.005	0.6	1.05	4	<10	490	<0.5	<2	0.19	<0.5	12	20	59	2.84
L837081		1.65	<0.005	<0.2	1.13	6	<10	290	<0.5	<2	0.21	0.9	11	19	38	3.09
L837082		1.09	<0.005	<0.2	1.31	6	<10	240	<0.5	<2	0.28	<0.5	9	20	49	3.16
L837083		1.29	<0.005	<0.2	1.16	8	<10	210	<0.5	<2	0.25	<0.5	10	18	40	2.88
L837084		1.25	<0.005	<0.2	1.31	4	<10	250	<0.5	<2	0.19	<0.5	9	18	36	3.08
L837085		1.06	<0.005	<0.2	1.36	2	<10	270	<0.5	<2	0.18	<0.5	9	20	42	3.00
L837086		1.70	<0.005	0.2	1.32	7	<10	260	<0.5	<2	0.23	<0.5	9	21	33	2.85
L837087		1.35	<0.005	0.2	0.98	3	<10	210	<0.5	<2	0.51	0.6	9	14	27	2.56
L837088		1.28	<0.005	<0.2	1.02	8	<10	230	<0.5	<2	0.33	0.5	9	13	25	2.56
L837089		1.18	<0.005	<0.2	1.18	4	<10	270	<0.5	<2	0.60	<0.5	9	16	32	2.61
L837090		1.77	<0.005	<0.2	1.22	6	<10	240	<0.5	<2	0.43	<0.5	7	16	24	2.61
L837091		1.25	0.006	<0.2	1.14	2	<10	270	<0.5	<2	0.41	0.5	10	17	33	2.70
L837092		1.35	<0.005	0.2	1.02	5	<10	300	<0.5	<2	0.22	<0.5	10	17	37	2.44
L837093		1.42	<0.005	<0.2	1.08	2	<10	340	<0.5	<2	0.19	<0.5	9	18	48	2.58
L837094		1.54	<0.005	0.4	1.08	10	<10	370	<0.5	<2	0.17	<0.5	10	18	41	2.66
L837095		1.67	<0.005	0.3	0.81	2	<10	360	<0.5	<2	0.15	0.5	9	10	20	2.57
K837096		1.05	<0.005	<0.2	1.21	4	<10	500	<0.5	<2	0.16	<0.5	10	16	33	2.88
L837097		1.05	<0.005	<0.2	1.16	5	<10	540	<0.5	2	0.19	<0.5	9	18	33	2.62
L837098		0.83	<0.005	0.2	1.03	8	<10	350	<0.5	<2	0.21	<0.5	10	16	44	2.61
L837099		1.55	<0.005	<0.2	0.89	22	<10	290	<0.5	<2	0.30	<0.5	8	17	26	2.24
L837100		1.16	<0.005	<0.2	0.93	6	<10	210	<0.5	<2	0.21	<0.5	8	15	29	2.27
L837101		1.48	0.017	0.4	0.78	5	<10	190	<0.5	<2	0.52	<0.5	7	15	26	1.97
L837102		0.79	<0.005	0.2	1.22	8	<10	210	<0.5	<2	0.23	<0.5	10	18	34	2.73
L837103		1.29	<0.005	0.2	1.15	10	<10	340	<0.5	<2	0.38	<0.5	10	12	28	2.98
L837104		1.08	<0.005	<0.2	1.25	11	<10	260	<0.5	<2	0.35	<0.5	10	13	30	3.06
L837105		0.97	<0.005	0.2	0.93	6	<10	240	<0.5	<2	0.17	<0.5	10	17	60	3.01
L837106		1.28	0.017	0.2	1.05	7	<10	240	<0.5	<2	0.20	<0.5	10	18	61	3.02
L837107		1.46	0.010	<0.2	1.20	8	<10	280	<0.5	<2	0.19	<0.5	8	20	51	2.98
L837108		0.57	<0.005	<0.2	0.04	<2	<10	20	<0.5	<2	17.9	<0.5	1	1	<1	0.37



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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 1016- 510 W HASTINGS ST
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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
L837069		<10	<1	0.36	30	0.34	268	2	0.01	48	890	15	0.06	<2	2	24
L837070		<10	<1	0.35	30	0.35	315	1	0.01	48	960	16	0.07	2	2	23
L837071		<10	<1	0.35	30	0.41	543	2	0.01	41	830	15	0.06	<2	2	22
L837072		<10	<1	0.02	<10	11.70	188	<1	0.02	<1	170	2	0.03	<2	<1	44
L837073		<10	<1	0.34	30	0.43	722	2	0.01	32	780	34	0.06	<2	2	23
L837074		<10	<1	0.35	30	0.54	531	2	0.01	36	850	21	0.05	<2	2	24
L837075		<10	<1	0.34	30	0.37	381	2	0.01	36	780	17	0.07	<2	2	24
L837076		<10	<1	0.32	30	0.41	587	2	0.01	40	810	27	0.08	<2	2	22
L837077		<10	<1	0.33	30	0.39	904	2	0.01	40	830	19	0.08	2	2	24
L837078		<10	<1	0.38	30	0.43	877	1	0.01	36	900	15	0.09	<2	2	31
L837079		<10	<1	0.15	10	0.13	357	1	<0.01	14	230	15	0.06	<2	1	13
L837080		<10	<1	0.36	30	0.31	743	2	0.01	39	810	108	0.21	2	2	23
L837081		<10	<1	0.30	30	0.38	671	2	0.01	33	820	29	0.14	<2	1	22
L837082		<10	<1	0.34	30	0.44	685	2	0.01	32	920	14	0.05	2	2	26
L837083		<10	<1	0.33	30	0.35	385	1	0.01	34	870	12	0.10	<2	2	23
L837084		<10	<1	0.33	30	0.47	397	1	0.01	29	720	11	0.06	2	1	20
L837085		<10	<1	0.39	30	0.46	302	1	0.01	29	790	16	0.07	<2	1	22
L837086		<10	<1	0.37	30	0.45	256	2	0.01	28	800	16	0.07	<2	1	23
L837087		<10	<1	0.22	20	0.35	467	2	0.02	21	500	21	0.21	<2	1	49
L837088		<10	<1	0.22	20	0.38	413	1	0.02	21	550	20	0.18	<2	1	32
L837089		<10	<1	0.34	30	0.42	430	1	0.02	23	580	23	0.12	2	1	63
L837090		<10	<1	0.32	30	0.45	414	2	0.01	25	600	17	0.06	<2	1	29
L837091		<10	<1	0.33	20	0.39	540	1	0.01	31	650	31	0.12	<2	1	37
L837092		<10	<1	0.31	20	0.35	320	1	0.01	31	720	24	0.17	<2	1	21
L837093		<10	<1	0.32	20	0.39	335	2	0.01	33	710	30	0.19	<2	1	18
L837094		<10	<1	0.28	20	0.41	298	2	0.01	31	700	76	0.26	<2	1	16
L837095		<10	<1	0.21	10	0.32	355	1	0.01	22	400	104	0.52	<2	1	22
K837096		<10	<1	0.32	20	0.43	284	1	0.01	28	630	26	0.39	<2	1	16
L837097		<10	<1	0.35	20	0.36	381	1	0.01	34	670	21	0.19	<2	1	17
L837098		<10	<1	0.27	20	0.34	495	2	0.01	32	710	20	0.26	<2	1	18
L837099		<10	<1	0.26	20	0.28	327	1	0.02	24	540	23	0.17	<2	1	28
L837100		<10	<1	0.24	20	0.30	342	1	0.01	25	600	22	0.14	<2	1	18
L837101		<10	<1	0.25	20	0.25	355	1	0.01	22	580	50	0.13	<2	1	31
L837102		<10	<1	0.33	30	0.39	366	1	0.01	34	880	13	0.13	<2	2	22
L837103		<10	<1	0.25	20	0.41	561	1	0.01	20	620	25	0.21	<2	2	25
L837104		<10	<1	0.30	20	0.47	539	1	0.01	22	600	21	0.17	<2	2	24
L837105		<10	<1	0.28	20	0.30	427	4	0.01	36	640	15	0.36	<2	1	17
L837106		<10	<1	0.30	20	0.37	470	3	0.01	37	700	22	0.38	<2	2	20
L837107		<10	<1	0.32	20	0.45	384	2	0.01	32	750	15	0.17	<2	1	21
L837108		<10	<1	0.02	<10	11.35	162	<1	0.01	<1	290	2	0.01	<2	<1	46



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
L837069		<20	<0.01	<10	<10	22	<10	170
L837070		<20	<0.01	<10	<10	23	<10	193
L837071		<20	<0.01	<10	<10	22	<10	145
L837072		<20	<0.01	<10	<10	1	<10	17
L837073		<20	<0.01	<10	<10	23	<10	110
L837074		<20	<0.01	<10	<10	26	<10	163
L837075		<20	<0.01	<10	<10	27	<10	130
L837076		<20	<0.01	<10	<10	26	<10	217
L837077		<20	<0.01	<10	<10	25	<10	248
L837078		<20	0.01	<10	<10	28	<10	210
L837079		<20	<0.01	<10	<10	8	<10	67
L837080		<20	<0.01	<10	<10	27	<10	180
L837081		<20	<0.01	<10	<10	20	<10	279
L837082		<20	<0.01	<10	<10	27	<10	105
L837083		<20	<0.01	<10	<10	22	<10	109
L837084		<20	<0.01	<10	<10	23	<10	128
L837085		<20	<0.01	<10	<10	23	<10	146
L837086		<20	0.01	<10	<10	21	<10	117
L837087		<20	0.01	<10	<10	17	<10	159
L837088		<20	0.01	<10	<10	18	<10	147
L837089		<20	0.01	<10	<10	17	<10	135
L837090		<20	0.01	<10	<10	16	<10	121
L837091		<20	0.01	<10	<10	20	<10	173
L837092		<20	0.01	<10	<10	20	<10	149
L837093		<20	0.01	<10	<10	24	<10	155
L837094		<20	0.01	<10	<10	21	<10	167
L837095		<20	0.01	<10	<10	12	<10	179
K837096		<20	0.01	<10	<10	20	<10	187
L837097		<20	<0.01	<10	<10	22	<10	168
L837098		<20	<0.01	<10	<10	19	<10	146
L837099		<20	0.01	<10	<10	17	<10	152
L837100		<20	<0.01	<10	<10	15	<10	144
L837101		<20	<0.01	<10	<10	13	<10	123
L837102		<20	<0.01	<10	<10	23	<10	131
L837103		<20	<0.01	<10	<10	19	<10	139
L837104		<20	<0.01	<10	<10	19	<10	174
L837105		<20	<0.01	<10	<10	23	<10	153
L837106		<20	0.01	<10	<10	27	<10	161
L837107		<20	<0.01	<10	<10	27	<10	170
L837108		<20	<0.01	<10	<10	1	<10	14



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA24	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
L837109		0.83	<0.005	<0.2	1.17	5	<10	200	<0.5	<2	0.24	<0.5	6	20	28	2.51
L837110		0.34	<0.005	<0.2	1.09	4	<10	180	<0.5	<2	0.20	<0.5	5	18	32	2.37
L837111		0.60	<0.005	<0.2	1.10	4	<10	140	<0.5	<2	0.13	<0.5	4	17	25	2.54
L837112		0.61	<0.005	<0.2	1.40	12	<10	150	<0.5	<2	0.19	<0.5	5	20	30	3.31
L837113		0.62	0.026	0.2	1.57	10	<10	160	<0.5	<2	0.18	<0.5	4	23	26	3.45
L837114		0.66	0.018	<0.2	1.41	9	<10	130	<0.5	<2	0.16	<0.5	5	21	26	3.03
L837115		0.65	0.009	<0.2	1.31	5	<10	390	<0.5	<2	0.14	<0.5	7	20	29	2.92
L837116		0.77	<0.005	<0.2	1.13	5	<10	130	<0.5	<2	0.12	<0.5	5	17	19	2.53
L837117		1.00	0.005	<0.2	1.02	4	<10	130	<0.5	<2	0.10	<0.5	7	17	26	2.35
L837118		0.90	<0.005	<0.2	1.28	5	<10	120	<0.5	<2	0.13	<0.5	7	18	30	2.73
L837119		1.49	<0.005	<0.2	1.13	7	<10	150	<0.5	<2	0.15	<0.5	7	18	28	2.52
L837120		1.18	<0.005	<0.2	1.35	8	<10	170	<0.5	<2	0.16	<0.5	11	19	38	2.77
L837121		1.40	<0.005	<0.2	1.33	10	<10	180	<0.5	<2	0.16	<0.5	8	20	37	2.88
L837122		1.44	<0.005	<0.2	1.18	10	<10	390	<0.5	<2	0.16	<0.5	12	18	42	2.66
L837123		0.96	<0.005	<0.2	1.16	9	<10	200	<0.5	<2	0.18	<0.5	8	18	29	2.54
L837124		1.34	<0.005	<0.2	1.16	8	<10	120	<0.5	<2	0.27	<0.5	9	19	26	2.49
L837125		1.37	<0.005	<0.2	1.19	5	<10	110	<0.5	<2	0.28	<0.5	9	19	33	2.69
L837126		0.95	<0.005	<0.2	1.21	5	<10	120	<0.5	<2	0.23	<0.5	8	17	28	2.71
L837127		0.70	0.009	0.3	1.16	6	<10	140	<0.5	<2	0.23	<0.5	9	18	32	2.57
L837128		1.25	<0.005	<0.2	1.21	7	<10	310	<0.5	<2	0.21	<0.5	13	17	30	2.59
L837129		1.63	<0.005	<0.2	1.36	5	<10	230	<0.5	<2	0.60	<0.5	9	17	21	2.76
L837130		0.94	<0.005	<0.2	1.30	8	<10	160	<0.5	<2	0.36	<0.5	11	17	33	2.73
L837131		1.65	<0.005	<0.2	1.35	11	<10	160	<0.5	<2	0.26	<0.5	9	19	37	2.83
L837132		0.80	<0.005	<0.2	1.13	4	<10	140	<0.5	<2	1.29	<0.5	7	12	16	2.27
L837133		1.06	<0.005	<0.2	1.20	5	<10	130	<0.5	<2	0.38	<0.5	7	16	23	2.47
L837134		1.66	<0.005	<0.2	1.27	8	<10	130	<0.5	<2	0.30	<0.5	7	17	27	2.50
L837135		1.62	<0.005	<0.2	1.30	6	<10	140	<0.5	<2	0.41	<0.5	8	20	30	2.59
L837136		0.68	<0.005	<0.2	1.01	3	<10	200	<0.5	<2	1.32	<0.5	4	9	12	1.91
L837137		1.03	<0.005	<0.2	1.54	9	<10	160	<0.5	<2	0.37	<0.5	10	23	41	3.07
L837138		1.08	<0.005	<0.2	1.41	8	<10	150	<0.5	<2	0.54	<0.5	9	21	38	2.84
L837139		1.55	<0.005	<0.2	1.51	8	<10	250	<0.5	<2	0.34	<0.5	11	21	35	3.06
L837140		1.74	<0.005	<0.2	1.41	7	<10	150	<0.5	<2	0.47	<0.5	10	19	29	2.82
L837141		1.90	<0.005	<0.2	1.43	12	<10	140	<0.5	<2	0.33	<0.5	8	21	31	2.91
L837142		0.98	0.005	<0.2	1.39	9	<10	500	<0.5	2	0.26	<0.5	9	20	35	2.89
L837143		0.91	<0.005	<0.2	1.52	9	<10	140	<0.5	2	0.58	<0.5	11	26	34	3.15

