

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

STREAM SEDIMENT, SOIL AND ROCK GEOCHEMICAL SAMPLING

at the

LEAH PROPERTY

Leah 1-20 YD01159-YD01178

NTS 105N/03

Latitude 63°07'N; Longitude 133°18'W

located in the

Mayo Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

NEW DIMENSION RESOURCES LTD.

and

STRATEGIC METALS LTD.

by

A. Mitchell, B.Sc.

November 2011

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INTRODUCTION

The Leah property is located in east-central Yukon and covers the headwaters of creeks that yielded regionally anomalous arsenic and bismuth values from government stream sediment samples. The property is owned by Strategic Metals Ltd. and is under option to New Dimension Resources Ltd.

This report describes prospecting, stream sediment and soil geochemical sampling conducted on June 14 and July 28, 2011 by Archer, Cathro and Associates (1981) Limited on behalf of New Dimension. The author interpreted all data from this project and his Statement of Qualifications is in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Leah property is located in east-central Yukon at latitude 63°07' north and longitude 133°18' west on NTS map sheet 105N/03 (Figure 1). It comprises 20 contiguous quartz claims that cover an area of about 400 hectares (4 km²). All of the claims are registered with the Mayo Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic Metals. Specifics concerning claim registration are tabulated below, while the locations of individual claims are shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date</u>
Leah 1-20	YD01159-YD01178	March 31, 2016*

* Expiry date includes 2011 work which has been filed for assessment credit but not yet accepted.

Access to and from the property was provided by a Bell 206B helicopter operated by Trans North Helicopters from the Faro airport, which is located approximately 100 km to the south. All personnel stayed at the Faro Studio Hotel. Faro is accessible via the Robert Campbell Highway in all seasons using two-wheel drive vehicles.

HISTORY AND PREVIOUS WORK

In 1990, the Geological Survey of Canada (GSC) completed a reconnaissance-scale stream sediment and water sampling survey on NTS map sheet 105N (Day *et. al.*, 2009). Samples collected from creeks draining the Leah property returned 90th percentile arsenic (47 and 44 ppm) and bismuth (0.4 ppm) values and 80th percentile gold (10 ppb) and antimony (1.7 ppm) values for that map sheet.

There is no record of previous staking in the area.

GEOMORPHOLOGY AND CLIMATE

The Leah property is situated in the Hess Mountains, a subset of the Selwyn Mountains. It is drained by streams that flow into Russell Creek, which ultimately connects to the Pacific Ocean via the Macmillan, Pelly and Yukon rivers.

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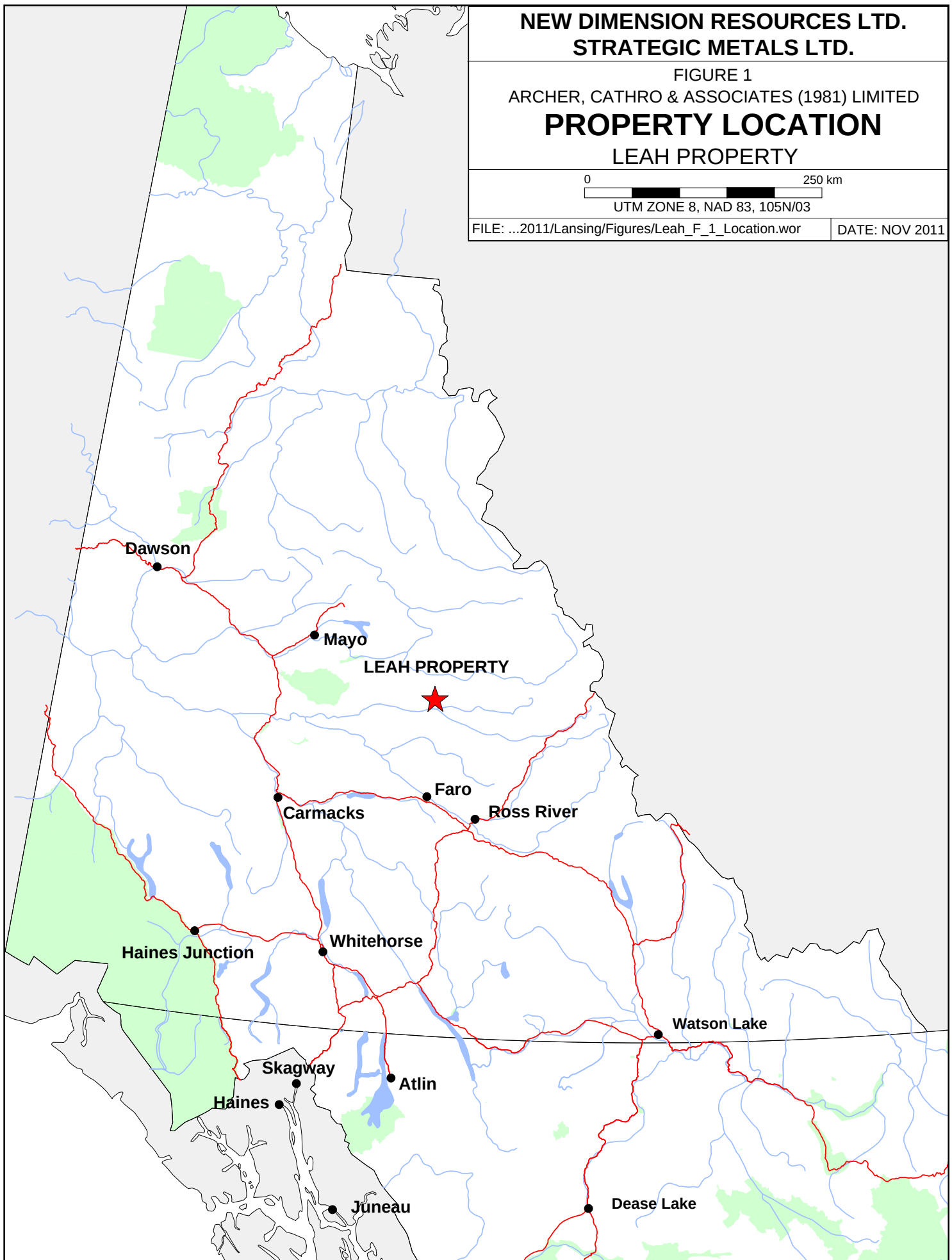
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

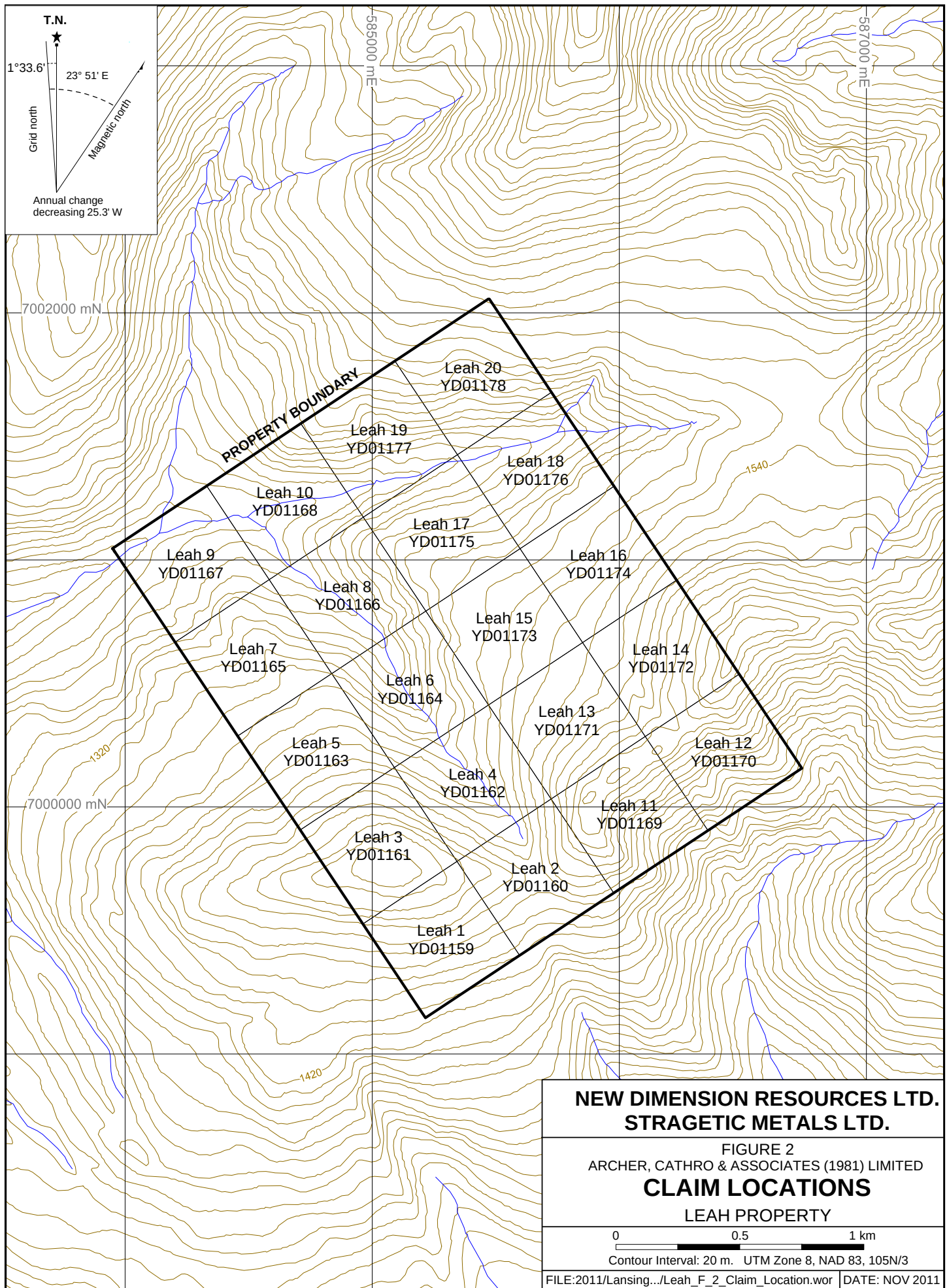
**PROPERTY LOCATION
LEAH PROPERTY**

0 250 km
UTM ZONE 8, NAD 83, 105N/03

FILE: ...2011/Lansing/Figures/Leah_F_1_Location.wor

DATE: NOV 2011





The property covers a northeast-trending ridge and westerly draining valley. Local elevations on the property range from about 1160 to 1680 m above sea level (asl). Outcrop exposure is moderate and is generally restricted to ridge tops, steep slopes and creek cuts. Two thirds of the property lies below treeline, which is at approximately 1500 m asl. Slopes above that elevation are characterized by talus, outcrop and alpine vegetation primarily comprising low grasses and staghorn moss. The density and size of vegetation gradually increases on lower slopes and the valley floors are treed with fir and spruce, with an understorey of low shrubs and moss.