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Project: Mick

CERTIFICATE OF ANALYSIS WH11177376

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
L837109		<20	0.01	<10	<10	20	<10	116
L837110		<20	0.01	<10	<10	17	<10	111
L837111		<20	<0.01	<10	<10	16	<10	90
L837112		<20	<0.01	<10	<10	23	<10	121
L837113		20	<0.01	<10	<10	25	<10	98
L837114		<20	0.01	<10	<10	22	<10	86
L837115		<20	<0.01	<10	<10	20	<10	107
L837116		<20	0.01	<10	<10	15	<10	100
L837117		<20	0.01	<10	<10	12	<10	77
L837118		<20	<0.01	<10	<10	18	<10	112
L837119		<20	0.01	<10	<10	15	<10	85
L837120		<20	0.01	<10	<10	19	<10	105
L837121		<20	0.01	<10	<10	19	<10	87
L837122		<20	<0.01	<10	<10	16	<10	119
L837123		<20	0.01	<10	<10	16	<10	87
L837124		<20	0.01	<10	<10	16	<10	88
L837125		<20	0.01	<10	<10	20	<10	99
L837126		<20	0.01	<10	<10	19	<10	101
L837127		<20	<0.01	<10	<10	15	<10	95
L837128		<20	<0.01	<10	<10	16	<10	117
L837129		<20	<0.01	<10	<10	14	<10	108
L837130		<20	<0.01	<10	<10	17	<10	134
L837131		<20	0.01	<10	<10	18	<10	100
L837132		<20	<0.01	<10	<10	9	<10	108
L837133		<20	<0.01	<10	<10	14	<10	88
L837134		<20	0.01	<10	<10	17	<10	104
L837135		<20	0.01	<10	<10	16	<10	101
L837136		<20	<0.01	<10	<10	4	<10	51
L837137		20	0.01	<10	<10	21	<10	104
L837138		<20	0.01	<10	<10	19	<10	85
L837139		<20	0.01	<10	<10	20	<10	100
L837140		<20	<0.01	<10	<10	20	<10	103
L837141		<20	0.01	<10	<10	20	<10	99
L837142		<20	<0.01	<10	<10	20	<10	114
L837143		<20	<0.01	<10	<10	21	<10	121



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CERTIFICATE WH11177377

Project: Mick

P.O. No.:

This report is for 179 RC Drill Chip samples submitted to our lab in Whitehorse, YT, Canada on 4- SEP- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SPL- 22Y	Split Sample - Boyd Rotary Splitter
CRU- QC	Crushing QC Test
CRU- 31	Fine crushing - 70% < 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
L837145		1.14	<0.005	0.3	1.38	8	<10	120	<0.5	<2	0.63	<0.5	8	24	31	2.94
L837146		0.94	<0.005	0.4	1.36	3	<10	130	<0.5	<2	0.66	<0.5	9	19	28	2.85
L837147		1.26	0.006	0.4	1.36	2	<10	140	<0.5	2	0.45	<0.5	8	20	29	2.77
L837148		0.79	<0.005	0.4	1.28	<2	<10	110	<0.5	2	0.47	<0.5	9	18	30	2.69
L837149		0.24	<0.005	<0.2	0.03	<2	<10	20	<0.5	<2	19.1	<0.5	1	1	7	0.45
L837150		0.85	<0.005	0.2	1.29	<2	<10	180	<0.5	2	0.29	<0.5	8	19	31	2.69
L837151		1.06	<0.005	0.2	1.20	<2	<10	110	<0.5	2	0.51	<0.5	8	18	28	2.44
L837152		0.92	<0.005	0.2	1.25	4	<10	110	<0.5	<2	0.54	<0.5	8	19	28	2.59
L837153		0.82	0.005	0.3	1.45	6	<10	140	<0.5	<2	0.35	<0.5	9	21	33	2.98
L837154		0.85	<0.005	0.2	1.54	8	<10	210	<0.5	<2	0.56	<0.5	11	24	35	3.26
L837155		0.83	0.007	<0.2	1.55	12	<10	140	<0.5	<2	0.38	<0.5	9	23	34	3.26
L837156		0.89	0.006	0.3	1.45	10	<10	140	<0.5	<2	0.36	<0.5	10	25	35	3.19
L837157		1.57	<0.005	0.2	1.52	7	<10	150	<0.5	<2	0.27	<0.5	11	23	33	3.13
L837158		0.98	<0.005	0.2	1.52	8	<10	140	<0.5	<2	0.36	<0.5	10	22	31	3.08
L837159		0.85	0.008	0.4	1.42	17	<10	140	<0.5	<2	0.66	<0.5	10	21	35	2.98
L837160		1.40	0.005	0.3	1.32	13	<10	150	<0.5	<2	0.51	<0.5	9	19	30	2.70
L837161		0.94	0.005	0.2	1.37	5	<10	140	<0.5	<2	0.49	<0.5	9	20	31	2.92
L837162		1.60	<0.005	0.2	1.27	2	<10	150	<0.5	<2	0.71	<0.5	7	20	24	2.51
L837163		0.90	<0.005	<0.2	1.19	<2	<10	100	<0.5	<2	0.99	<0.5	4	13	15	2.39
L837164		1.67	<0.005	0.2	1.29	3	<10	180	<0.5	<2	0.44	<0.5	7	18	28	2.45
L837165		1.01	<0.005	0.2	1.23	5	<10	340	<0.5	<2	0.92	<0.5	6	18	20	2.63
L837166		1.85	<0.005	0.2	1.32	<2	<10	650	<0.5	<2	1.24	<0.5	4	12	15	2.55
L837167		1.04	<0.005	<0.2	1.20	<2	<10	150	<0.5	<2	0.93	<0.5	6	15	23	2.31
L837168		1.07	<0.005	<0.2	1.48	9	<10	160	<0.5	<2	0.68	<0.5	8	22	31	2.94
L837169		0.84	0.005	0.3	1.46	6	<10	190	<0.5	<2	0.70	<0.5	9	23	35	3.04
L837170		0.73	<0.005	0.2	1.22	8	<10	210	<0.5	<2	0.18	0.5	6	20	34	2.76
L837171		0.96	0.006	0.2	1.46	15	<10	190	<0.5	<2	0.19	0.7	11	24	56	3.39
L837172		0.58	0.007	0.3	1.40	12	<10	160	<0.5	<2	0.18	0.5	7	22	47	3.32
L837173		0.47	<0.005	0.2	1.53	12	<10	130	<0.5	<2	0.21	<0.5	5	22	23	3.34
L837174		0.43	0.013	0.4	1.56	8	<10	140	<0.5	<2	0.21	<0.5	8	23	35	3.55
L837175		0.46	0.015	0.2	1.51	9	<10	140	<0.5	<2	0.19	<0.5	9	22	33	3.45
L837176		0.54	<0.005	0.3	1.23	5	<10	140	<0.5	<2	0.16	<0.5	7	19	23	2.73
L837177		0.51	<0.005	<0.2	1.23	5	<10	150	<0.5	<2	0.15	<0.5	6	19	15	2.67
L837178		0.41	<0.005	0.2	1.13	8	<10	150	<0.5	<2	0.15	<0.5	14	19	34	2.57
L837179		0.59	<0.005	0.2	1.28	6	<10	150	<0.5	<2	0.16	<0.5	17	18	35	2.90
L837180		1.03	<0.005	0.2	1.28	6	<10	140	<0.5	<2	0.16	<0.5	8	19	30	2.77
L837181		0.87	0.005	0.3	1.24	8	<10	150	<0.5	<2	0.15	<0.5	11	20	40	2.91
L837182		1.32	<0.005	0.3	1.30	6	<10	150	<0.5	<2	0.16	<0.5	13	20	39	3.02
L837183		1.24	<0.005	0.2	1.34	8	<10	150	<0.5	<2	0.16	<0.5	12	21	32	2.98
L837184		1.57	<0.005	0.4	0.99	4	<10	100	<0.5	<2	0.11	<0.5	21	21	27	2.40



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Project: Mick

CERTIFICATE OF ANALYSIS WH11177377

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
L837145		<10	<1	0.31	30	0.53	398	1	0.02	28	780	16	0.14	<2	1	49
L837146		<10	<1	0.33	40	0.51	396	1	0.01	29	730	23	0.09	<2	1	42
L837147		<10	<1	0.36	30	0.49	287	1	0.02	27	740	10	0.12	<2	1	35
L837148		<10	<1	0.33	30	0.47	344	1	0.01	29	780	15	0.11	<2	1	31
L837149		<10	<1	0.02	<10	11.95	190	<1	0.01	7	200	4	0.01	<2	<1	43
L837150		<10	<1	0.35	30	0.48	224	1	0.02	27	740	11	0.12	<2	1	24
L837151		<10	<1	0.34	20	0.49	230	2	0.02	24	610	16	0.12	<2	1	32
L837152		<10	<1	0.33	30	0.47	302	2	0.01	24	670	12	0.13	<2	1	44
L837153		<10	<1	0.37	30	0.55	280	1	0.03	30	850	13	0.13	<2	1	33
L837154		<10	<1	0.37	40	0.57	363	1	0.03	30	890	14	0.17	<2	1	41
L837155		<10	<1	0.37	40	0.58	309	1	0.02	31	970	14	0.17	<2	1	38
L837156		<10	<1	0.31	30	0.56	274	1	0.03	29	910	19	0.24	<2	1	35
L837157		<10	<1	0.38	40	0.58	270	1	0.03	31	920	11	0.18	<2	1	32
L837158		<10	<1	0.37	40	0.57	283	1	0.02	30	860	16	0.13	<2	1	31
L837159		<10	<1	0.34	30	0.53	370	2	0.02	28	760	18	0.19	<2	1	38
L837160		<10	<1	0.32	30	0.49	278	1	0.02	25	800	17	0.17	<2	1	34
L837161		<10	<1	0.33	30	0.53	277	1	0.02	28	900	15	0.20	<2	1	41
L837162		<10	<1	0.36	20	0.49	351	1	0.03	21	710	13	0.17	<2	1	75
L837163		<10	<1	0.26	10	0.53	506	1	0.03	11	420	10	0.15	<2	1	101
L837164		<10	<1	0.40	20	0.45	254	1	0.02	21	690	10	0.21	<2	1	32
L837165		<10	<1	0.25	20	0.49	487	1	0.02	18	530	12	0.40	<2	1	34
L837166		<10	<1	0.27	10	0.58	625	1	0.02	10	430	13	0.16	<2	1	71
L837167		<10	<1	0.35	20	0.43	428	1	0.02	18	520	12	0.16	<2	1	82
L837168		<10	<1	0.39	30	0.53	385	1	0.03	26	880	14	0.16	<2	1	63
L837169		<10	<1	0.35	30	0.55	434	1	0.02	29	780	31	0.16	<2	1	50
L837170		<10	<1	0.30	30	0.38	207	1	0.02	31	770	24	0.01	<2	2	22
L837171		<10	<1	0.35	40	0.50	258	1	0.02	46	920	21	0.01	<2	1	23
L837172		<10	<1	0.35	40	0.48	219	1	0.02	33	890	13	0.01	<2	1	22
L837173		<10	<1	0.36	40	0.55	208	1	0.02	26	960	15	0.01	<2	1	25
L837174		<10	<1	0.36	40	0.54	201	1	0.02	39	990	29	0.01	<2	2	27
L837175		<10	<1	0.35	40	0.52	195	1	0.02	51	920	15	0.01	<2	2	24
L837176		<10	<1	0.31	30	0.43	168	1	0.02	31	790	20	0.02	<2	1	19
L837177		<10	<1	0.33	30	0.44	164	1	0.03	24	790	14	0.02	<2	1	20
L837178		<10	<1	0.33	30	0.39	273	2	0.03	34	740	16	0.03	<2	1	19
L837179		<10	<1	0.30	30	0.45	364	1	0.02	44	810	15	0.02	<2	1	26
L837180		<10	<1	0.33	30	0.44	267	1	0.03	32	790	13	0.02	<2	1	24
L837181		<10	<1	0.32	30	0.43	303	1	0.02	45	770	18	0.02	<2	1	23
L837182		<10	<1	0.33	40	0.46	309	1	0.03	45	830	20	0.03	<2	1	27
L837183		<10	<1	0.32	30	0.49	338	1	0.02	43	820	15	0.04	<2	1	27
L837184		<10	<1	0.24	20	0.36	1725	1	0.03	42	540	28	0.03	<2	1	18



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CERTIFICATE OF ANALYSIS WH11177377

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
L837145		<20	0.01	<10	<10	23	<10	85
L837146		<20	0.01	<10	<10	19	<10	85
L837147		<20	0.01	<10	<10	19	<10	83
L837148		<20	0.01	<10	<10	18	<10	91
L837149		<20	<0.01	<10	10	2	<10	16
L837150		<20	0.01	<10	<10	18	<10	94
L837151		<20	0.01	<10	<10	17	<10	76
L837152		<20	0.01	<10	<10	17	<10	73
L837153		<20	0.01	<10	<10	22	<10	90
L837154		<20	0.01	<10	<10	22	<10	95
L837155		<20	0.01	<10	<10	22	<10	95
L837156		<20	0.01	<10	<10	21	<10	97
L837157		<20	0.02	<10	<10	23	<10	97
L837158		<20	0.01	<10	<10	23	<10	99
L837159		<20	0.01	<10	<10	19	<10	92
L837160		<20	0.01	<10	<10	18	<10	84
L837161		<20	0.01	<10	<10	18	<10	94
L837162		<20	0.01	<10	<10	17	<10	64
L837163		<20	0.01	<10	<10	14	<10	23
L837164		<20	<0.01	<10	<10	17	<10	66
L837165		<20	<0.01	<10	<10	21	<10	66
L837166		<20	<0.01	<10	<10	14	<10	33
L837167		<20	0.01	<10	<10	12	<10	63
L837168		<20	0.01	<10	<10	20	<10	98
L837169		<20	0.01	<10	<10	20	<10	95
L837170		<20	0.01	<10	<10	22	<10	136
L837171		<20	0.01	<10	<10	22	<10	163
L837172		<20	<0.01	<10	<10	22	<10	134
L837173		<20	0.01	<10	<10	24	<10	92
L837174		20	<0.01	<10	<10	25	<10	115
L837175		20	<0.01	<10	<10	26	<10	108
L837176		<20	0.01	<10	<10	18	<10	85
L837177		<20	0.01	<10	<10	18	<10	78
L837178		<20	0.01	<10	<10	17	<10	106
L837179		<20	0.01	<10	<10	19	<10	141
L837180		<20	0.01	<10	<10	18	<10	103
L837181		<20	0.01	<10	<10	18	<10	118
L837182		<20	0.01	<10	<10	19	<10	128
L837183		<20	0.01	<10	<10	20	<10	117
L837184		<20	0.01	<10	<10	15	<10	100



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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
L837185		1.10	<0.005	0.3	1.21	8	<10	140	<0.5	<2	0.15	<0.5	20	20	32	2.76
L837186		0.38	<0.005	<0.2	0.03	<2	<10	10	<0.5	<2	19.6	<0.5	1	1	2	0.40
L837187		0.88	<0.005	0.2	1.14	5	<10	160	<0.5	<2	0.14	<0.5	8	18	30	2.46
L837188		1.45	<0.005	0.3	1.33	4	<10	140	<0.5	<2	0.26	<0.5	15	21	35	2.89
L837189		1.45	0.030	0.2	1.28	2	<10	150	<0.5	<2	0.18	<0.5	15	19	36	2.96
L837190		1.47	<0.005	0.5	1.58	65	<10	120	<0.5	<2	0.19	<0.5	38	82	36	3.31
L837191		0.76	<0.005	0.2	1.27	4	<10	140	<0.5	<2	0.18	<0.5	13	20	32	2.84
L837192		0.99	<0.005	0.2	1.31	7	<10	150	<0.5	<2	0.18	<0.5	12	22	33	3.00
L837193		1.72	<0.005	0.3	1.34	6	<10	160	<0.5	<2	0.17	<0.5	11	22	32	2.90
L837194		1.64	<0.005	0.3	1.20	7	<10	150	<0.5	<2	0.16	<0.5	11	20	30	2.67
L837195		0.65	<0.005	<0.2	1.34	6	<10	160	<0.5	<2	0.19	<0.5	12	20	35	3.07
L837196		1.86	<0.005	0.2	1.27	3	<10	150	<0.5	<2	0.18	<0.5	8	20	33	2.74
L837197		1.56	<0.005	0.4	1.38	8	<10	160	<0.5	<2	0.18	<0.5	10	22	34	2.92
L837198		1.68	<0.005	0.2	1.41	7	<10	140	<0.5	<2	0.17	<0.5	8	23	33	3.10
L837199		1.54	<0.005	0.3	1.32	9	<10	130	<0.5	<2	0.16	<0.5	9	22	33	2.89
L837200		1.47	<0.005	0.3	1.37	6	<10	120	<0.5	<2	0.18	<0.5	11	23	33	2.97
L837201		1.56	<0.005	0.2	1.33	6	<10	180	<0.5	<2	0.17	<0.5	12	21	35	2.87
L837202		1.67	<0.005	0.3	1.44	5	<10	140	<0.5	<2	0.17	<0.5	9	22	33	3.08
L837203		1.58	<0.005	0.2	1.44	4	<10	140	<0.5	<2	0.18	<0.5	9	22	34	3.08
L837204		1.71	<0.005	0.2	1.40	7	<10	150	<0.5	<2	0.17	<0.5	9	21	33	2.98
L837205		1.60	<0.005	0.3	1.32	4	<10	160	<0.5	<2	0.16	<0.5	13	22	33	2.83
L837206		1.35	<0.005	0.2	1.36	8	<10	140	<0.5	<2	0.19	<0.5	12	21	36	2.95
L837207		1.35	<0.005	0.2	1.39	8	<10	120	<0.5	<2	0.21	<0.5	12	23	37	3.05
L837208		1.33	<0.005	0.3	1.36	10	<10	120	<0.5	<2	0.23	<0.5	9	22	33	2.97
L837209		1.32	<0.005	0.4	1.20	8	<10	120	<0.5	<2	0.30	<0.5	8	21	29	2.61
L837210		1.40	<0.005	0.2	1.43	4	<10	130	<0.5	<2	0.33	<0.5	10	24	36	3.14
L837211		0.04	<0.005	0.3	1.56	15	<10	190	<0.5	<2	0.20	<0.5	10	25	35	3.11
L837212		1.43	<0.005	0.2	1.54	10	<10	160	<0.5	<2	0.25	<0.5	9	22	38	3.42
L837213		1.16	<0.005	0.3	1.22	7	<10	240	<0.5	<2	0.19	<0.5	10	24	44	2.87
L837214		0.80	<0.005	0.4	1.23	7	<10	240	<0.5	<2	0.19	<0.5	7	29	53	2.89
L837215		0.89	0.009	0.2	1.60	10	<10	230	<0.5	<2	0.29	<0.5	10	29	62	3.68
L837216		1.33	<0.005	0.2	1.42	7	<10	140	<0.5	<2	0.50	<0.5	10	22	34	3.05
L837217		0.82	<0.005	0.3	1.49	5	<10	150	<0.5	<2	0.53	<0.5	10	23	38	3.14
L837218		0.96	<0.005	0.4	1.44	7	<10	120	<0.5	<2	0.51	<0.5	9	22	34	3.02
L837219		1.55	0.005	0.2	1.55	5	<10	130	<0.5	<2	0.39	<0.5	11	23	38	3.34
L837220		1.72	<0.005	0.2	1.50	8	<10	130	<0.5	<2	0.32	<0.5	10	23	37	3.21
L837221		0.46	<0.005	<0.2	0.73	4	<10	250	<0.5	<2	0.18	<0.5	7	18	43	3.09
L837222		1.20	<0.005	0.2	0.43	<2	<10	280	<0.5	<2	0.08	<0.5	6	14	30	3.10
L837223		0.41	<0.005	0.4	0.43	<2	<10	280	<0.5	<2	0.09	<0.5	8	14	51	3.47
L837224		0.66	<0.005	0.3	0.47	3	<10	290	<0.5	<2	0.12	<0.5	10	14	77	3.19



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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CERTIFICATE OF ANALYSIS WH11177377

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
L837185		<10	<1	0.32	30	0.44	1205	1	0.02	46	710	14	0.03	<2	1	22
L837186		<10	<1	0.02	<10	12.65	192	<1	0.02	2	230	2	0.05	<2	<1	44
L837187		<10	<1	0.31	30	0.40	268	1	0.03	28	690	15	0.05	<2	1	21
L837188		<10	<1	0.32	30	0.53	972	1	0.02	43	830	20	0.04	<2	1	25
L837189		<10	<1	0.32	40	0.46	351	1	0.01	49	850	16	0.02	<2	1	23
L837190		<10	<1	0.28	30	0.87	2310	1	0.01	129	850	19	0.01	<2	2	28
L837191		<10	<1	0.30	40	0.47	293	1	0.01	47	860	16	0.01	<2	1	22
L837192		<10	<1	0.32	40	0.48	362	1	0.01	38	890	15	0.03	<2	1	26
L837193		<10	<1	0.35	30	0.49	630	2	0.01	35	820	13	0.02	<2	1	24
L837194		<10	<1	0.32	30	0.45	821	2	0.01	32	750	15	0.03	2	1	22
L837195		<10	<1	0.34	40	0.49	510	2	0.01	41	860	16	0.07	2	1	26
L837196		<10	<1	0.34	30	0.46	397	1	0.01	29	820	13	0.05	<2	1	24
L837197		<10	<1	0.37	40	0.49	527	1	0.01	31	810	16	0.06	<2	1	23
L837198		<10	<1	0.35	30	0.51	243	1	0.02	28	890	18	0.05	<2	1	25
L837199		<10	<1	0.35	40	0.47	331	1	0.02	33	730	12	0.03	<2	1	21
L837200		<10	<1	0.30	30	0.52	684	1	0.01	32	830	22	0.04	<2	1	23
L837201		<10	<1	0.30	30	0.48	296	1	0.01	42	770	16	0.01	<2	1	23
L837202		<10	<1	0.34	40	0.52	224	<1	0.01	36	840	15	0.01	<2	1	26
L837203		<10	<1	0.36	40	0.51	216	1	0.01	33	860	21	0.01	<2	1	25
L837204		<10	<1	0.34	30	0.50	321	1	0.01	32	830	13	0.03	<2	1	25
L837205		<10	<1	0.34	30	0.48	822	1	0.02	36	750	15	0.03	<2	1	24
L837206		<10	<1	0.33	40	0.50	385	1	0.01	37	850	10	0.04	<2	1	26
L837207		<10	<1	0.31	40	0.52	467	1	0.01	40	860	15	0.03	<2	1	28
L837208		<10	<1	0.32	40	0.51	296	1	0.01	32	860	13	0.04	<2	1	28
L837209		<10	<1	0.31	30	0.44	420	2	0.01	26	740	19	0.05	<2	1	31
L837210		<10	<1	0.31	40	0.54	337	1	0.01	33	820	20	0.05	<2	1	36
L837211		<10	<1	0.44	30	0.49	279	1	0.01	35	750	17	0.03	<2	1	26
L837212		<10	<1	0.35	40	0.56	252	1	0.01	34	1090	13	0.03	<2	1	36
L837213		<10	<1	0.28	30	0.40	511	2	0.01	35	770	16	0.03	<2	1	30
L837214		<10	<1	0.29	20	0.43	234	3	0.01	37	830	22	0.03	<2	1	34
L837215		<10	<1	0.33	30	0.57	370	3	0.01	42	1120	9	0.02	<2	1	37
L837216		<10	<1	0.33	40	0.51	381	2	0.01	30	840	19	0.03	<2	1	41
L837217		<10	<1	0.33	30	0.54	365	1	0.01	32	810	18	0.06	<2	1	37
L837218		<10	<1	0.33	30	0.53	345	1	0.01	29	810	15	0.08	<2	1	35
L837219		<10	<1	0.33	40	0.57	320	1	0.01	35	880	20	0.07	<2	1	33
L837220		<10	<1	0.36	40	0.55	275	1	0.01	32	890	16	0.11	<2	1	32
L837221		<10	<1	0.26	30	0.12	290	1	0.01	27	700	15	0.01	<2	2	22
L837222		<10	<1	0.29	20	0.03	214	1	0.01	35	660	11	<0.01	<2	1	17
L837223		<10	<1	0.29	20	0.03	263	2	0.01	39	710	10	<0.01	<2	1	18
L837224		<10	<1	0.29	20	0.03	466	2	0.01	45	790	12	<0.01	<2	2	23



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
L837185		<20	0.01	<10	<10	18	<10	122
L837186		<20	<0.01	<10	10	2	<10	12
L837187		<20	0.01	<10	<10	17	<10	85
L837188		<20	0.01	<10	<10	19	<10	112
L837189		<20	0.01	<10	<10	18	<10	106
L837190		<20	<0.01	<10	<10	24	<10	138
L837191		<20	<0.01	<10	<10	18	<10	91
L837192		<20	0.01	<10	<10	19	<10	82
L837193		<20	0.02	<10	<10	20	<10	83
L837194		<20	0.01	<10	<10	18	<10	115
L837195		<20	0.01	<10	<10	18	<10	101
L837196		<20	0.01	<10	<10	18	<10	81
L837197		<20	0.01	<10	<10	19	<10	83
L837198		<20	0.01	<10	<10	22	<10	80
L837199		<20	0.01	<10	<10	19	<10	85
L837200		<20	0.01	<10	<10	20	<10	89
L837201		<20	<0.01	<10	<10	19	<10	96
L837202		<20	0.01	<10	<10	21	<10	95
L837203		<20	0.01	<10	<10	21	<10	92
L837204		<20	0.01	<10	<10	21	<10	90
L837205		<20	0.02	<10	<10	20	<10	97
L837206		<20	0.01	<10	<10	20	<10	90
L837207		<20	0.01	<10	<10	20	<10	96
L837208		<20	0.01	<10	<10	20	<10	86
L837209		<20	0.01	<10	<10	17	<10	71
L837210		<20	0.01	<10	<10	21	<10	96
L837211		<20	<0.01	<10	<10	24	<10	91
L837212		20	0.01	<10	<10	21	<10	85
L837213		<20	0.01	<10	<10	26	<10	117
L837214		<20	0.01	<10	<10	29	<10	106
L837215		<20	0.01	<10	<10	31	<10	104
L837216		<20	0.01	<10	<10	19	<10	84
L837217		<20	0.01	<10	<10	21	<10	95
L837218		<20	0.01	<10	<10	20	<10	86
L837219		20	0.01	<10	<10	22	<10	99
L837220		<20	0.01	<10	<10	21	<10	92
L837221		<20	0.01	<10	<10	25	<10	86
L837222		<20	<0.01	<10	<10	19	<10	96
L837223		<20	<0.01	<10	<10	21	<10	112
L837224		<20	<0.01	<10	<10	22	<10	117



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North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
L837225		0.50	<0.005	0.3	0.53	<2	<10	310	<0.5	<2	0.08	<0.5	5	13	27	3.06
L837226		0.59	<0.005	0.3	0.51	<2	<10	320	<0.5	<2	0.09	<0.5	3	14	27	2.87
L837227		0.57	<0.005	0.2	0.48	7	<10	240	<0.5	<2	0.09	<0.5	6	16	30	2.60
L837228		0.63	<0.005	0.3	0.39	7	<10	100	<0.5	<2	0.06	<0.5	6	18	31	2.27
L837229		0.60	<0.005	0.2	0.28	3	<10	80	<0.5	<2	0.02	<0.5	2	11	12	0.74
L837230		0.30	<0.005	0.3	0.03	<2	<10	10	<0.5	<2	18.5	<0.5	2	1	1	0.44
L837231		0.62	<0.005	<0.2	0.30	2	<10	60	<0.5	<2	0.05	<0.5	2	12	14	1.02
L837232		0.63	<0.005	<0.2	0.34	14	<10	60	<0.5	<2	0.18	<0.5	5	16	29	2.03
L837233		0.41	<0.005	0.5	0.27	3	<10	170	<0.5	<2	0.04	<0.5	33	25	29	3.63
L837234		0.97	<0.005	0.3	0.41	3	<10	410	<0.5	<2	0.09	<0.5	11	18	66	3.00
L837235		1.07	0.007	<0.2	0.54	3	<10	320	<0.5	<2	0.05	<0.5	10	18	46	2.98
L837236		1.24	<0.005	0.3	0.46	2	<10	300	<0.5	<2	0.07	<0.5	14	15	34	2.40
L837237		1.21	<0.005	0.3	0.66	3	<10	310	<0.5	<2	0.07	<0.5	21	16	53	3.34
L837238		1.22	<0.005	0.3	0.53	4	<10	390	<0.5	<2	0.05	<0.5	22	17	34	2.54
L837239		1.60	<0.005	0.2	0.24	7	<10	230	<0.5	<2	0.05	<0.5	5	18	11	1.73
L837240		1.51	<0.005	0.2	0.40	2	<10	420	<0.5	<2	0.05	<0.5	5	19	11	1.73
L837241		1.78	<0.005	0.2	0.31	3	<10	400	<0.5	<2	0.04	<0.5	6	16	14	1.53
L837242		1.97	<0.005	<0.2	0.27	3	<10	310	<0.5	<2	0.01	<0.5	2	14	13	1.58
L837243		1.19	<0.005	1.6	0.28	3	<10	570	<0.5	2	0.07	<0.5	1	17	13	1.33
L837244		0.89	<0.005	0.6	0.19	5	<10	410	<0.5	<2	0.02	0.9	11	19	24	2.38
L837245		1.56	<0.005	0.2	0.17	5	<10	300	<0.5	<2	0.02	<0.5	9	16	16	1.86
L837246		1.57	<0.005	0.2	0.31	8	<10	270	<0.5	<2	0.02	<0.5	5	19	13	2.94
L837247		1.53	0.005	0.3	0.31	11	<10	230	<0.5	<2	0.01	<0.5	6	18	14	2.18
L837248		1.79	<0.005	0.2	0.28	33	<10	250	<0.5	<2	0.13	<0.5	4	18	15	1.86
L837249		1.41	<0.005	0.2	0.19	16	<10	190	<0.5	<2	0.01	<0.5	2	17	13	1.88
L837250		1.61	<0.005	0.2	0.26	7	<10	280	<0.5	<2	0.01	0.7	4	20	20	2.03
L837251		1.54	<0.005	0.2	0.21	4	<10	290	<0.5	<2	0.03	<0.5	2	21	13	2.01
L837252		1.51	<0.005	0.4	0.34	10	<10	640	<0.5	<2	0.02	2.7	9	18	27	2.92
L837253		1.60	<0.005	0.5	0.34	12	<10	610	<0.5	<2	0.03	2.3	5	16	22	1.96
L837254		1.22	0.008	3.1	0.28	9	<10	530	<0.5	<2	0.08	0.9	1	21	22	1.55
L837255		1.11	0.022	2.5	0.26	10	<10	310	<0.5	<2	0.04	4.2	4	24	38	4.26
L837256		0.98	<0.005	0.4	0.23	9	<10	190	<0.5	<2	0.01	3.1	4	22	15	3.41
L837257		0.84	<0.005	0.2	0.27	5	<10	320	<0.5	<2	0.02	0.9	1	14	8	1.55
L837258		1.12	0.007	0.2	0.27	7	<10	240	<0.5	<2	0.02	1.6	3	19	9	1.76
L837259		0.82	0.023	0.2	0.52	3	<10	230	<0.5	<2	0.07	2.0	5	15	30	1.88
L837260		0.60	0.076	0.3	0.62	5	<10	290	0.5	<2	0.09	2.3	7	12	16	1.40
L837261		1.36	0.024	0.2	0.53	13	<10	270	<0.5	<2	0.05	0.9	6	13	22	2.10
L837262		1.29	0.011	<0.2	0.64	3	<10	180	<0.5	<2	0.10	0.6	7	17	22	2.16
L837263		1.30	0.008	<0.2	0.50	2	<10	160	<0.5	<2	0.09	0.6	6	17	30	2.22
L837264		1.37	0.005	0.2	0.34	3	<10	140	<0.5	<2	0.09	<0.5	5	15	22	1.69