Much of the overburden in the region is associated with the most recent Cordilleran ice sheet, the McConnell glaciation, which is believed to have covered south and central Yukon between 26,500 and 10,000 years ago (Yukon Geological Survey, 2010). In this area, the ice sheet generally moved in a northerly to northwesterly direction.

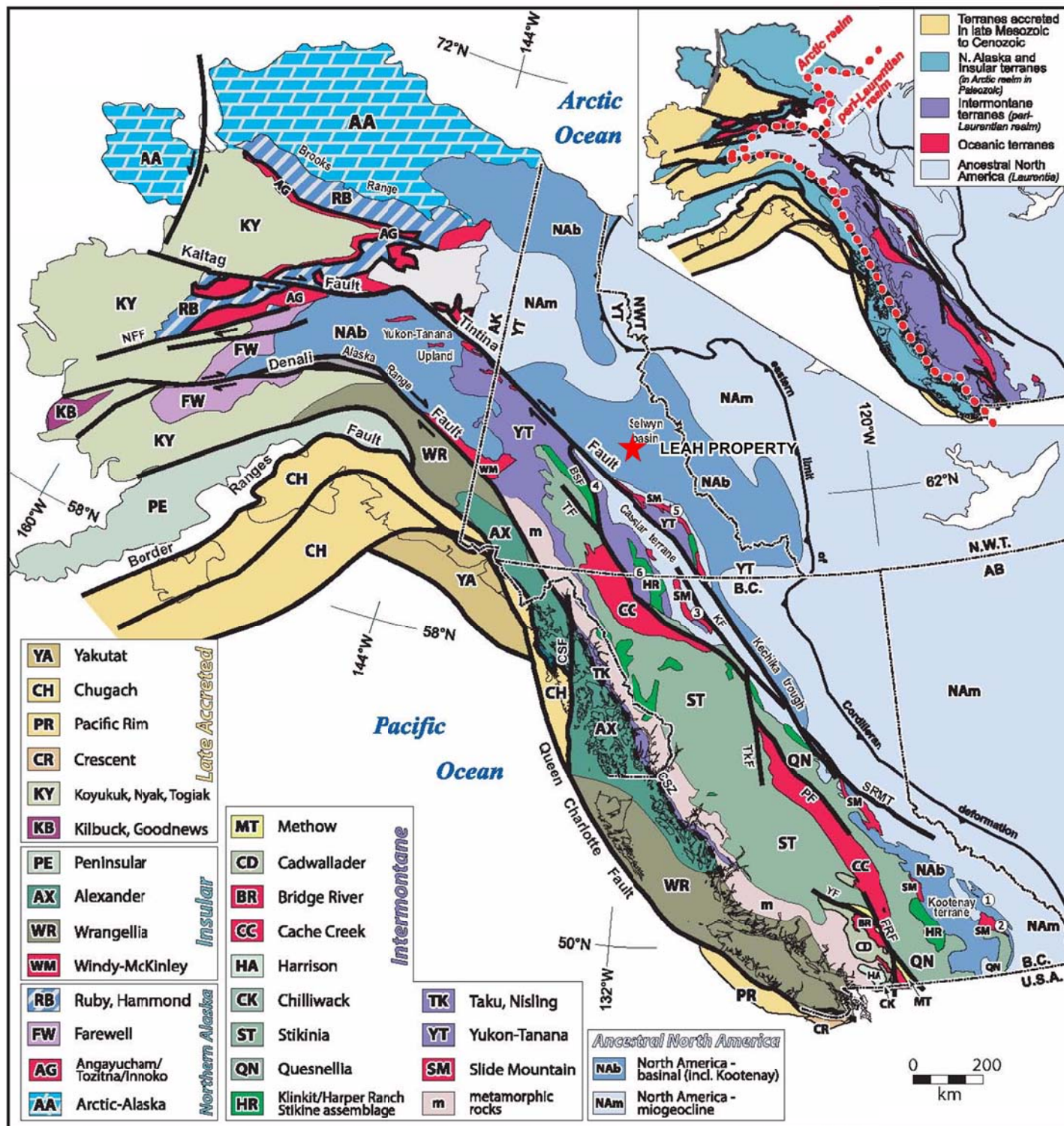
The climate in the Leah property area is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. The property is mostly snow free from late May to late September.

GEOLOGY

In 1995 and 2003, the GSC and Yukon Geological Survey (YGS) published geological maps of the Lansing Range map sheet (NTS 105N) at 1:125,000 and 1:250,000 scales, respectively (Roots *et.al.*, 1995 and Roots, 2003). In 2003, Gordey and Makepeace incorporated this data as part of a Yukon-wide geological compilation. The following geological descriptions are based on the published data.

The Leah property is located within northern Selwyn Basin (Figure 3), a predominantly off-shelf meta-sedimentary and meta-volcanic sequence that formed on the western margin of the North American craton from Upper Proterozoic to Lower Paleozoic times.

The geology of the Lansing Range map sheet includes seven sedimentary units (Figure 4). The basal sequence of Hyland Group, Gull Lake Formation and Road River Group represents clastic fill and deep water chemical precipitate of Upper Proterozoic and Lower Paleozoic age. The Mid-Paleozoic Earn Group conformably and locally unconformably overlies the basal sequence and dominantly consists of black shale and marine conglomerate (Roots, 2003). The younger strata have more limited extent and comprise Mississippian to Triassic sedimentary successions (Keno Hill Quartzite, Mount Christie Group and Jones Lake Formation). Numerous Mid-Cretaceous Selwyn Suite igneous bodies cut the sedimentary package throughout the region. A large area at the centre of the map sheet is covered by Quaternary unconsolidated glacial, glaciofluvial and glaciolacustrine deposits. The units are described in Table I.



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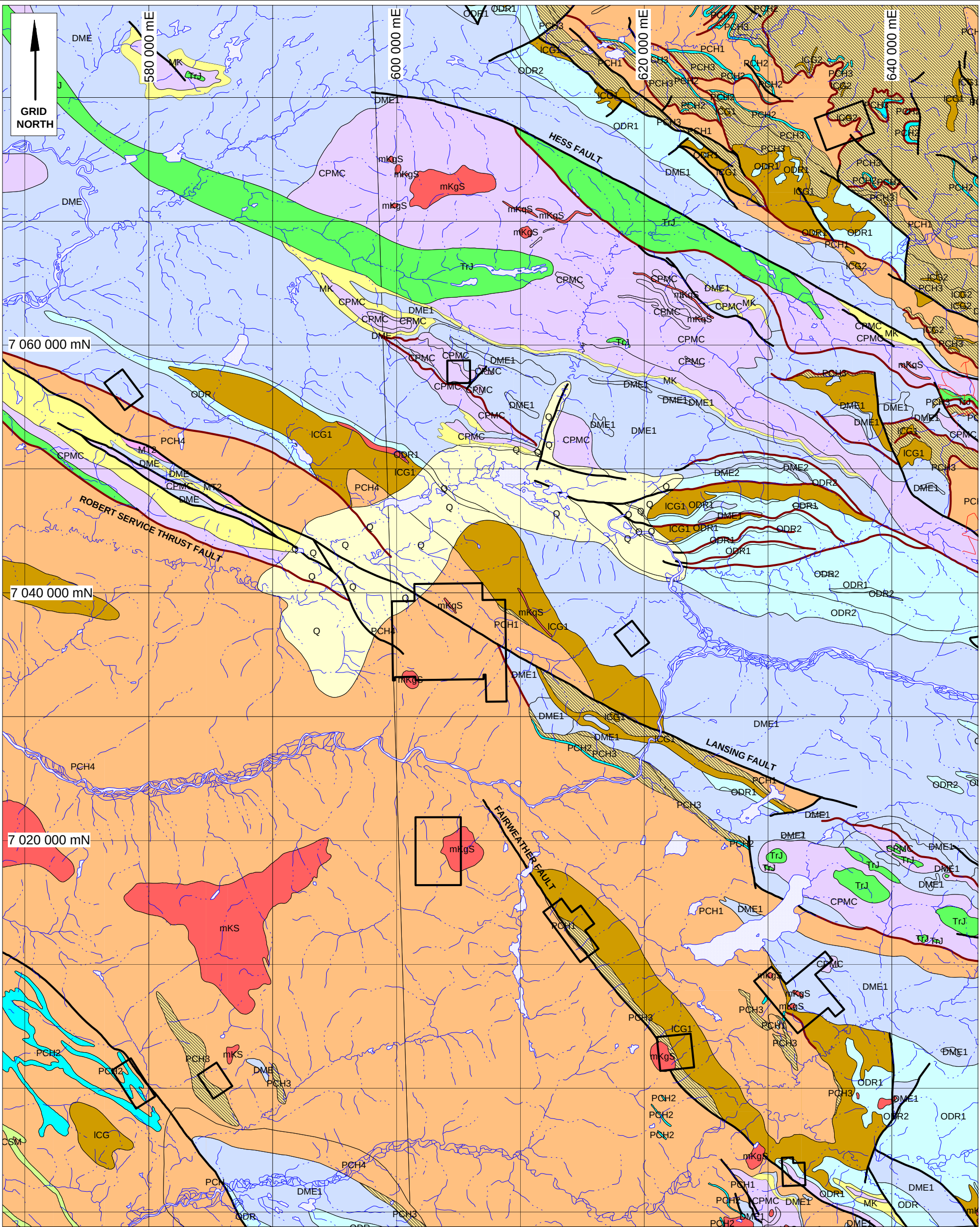
FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