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
L837225		<10	<1	0.31	30	0.03	172	2	0.01	28	700	12	0.01	<2	1	18
L837226		<10	<1	0.33	30	0.03	142	2	0.01	22	730	13	0.01	<2	1	21
L837227		<10	<1	0.29	30	0.03	199	2	<0.01	25	700	10	0.02	<2	2	23
L837228		<10	<1	0.19	10	0.02	186	3	<0.01	22	430	7	0.02	<2	2	17
L837229		<10	<1	0.20	10	0.01	65	2	<0.01	8	140	14	0.02	<2	1	9
L837230		<10	<1	0.02	<10	11.75	213	<1	0.01	<1	210	2	0.01	2	<1	47
L837231		<10	<1	0.19	10	0.03	70	2	<0.01	6	150	5	0.02	<2	1	7
L837232		<10	<1	0.16	10	0.09	111	3	<0.01	13	330	7	0.01	2	1	10
L837233		<10	<1	0.07	20	0.02	5470	1	<0.01	64	260	5	0.01	<2	1	33
L837234		<10	<1	0.19	20	0.02	903	2	<0.01	31	730	7	0.02	<2	1	16
L837235		<10	<1	0.32	20	0.02	598	1	0.01	33	400	5	0.01	<2	2	13
L837236		<10	<1	0.28	20	0.02	1210	2	0.01	30	420	5	0.01	<2	1	13
L837237		<10	<1	0.32	30	0.05	1590	1	0.01	52	510	4	0.01	<2	2	16
L837238		<10	<1	0.34	20	0.02	1785	2	0.01	52	390	4	0.01	<2	2	17
L837239		<10	<1	0.11	10	0.03	418	3	<0.01	13	310	5	0.02	<2	1	9
L837240		<10	<1	0.16	10	0.06	343	2	<0.01	12	320	12	0.02	<2	1	8
L837241		<10	<1	0.16	10	0.02	455	2	<0.01	10	250	22	0.01	<2	1	8
L837242		<10	<1	0.20	10	0.02	199	2	<0.01	7	150	11	0.01	<2	1	6
L837243		<10	<1	0.18	10	0.02	115	2	<0.01	5	480	689	0.02	<2	1	11
L837244		<10	<1	0.10	10	0.01	1510	2	<0.01	16	280	548	0.02	2	1	7
L837245		<10	<1	0.09	10	0.01	975	2	<0.01	13	210	177	0.01	<2	1	5
L837246		<10	<1	0.13	10	0.01	451	2	<0.01	11	340	151	0.02	2	1	13
L837247		<10	<1	0.16	10	0.01	462	3	<0.01	8	230	22	0.01	<2	1	7
L837248		<10	<1	0.17	10	0.02	298	3	<0.01	8	820	21	0.01	<2	1	15
L837249		<10	<1	0.12	10	0.01	181	2	<0.01	8	230	11	0.02	<2	1	5
L837250		<10	<1	0.16	10	0.01	378	3	<0.01	9	320	9	0.01	<2	1	7
L837251		<10	<1	0.11	10	0.01	173	3	<0.01	8	370	11	0.01	<2	1	7
L837252		<10	<1	0.23	10	0.02	1375	2	<0.01	11	460	136	0.01	<2	1	11
L837253		<10	1	0.24	20	0.02	995	2	0.01	6	410	178	0.01	<2	1	10
L837254		<10	4	0.16	10	0.02	154	3	<0.01	6	730	1970	0.01	3	1	12
L837255		<10	22	0.12	10	0.01	403	3	<0.01	12	1070	1355	0.02	4	1	8
L837256		<10	2	0.11	10	0.01	335	2	<0.01	13	440	108	0.01	<2	1	4
L837257		<10	1	0.16	10	0.01	126	1	<0.01	4	220	60	0.01	<2	1	6
L837258		<10	1	0.18	10	0.01	132	2	<0.01	5	250	14	0.01	<2	1	7
L837259		<10	<1	0.35	20	0.02	227	1	<0.01	11	440	14	0.01	2	1	12
L837260		<10	<1	0.52	40	0.04	440	1	0.01	12	420	12	0.03	<2	1	13
L837261		<10	<1	0.45	40	0.03	506	1	<0.01	15	330	43	0.04	<2	1	13
L837262		<10	<1	0.32	30	0.11	820	1	<0.01	20	420	18	0.04	<2	1	12
L837263		<10	<1	0.27	20	0.07	601	1	<0.01	19	400	7	0.05	<2	1	12
L837264		<10	<1	0.22	20	0.03	417	1	<0.01	17	390	18	0.04	<2	1	11



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 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
L837225		<20	<0.01	<10	<10	21	<10	92
L837226		<20	<0.01	<10	<10	21	<10	89
L837227		<20	<0.01	<10	<10	19	<10	74
L837228		<20	<0.01	<10	<10	20	<10	46
L837229		<20	<0.01	<10	<10	6	<10	12
L837230		<20	<0.01	<10	<10	2	<10	15
L837231		<20	<0.01	<10	<10	6	<10	13
L837232		<20	<0.01	<10	<10	12	<10	24
L837233		<20	<0.01	<10	<10	27	<10	113
L837234		<20	<0.01	<10	<10	18	<10	51
L837235		<20	<0.01	<10	<10	12	<10	53
L837236		<20	<0.01	<10	<10	8	<10	59
L837237		<20	<0.01	<10	<10	10	<10	86
L837238		<20	<0.01	<10	<10	9	<10	74
L837239		<20	<0.01	<10	<10	8	<10	29
L837240		<20	<0.01	<10	<10	14	<10	49
L837241		<20	<0.01	<10	<10	9	<10	49
L837242		<20	<0.01	<10	<10	6	<10	56
L837243		<20	<0.01	<10	<10	8	<10	45
L837244		<20	<0.01	<10	<10	7	<10	294
L837245		<20	<0.01	<10	<10	7	<10	263
L837246		<20	<0.01	<10	<10	14	<10	314
L837247		<20	<0.01	<10	<10	12	<10	141
L837248		<20	<0.01	<10	<10	11	<10	105
L837249		<20	<0.01	<10	<10	10	<10	179
L837250		<20	<0.01	<10	<10	12	<10	205
L837251		<20	<0.01	<10	<10	10	<10	155
L837252		<20	<0.01	<10	<10	9	<10	415
L837253		<20	<0.01	<10	<10	8	<10	316
L837254		<20	<0.01	<10	<10	10	<10	285
L837255		<20	<0.01	<10	<10	14	<10	1030
L837256		<20	<0.01	<10	<10	17	<10	904
L837257		<20	<0.01	<10	<10	11	<10	219
L837258		<20	<0.01	<10	<10	11	<10	267
L837259		<20	<0.01	<10	<10	10	<10	308
L837260		20	<0.01	<10	<10	4	<10	261
L837261		20	<0.01	<10	<10	6	<10	253
L837262		<20	<0.01	<10	<10	8	<10	277
L837263		<20	<0.01	<10	<10	8	<10	286
L837264		<20	<0.01	<10	<10	8	<10	176



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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
L837265		0.76	<0.005	0.2	0.33	4	<10	170	<0.5	<2	0.08	0.9	3	15	21	1.83
L837266		0.47	<0.005	<0.2	0.32	5	<10	430	<0.5	<2	0.06	1.0	1	14	23	1.39
L837267		1.59	<0.005	0.2	0.34	7	<10	370	<0.5	<2	0.04	<0.5	3	18	27	1.70
L837268		1.31	<0.005	0.2	0.33	7	<10	300	<0.5	<2	0.04	<0.5	3	17	25	1.73
L837269		1.43	<0.005	0.4	0.33	2	<10	380	<0.5	<2	0.04	1.3	2	14	26	1.35
L837270		1.48	<0.005	0.2	0.31	5	<10	370	<0.5	<2	0.05	0.5	1	15	17	1.33
L837271		1.46	<0.005	0.2	0.32	11	<10	380	<0.5	<2	0.03	0.5	2	16	24	1.75
L837272		1.58	<0.005	0.2	0.36	10	<10	470	<0.5	<2	0.03	0.6	1	17	22	1.66
L837273		0.34	<0.005	<0.2	0.04	<2	<10	20	<0.5	<2	19.4	<0.5	1	<1	3	0.42
L837274		1.85	0.005	1.5	0.34	6	<10	550	<0.5	<2	0.04	0.8	1	16	33	1.31
L837275		1.06	<0.005	<0.2	0.33	16	<10	390	<0.5	<2	0.11	0.7	1	16	28	1.49
L837276		1.44	<0.005	<0.2	0.31	7	<10	420	<0.5	<2	0.02	<0.5	1	17	21	1.45
L837277		1.20	<0.005	0.2	0.32	6	<10	360	<0.5	<2	0.04	<0.5	2	16	17	1.41
L837278		1.44	<0.005	0.3	0.38	3	<10	340	<0.5	<2	0.09	3.4	3	16	46	1.83
L837279		1.40	<0.005	0.2	0.61	8	<10	390	<0.5	<2	0.20	1.3	7	16	91	2.69
L837280		1.08	0.009	0.2	0.80	6	<10	270	<0.5	<2	0.18	0.6	8	19	124	3.55
L837281		1.00	<0.005	<0.2	0.39	5	<10	120	<0.5	<2	0.33	1.3	6	17	22	2.07
L837282		0.77	<0.005	<0.2	0.42	3	<10	100	<0.5	<2	0.49	<0.5	3	13	11	1.52
L837283		0.89	<0.005	<0.2	0.74	7	<10	160	<0.5	<2	0.15	<0.5	6	19	20	2.25
L837284		1.40	<0.005	<0.2	0.66	4	<10	170	<0.5	<2	0.18	<0.5	9	17	44	3.20
L837285		0.63	<0.005	<0.2	0.60	3	<10	210	<0.5	<2	0.19	<0.5	11	16	49	3.60
L837286		0.36	<0.005	<0.2	0.45	4	<10	150	<0.5	<2	0.14	<0.5	8	13	34	2.62
L837287		0.50	<0.005	<0.2	0.48	4	<10	150	<0.5	<2	0.17	<0.5	8	14	37	2.95
L837288		0.54	<0.005	<0.2	0.50	3	<10	140	<0.5	<2	0.17	<0.5	8	13	38	2.83
L837289		0.53	<0.005	<0.2	0.53	5	<10	190	<0.5	<2	0.18	<0.5	11	13	48	3.44
L837290		0.61	<0.005	0.4	0.67	7	<10	130	<0.5	<2	0.19	<0.5	7	18	36	3.07
L837291		0.55	<0.005	0.3	0.63	3	<10	160	<0.5	<2	0.19	<0.5	10	15	35	2.94
L837292		0.65	<0.005	0.3	0.74	3	<10	170	<0.5	<2	0.20	<0.5	11	17	42	3.53
L837293		0.64	<0.005	<0.2	0.45	5	<10	140	<0.5	<2	0.15	<0.5	9	15	29	2.73
L837294		0.67	<0.005	0.2	0.54	7	<10	170	<0.5	<2	0.18	<0.5	9	15	34	2.97
L837295		0.70	<0.005	0.3	0.71	3	<10	220	<0.5	<2	0.20	<0.5	9	15	37	2.95
L837296		0.63	<0.005	0.2	1.09	3	<10	200	<0.5	<2	0.21	<0.5	9	19	37	3.05
L837297		0.69	<0.005	0.2	0.83	3	<10	200	<0.5	<2	0.23	0.8	10	16	38	2.92
L837298		0.61	<0.005	0.2	1.03	4	<10	160	<0.5	2	0.25	0.9	9	18	36	3.34
L837299		0.59	<0.005	0.3	0.91	2	<10	180	<0.5	<2	0.25	0.8	10	17	36	3.02
L837300		0.28	<0.005	0.2	0.63	3	<10	150	<0.5	2	0.25	1.0	9	15	44	2.87
L837301		0.64	<0.005	0.3	0.61	4	<10	150	<0.5	2	0.25	0.9	10	17	40	3.06
L837302		0.81	<0.005	0.2	0.61	11	<10	140	<0.5	2	0.27	0.9	12	16	39	3.31
L837303		0.73	<0.005	0.3	0.57	9	<10	140	<0.5	<2	0.27	0.8	11	15	39	3.21
L837304		0.84	0.011	0.2	0.61	8	<10	230	<0.5	<2	0.26	0.8	11	18	47	3.05



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
L837265		<10	<1	0.19	10	0.03	443	1	<0.01	14	350	22	0.04	<2	1	10
L837266		<10	<1	0.18	10	0.03	99	2	<0.01	9	430	37	0.05	<2	1	13
L837267		<10	<1	0.16	10	0.02	99	2	<0.01	16	420	19	0.06	<2	1	11
L837268		<10	<1	0.14	10	0.02	91	2	<0.01	19	400	14	0.03	<2	1	9
L837269		<10	<1	0.16	10	0.02	47	2	<0.01	11	410	154	0.11	<2	1	10
L837270		<10	<1	0.15	10	0.02	42	2	<0.01	9	460	57	0.06	<2	1	11
L837271		<10	<1	0.16	10	0.02	73	2	<0.01	14	420	40	0.04	<2	1	10
L837272		<10	<1	0.17	10	0.02	53	2	<0.01	11	410	78	0.05	<2	1	10
L837273		<10	<1	0.02	<10	12.35	181	<1	<0.01	2	240	3	0.02	<2	<1	43
L837274		<10	1	0.18	10	0.03	42	2	<0.01	6	430	1290	0.03	<2	1	9
L837275		<10	<1	0.15	10	0.06	46	2	<0.01	10	400	75	0.04	<2	1	9
L837276		<10	<1	0.15	10	0.02	44	2	<0.01	9	400	44	0.05	<2	1	9
L837277		<10	<1	0.16	10	0.02	50	3	<0.01	10	390	38	0.10	<2	1	9
L837278		<10	<1	0.23	10	0.03	85	3	<0.01	18	550	94	0.09	<2	1	14
L837279		<10	<1	0.33	20	0.08	605	1	<0.01	39	880	53	0.11	<2	2	20
L837280		<10	<1	0.25	20	0.21	988	2	<0.01	42	760	43	0.27	<2	2	17
L837281		<10	<1	0.23	20	0.09	795	2	<0.01	21	330	24	0.10	<2	1	26
L837282		<10	<1	0.28	20	0.11	319	1	<0.01	11	250	20	0.12	<2	1	38
L837283		<10	<1	0.17	20	0.18	337	2	0.01	16	480	11	0.02	<2	1	13
L837284		<10	<1	0.29	30	0.11	464	2	<0.01	32	820	15	0.01	<2	2	18
L837285		<10	<1	0.33	40	0.07	631	2	<0.01	41	810	15	0.02	<2	2	19
L837286		<10	<1	0.26	20	0.04	377	2	<0.01	29	650	14	0.01	<2	1	15
L837287		<10	<1	0.28	30	0.03	374	2	<0.01	28	830	14	0.02	<2	1	19
L837288		<10	<1	0.30	30	0.03	208	2	<0.01	29	840	15	0.02	<2	1	18
L837289		<10	<1	0.31	30	0.03	764	2	<0.01	35	870	20	0.01	<2	2	21
L837290		<10	<1	0.25	30	0.12	211	2	0.01	28	830	28	0.02	<2	1	19
L837291		<10	<1	0.28	30	0.09	391	1	<0.01	31	860	17	0.03	<2	1	19
L837292		<10	<1	0.33	40	0.11	458	2	<0.01	39	930	13	0.02	<2	2	22
L837293		<10	<1	0.26	20	0.03	414	3	<0.01	28	640	11	0.03	<2	1	18
L837294		<10	<1	0.33	30	0.03	333	3	<0.01	28	820	15	0.04	<2	2	24
L837295		<10	<1	0.34	30	0.17	287	2	<0.01	35	870	24	0.08	<2	1	21
L837296		<10	<1	0.35	30	0.40	227	1	0.01	34	910	19	0.26	<2	1	22
L837297		<10	<1	0.37	30	0.40	400	2	0.02	37	890	8	0.17	<2	1	25
L837298		<10	<1	0.34	30	0.49	471	2	0.02	33	930	18	0.16	<2	1	26
L837299		<10	<1	0.38	30	0.44	437	2	0.02	34	860	11	0.18	<2	1	26
L837300		<10	<1	0.35	30	0.35	444	2	0.03	32	860	16	0.42	<2	1	25
L837301		<10	<1	0.37	30	0.40	485	2	0.02	36	830	16	0.10	<2	1	27
L837302		<10	<1	0.39	30	0.40	556	2	0.02	36	920	17	0.09	<2	2	30
L837303		<10	<1	0.34	30	0.37	536	2	0.02	33	900	21	0.14	<2	1	28
L837304		<10	<1	0.33	30	0.35	487	2	0.02	34	890	16	0.15	<2	2	45



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 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
L837265		<20	<0.01	<10	<10	9	<10	298
L837266		<20	<0.01	<10	<10	11	<10	244
L837267		<20	<0.01	<10	<10	14	<10	225
L837268		<20	<0.01	<10	<10	14	<10	313
L837269		<20	<0.01	<10	<10	11	<10	248
L837270		<20	<0.01	<10	<10	12	<10	209
L837271		<20	<0.01	<10	<10	14	<10	340
L837272		<20	<0.01	<10	<10	15	<10	332
L837273		<20	<0.01	<10	<10	1	<10	18
L837274		<20	<0.01	<10	<10	12	<10	314
L837275		<20	<0.01	<10	<10	14	<10	302
L837276		<20	<0.01	<10	<10	12	<10	274
L837277		<20	<0.01	<10	<10	12	<10	183
L837278		<20	<0.01	<10	<10	15	<10	241
L837279		<20	<0.01	<10	<10	24	<10	364
L837280		<20	0.01	<10	<10	32	<10	216
L837281		<20	<0.01	<10	<10	14	<10	302
L837282		<20	<0.01	<10	<10	10	<10	63
L837283		<20	0.01	<10	<10	18	<10	54
L837284		<20	<0.01	<10	<10	18	<10	92
L837285		<20	<0.01	<10	<10	16	<10	111
L837286		<20	<0.01	<10	<10	12	<10	79
L837287		<20	<0.01	<10	<10	15	<10	87
L837288		<20	<0.01	<10	<10	14	<10	91
L837289		<20	<0.01	<10	<10	16	<10	103
L837290		<20	<0.01	<10	<10	16	<10	82
L837291		<20	<0.01	<10	<10	14	<10	87
L837292		20	<0.01	<10	<10	21	<10	114
L837293		<20	<0.01	<10	<10	15	<10	82
L837294		<20	<0.01	<10	<10	17	<10	91
L837295		<20	<0.01	<10	<10	16	<10	99
L837296		<20	<0.01	<10	<10	21	<10	103
L837297		<20	<0.01	<10	<10	17	<10	92
L837298		<20	<0.01	<10	<10	18	<10	105
L837299		<20	<0.01	<10	<10	18	<10	105
L837300		<20	<0.01	<10	<10	16	<10	90
L837301		<20	<0.01	<10	<10	19	<10	94
L837302		<20	<0.01	<10	<10	21	<10	109
L837303		<20	<0.01	<10	<10	17	<10	96
L837304		<20	<0.01	<10	<10	29	<10	105



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 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
L837305		0.91	<0.005	0.3	0.57	7	<10	380	0.5	<2	0.25	1.0	9	20	59	3.28
L837306		0.87	<0.005	0.3	0.59	9	<10	250	0.5	<2	0.28	1.0	7	21	61	3.55
L837307		0.89	<0.005	0.2	0.50	13	<10	250	<0.5	<2	0.27	0.9	7	19	68	3.36
L837308		1.04	<0.005	0.2	0.56	17	<10	170	0.5	<2	0.19	0.9	9	21	46	3.29
L837309		0.67	<0.005	<0.2	0.38	10	<10	330	<0.5	<2	0.07	0.6	8	18	14	2.39
L837310		0.75	<0.005	<0.2	0.34	11	<10	1270	<0.5	<2	0.04	0.6	6	18	12	2.12
L837311		0.73	0.010	<0.2	0.31	10	<10	140	<0.5	<2	0.10	0.6	5	19	12	2.21
L837312		0.69	<0.005	<0.2	0.45	12	<10	550	<0.5	<2	0.14	0.8	10	21	18	2.94
L837313		0.77	<0.005	0.2	0.44	12	<10	380	<0.5	<2	0.12	0.6	7	20	16	2.57
L837314		0.42	<0.005	<0.2	0.13	2	<10	10	<0.5	<2	19.6	<0.5	<1	<1	2	0.42
L837315		0.86	<0.005	<0.2	0.65	9	<10	170	<0.5	<2	0.27	0.7	8	15	42	2.89
L837316		1.07	0.007	0.2	1.32	5	<10	230	<0.5	<2	1.11	1.1	11	16	91	4.35
L837317		0.90	0.005	0.2	0.56	10	<10	350	<0.5	<2	0.17	0.8	8	17	49	3.22
L837318		0.86	<0.005	0.2	0.38	4	<10	330	<0.5	<2	0.10	0.6	6	18	28	1.93
L837319		1.26	<0.005	0.3	0.42	10	<10	300	<0.5	<2	0.12	0.6	6	19	33	2.40
L837320		1.20	<0.005	0.2	0.36	7	<10	280	<0.5	<2	0.09	0.6	6	18	25	1.92
L837321		0.92	<0.005	0.3	0.38	9	<10	360	<0.5	<2	0.05	0.6	6	35	25	1.95
L837322		0.88	0.005	0.2	1.34	9	<10	260	<0.5	<2	0.48	1.1	13	16	51	4.65
L837323		1.29	<0.005	0.3	0.31	13	<10	290	<0.5	<2	0.09	0.6	6	19	28	2.18



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 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
L837305		<10	<1	0.30	20	0.27	442	3	0.02	40	840	19	0.24	<2	3	40
L837306		<10	<1	0.32	20	0.28	860	3	0.02	38	970	21	0.23	<2	3	31
L837307		<10	<1	0.26	20	0.33	925	3	0.02	33	660	20	0.30	<2	2	22
L837308		<10	<1	0.26	20	0.18	771	3	0.02	38	550	15	0.22	<2	2	16
L837309		<10	<1	0.19	30	0.04	380	3	0.02	40	320	18	0.10	<2	2	10
L837310		<10	<1	0.15	20	0.02	246	3	0.03	33	290	10	0.05	<2	1	12
L837311		<10	<1	0.11	20	0.05	462	2	0.02	25	510	8	0.02	<2	1	11
L837312		<10	<1	0.17	20	0.08	647	2	0.02	50	610	13	0.08	<2	2	14
L837313		<10	<1	0.15	30	0.04	321	2	0.02	37	520	18	0.10	<2	2	11
L837314		<10	<1	0.07	<10	11.80	168	<1	0.03	2	280	2	0.06	<2	<1	46
L837315		<10	<1	0.22	20	0.25	806	2	0.02	28	880	6	0.03	<2	2	19
L837316		<10	<1	0.29	20	0.61	1635	2	0.03	26	1300	8	0.08	<2	3	88
L837317		<10	<1	0.31	20	0.20	958	2	0.02	23	500	9	0.05	<2	2	18
L837318		<10	<1	0.20	10	0.03	317	3	0.02	23	510	24	0.14	<2	1	17
L837319		<10	<1	0.23	20	0.05	580	2	0.02	20	510	22	0.17	<2	1	16
L837320		<10	<1	0.16	10	0.02	438	2	0.02	21	470	25	0.11	<2	1	15
L837321		<10	<1	0.21	10	0.03	168	3	0.02	25	460	23	0.11	<2	1	15
L837322		<10	<1	0.29	20	0.63	2310	1	0.03	40	1370	8	0.04	<2	4	39
L837323		<10	<1	0.17	10	0.02	216	3	0.02	20	520	25	0.14	<2	1	15



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 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
L837305		<20	<0.01	<10	<10	40	<10	126
L837306		<20	<0.01	<10	<10	42	<10	120
L837307		<20	<0.01	<10	<10	24	<10	88
L837308		<20	<0.01	<10	<10	21	<10	107
L837309		<20	<0.01	<10	<10	10	<10	121
L837310		<20	<0.01	<10	<10	11	<10	106
L837311		<20	<0.01	<10	<10	14	<10	80
L837312		<20	<0.01	<10	<10	19	<10	163
L837313		<20	<0.01	<10	<10	16	<10	93
L837314		<20	<0.01	<10	<10	2	<10	15
L837315		<20	<0.01	<10	<10	21	<10	60
L837316		<20	0.01	<10	<10	34	<10	58
L837317		<20	<0.01	<10	<10	14	<10	38
L837318		<20	<0.01	<10	<10	15	<10	96
L837319		<20	<0.01	<10	<10	16	<10	40
L837320		<20	<0.01	<10	<10	15	<10	66
L837321		<20	<0.01	<10	<10	13	<10	90
L837322		<20	0.01	<10	<10	40	<10	74
L837323		<20	<0.01	<10	<10	15	<10	65

APPENDIX IV

DRILL LOGS

PROJECT : MICK					PROPERTY : MICK			HOLE NUMBER :PDH 11-01										Pag 1 of 2											
Drill hole data	Easting :524290				Depth : 60.96		Contractor: THORMAN DRILLING LTD.							Comment: Quartz- mica-graphite schist with barren quartzite lenses.															
	Northing : 7133155				Diameter: 3.5"																								
	Azimuth : 255°				Drilling date: August 28th 2011																								
	Dip : -60°																												
From (ft)	To (ft)	From (m)	To (m)	Sample number	Lithology	Colour	Alteration		" Minerals							Assay *								Comment					
							Oxidation	other	Py	Po	As	Gn	Sp	Cp	Au	Ag	Pb	Cu	Zn	As	Bi	Sb							
0	5	0.00	1.52	L836899	SCH	DK	t-									0.006	0.2	30	37	401	11	<2	<2	Well foliated with fairly microfolded biotite schliern, quartz-mica schist and lesser barren sucrosic quartzite lenses. Mica is mostly (90%) biotite. Weak limonite occurs on biotite and in quartz fractures.					
5	10	1.52	3.05	L836900	QTE	GY BK	w									0.007	0.3	20	41	549	20	<2	<2						
10	15	3.05	4.57	L836901												<0.005	0.2	22	75	909	20	<2	<2						
15	20	4.57	6.10	L836902												0.012	0.2	17	41	685	13	<2	<2						
20	25	6.10	7.62	L836903												<0.005	0.4	19	43	648	16	<2	<2						
25	30	7.62	9.14	L836904												<0.005	<0.2	15	40	298	11	<2	<2						
30	35	9.14	10.67	L836905												0.005	<0.2	14	41	127	25	<2	<2						
35	40	10.67	12.19	L836906												<0.005	<0.2	15	36	92	11	<2	<2						
40	45	12.19	13.72	L836907												0.015	0.3	12	45	82	6	<2	<2						
45	50	13.72	15.24	L836908												0.012	<0.2	13	40	62	9	<2	<2						
50	55	15.24	16.76	L836909												<0.005	0.3	15	35	80	9	<2	<2						
55	60	16.76	18.29	L836910												<0.005	<0.2	16	35	92	12	<2	<2						
60	65	18.29	19.81	L836911												<0.005	0.2	12	38	92	10	<2	<2						
65	70	19.81	21.34	L836912												<0.005	0.2	12	36	92	6	<2	<2						
70	75	21.34	22.86	L836913												0.012	0.3	12	28	99	8	<2	<2						
75	80	22.86	24.38	L836914												0.045	<0.2	13	34	96	13	<2	<2						
80	85	24.38	25.91	L836915												<0.005	0.2	11	40	106	12	<2	<2						
85	90	25.91	27.43	L836916												<0.005	<0.2	11	38	86	8	<2	<2						
90	95	27.43	28.96	L836917												<0.005	<0.2	13	38	142	15	<2	<2						
95	100	28.96	30.48	L836918												<0.005	<0.2	9	41	142	21	<2	<2						
100	105	30.48	32.00	L836919												0.019	<0.2	12	38	136	7	<2	<2						
105	110	32.00	33.53	L836920												<0.005	<0.2	11	38	91	2	<2	<2						
110	115	33.53	35.05	L836921												0.005	0.2	14	46	85	15	<2	<2						
115	120	35.05	36.58	L836922												0.005	<0.2	7	48	77	13	<2	<2						
120	125	36.58	38.10	L836923												0.006	<0.2	9	38	244	11	<2	<2						
125	130	38.10	39.62	L836924												0.033	<0.2	3	25	218	4	<2	<2						
130	135	39.62	41.15	L836925	QTE	BN	w									<0.005	<0.2	17	28	428	7	<2	<2	Weakly oxidized on fractures, sucrosic quartzite intercalation.					
135	140	41.15	42.67	L836926												0.062	<0.2	7	28	182	2	<2	<2						
140	145	42.67	44.20	L836927	SCH	BK	t									0.01	<0.2	5	31	155	19	<2	<2	Well foliated quartz- mica-graphite schist with sucrosic quartzite lenses and microfolded biotite schliern.					
145	150	44.20	45.72	L836928	QTE											0.008	0.2	26	47	96	17	<2	<2						