LEAH PROPERTY

UTM ZONE 8, NAD 83, 105N/03



- Fault (movement unknown)
- Thrust fault (dip unknown)
- See accompanying lithological legend

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FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

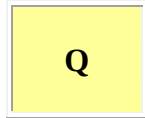
REGIONAL GEOLOGY
LEAH PROPERTY

0 5 10 km
UTM ZONE 8, NAD 83, NTS 105N

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GEOLOGICAL LEGEND TO ACCOMPANY FIGURE 4

QUATERNARY



Q: QUATERNARY

unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluvial silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

MID-CRETACEOUS



mKS: SELWYN SUITE

plutonic suite of intermediate (g) to more felsic composition (q) and rarely syenitic (y); equivalent felsic dykes (f); complete compositional gradation so that these designations are somewhat arbitrary

q. equigranular to porphyritic (K-feldspar) biotite +/- hornblende +/- muscovite granite, quartz monzonite and granodiorite; porphyritic biotite hornblende granite with large smoky grey quartz phenocrysts and locally K-feldspar phenocrysts (Selwyn Suite)

g. resistant, blocky, fine to coarse grained equigranular to porphyritic (K-feldspar) biotite quartz monzonite and granodiorite and minor quartz diorite; minor leuco-quartz monzonite and syenite (Selwyn Suite)

MIDDLE TO UPPER TRIASSIC



TrJ: JONES LAKE

brown to buff weathering, calcareous fine grained sandstone, argillite and shale; extensive ripple cross-lamination and bioturbation; massive, light grey weathering, fine crystalline, dark grey limestone; minor orange weathering platy limestone (Jones Lake)

CARBONIFEROUS TO PERMIAN



CPMC: MOUNT CHRISTIE

burrowed, interbedded greenish grey cherty shale and green shale; thin to medium bedded, light grey-green to black chert; black siliceous slate and siltstone; minor quartzite, limestone and dolostone; locally abundant, large grey barite nodules (Mount Christie)

MISSISSIPPIAN



MK: KENO HILL

massive to thick bedded quartz arenite; thin to medium bedded quartz arenite interstratified with black shale or carbonaceous phyllite; local scour surfaces and shale intraclasts; locally foliated and lineated (Keno Hill Quartzite)

MISSISSIPPIAN

MT

MT: TAY

mixed, generally fine clastic and carbonate assemblage (1) with locally thick regionally mappable carbonate horizons (2)

2. grey and buff weathering, generally thick bedded to massive, dark grey to black fetid limestone; fine crystalline to cryptocrystalline; commonly bioclastic

DEVONIAN AND MISSISSIPPIAN

DME

DME: EARN

complex assemblage of submarine fan and channel deposits (1), (5) within black siliceous shale and chert (2), (4) and including separated small occurrences of felsic volcanic rocks (3); barite common and many occurrences of stratiform Pb-Zn

1. thin bedded, laminated slate with thin to thickly interbedded fine to medium grained chert-quartz arenite and wacke; thick members of chert pebble conglomerate; black siliceous siltstone; nodular and bedded barite; rare limestone (Earn Gp., Portrait Lake and Prevost)

ORDOVICIAN TO LOWER DEVONIAN

ODR

ODR: ROAD RIVER - SELWYN

black shale and chert (1) overlain by orange siltstone (2) or buff platy limestone (3); locally contains beds as old as Middle Cambrian (4); correlations with basinal strata in Richardson Mountains include: ODR1 with CDR2 (upper part) and ODR2 with CDR4 (Road River Gp.)

1. black, gun-blue, or silvery white weathering black graptolitic shale and black chert; resistant grey weathering, thin to medium bedded, light grey to black, greenish grey or turquoise chert; minor argillaceous limestone (Road River Gp., Duo Lake and Elmer Creek)
2. rusty dark green to orange buff weathering, pyritic, burrowed, thin to thick bedded, argillite and dolomitic siltstone with members or partings of black shale and chert; minor bright orange dolostone (Road River Gp., Steel)

LOWER CAMBRIAN

ICG

ICG: GULL LAKE

dominantly fine clastic assemblage (1) with local volcanic units (2)

1. shale, siltstone and mudstone, locally bioturbated, with minor quartz sandstone; rare green-grey chert; local basal limestone and limestone conglomerate; phyllite to quartz-muscovite-biotite schist (+/-garnet +/-sillimanite +/-staurolite +/-andalusite) (Gull Lake)

2. dark green massive to fragmental mafic meta-volcanic and volcanoclastic rocks; siltstone and argillite

UPPER PROTEROZOIC TO LOWER CAMBRIAN

PCH

PCH: HYLAND

consists upwards of coarse turbiditic clastics (1), limestone (2) and fine clastics typified by maroon and green shale (3); may include younger (4) units; includes scattered mafic volcanic rocks (5) (Hyland Gp.)

PCH2

1. thin to thick bedded, brown to pale green shale, fine to coarse grained quartz-rich sandstone, grit, and quartz-pebble conglomerate; minor argillaceous limestone; phyllite, quartzofeldspathic and micaceous psammite, gritty psammite and minor marble (Hyland Gp., Yusezyu)
2. grey weathering, dark grey to grey white, thin to thick bedded, very fine crystalline limestone, locally sandy; calc-silicate and marble; may locally include carbonate members within (1) or (4) (Hyland Gp., Algae Lake , limestone member of Yusezyu)
3. distinctive, recessive, maroon weathering, interbedded maroon and apple-green slate; "Oldhamia" trace fossils; rare grey chert; locally basal member and interbeds of quartz siltstone, sandstone and quartz-pebble conglomerate (Hyland Gp., Narchilla , Senoah , Arrowhead Lake)
4. quartzose clastic rocks as described in (1); mostly(?) equivalent to (1) but may include younger units (Hyland Gp., mostly(?) Yusezyu)

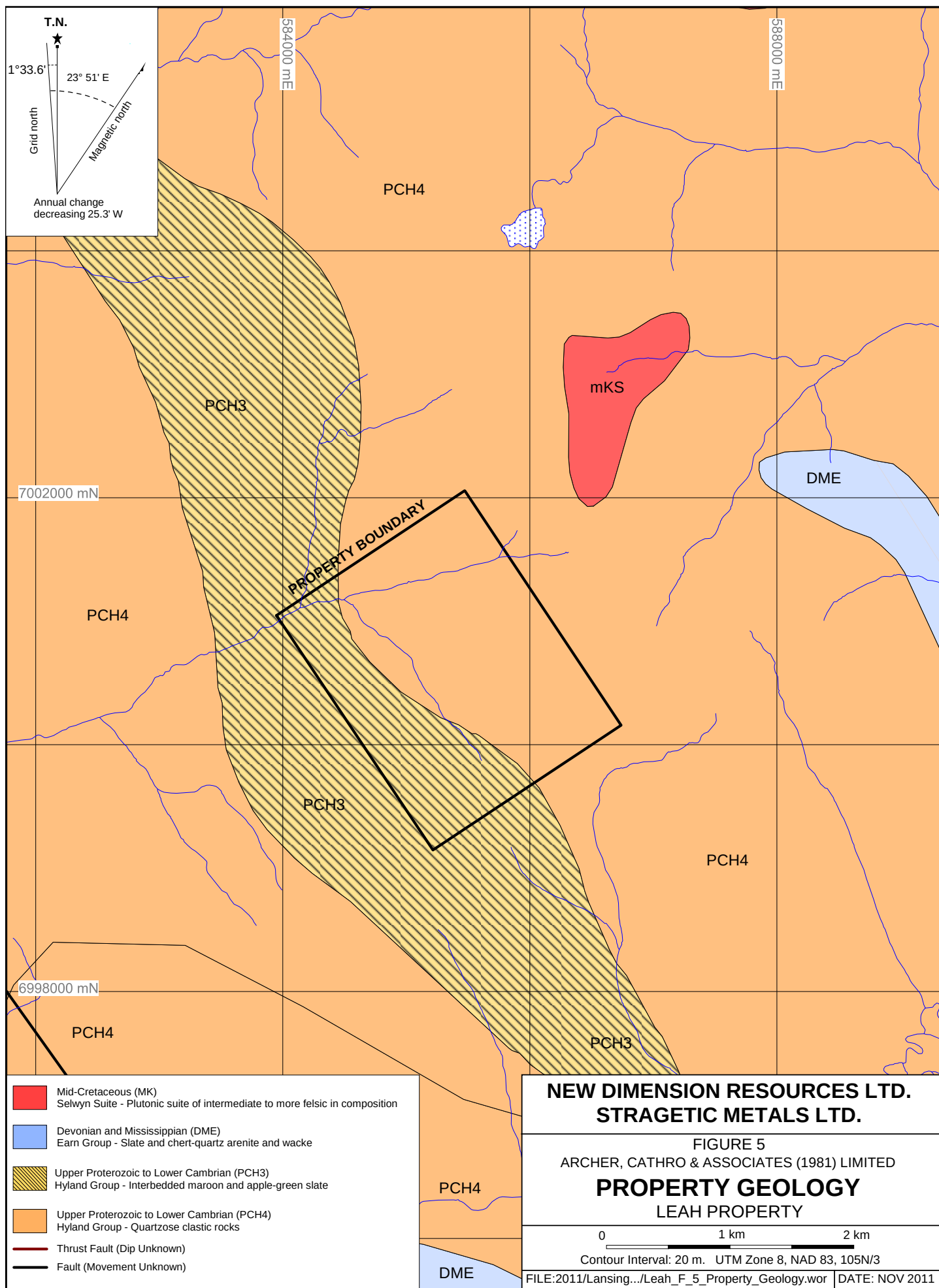
Table I – Lithological Units (after Gordey and Makepeace, 2003)

Unit Name	Map Name	Age	Description
Q	Quaternary	Quaternary	Unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits.
mKgS	Selwyn Suite	Mid-Cretaceous	Mainly hornblende and hornblende/biotite syenite, commonly porphyritic (potassium feldspar phenocrysts), uneven textured, mostly medium grained, locally fine or coarse grained; minor diorite; hornblende syenite.
TrJ	Jones Lake Formation	Triassic	Brown to buff weathering, calcareous fine grained sandstone, argillite and shale; extensive ripple cross-lamination and bioturbation; massive, light grey weathering, fine crystalline, dark grey limestone; minor orange weathering platy limestone.
CPMC	Mount Christie Formation	Carboniferous to Permian	Burrowed, interbedded greenish grey cherty shale and green shale; thin to medium bedded, light grey-green to black chert; black siliceous slate and siltstone; minor quartzite, limestone and dolostone; locally abundant, large grey barite nodules.
MK	Keno Hill Quartzite	Mississippian	Massive to thick bedded quartz arenite; thin to medium bedded quartz arenite interstratified with black shale or carbonaceous phyllite; local scour surfaces and shale intraclasts; locally foliated and lineated.
MT2	Tay Formation	Mississippian	Grey and buff weathering, generally thick bedded to massive, dark grey to black fetid limestone; fine crystalline to cryptocrystalline; commonly bioclastic.
DME	Earn Group	Devonian and Mississippian	Thin bedded, laminated slate with thin to thickly interbedded fine to medium grained chert-quartz arenite and wacke; thick members of chert pebble conglomerate; black siliceous siltstone; nodular and bedded barite; rare limestone.
ODR1	Road River Group	Ordovician to Lower Devonian	Black, gun-blue, or silvery white weathering black graptolitic shale and black chert; resistant grey weathering, thin to medium bedded, light grey to black,

			greenish grey or turquoise chert; minor argillaceous limestone.
ICG1	Gull Lake Formation	Lower Cambrian	Shale, siltstone and mudstone, locally bioturbated, with minor quartz sandstone; rare green-grey chert; local basal limestone and limestone conglomerate; phyllite to quartz-muscovite-biotite schist (+/-garnet +/-sillimanite +/-staurolite +/-andalusite).
PCH (undivided)	Hyland Group	Upper Proterozoic to Lower Cambrian	Consists upwards of coarse turbiditic clastics (1), limestone (2) and fine clastics typified by maroon and green shale (3).
PCH1			Thin to thick bedded, brown to pale green shale, fine to coarse grained quartz-rich sandstone, grit, and quartz-pebble conglomerate; minor argillaceous limestone; phyllite, quartzofeldspathic and micaceous psammite, gritty psammite and minor marble.
PCH2			Grey weathering, dark grey to grey white, thin to thick bedded, very fine crystalline limestone, locally sandy; calc-silicate and marble.
PCH3			Distinctive, recessive, maroon weathering, interbedded maroon and apple-green slate; "Oldhamia" trace fossils; rare grey chert; locally basal member and interbeds of quartz siltstone, sandstone and quartz-pebble conglomerate.
PCH4			Quartzose clastic rocks as described in (1); mostly(?) equivalent to (1) but may include younger units

Bedding and structure on the Lansing Range map sheet are dominated by a northwesterly trend. Significant thrust, strike-slip and extensional faults are present throughout the map sheet. The Leah property lies five kilometres northwest of an unnamed high-angle fault and thirty kilometres southwest of the Fairweather Fault, which is a regional-scale high angle fault (Figure 5). All of the major faults pre-date Mid-Cretaceous plutonism, as evidenced by cross-cutting relationships and several plugs that are emplaced along, but not offset by the Fairweather Fault. Bedding is variable throughout the map sheet, but generally trends northwesterly, and dips moderately to the southwest.

The Leah property is underlain by Hyland Group quartzose clastic rocks (PCH4) in the northeast half and conformable maroon and apple-green slate (PCH3) in the southwest half. A small Selwyn Suite plug is located approximately one kilometre northeast of the property, while a large pluton lies five kilometres to the north.



MINERALIZATION

New Dimension collected 11 rock samples from the southwest quadrant of the property in 2011. Sample locations are shown on Figure 6, while results for arsenic, gold and antimony are illustrated thematically on Figures 7, 8 and 9, respectively. Rock Sample Descriptions appear in Appendix II and Certificates of Analysis are given in Appendix III.

Rock geochemical sample sites on the property were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit. Multi-element analyses for rock samples were carried out at ALS Chemex in Whitehorse, Yukon and/or North Vancouver, B.C. Each sample was dried, fine crushed to better than 70% passing 2 mm and a 250 g split was pulverized to better than 85% passing 75 microns. The fine fraction was analyzed for 51 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS41). An additional 25 g charge was further analysed for gold by aqua regia digestion with inductively coupled plasma mass spectroscopy finish (Au-TL44).

Rock samples collected on the property largely comprise orange weathering, variably silicified, weakly pyritiferous and/or limonitic shale, quartzite and sandstone; brown to black limonite with brecciated, tabular quartz vein fragments; and massive quartz veins.

The best results came from a composite sample taken within a 50 by 50 m kill zone. That sample (K976771) comprised three cobbles of knubbly brown-purple weathering, orange-purple limonite with tabular quartz fragments. It yielded 1.38 g/t gold, 1620 ppm arsenic and 58.6 ppm antimony.

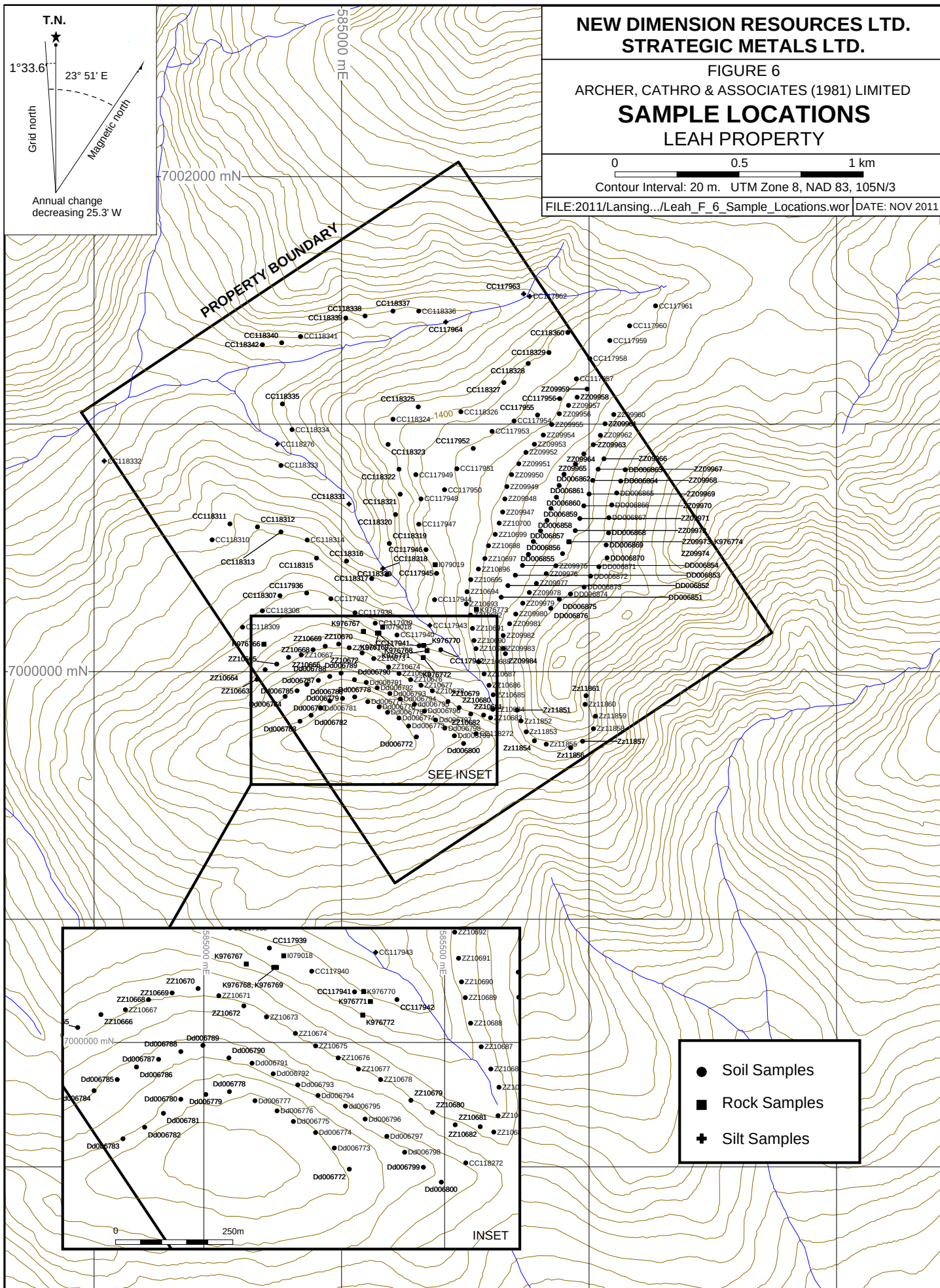
The samples of silicified clastic rocks and quartz vein returned variable results, ranging from 0.002 to 0.071 g/t gold (average of 0.025 g/t), 40.4 to 1300 ppm arsenic (average of 572 ppm) and 0.53 to 14.35 ppm antimony (average of 3.09 ppm).