[illegible]

PROJECT : MICK				PROPERTY : MICK		HOLE NUMBER :PDH 11-02										Pag 1 of 1													
Drill hole data	Easting :524318			Depth : 24.38		Contractor:THORMAN DRILLING LTD.										Comment: Quartz- mica-graphite schist with barren quartz lenses.													
	7133160			Diameter: 3.5"																									
	Azimuth : 255°			Drilling dates : August 28th to 29th 2011																									
	Dip : -60°																												
From (ft)	To (ft)	From (m)	To (m)	Sample number	Lithology	Colour	Alteration		" Minerals							Assay *									Comment				
							Oxidation	other	Py	Po	As	Gn	Sp	Cp	Au	Ag	Pb	Cu	Zn	As	Bi	Sb							
0	5	0.00	1.52	L836939	SCH	BN	f								0.012	<0.2	103	36	593	5	<2	<2	Fairly foliated quartz -biotite schist, with trace graphite, and phyllitic quartzite. Limonite aggregates occurs interstitial.						
5	10	1.52	3.05	L836940	QTE	BK									0.006	<0.2	19	37	817	5	<2	<2							
10	15	3.05	4.57	L836941											0.005	0.2	15	33	760	4	<2	<2							
		BLANK		L836942	QTE	BN	w								0.005	<0.2	<2	<1	17	<2	<2	2	Large intercalation of barren milky white quartz lens in quartz -biotite schist.						
15	20	4.57	6.10	L836943	SCH										0.005	0.2	36	42	962	7	<2	2							
20	25	6.10	7.62	L836944											0.005	0.4	84	37	494	3	<2	<2							
25	30	7.62	9.14	L836945	SCH	BK	w								0.005	0.2	18	31	680	10	<2	<2	Quartz- mica schist with biotite schliern and weak graphite. Limonite replaces some biotite and fills small cracks in quartz.						
30	35	9.14	10.67	L836946	QTE	BN									0.005	0.5	123	31	756	8	<2	2							
35	40	10.67	12.19	L836947											0.005	0.2	14	32	807	3	<2	<2							
40	45	12.19	13.72	L836948											0.005	<0.2	27	54	1190	3	<2	3							
45	50	13.72	15.24	L836949											0.005	0.6	206	38	756	13	<2	2							
50	55	15.24	16.76	L836950											0.008	0.6	211	40	796	7	<2	<2							
55	60	16.76	18.29	L836951											0.009	0.7	245	35	688	10	<2	3							
60	65	18.29	19.81	L836952	SCH	BK	w								0.005	<0.2	27	41	196	6	2	2	Quartz- mica schist with biotite schliern and weak graphite. Limonite replaces some biotite and fills small cracks in quartz.						
65	70	19.81	21.34	L836953	QTE	BN									0.005	0.2	27	41	154	2	2	<2							
70	75	21.34	22.86	L836954											0.005	0.2	39	40	180	7	2	<2							
75	80	22.86	24.38	L836955											0.005	0.2	18	33	109	6	2	2							
EOH																													

PROJECT : MICK					PROPERTY : MICK				HOLE NUMBER :PDH 11-03															Pag 1 of 2		
Drill hole data	Easting :524308				Depth : 60.96		Contractor:THORMAN DRILLING LTD.							Comment: Graphitic quartz mica schist with barren quartzite lenses.												
	Northing : 7133155				Diameter : 3.5"																					
	Azimuth : 255°				Drilling dates : August 29th 2011																					
	Dip : -60°																									
From (ft)	To (ft)	From (m)	To (m)	Sample number	Lithology	Colour	Alteration		" Minerals							Assay *								Comment		
							Oxidation	other	Py	Po	As	Gn	Sp	Cp	Au	Ag	Pb	Cu	Zn	As	Bi	Sb				
0	5	0.00	1.52	L836956	SCH	BK	t									0.005	0.4	75	66	602	8	<2	<2	Tracely weathered quartz -mica schist with trace to weak graphite.		
5	10	1.52	3.05	L836957												0.005	0.4	200	138	1115	20	<2	2	Schist is fairly foliated and locally strong microfolded.		
10	15	3.05	4.57	L836958	SCH	BK	w									0.01	0.4	176	128	1515	24	2	<2	Schist with equal quartzite lenses. Weak limonite and hematite		
15	20	4.57	6.10	L836959	QTE											0.005	0.4	215	61	1225	9	2	<2	aggregates occurs in small ,<4mm, vugs.		
20	25	6.10	7.62	L836960	SCH	BK	t									0.005	0.6	269	31	572	4	2	<2	Tracely oxidized quartz mica schist with strongly microfolded biotite		
25	30	7.62	9.14	L836961												0.005	0.7	363	32	606	6	2	2	schliern. Barren quartzite lenses occurs throughout the interval.		
30	35	9.14	10.67	L836962												0.005	0.5	296	29	742	6	3	<2			
35	40	10.67	12.19	L836963												0.005	0.3	56	49	2190	8	3	2			
40	45	12.19	13.72	L836964												0.007	0.4	49	63	2070	15	3	<2			
45	50	13.72	15.24	L836965												0.024	<0.2	12	49	1695	21	2	<2			
50	55	15.24	16.76	L836966												0.005	<0.2	14	35	722	19	<2	<2			
55	60	16.76	18.29	L836967												0.005	<0.2	20	57	2090	21	3	2			
60	65	18.29	19.81	L836968												0.005	<0.2	14	71	1195	<2	<2	<2			
65	70	19.81	21.34	L836969												0.006	<0.2	13	98	956	3	2	<2			
70	75	21.34	22.86	L836970												0.005	<0.2	18	70	528	11	<2	<2			
75	80	22.86	24.38	L836971												0.005	<0.2	8	33	387	8	3	<2			
80	85	24.38	25.91	L836972												0.005	0.2	10	44	783	5	3	<2			
85	90	25.91	27.43	L836973												0.005	0.3	34	32	1040	4	3	<2			
90	95	27.43	28.96	L836974												0.005	0.4	26	30	793	6	3	<2			
95	100	28.96	30.48	L836975												0.005	0.2	16	31	904	4	3	<2			
100	105	30.48	32.00	L836976												0.01	0.2	7	25	718	13	2	<2			
105	110	32.00	33.53	L836977												0.005	<0.2	13	31	372	7	2	<2			
110	115	33.53	35.05	L836978												0.005	<0.2	13	41	146	7	<2	2			
115	120	35.05	36.58	L836979												0.005	<0.2	21	54	124	18	2	<2			
120	125	36.58	38.10	L836980	SCH	BK	t									0.005	<0.2	31	33	418	13	<2	3	Fairly foliated and microfolded graphitic quartz- mica schist with		
125	130	38.10	39.62	L836981	QTE											0.006	<0.2	28	28	367	20	2	2	lesser (30%) quartzite lenses.		
130	135	39.62	41.15	L836982												0.005	<0.2	20	26	108	17	2	<2			
		BLANK		L836983												0.005	<0.2	2	<1	19	<2	<2	<2			
135	140	41.15	42.67	L836984												0.005	<0.2	19	30	96	8	2	<2			
140	145	42.67	44.20	L836985	SCH	BK	t									0.005	<0.2	32	47	106	7	2	<2	Quartz mica- graphite schist with occasional quartzite lenses.		
145	150	44.20	45.72	L836986												0.005	<0.2	7	42	88	9	2	<2			
150	155	45.72	47.24	L836987												0.005	<0.2	6	32	163	7	2	2			

155	160	47.24	48.77	L836988											0.005	<0.2	10	38	126	6	<2	<2	
160	165	48.77	50.29	L836989											0.005	0.2	123	39	79	6	<2	<2	
165	170	50.29	51.82	L836990											0.005	<0.2	14	43	70	2	<2	<2	
170	175	51.82	53.34	L836991											0.114	<0.2	7	49	82	17	<2	<2	
175	180	53.34	54.86	L836992											0.019	<0.2	7	27	34	3	<2	<2	
180	185	54.86	56.39	L836993											0.005	<0.2	10	55	86	6	<2	<2	
185	190	56.39	57.91	L836994											0.013	<0.2	8	38	95	4	<2	<2	
190	195	57.91	59.44	L836995											0.005	<0.2	9	26	57	7	<2	<2	
195	200	59.44	60.96	L836996											0.005	<0.2	10	23	106	22	<2	<2	
EOH																							

PROJECT : MICK				PROPERTY : MICK				HOLE NUMBER :PDH 11-04										Pag 1 of 2												
Drill hole data	Easting :524341			Depth : 89.92		Contractor:THORMAN DRILLING LTD.								Comment : Graphitic quartz -mica schist with quartzite lenses. Trace pyrite occurs from m 54 to end of hole.																
	Northing : 7133155			Diameter : 3.5"																										
	Azimuth : 255			Drilling dates: August 29th to 30th 2011																										
	Dip : -50																													
From (ft)	To (ft)	From (m)	To (m)	Sample number	Lithology	Colour	Alteration		" Minerals						Assay *								Comment							
							Oxidation	other	Py	Po	As	Gn	Sp	Cp	Au	Ag	Pb	Cu	Zn	As	Bi	Sb								
0	5	0.00	1.52	L836997	SCH	BK										<0.005	<0.2	87	27	203	10	<2	<2	Well foliated and microfolded black quartz-mica schist with fair graphite. Occasional vugs, <2mm, with euhe-dral quartz crystals.						
5	10	1.52	3.05	L836998													<0.005	<0.2	34	25	151	8	<2		<2					
10	15	3.05	4.57	L836999													0.007	0.2	34	109	240	6	<2		<2					
15	20	4.57	6.10	L837000	SCH	BK										0.009	0.3	24	63	255	6	<2	<2	Well foliated and microfolded black mica schist with fair graphite. White , barren milky quartzite lenses occurs frequent.						
20	25	6.10	7.62	L837051	QTE											<0.005	0.2	15	59	299	4	<2	<2							
25	30	7.62	9.14	L837052	SCH		BK										<0.005	<0.2	14	42	223	4	<2		<2	Well foliated and microfolded black mica schist with fair graphite. Occasional vugs, <2mm, with euhe-dral quartz crystals.				
30	35	9.14	10.67	L837053													<0.005	<0.2	14	45	205	10	<2	2						
35	40	10.67	12.19	L837054													<0.005	<0.2	11	20	149	10	<2	<2						
40	45	12.19	13.72	L837055	SCH	BK	t									0.014	0.9	127	37	165	10	<2	<2	Well foliated and microfolded black mica schist with fair graphite. White , barren milky quartzite lenses occurs frequent. Trace limonite present on fracture plans.						
45	50	13.72	15.24	L837056	QTE												<0.005	<0.2	17	54	166	5	<2		<2					
50	55	15.24	16.76	L837057													0.006	0.2	22	80	178	5	<2		<2					
55	60	16.76	18.29	L837058	SCH	BK										0.032	0.2	16	72	153	4	2	2	Well foliated and microfolded graphitic quartz- mica schist .						
60	65	18.29	19.81	L837059													0.018	<0.2	20	68	168	4	<2		<2					
65	70	19.81	21.34	L837060	SCH		BK	t									<0.005	<0.2	38	74	253	6	<2		<2	Tracely oxidized, well foliated and microfolded graphitic quartz-mica schist with white ,barren quartzite lenses throughout the interval.				
70	75	21.34	22.86	L837061	QTE												<0.005	<0.2	84	87	368	8	<2	<2						
75	80	22.86	24.38	L837062													<0.005	0.6	268	63	428	5	<2	2						
80	85	24.38	25.91	L837063												<0.005	0.2	31	56	254	10	<2	<2							
85	90	25.91	27.43	L837064												<0.005	0.2	30	42	420	14	<2	<2							
90	95	27.43	28.96	L837065												<0.005	0.2	146	56	1080	9	<2	<2							
95	100	28.96	30.48	L837066												<0.005	0.6	135	53	648	9	<2	<2							
100	105	30.48	32.00	L837067												<0.005	<0.2	26	42	291	13	<2	<2							
105	110	32.00	33.53	L837068												<0.005	<0.2	12	29	163	5	<2	<2							
110	115	33.53	35.05	L837069												<0.005	<0.2	15	32	170	13	<2	<2							
115	120	35.05	36.58	L837070												<0.005	0.2	16	41	193	9	<2	2							
120	125	36.58	38.10	L837071												<0.005	<0.2	15	40	145	8	<2	<2							
		BLANK		L837072												<0.005	<0.2	2	<1	17	3	<2	<2							
125	130	38.10	39.62	L837073												0.009	0.2	34	33	110	6	<2	<2							
130	135	39.62	41.15	L837074												<0.005	<0.2	21	37	163	9	<2	<2							
135	140	41.15	42.67	L837075												<0.005	<0.2	17	39	130	10	<2	<2							
140	145	42.67	44.20	L837076												<0.005	0.2	27	46	217	15	<2	<2							
145	150	44.20	45.72	L837077												0.017	0.2	19	43	248	10	<2	2							
150	155	45.72	47.24	L837078												<0.005	<0.2	15	37	210	10	<2	<2							