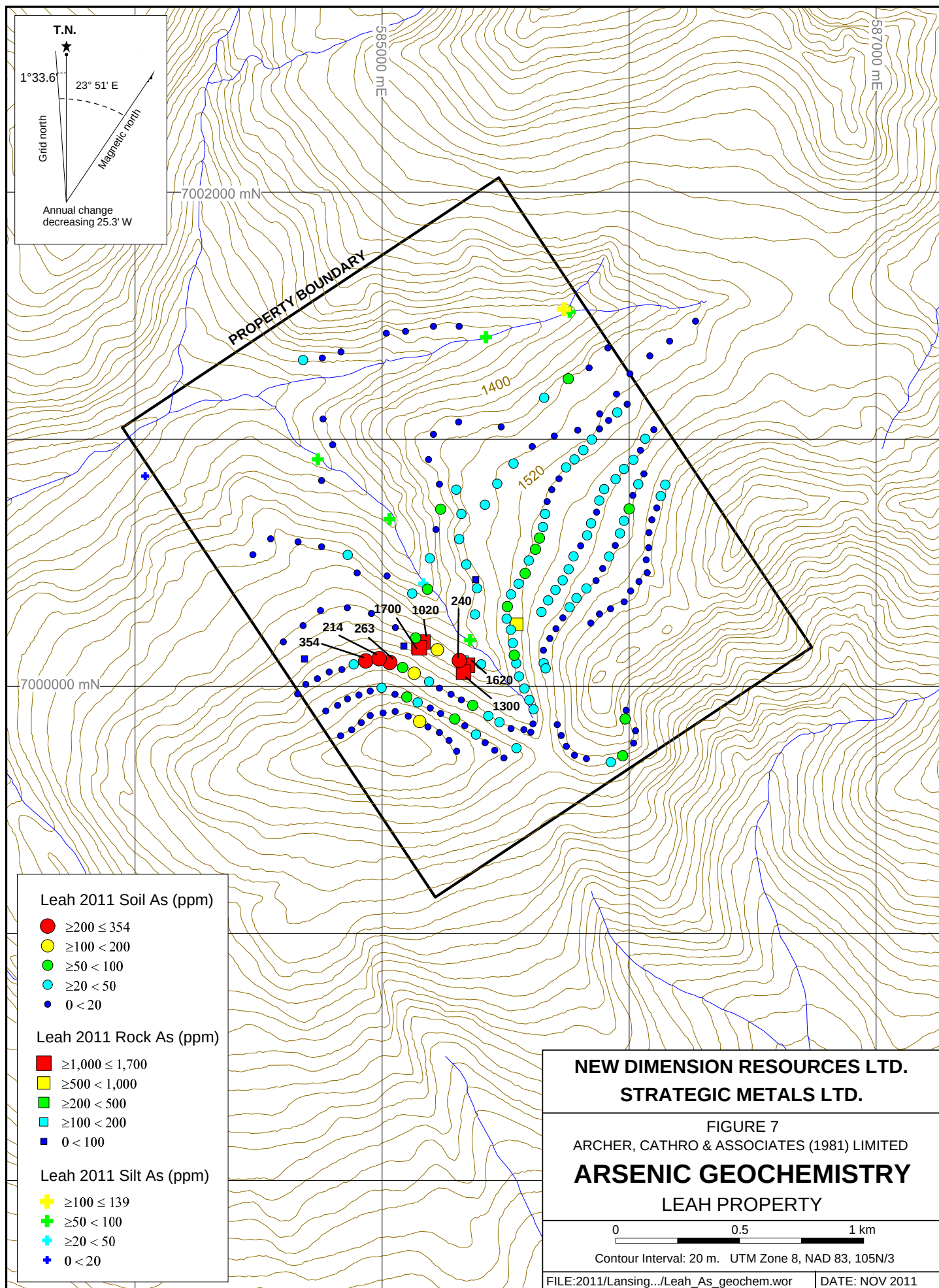
STREAM SEDIMENT AND SOIL GEOCHEMISTRY

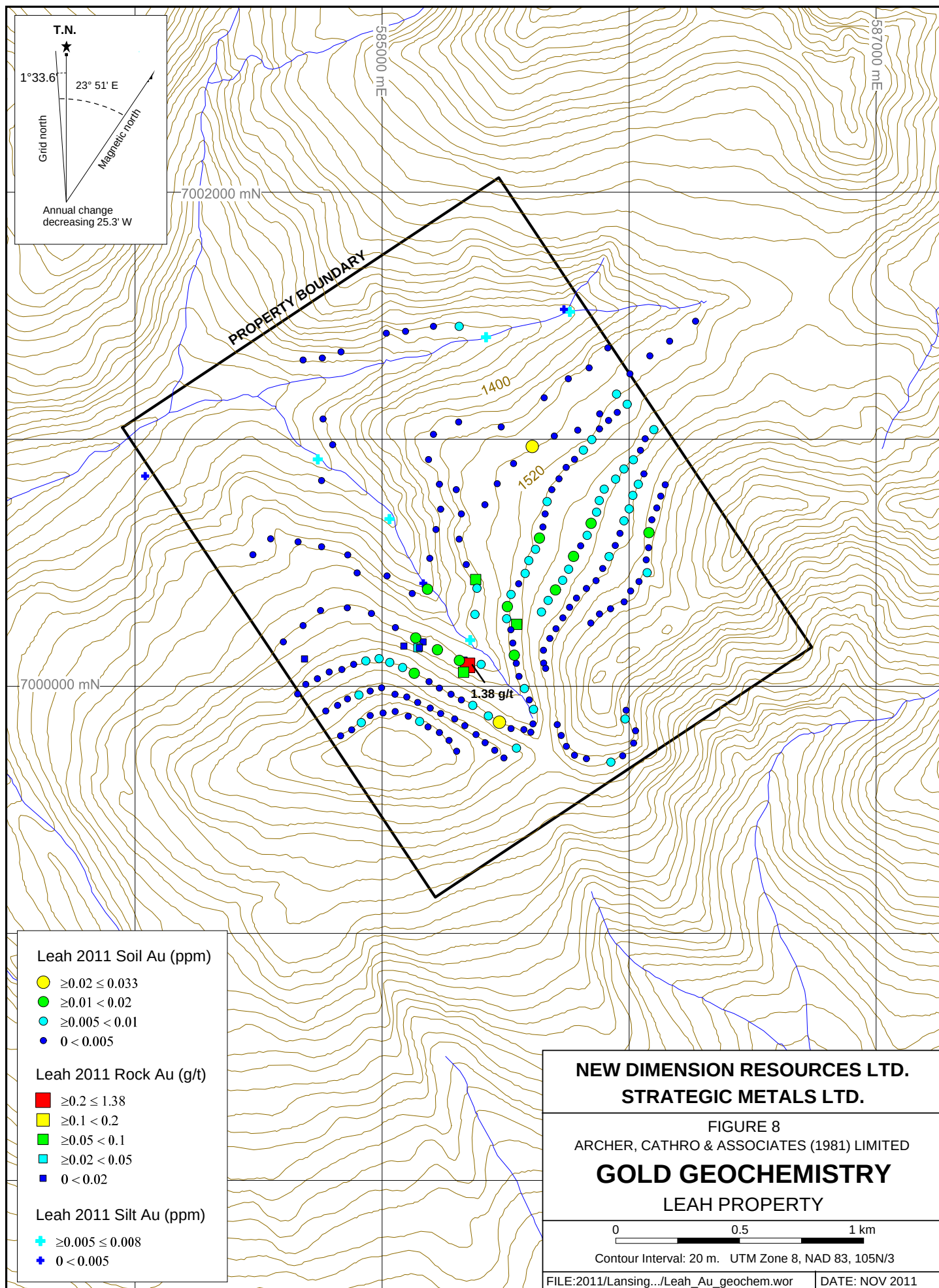
Regional stream sediment samples collected by the GSC from creeks draining the property yielded weakly to moderately anomalous arsenic, bismuth, gold and antimony values (Day et al, 2009).

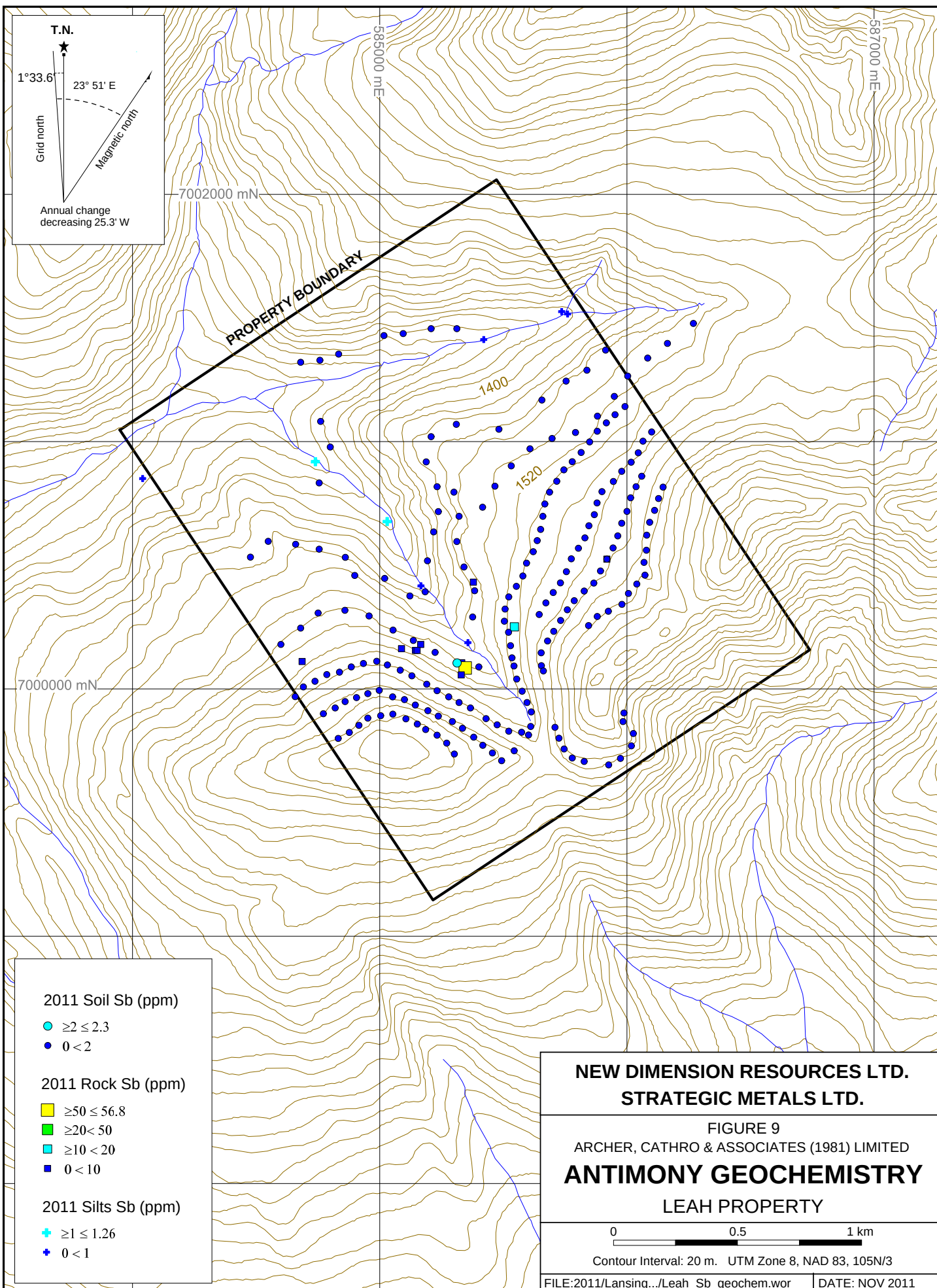
In 2011, New Dimension collected eight stream sediment and 202 contour soil samples on the property. Sample locations are plotted on Figure 6, while results for arsenic, gold and antimony are illustrated thematically on Figures 7, 8 and 9, respectively. Certificates of Analysis are provided in Appendix III.

Stream sediment samples were collected from creeks by hand, while soil samples were collected from 10 to 40 cm deep holes dug by hand-held auger. All samples were placed into individually pre-numbered Kraft paper bags. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m wooden lath that were driven into the ground. All sample locations were recorded using hand-held GPS units.









All samples were sent to ALS Chemex in Whitehorse, Yukon and/or Vancouver, B.C., where they were dried, screened to -180 microns, and then analyzed for 51 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS41). An additional 25 g charge was further analysed for gold by aqua regia digestion with inductively coupled plasma mass spectroscopy finish (Au-TL43).

The stream sediment samples yielded weakly to moderately elevated arsenic values (50 to 139 ppm) with background values for gold and antimony.

A 200 by 500 m arsenic $\pm$ gold soil anomaly was outlined in the southwestern part of the property. Values within this anomaly range from 50 to 354 ppm arsenic and 10 to 33 ppb gold. Antimony values are subdued for all samples.

DISCUSSION AND CONCLUSIONS

New Dimension's work program was designed to test the economic potential (particularly gold) of the Leah property. It successfully identified encouraging gold, arsenic and antimony values from rock geochemical samples, which were collected within a 200 by 500 m band of weakly to moderately elevated gold and arsenic soil values.

Additional exploration is needed on the Leah property to constrain the extent, nature and controls of the mineralization. Soil sampling appears to be an effective tool for identifying mineralization and as such, future work should consist of closely spaced (50 by 50 m) grid soil sampling in the vicinity of the known mineralization. After results of the soil sampling are received, systematic prospecting should be carried out. At least one hand trench should be excavated to test the auriferous kill zone and if overburden is not too deep, trenching should be used to follow up other surface mineralization and/or soil anomalies. Detailed geological mapping should be performed in anomalous areas.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Andrew Mitchell, B.Sc.

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Roots, C.F., Abbott, J.G., Cecile, M.P. and Gordey, S.P.

- 1995 Bedrock geology of Lansing Range map area (105N) east half, Hess Mountains, Yukon; Indian and Northern Affairs Canada Open File 1995-7 or Geological Survey of Canada Open File 3171.

Yukon Geological Survey

- 2010 Geoprocess File Summary Report for Mayo Map Area N.T.S. 105M;
Available at: http://ygsftp.gov.yk.ca/publications/openfile/2002/of2002_8d_geoprocess_file/documents/map_specific/105m.pdf

APPENDIX I

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Andrew Mitchell, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 2010 with a B.Sc. in Earth and Environmental Sciences.
2. From 2010 to present, I have been actively engaged in mineral exploration in Yukon Territory.
3. I have interpreted all data resulting from this work

Andrew Mitchell, B.Sc.

APPENDIX II

ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions			Project: <u>Lansing</u>	Property: <u>Leah</u>	Nad83	Zone8
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K976766	UTM:	584686 E	UTM:	7000111 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: 1 cobble of orange-grey weathering, buff sandstone(?) with strong quartz veining. Poking out of moss. Trace pyrite.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K976767	UTM:	585088 E	UTM:	7000163 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: 1 block of grey-brown weathering, moderate quartz vein (up to 2 cm) within buff to light grey quartzite. Locally strongly vuggy with quartz crystals and light brown limonite in open spaces.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K976768	UTM:	585145 E	UTM:	7000156 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: 1 large block (about 40 x 30 x 20 cm) of knobby grey weathering, orange-black limonite and very soft, strongly altered(?) orange hose with "worms" of quartz vein (about 1 cm long by 0.3 cm wide pieces). Hard black matrix around quartz pieces. Minor, small quartz crystals in open spaces.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K976769	UTM:	585151 E	UTM:	7000156 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Composite sample (6 pieces over 3 x 3 m area) of dark rusty-brown, variably limonitic rocks - goethite (dark brown-black, dense), strongly weathere/alterd orangey maroon shale with limonite and quartz worms. Collected in talus in area of exposed rocks in moss.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K976770	UTM:	585332 E	UTM:	7000106 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: 1 small cobble in talus of strongly rusty weathering, strongly limonitic brecciated orange-maroon shale with quartz vein. In kill zone.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K976771	UTM:	585346 E	UTM:	7000085 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: In kill zone, 3 cobbles of knobby brown-purple weathering, orange-purple limonite with quartz "worms" - fragments about 2 cm long x 0.4 cm wide. Composite sample of all 3.						

Rock Sample Descriptions			Project: <u>Lansing</u>	Property: <u>Leah</u>	Nad83	Zone8
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K976772	UTM:	585330 E	UTM:	7000057 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: At top of second kill zone - several large blocks of bull quartz (not sampled) and one large cobble of rusty limonite with about 1/3 quartz vein.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K976773	UTM:	585545 E	UTM:	7000251 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Knubbly and rusty weathering, orange, clay altered(?) shale with abundant quartz vein and weak to moderate limonite. In talus in area with abundant quartz vein float.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K976774	UTM:	585919 E	UTM:	7000525 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: 1 small cobble of rusty weathering, grey sandstone(?) with strong, rusty to limonitic fractures.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079018	UTM:	585166 E	UTM:	7000180 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Limonite with abundant manganese blebs. Two float boulders within shale talus.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079019	UTM:	585379 E	UTM:	7000432 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Intensely rusty quartzite with quartz veins and fine disseminated pyrite. Moderately abundant boulders within shale talus.						

APPENDIX III
CERTIFICATES OF ANALYSIS



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Account: F

CERTIFICATE WH11149867

Project: Lansing-Leah

P.O. No.:

This report is for 9 Rock samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2011.

The following have access to data associated with this certificate:

DOUG EATON

SARAH EATON

JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS41	51 anal. aqua regia ICPMS
Au-AA24	Au 50g FA AA finish AAS

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Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11149867

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1
K976766		0.33	<0.005	0.06	0.45	55.7	<0.2	<10	230	0.29	0.07	0.03	0.19	31.8	11.3	15
K976767		0.41	<0.005	0.06	0.36	68.3	<0.2	<10	50	0.21	0.13	0.04	0.05	50.3	9.3	11
K976768		0.33	0.023	0.39	0.29	715	<0.2	<10	400	0.80	0.10	0.04	1.62	30.1	170.5	1
K976769		0.35	0.019	0.42	0.41	1700	<0.2	<10	550	3.83	0.74	0.05	0.52	34.4	130.5	1
K976770		0.21	0.006	0.17	0.86	146.5	<0.2	<10	50	3.50	0.42	0.03	0.25	25.2	84.6	6
K976771		0.42	1.380	1.10	0.18	1620	1.4	<10	20	0.50	0.15	0.02	0.13	12.85	18.9	5
K976772		0.39	0.071	0.24	0.22	1300	<0.2	<10	20	0.43	0.07	0.04	0.08	17.70	24.5	5
K976773		0.34	0.064	0.18	0.34	582	<0.2	<10	30	0.15	0.24	0.01	0.06	30.6	1.2	10
K976774		0.12	0.006	0.04	0.33	40.4	<0.2	<10	30	0.16	0.17	<0.01	0.04	9.67	1.6	7



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CERTIFICATE OF ANALYSIS WH11149867

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm 0.05	ppm 0.2	% 0.01	ppm 0.05	ppm 0.05	ppm 0.02	ppm 0.01	ppm 0.005	% 0.01	ppm 0.2	ppm 0.1	% 0.01	ppm 5	ppm 0.05
K976766		0.67	13.5	1.82	1.29	<0.05	0.26	0.01	0.016	0.08	14.3	10.3	0.02	3270	0.55
K976767		0.67	8.4	2.14	1.26	0.07	0.21	<0.01	0.010	0.11	23.4	2.6	0.01	1860	1.61
K976768		1.57	32.2	9.75	7.88	0.20	0.09	0.12	0.025	0.51	10.5	14.0	0.01	>50000	3.83
K976769		1.04	105.0	26.8	3.42	0.59	0.11	0.06	0.022	0.14	14.2	20.4	0.02	24700	1.97
K976770		0.52	109.0	12.90	1.22	0.23	0.17	0.06	0.052	0.05	10.5	5.5	0.01	3470	9.42
K976771		0.75	23.6	9.98	0.72	0.16	0.03	0.04	0.014	0.05	6.5	3.4	<0.01	420	3.49
K976772		0.43	21.7	16.65	0.75	0.30	0.06	0.02	0.012	0.02	8.5	8.8	<0.01	692	1.66
K976773		0.63	31.6	4.57	1.71	0.08	0.16	0.12	0.018	0.13	14.6	1.3	0.01	50	0.36
K976774		1.06	6.6	2.95	0.95	<0.05	0.10	0.11	0.013	0.09	4.6	4.9	0.01	131	0.48