155	160	47.24	48.77	L837079											0.075	<0.2	15	15	67	4	<2	<2	
160	165	48.77	50.29	L837080											<0.005	0.6	108	59	180	4	<2	2	
165	170	50.29	51.82	L837081											<0.005	<0.2	29	38	279	6	<2	<2	
170	175	51.82	53.34	L837082											<0.005	<0.2	14	49	105	6	<2	2	
175	180	53.34	54.86	L837083											<0.005	<0.2	12	40	109	8	<2	<2	
180	185	54.86	56.39	L837084	SCH	BK			t						<0.005	<0.2	11	36	128	4	<2	2	Solitaire cubic pyrite crystals (2/m) occurs in graphitic quartz - mica schist.
185	190	56.39	57.91	L837085	SCH	BK									<0.005	<0.2	16	42	146	2	<2	<2	Well foliated and microfolded black mica schist with fair graphite.
190	195	57.91	59.44	L837086	SCH QTE	BK	t		t- w						<0.005	0.2	16	33	117	7	<2	<2	White , barren milky quartzite lenses occurs frequent.
195	200	59.44	60.96	L837087											<0.005	0.2	21	27	159	3	<2	<2	Well foliated and microfolded black mica schist with fair graphite.
200	205	60.96	62.48	L837088											<0.005	<0.2	20	25	147	8	<2	<2	White , barren milky quartzite lenses occurs frequent. Trace limonite
205	210	62.48	64.01	L837089											<0.005	<0.2	23	32	135	4	<2	2	present on fracture plans. Trace to occasionally weak pyrite occurs
210	215	64.01	65.53	L837090											<0.005	<0.2	17	24	121	6	<2	<2	only in schist as solitaire cubic crystals (2-4/m) or smeared on fracture
215	220	65.53	67.06	L837091											0.006	<0.2	31	33	173	2	<2	<2	plans.
220	225	67.06	68.58	L837092											<0.005	0.2	24	37	149	5	<2	<2	
225	230	68.58	70.10	L837093											<0.005	<0.2	30	48	155	2	<2	<2	
230	235	70.10	71.63	L837094											<0.005	0.4	76	41	167	10	<2	<2	
235	240	71.63	73.15	L837095											<0.005	0.3	104	20	179	2	<2	<2	
240	245	73.15	74.68	L837096											<0.005	<0.2	26	33	187	4	<2	<2	
245	250	74.68	76.20	L837097											<0.005	<0.2	21	33	168	5	2	<2	
250	255	76.20	77.72	L837098											<0.005	0.2	20	44	146	8	<2	<2	
255	260	77.72	79.25	L837099											<0.005	<0.2	23	26	152	22	<2	<2	
260	265	79.25	80.77	L837100											<0.005	<0.2	22	29	144	6	<2	<2	
265	270	80.77	82.30	L837101	0.017	0.4	50	26	123	5	<2	<2											
270	275	82.30	83.82	L837102	<0.005	0.2	13	34	131	8	<2	<2											
275	280	83.82	85.34	L837103	<0.005	0.2	25	28	139	10	<2	<2											
280	285	85.34	86.87	L837104	<0.005	<0.2	21	30	174	11	<2	<2											
285	290	86.87	88.39	L837105	<0.005	0.2	15	60	153	6	<2	<2											
290	295	88.39	89.92	L837106	0.017	0.2	22	61	161	7	<2	<2											
295	300	89.92	91.44	L837107	0.01	<0.2	15	51	170	8	<2	<2											
EOH																							

PROJECT : MICK					PROPERTY : MICK			HOLE NUMBER :PDH 11-05										Pag 1 of 2											
Drill hole data	Easting :524376				Depth : 89.92		Contractor:THORMAN DRILLING LTD.							Comment: Graphitic quartz -mica schist with quartzite lenses . Trace pyrite , cubic crystals <1mm, occurs occasional in schist and lesser in quartzite.															
	Northing : 7133172				Diameter : 3.5"																								
	Azimuth : 255°				Drilling dates:August 30th to 31st 2011																								
	Dip : -60°																												
From (ft)	To (ft)	From (m)	To (m)	Sample number	Lithology	Colour	Alteration		" Minerals							Assay *								Comment					
							Oxidation	other	Py	Po	As	Gn	Sp	Cp	Au	Ag	Pb	Cu	Zn	As	Bi	Sb							
		BLANK		L837108	SCH	BK	t								<0.005	<0.2	2	<1	14	<2	<2	<2	Well foliated graphitic quartz -mica schist with barren quartzite lenses (15%) throughout the interval. Microfolds occurs in biotite schliern.						
0	5	0.00	1.52	L837109											<0.005	<0.2	28	28	116	5	<2	<2							
5	10	1.52	3.05	L837110											<0.005	<0.2	24	32	111	4	<2	<2							
10	15	3.05	4.57	L837111											<0.005	<0.2	18	25	90	4	<2	<2							
15	20	4.57	6.10	L837112											<0.005	<0.2	21	30	121	12	<2	<2							
20	25	6.10	7.62	L837113											0.026	0.2	28	26	98	10	<2	<2							
25	30	7.62	9.14	L837114											0.018	<0.2	20	26	86	9	<2	<2							
30	35	9.14	10.67	L837115											0.009	<0.2	14	29	107	5	<2	<2							
35	40	10.67	12.19	L837116											<0.005	<0.2	16	19	100	5	<2	<2							
40	45	12.19	13.72	L837117											<0.005	<0.2	11	26	77	4	<2	<2							
45	50	13.72	15.24	L837118											<0.005	<0.2	10	30	112	5	<2	<2							
50	55	15.24	16.76	L837119											<0.005	<0.2	11	28	85	7	<2	<2							
55	60	16.76	18.29	L837120											<0.005	<0.2	14	38	105	8	<2	<2							
60	65	18.29	19.81	L837121											<0.005	<0.2	12	37	87	10	<2	<2							
65	70	19.81	21.34	L837122											<0.005	<0.2	15	42	119	10	<2	<2							
70	75	21.34	22.86	L837123											<0.005	<0.2	20	29	87	9	<2	<2							
75	80	22.86	24.38	L837124											<0.005	<0.2	23	26	88	8	<2	<2							
80	85	24.38	25.91	L837125											<0.005	<0.2	13	33	99	5	<2	<2							
85	90	25.91	27.43	L837126											<0.005	<0.2	14	28	101	5	<2	<2							
90	95	27.43	28.96	L837127											0.009	0.3	41	32	95	6	<2	<2							
95	100	28.96	30.48	L837128											<0.005	<0.2	12	30	117	7	<2	<2							
100	105	30.48	32.00	L837129											<0.005	<0.2	12	21	108	5	<2	<2							
105	110	32.00	33.53	L837130											<0.005	<0.2	11	33	134	8	<2	<2							
110	115	33.53	35.05	L837131											<0.005	<0.2	10	37	100	11	<2	<2							
115	120	35.05	36.58	L837132											<0.005	<0.2	15	16	108	4	<2	<2							
120	125	36.58	38.10	L837133											<0.005	<0.2	7	23	88	5	<2	<2							
125	130	38.10	39.62	L837134											<0.005	<0.2	8	27	104	8	<2	<2							
130	135	39.62	41.15	L837135	SCH	BK			trace					<0.005	<0.2	22	30	101	6	<2	<2	2 mm, fine grained, black sulphide aggregate occurs in milky white quartz lens.							
135	140	41.15	42.67	L837136	SCH	BK								<0.005	<0.2	10	12	51	3	<2	<2	Schist.							
140	145	42.67	44.20	L837137	SCH	BK			t					<0.005	<0.2	14	41	104	9	<2	<2	Trace pyrite, solitaire cubic crystal in graphitic quartz-biotite schist.							

145	150	44.20	45.72	L837138	SCH	BK									<0.005	<0.2	12	38	85	8	<2	<2	Well foliated graphitic quartz -mica schist with barren quartzite lenses (15%) throughout the interval. Microfolds occurs in biotite schliern.	
150	155	45.72	47.24	L837139												<0.005	<0.2	17	35	100	8	<2		<2
155	160	47.24	48.77	L837140												<0.005	<0.2	16	29	103	7	<2		<2
160	165	48.77	50.29	L837141												<0.005	<0.2	11	31	99	12	<2		<2
165	170	50.29	51.82	L837142												<0.005	<0.2	12	35	114	9	2		<2
170	175	51.82	53.34	L837143												<0.005	<0.2	20	34	121	9	2		<2
175	180	53.34	54.86	L837144	SCH QTE	BK	t		t														Well foliated, quartz -mica-graphite schist with quartzite lenses (15-25%) throughout the interval. Microfolds occurs in biotite schliern. Minor mineralization consist of trace pyrite : solitaire cubic crystals occurs in schist ; occasional fine grained, weakly oxidized, <2 mm, aggregate occurs in quartzite.	
180	185	54.86	56.39	L837145				t								<0.005	0.3	16	31	85	8	<2		<2
185	190	56.39	57.91	L837146				t								<0.005	0.4	23	28	85	3	<2		<2
190	195	57.91	59.44	L837147				t								0.006	0.4	10	29	83	2	2		<2
195	200	59.44	60.96	L837148				t								<0.005	0.4	15	30	91	<2	2		<2
		BLANK		L837149				t								<0.005	<0.2	4	7	16	<2	<2		<2
200	205	60.96	62.48	L837150				t								<0.005	0.2	11	31	94	<2	2		<2
205	210	62.48	64.01	L837151				t								<0.005	0.2	16	28	76	<2	2		<2
210	215	64.01	65.53	L837152				t								<0.005	0.2	12	28	73	4	<2		<2
215	220	65.53	67.06	L837153				t								0.005	0.3	13	33	90	6	<2		<2
220	225	67.06	68.58	L837154				t								<0.005	0.2	14	35	95	8	<2		<2
225	230	68.58	70.10	L837155				t								0.007	<0.2	14	34	95	12	<2		<2
230	235	70.10	71.63	L837156				t								0.006	0.3	19	35	97	10	<2		<2
235	240	71.63	73.15	L837157			SCH QTE	BK			t- w						<0.005	0.2	11	33	97	7		<2
240	245	73.15	74.68	L837158												<0.005	0.2	16	31	99	8	<2	<2	
245	250	74.68	76.20	L837159												0.008	0.4	18	35	92	17	<2	<2	
250	255	76.20	77.72	L837160	SCH	BK			t						0.005	0.3	17	30	84	13	<2	<2	Well foliated, quartz -mica-graphite schist with quartzite lenses (15-25%) throughout the interval. Microfolds occurs in biotite schliern. Minor mineralization consist of trace pyrite : solitaire cubic crystals in schist .	
255	260	77.72	79.25	L837161												0.005	0.2	15	31	94	5	<2		<2
260	265	79.25	80.77	L837162												<0.005	0.2	13	24	64	2	<2		<2
265	270	80.77	82.30	L837163												<0.005	<0.2	10	15	23	<2	<2		<2
270	275	82.30	83.82	L837164												<0.005	0.2	10	28	66	3	<2		<2
275	280	83.82	85.34	L837165												<0.005	0.2	12	20	66	5	<2		<2
280	285	85.34	86.87	L837166												<0.005	0.2	13	15	33	<2	<2		<2
285	290	86.87	88.39	L837167	SCH QTE	BK			w	trace				<0.005	<0.2	12	23	63	<2	<2	<2	Schist with equal quartzite lenses. Weak pyrite and trace sulphides(?) ,black microscopic grains, occurs in quartzite.		
290	295	88.39	89.92	L837168												<0.005	<0.2	14	31	98	9		<2	<2
295	300	89.92	91.44	L837169	SCH	BK			t						0.005	0.3	31	35	95	6	<2	<2	Shist with trace cubic (<1mm) pyrite.	
EOH																								

"n=none,t<1%,w=1-3%,f=3-5%,m=5-7%,ms=7-10%,s=10-15%,i=15-20%

PROJECT : MICK					PROPERTY : MICK				HOLE NUMBER :PDH 11-06										Pag 1 of 2										
Drill hole data	Easting :524376				Depth : 76.2		Contractor:THORMAN DRILLING LTD.								Comment: Mica-graphite schist and lesser barren quartzite intercalation.														
	Northing : 7133172				Diameter : 3.5"																								
	Azimuth : 075°				Drilling dates: August 31st September 1st 2011																								
	Dip : -60°																												
From (ft)	To (ft)	From (m)	To (m)	Sample number	Lithology	Colour	Alteration		" Minerals							Assay *								Comment					
							Oxidation	other	Py	Po	As	Gn	Sp	Cp	Au	Ag	Pb	Cu	Zn	As	Bi	Sb							
0	5	0.00	1.52	L837170	SCH QTE	BK	t							<0.005	0.2	24	34	136	8	<2	<2	Well foliated, tracely oxidized graphitic quartz- mica schist.							
5	10	1.52	3.05	L837171										0.006	0.2	21	56	163	15	<2	<2								
10	15	3.05	4.57	L837172										0.007	0.3	13	47	134	12	<2	<2								
15	20	4.57	6.10	L837173										<0.005	0.2	15	23	92	12	<2	<2								
20	25	6.10	7.62	L837174	SCH QTE	BK	t							0.013	0.4	29	35	115	8	<2	<2	Well foliated, tracely oxidized graphitic quartz- mica schist, with lesser (30%) quartzite lenses. Limonite occurs on fracture plans.							
25	30	7.62	9.14	L837175										0.015	0.2	15	33	108	9	<2	<2								
30	35	9.14	10.67	L837176										<0.005	0.3	20	23	85	5	<2	<2								
35	40	10.67	12.19	L837177										<0.005	<0.2	14	15	78	5	<2	<2								
40	45	12.19	13.72	L837178	SCH	BK								<0.005	0.2	16	34	106	8	<2	<2	Well foliated graphitic quartz- mica schist with occasional barren quartzite lenses.							
45	50	13.72	15.24	L837179										<0.005	0.2	15	35	141	6	<2	<2								
50	55	15.24	16.76	L837180										0.005	0.3	18	40	118	8	<2	<2								
55	60	16.76	18.29	L837181										<0.005	0.3	20	39	128	6	<2	<2								
60	65	18.29	19.81	L837182	SCH QTE	BK								<0.005	0.2	15	32	117	8	<2	<2	Schist with equal quartzite intercalation.							
65	70	19.81	21.34	L837183										<0.005	0.4	28	27	100	4	<2	<2								
70	75	21.34	22.86	L837184										<0.005	0.3	14	32	122	8	<2	<2		Well foliated graphitic quartz- mica schist with occasional barren quartzite lenses.						
75	80	22.86	24.38	L837185										<0.005	<0.2	2	2	12	<2	<2	<2								
		BLANK		L837186	<0.005	0.2	15	30	85	5	<2	<2																	
80	85	24.38	25.91	L837187	<0.005	0.3	20	35	112	4	<2	<2																	
85	90	25.91	27.43	L837188	0.03	0.2	16	36	106	2	<2	<2																	
90	95	27.43	28.96	L837189	<0.005	0.5	19	36	138	65	<2	<2																	
95	100	28.96	30.48	L837190	<0.005	0.2	16	32	91	4	<2	<2																	
100	105	30.48	32.00	L837191	<0.005	0.2	15	33	82	7	<2	<2																	
105	110	32.00	33.53	L837192	<0.005	0.3	13	32	83	6	<2	<2																	
110	115	33.53	35.05	L837193	<0.005	0.3	15	30	115	7	<2	2																	
115	120	35.05	36.58	L837194	<0.005	<0.2	16	35	101	6	<2	2																	
120	125	36.58	38.10	L837195	<0.005	0.2	13	33	81	3	<2	<2																	
125	130	38.10	39.62	L837196	<0.005	0.4	16	34	83	8	<2	<2																	
130	135	39.62	41.15	L837197	<0.005	0.2	18	33	80	7	<2	<2																	
135	140	41.15	42.67	L837198	<0.005	0.3	12	33	85	9	<2	<2																	
140	145	42.67	44.20	L837199	<0.005	0.3	22	33	89	6	<2	<2																	
145	150	44.20	45.72	L837200	<0.005	0.3	22	33	89	6	<2	<2																	