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CERTIFICATE OF ANALYSIS WH11149867

Sample Description	Method Analyte Units LOR	ME-MS41 Nb ppm 0.05	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2
K976766		<0.05	10.9	280	14.5	4.0	<0.001	<0.01	0.44	1.7	<0.2	0.2	8.0	<0.01	0.01	9.8
K976767		0.05	10.2	360	10.2	5.6	<0.001	<0.01	0.94	1.0	<0.2	0.2	15.3	<0.01	0.01	19.0
K976768		0.23	36.5	1580	14.7	9.1	0.001	0.03	2.66	3.0	0.7	<0.2	767	0.01	0.03	5.6
K976769		0.57	126.0	3170	44.6	4.1	0.001	0.01	1.72	5.1	1.1	<0.2	151.0	0.02	0.08	5.9
K976770		0.23	102.5	1560	46.6	2.4	0.001	0.06	1.07	7.3	1.3	<0.2	33.7	0.02	0.05	13.8
K976771		0.17	56.5	720	42.6	2.7	<0.001	0.07	56.8	1.0	2.1	0.7	5.3	<0.01	0.38	2.3
K976772		0.32	79.9	850	12.5	1.3	<0.001	<0.01	7.36	1.8	0.8	<0.2	8.4	0.01	0.04	3.2
K976773		0.12	2.1	140	22.9	6.1	<0.001	0.01	14.35	1.0	0.7	0.3	70.5	<0.01	0.02	7.8
K976774		0.07	2.0	360	21.8	4.6	<0.001	0.01	1.22	0.7	<0.2	0.2	20.8	<0.01	0.02	3.6



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CERTIFICATE OF ANALYSIS WH11149867

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	TI	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
K976766		<0.005	0.03	0.93	5	0.07	2.62	49	10.6
K976767		<0.005	0.04	1.71	3	0.08	3.94	55	8.3
K976768		<0.005	0.04	3.73	1	7.38	13.95	355	5.0
K976769		<0.005	0.12	5.04	3	9.60	25.8	282	2.8
K976770		<0.005	0.02	28.7	2	1.94	18.55	318	5.8
K976771		<0.005	0.04	0.72	2	3.57	6.98	272	0.6
K976772		<0.005	0.02	2.11	2	1.85	9.16	386	1.3
K976773		<0.005	0.04	0.74	4	0.20	2.20	57	6.6
K976774		<0.005	0.03	0.39	9	0.09	1.00	14	4.5



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CERTIFICATE OF ANALYSIS WH11149867

Method	CERTIFICATE COMMENTS
ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).



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CERTIFICATE WH11149863

Project: Lansing - Leah

P.O. No.:

This report is for 142 Soil samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2011.

The following have access to data associated with this certificate:

DOUG EATON

SARAH EATON

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-TL43	Trace Level Au - 25g AR	ICP-MS
ME-MS41	51 anal. aqua regia ICPMS	

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Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11149863

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-TL43 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD006851		0.22	0.006	0.09	1.32	34.0	<0.2	<10	70	0.42	0.33	0.06	0.09	45.1	8.3	16
DD006852		0.22	0.006	0.08	1.45	20.3	<0.2	<10	100	0.45	0.27	0.09	0.16	28.5	9.9	20
DD006853		0.22	0.010	0.06	1.06	44.3	<0.2	<10	80	0.37	0.33	0.04	0.15	54.7	11.8	14
DD006854		0.16	0.005	0.08	1.15	29.1	<0.2	<10	80	0.44	0.29	0.05	0.14	36.5	8.8	14
DD006855		0.26	0.008	0.09	1.40	27.1	<0.2	<10	90	0.59	0.33	0.10	0.17	55.3	11.0	21
DD006856		0.24	0.012	0.05	1.30	30.1	<0.2	<10	100	0.61	0.36	0.09	0.17	65.0	15.2	19
DD006857		0.18	0.004	0.11	0.70	10.5	<0.2	<10	150	0.43	0.20	0.11	0.06	19.30	4.6	10
DD006858		0.18	0.006	0.07	1.04	28.7	<0.2	<10	90	0.51	0.37	0.05	0.10	52.3	14.7	17
DD006859		0.20	0.016	0.05	1.32	45.1	<0.2	<10	110	0.62	0.39	0.10	0.16	59.5	16.3	19
DD006860		0.22	0.006	0.05	1.08	17.6	<0.2	<10	60	0.31	0.27	0.07	0.10	35.0	9.2	15
DD006861		0.20	0.005	0.09	0.94	22.5	<0.2	<10	80	0.38	0.26	0.05	0.07	42.6	8.2	13
DD006862		0.28	0.007	0.11	1.09	31.9	<0.2	<10	110	0.51	0.39	0.09	0.18	61.1	13.0	18
DD006863		0.22	0.002	0.07	1.29	22.9	<0.2	<10	60	0.56	0.45	0.07	0.13	65.8	15.3	19
DD006864		0.26	0.003	0.07	1.21	43.8	<0.2	<10	70	0.69	0.45	0.13	0.12	58.0	17.0	18
DD006865		0.14	0.001	0.09	1.02	19.8	<0.2	<10	40	0.40	0.27	0.04	0.11	25.7	5.0	10
DD006866		0.18	0.001	0.07	0.77	15.4	<0.2	<10	40	0.34	0.31	0.05	0.07	38.1	6.8	12
DD006867		0.22	0.013	0.05	0.86	19.8	<0.2	<10	70	0.39	0.39	0.06	0.16	37.2	8.1	13
DD006868		0.22	0.001	0.04	0.38	3.3	<0.2	<10	20	0.06	0.14	0.03	0.04	12.95	1.9	6
DD006869		0.22	0.001	0.31	1.06	10.3	<0.2	<10	60	0.24	0.38	0.05	0.09	28.5	7.3	16
DD006870		0.18	0.005	0.10	0.99	8.1	<0.2	<10	50	0.33	0.43	0.05	0.05	37.2	12.5	15
DD006871		0.22	0.001	0.08	0.43	2.6	<0.2	<10	30	0.09	0.18	0.02	0.05	21.8	1.8	7
DD006872		0.22	0.002	0.05	0.73	6.4	<0.2	<10	60	0.15	0.42	0.03	0.06	37.5	3.1	13
DD006873		0.24	0.002	0.06	1.80	10.7	<0.2	<10	100	2.01	0.33	0.10	0.20	40.2	8.2	25
DD006874		0.24	0.001	0.07	0.73	8.5	<0.2	<10	50	0.29	0.44	0.05	0.12	34.4	4.2	16
DD006875		0.28	0.002	0.04	1.47	9.9	<0.2	<10	60	0.31	0.28	0.06	0.12	27.9	5.7	21
DD006876		0.26	0.002	0.05	1.07	17.6	<0.2	<10	70	0.40	0.29	0.06	0.13	30.7	8.0	14
ZZ10663		0.18	0.002	0.12	1.53	14.8	<0.2	<10	110	0.63	0.38	0.08	0.16	46.1	14.0	23
ZZ10664		0.14	0.001	0.11	1.12	9.8	<0.2	<10	80	0.40	0.25	0.05	0.09	28.4	6.9	13
ZZ10665		0.08	0.001	0.12	0.91	4.1	<0.2	<10	60	0.18	0.15	0.05	0.06	14.95	2.5	9
ZZ10666		0.18	0.001	0.04	1.26	12.2	<0.2	<10	90	0.37	0.41	0.05	0.11	50.9	13.7	21
ZZ10667		0.10	0.001	0.06	0.89	4.2	<0.2	<10	40	0.22	0.12	0.07	0.08	10.15	2.9	7
ZZ10668		0.18	0.002	0.09	1.55	21.7	<0.2	<10	120	0.55	0.28	0.09	0.19	32.4	11.4	21
ZZ10669		0.28	0.008	0.17	1.53	354	<0.2	<10	100	0.57	0.36	0.11	0.15	42.0	13.4	24
ZZ10670		0.20	0.007	0.12	1.02	214	<0.2	<10	60	0.33	0.32	0.06	0.14	30.5	12.4	16
ZZ10671		0.22	0.007	0.19	1.41	263	<0.2	<10	110	0.69	0.45	0.08	0.24	46.6	24.7	20
ZZ10672		0.26	0.005	0.19	0.94	73.3	<0.2	<10	60	0.51	0.43	0.04	0.16	39.2	26.0	12
ZZ10673		0.34	0.019	0.23	0.78	164.0	<0.2	<10	70	0.79	0.62	0.04	0.16	68.9	34.4	12
ZZ10674		0.28	0.003	0.16	1.01	34.8	<0.2	<10	60	0.66	0.61	0.06	0.46	42.3	20.5	15
ZZ10675		0.30	0.002	0.08	0.99	13.7	<0.2	<10	50	0.67	0.56	0.07	0.19	85.0	21.9	16
ZZ10676		0.30	0.002	0.07	0.78	9.8	<0.2	<10	80	0.50	0.36	0.07	0.09	45.7	13.3	10



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CERTIFICATE OF ANALYSIS WH11149863