150	155	45.72	47.24	L837201	SCH	BK									<0.005	0.2	16	35	96	6	<2	<2	Well foliated graphitic quartz- mica schist with occasional barren quartzite lenses.	
155	160	47.24	48.77	L837202											<0.005	0.3	15	33	95	5	<2	<2		
160	165	48.77	50.29	L837203											<0.005	0.2	21	34	92	4	<2	<2		
165	170	50.29	51.82	L837204											<0.005	0.2	13	33	90	7	<2	<2		
170	175	51.82	53.34	L837205											<0.005	0.3	15	33	97	4	<2	<2		
175	180	53.34	54.86	L837206											<0.005	0.2	10	36	90	8	<2	<2		
180	185	54.86	56.39	L837207											<0.005	0.2	15	37	96	8	<2	<2		
185	190	56.39	57.91	L837208											<0.005	0.3	13	33	86	10	<2	<2		
190	195	57.91	59.44	L837209											<0.005	0.4	19	29	71	8	<2	<2		
195	200	59.44	60.96	L837210											<0.005	0.2	20	36	96	4	<2	<2		
200	205	60.96	62.48	L837211	SCH	BK	t		trace					<0.005	0.3	17	35	91	15	<2	<2	Fine grained ,weakly oxidized sulphide aggregate(2mm) occurs in clear vugy quartzite.		
205	210	62.48	64.01	L837212											<0.005	0.2	13	38	85	10	<2	<2	Well foliated graphitic quartz- mica schist with occasional barren quartzite lenses.	
210	215	64.01	65.53	L837213											<0.005	0.3	16	44	117	7	<2	<2		
215	220	65.53	67.06	L837214											<0.005	0.4	22	53	106	7	<2	<2		
220	225	67.06	68.58	L837215											0.009	0.2	9	62	104	10	<2	<2		
225	230	68.58	70.10	L837216											<0.005	0.2	19	34	84	7	<2	<2		
230	235	70.10	71.63	L837217											<0.005	0.3	18	38	95	5	<2	<2		
235	240	71.63	73.15	L837218											<0.005	0.4	15	34	86	7	<2	<2		
240	245	73.15	74.68	L837219											0.005	0.2	20	38	99	5	<2	<2		
245	250	74.68	76.20	L837220											<0.005	0.2	16	37	92	8	<2	<2		
EOH																								

PROJECT : MICK					PROPERTY : MICK				HOLE NUMBER :PDH 11-07																Pag 1 of 2				
Drill hole data	Easting :524154				Depth : 89.92		Contractor:THORMAN DRILLING LTD.								Comment: Quartz-mica-graphite schist and lesser quartzite intercalation. Trace powdery sulphides occurs in intensely oxidized quartzite :m 48.7-53.4.														
	Northing : 7132645				Diameter : 3.5"																								
	Azimuth : 075 ^o				Drilling dates: September 1st to 2nd 2011																								
	Dip : -60 ^o																												
From (ft)	To (ft)	From (m)	To (m)	Sample number	Lithology	Colour	Alteration		" Minerals						Assay *								Comment						
							Oxidation	other	Py	Po	As	Gn	Sp	Cp	Au	Ag	Pb	Cu	Zn	As	Bi	Sb							
0	5	0.00	1.52	L837221	SCH	BK	t								<0.005	<0.2	15	43	86	4	<2	<2	Tracely oxidized, well foliated quartz-mica-graphite schist with waved biotite schliern.						
5	10	1.52	3.05	L837222											<0.005	0.2	11	30	96	<2	<2	<2							
10	15	3.05	4.57	L837223											<0.005	0.4	10	51	112	<2	<2	<2							
15	20	4.57	6.10	L837224											<0.005	0.3	12	77	117	3	<2	<2							
20	25	6.10	7.62	L837225											<0.005	0.3	12	27	92	<2	<2	<2							
25	30	7.62	9.14	L837226	QTE SCH	BK									<0.005	0.3	13	27	89	<2	<2	<2	Quartz phyllite with lesser schist.						
30	35	9.14	10.67	L837227											<0.005	0.2	10	30	74	7	<2	<2							
35	40	10.67	12.19	L837228											<0.005	0.3	7	31	46	7	<2	<2							
40	45	12.19	13.72	L837229											<0.005	0.2	14	12	12	3	<2	<2							
		BLANK		L837230											<0.005	0.3	2	1	15	<2	<2	2							
45	50	13.72	15.24	L837231	SCH	BK BN	w-s								<0.005	<0.2	5	14	13	2	<2	<2	Weakly oxidized quartz- mica-graphite schist with locally strong oxidized barren quartzite lenses. Occasional limonite forms 1mm earthy crust on quartzite fractures plans.						
50	55	15.24	16.76	L837232											<0.005	<0.2	7	29	24	14	<2	2							
55	60	16.76	18.29	L837233											<0.005	0.5	5	29	113	3	<2	<2							
60	65	18.29	19.81	L837234											<0.005	0.3	7	66	51	3	<2	<2							
65	70	19.81	21.34	L837235											0.007	<0.2	5	46	53	3	<2	<2							
70	75	21.34	22.86	L837236											<0.005	0.3	5	34	59	2	<2	<2							
75	80	22.86	24.38	L837237											<0.005	0.3	4	53	86	3	<2	<2							
80	85	24.38	25.91	L837238											<0.005	0.3	4	34	74	4	<2	<2							
85	90	25.91	27.43	L837239											<0.005	0.2	5	11	29	7	<2	<2							
90	95	27.43	28.96	L837240											<0.005	0.2	12	11	49	2	<2	<2							
95	100	28.96	30.48	L837241											<0.005	0.2	22	14	49	3	<2	<2							
100	105	30.48	32.00	L837242											<0.005	<0.2	11	13	56	3	<2	<2							
105	110	32.00	33.53	L837243											<0.005	1.6	689	13	45	3	2	<2							
110	115	33.53	35.05	L837244											<0.005	0.6	548	24	294	5	<2	2							
115	120	35.05	36.58	L837245											<0.005	0.2	177	16	263	5	<2	<2							
120	125	36.58	38.10	L837246											<0.005	0.2	151	13	314	8	<2	2							
125	130	38.10	39.62	L837247											0.005	0.3	22	14	141	11	<2	<2							
130	135	39.62	41.15	L837248											<0.005	0.2	21	15	105	33	<2	<2							
135	140	41.15	42.67	L837249											<0.005	0.2	11	13	179	16	<2	<2							
140	145	42.67	44.20	L837250											<0.005	0.2	9	20	205	7	<2	<2							
145	150	44.20	45.72	L837251											<0.005	0.2	11	13	155	4	<2	<2							
150	155	45.72	47.24	L837252											<0.005	0.4	136	27	415	10	<2	<2							

155	160	47.24	48.77	L837253											<0.005	0.5	178	22	316	12	<2	<2	
160	165	48.77	50.29	L837254	QTE SCH	BN RD	w-i		trace				0.008	3.1	1970	22	285	9	<2	3	Schist with equal quartzite intercalation. Black powdery sulphides, mixed with earthy limonite aggregate, occurs in occasionally intense oxidized quartzite.		
165	170	50.29	51.82	L837255									0.022	2.5	1355	38	1030	10	<2	4			
170	175	51.82	53.34	L837256									<0.005	0.4	108	15	904	9	<2	<2			
175	180	53.34	54.86	L837257	SCH	BK BN	t-f						<0.005	0.2	60	8	219	5	<2	<2	Quartz-mica-graphite schist and lesser quartzite intercalations. Trace to fair limonite occurs on fracture plans.		
180	185	54.86	56.39	L837258									0.007	0.2	14	9	267	7	<2	<2			
185	190	56.39	57.91	L837259									0.023	0.2	14	30	308	3	<2	2			
190	195	57.91	59.44	L837260									0.076	0.3	12	16	261	5	<2	<2			
195	200	59.44	60.96	L837261									0.024	0.2	43	22	253	13	<2	<2			
200	205	60.96	62.48	L837262	SCH QTE	BK RD	w-i							0.011	<0.2	18	22	277	3	<2	<2	Weakly oxidized quartz- mica-graphite schist with locally intense oxidized barren quartzite lenses. Pervasive limonite occurs interstitial in sucrosic quartzite.	
205	210	62.48	64.01	L837263	SCH	BK BN	t- w						0.008	<0.2	7	30	286	2	<2	<2	Trace to weakly oxidized, well foliated with waved biotite schliern , quartz -mica -graphite schist and occasional barren quartzite lenses.		
210	215	64.01	65.53	L837264									0.005	0.2	18	22	176	3	<2	<2			
215	220	65.53	67.06	L837265									<0.005	0.2	22	21	298	4	<2	<2			
220	225	67.06	68.58	L837266									<0.005	<0.2	37	23	244	5	<2	<2			
225	230	68.58	70.10	L837267									<0.005	0.2	19	27	225	7	<2	<2			
230	235	70.10	71.63	L837268									<0.005	0.2	14	25	313	7	<2	<2			
235	240	71.63	73.15	L837269									<0.005	0.4	154	26	248	2	<2	<2			
240	245	73.15	74.68	L837270									<0.005	0.2	57	17	209	5	<2	<2			
245	250	74.68	76.20	L837271									<0.005	0.2	40	24	340	11	<2	<2			
250	255	76.20	77.72	L837272									<0.005	0.2	78	22	332	10	<2	<2			
		BLANK		L837273									<0.005	<0.2	3	3	18	<2	<2	<2			
255	260	77.72	79.25	L837274									0.005	1.5	1290	33	314	6	<2	<2			
260	265	79.25	80.77	L837275									<0.005	<0.2	75	28	302	16	<2	<2			
265	270	80.77	82.30	L837276									<0.005	<0.2	44	21	274	7	<2	<2			
270	275	82.30	83.82	L837277									<0.005	0.2	38	17	183	6	<2	<2			
275	280	83.82	85.34	L837278									<0.005	0.3	94	46	241	3	<2	<2			
280	285	85.34	86.87	L837279									<0.005	0.2	53	91	364	8	<2	<2			
285	290	86.87	88.39	L837280									0.009	0.2	43	124	216	6	<2	<2			
290	295	88.39	89.92	L837281									<0.005	<0.2	24	22	302	5	<2	<2			
295	300	89.92	91.44	L837282									<0.005	<0.2	20	11	63	3	<2	<2			
EOH																							

PROJECT : MICK				PROPERTY : MICK				HOLE NUMBER :PDH 11-08										Pag 1 of 2									
Drill hole data	Easting :524089			Depth : 60.96		Contractor:THORMAN DRILLING LTD.							Comment: Quartz mica -graphite schist and lesser barren quartzite intercalations.														
	Northing : 7132635			Diameter : 3.5"																							
	Azimuth : 075°			Drilling dates : September 2nd 2011																							
	Dip : -60°																										
From (ft)	To (ft)	From (m)	To (m)	Sample number	Lithology	Colour	Alteration		" Minerals							Assay *							Comment				
							Oxidation	other	Py	Po	As	Gn	Sp	Cp	Au	Ag	Pb	Cu	Zn	As	Bi	Sb					
0	5	0.00	1.52	L837283	SCH	BK	t										<0.005	<0.2	11	20	54	7	<2	<2	Waived, well foliated quartz-mica-graphite schist and occasional tracely oxidized barren quartzite lenses.		
5	10	1.52	3.05	L837284															<0.005	<0.2	15	44	92	4		<2	<2
10	15	3.05	4.57	L837285															<0.005	<0.2	15	49	111	3		<2	<2
15	20	4.57	6.10	L837286															<0.005	<0.2	14	34	79	4		<2	<2
20	25	6.10	7.62	L837287															<0.005	<0.2	14	37	87	4		<2	<2
25	30	7.62	9.14	L837288															<0.005	<0.2	15	38	91	3		<2	<2
30	35	9.14	10.67	L837289															<0.005	<0.2	20	48	103	5		<2	<2
35	40	10.67	12.19	L837290															<0.005	0.4	28	36	82	7		<2	<2
40	45	12.19	13.72	L837291															<0.005	0.3	17	35	87	3		<2	<2
45	50	13.72	15.24	L837292															<0.005	0.3	13	42	114	3		<2	<2
50	55	15.24	16.76	L837293															<0.005	<0.2	11	29	82	5		<2	<2
55	60	16.76	18.29	L837294															<0.005	0.2	15	34	91	7		<2	<2
60	65	18.29	19.81	L837295															<0.005	0.3	24	37	99	3		<2	<2
65	70	19.81	21.34	L837296															<0.005	0.2	19	37	103	3		<2	<2
70	75	21.34	22.86	L837297	SCH	BK											<0.005	0.2	8	38	92	3	<2	<2	Waived, well foliated graphitic quartz-mica schist and occasional barren quartzite lenses.		
75	80	22.86	24.38	L837298															<0.005	0.2	18	36	105	4		2	<2
80	85	24.38	25.91	L837299															<0.005	0.3	11	36	105	2		<2	<2
85	90	25.91	27.43	L837300															<0.005	0.2	16	44	90	3		2	<2
90	95	27.43	28.96	L837301															<0.005	0.3	16	40	94	4		2	<2
95	100	28.96	30.48	L837302													<0.005	0.2	17	39	109	11	2	<2			
100	105	30.48	32.00	L837303	SCH QTE	BK											<0.005	0.3	21	39	96	9	<2	<2	Graphitic quartz-mica schist with microfolded biotite schliern and milky white quartzite lenses.		
105	110	32.00	33.53	L837304															0.011	0.2	16	47	105	8		<2	<2
110	115	33.53	35.05	L837305															<0.005	0.3	19	59	126	7		<2	<2
115	120	35.05	36.58	L837306															<0.005	0.3	21	61	120	9		<2	<2
120	125	36.58	38.10	L837307															<0.005	0.2	20	68	88	13		<2	<2
125	130	38.10	39.62	L837308													<0.005	0.2	15	46	107	17	<2	<2			
130	135	39.62	41.15	L837309	QTE SCH	BN YW	w-s										<0.005	<0.2	18	14	121	10	<2	<2	Weak to strongly oxidized sucrosic quartzite with lesser schist. Limonite occurs as earthy red aggregates, filling the frequent cracks in quartzite.		
135	140	41.15	42.67	L837310															<0.005	<0.2	10	12	106	11		<2	<2
140	145	42.67	44.20	L837311															0.01	<0.2	8	12	80	10		<2	<2
145	150	44.20	45.72	L837312															<0.005	<0.2	13	18	163	12		<2	<2
150	155	45.72	47.24	L837313															<0.005	0.2	18	16	93	12		<2	<2
		BLANK		L837314													<0.005	<0.2	2	2	15	2	<2	<2			

[illegible]

"n=none,t<1%,w=1-3%,f=3-5%,m=5-7%,ms=7-10%,s=10-15%,i=15-20%

96007

Statement of Expenditures
Mick 1-32 Mineral Claims
February 13, 2012

Contract Percussion Drilling

Thorman Drilling Ltd.

\$43,247.63