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
DD006851		4.23	24.2	2.93	4.15	0.12	<0.02	0.03	0.021	0.05	21.9	15.9	0.24	338	0.90
DD006852		2.81	26.6	2.61	4.43	0.11	<0.02	0.04	0.021	0.05	13.7	16.6	0.34	422	0.87
DD006853		2.22	25.2	3.49	3.54	0.11	<0.02	0.02	0.017	0.04	24.7	14.0	0.21	521	0.82
DD006854		3.13	27.3	2.59	3.84	0.12	<0.02	0.03	0.012	0.05	18.3	14.5	0.22	404	0.95
DD006855		3.71	41.4	3.10	4.42	0.13	<0.02	0.03	0.017	0.05	24.4	20.6	0.39	434	0.94
DD006856		2.63	42.2	3.46	3.73	0.14	0.03	0.02	0.021	0.05	32.1	23.6	0.38	891	0.91
DD006857		3.16	22.7	1.40	2.76	0.10	<0.02	0.02	0.010	0.04	10.2	8.5	0.14	162	0.54
DD006858		4.40	29.0	3.10	3.79	0.12	<0.02	0.02	0.015	0.04	24.3	16.3	0.28	903	0.92
DD006859		2.33	36.1	3.63	3.89	0.13	<0.02	0.02	0.022	0.05	27.5	23.2	0.36	905	1.00
DD006860		2.51	23.2	2.32	4.11	0.11	<0.02	0.03	0.016	0.04	15.9	12.7	0.24	439	1.02
DD006861		2.13	24.5	2.41	3.18	0.12	<0.02	0.03	0.013	0.03	20.5	15.8	0.23	286	0.67
DD006862		1.96	33.2	3.20	3.59	0.14	<0.02	0.02	0.017	0.05	28.2	20.6	0.35	659	0.87
DD006863		4.16	31.8	3.66	4.30	0.16	<0.02	0.02	0.015	0.04	31.0	24.1	0.39	801	0.98
DD006864		6.22	37.0	3.55	3.84	0.14	0.02	0.02	0.019	0.03	28.8	21.5	0.33	903	0.93
DD006865		5.32	21.7	1.99	3.04	0.10	<0.02	0.05	0.011	0.03	12.0	8.1	0.14	208	0.59
DD006866		4.57	18.7	2.35	3.40	0.12	<0.02	0.02	0.011	0.03	19.5	11.0	0.18	323	0.74
DD006867		6.68	24.8	2.58	3.90	0.11	<0.02	0.03	0.014	0.04	18.9	9.8	0.18	459	0.89
DD006868		1.46	7.8	0.95	2.22	0.08	<0.02	0.03	0.006	0.02	6.3	1.5	0.04	79	0.45
DD006869		4.84	22.4	2.71	5.10	<0.05	<0.02	0.04	0.019	0.04	13.8	9.7	0.17	665	1.44
DD006870		5.52	25.6	2.69	4.04	<0.05	<0.02	0.04	0.015	0.04	17.8	12.1	0.24	1040	0.98
DD006871		1.56	9.3	1.08	3.55	<0.05	<0.02	0.04	0.005	0.02	11.0	1.1	0.03	40	0.78
DD006872		5.47	11.7	1.76	6.31	<0.05	<0.02	0.03	0.008	0.03	19.5	3.6	0.06	166	1.36
DD006873		10.30	80.0	3.03	5.90	0.05	<0.02	0.03	0.022	0.05	19.9	19.9	0.39	329	1.15
DD006874		10.50	25.3	1.95	5.69	<0.05	<0.02	0.04	0.013	0.04	17.7	5.7	0.12	121	1.54
DD006875		2.59	14.1	2.49	5.50	<0.05	<0.02	0.04	0.019	0.03	13.5	20.3	0.23	254	1.28
DD006876		5.24	19.8	2.43	3.81	<0.05	<0.02	0.04	0.018	0.03	14.5	15.2	0.21	339	1.00
ZZ10663		2.80	28.9	3.36	4.91	0.05	<0.02	0.04	0.020	0.05	23.2	23.8	0.38	793	1.32
ZZ10664		2.30	19.7	2.21	3.46	<0.05	<0.02	0.07	0.014	0.04	14.1	13.5	0.20	317	0.94
ZZ10665		1.22	12.1	1.28	3.21	<0.05	<0.02	0.05	0.011	0.03	7.1	6.3	0.12	67	0.71
ZZ10666		2.44	24.9	3.99	4.97	0.06	<0.02	0.02	0.019	0.05	25.0	23.6	0.37	670	1.21
ZZ10667		1.28	10.9	1.15	3.40	<0.05	<0.02	0.04	0.008	0.03	4.9	3.9	0.09	208	0.64
ZZ10668		2.07	27.2	2.88	4.50	<0.05	<0.02	0.05	0.021	0.05	15.6	20.1	0.40	544	1.24
ZZ10669		3.30	26.1	3.24	5.07	0.06	<0.02	0.04	0.022	0.05	19.7	18.4	0.43	798	1.33
ZZ10670		3.53	18.4	3.02	3.94	<0.05	<0.02	0.10	0.020	0.04	15.3	12.9	0.25	1080	1.03
ZZ10671		6.04	28.7	3.41	5.01	0.06	<0.02	0.05	0.027	0.06	22.4	24.1	0.35	2120	1.38
ZZ10672		4.79	33.9	2.98	3.50	0.05	<0.02	0.15	0.017	0.04	18.0	10.5	0.13	3000	0.99
ZZ10673		5.20	51.0	4.15	2.45	0.07	0.02	0.08	0.015	0.05	32.4	18.8	0.25	2690	0.58
ZZ10674		4.57	37.5	3.56	3.82	<0.05	<0.02	0.09	0.016	0.05	20.0	14.7	0.22	2570	0.96
ZZ10675		3.52	39.6	4.16	3.24	0.09	<0.02	0.06	0.013	0.04	40.6	27.3	0.35	1390	0.65
ZZ10676		3.32	28.9	2.39	2.63	0.05	<0.02	0.06	0.011	0.04	21.4	15.0	0.19	1080	0.52



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-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
DD006851		0.28	15.3	650	19.6	11.3	<0.001	0.03	1.06	0.7	0.6	0.4	10.8	<0.01	0.05
DD006852		0.57	18.0	550	18.1	8.4	<0.001	0.02	0.83	1.8	0.4	0.5	10.7	<0.01	0.03
DD006853		0.31	17.0	460	19.3	6.6	<0.001	0.02	1.11	1.0	0.4	0.3	7.7	<0.01	0.03
DD006854		0.25	16.1	690	15.3	9.1	<0.001	0.04	0.85	0.5	0.4	0.4	8.1	<0.01	0.04
DD006855		0.40	23.0	720	18.4	8.3	<0.001	0.02	0.93	1.8	0.7	0.4	11.6	<0.01	0.04
DD006856		0.57	25.7	600	19.6	6.4	<0.001	0.01	0.97	2.2	0.7	0.3	10.7	<0.01	0.05
DD006857		0.21	10.9	760	8.5	4.8	<0.001	0.06	0.37	0.3	0.4	0.3	17.2	<0.01	0.03
DD006858		0.20	19.3	720	19.3	7.6	<0.001	0.05	0.78	0.6	0.6	0.4	9.5	<0.01	0.03
DD006859		0.49	25.9	680	25.5	6.8	0.001	0.02	1.05	2.1	0.7	0.3	12.8	<0.01	0.05
DD006860		0.26	14.8	740	14.5	6.5	<0.001	0.03	0.67	0.7	0.7	0.4	8.7	<0.01	0.04
DD006861		0.20	15.6	580	13.4	5.6	<0.001	0.04	0.65	0.6	0.5	0.3	8.4	<0.01	0.03
DD006862		0.40	22.5	570	19.1	5.8	<0.001	0.02	0.92	2.0	0.4	0.3	10.9	<0.01	0.02
DD006863		0.23	22.2	690	20.5	7.0	<0.001	0.03	0.70	1.1	0.4	0.4	9.4	<0.01	0.04
DD006864		0.26	22.1	910	27.0	4.6	<0.001	0.03	0.79	1.1	0.6	0.3	12.9	<0.01	0.03
DD006865		0.16	8.8	750	16.2	4.2	<0.001	0.06	0.41	0.2	0.5	0.2	6.3	<0.01	0.03
DD006866		0.09	11.8	680	12.4	6.4	<0.001	0.05	0.48	0.2	0.5	0.3	7.6	<0.01	0.03
DD006867		0.10	13.1	930	17.3	6.7	<0.001	0.07	0.63	0.2	0.6	0.4	10.4	<0.01	0.04
DD006868		0.10	3.0	470	4.9	2.5	0.001	0.04	0.18	0.1	0.2	0.3	5.6	<0.01	0.03
DD006869		0.20	11.2	770	16.3	7.3	<0.001	0.06	0.79	0.3	0.7	0.6	8.4	<0.01	0.05
DD006870		0.17	14.2	710	16.6	7.9	<0.001	0.04	0.55	0.6	0.4	0.4	7.5	<0.01	0.04
DD006871		0.12	3.7	410	3.6	2.8	<0.001	0.03	0.33	0.1	0.4	0.4	5.0	<0.01	0.02
DD006872		0.43	6.1	300	9.5	6.1	<0.001	0.02	0.61	0.5	0.4	0.9	6.8	<0.01	0.04
DD006873		0.31	18.8	870	14.0	7.4	<0.001	0.04	0.72	0.6	1.2	0.6	11.0	<0.01	0.04
DD006874		0.32	9.7	800	8.8	7.6	<0.001	0.06	0.69	0.3	0.4	0.7	8.2	<0.01	0.04
DD006875		0.86	11.7	420	18.0	5.3	0.001	0.03	0.69	1.4	0.9	0.6	8.0	<0.01	0.04
DD006876		0.33	14.3	530	15.1	5.1	<0.001	0.03	0.75	0.9	0.5	0.3	10.1	<0.01	0.03
ZZ10663		0.36	20.1	850	23.6	8.9	<0.001	0.03	0.87	1.2	0.8	0.4	11.0	<0.01	0.04
ZZ10664		0.25	11.2	880	14.2	6.4	<0.001	0.06	0.54	0.4	0.3	0.3	8.3	<0.01	0.03
ZZ10665		0.12	6.1	1000	9.6	4.9	<0.001	0.08	0.28	0.2	0.6	0.2	7.0	<0.01	0.02
ZZ10666		0.41	20.1	530	19.3	7.8	<0.001	0.04	0.77	1.1	0.2	0.4	8.9	<0.01	0.04
ZZ10667		0.21	4.1	710	6.1	3.6	<0.001	0.05	0.22	0.2	0.5	0.2	7.1	<0.01	0.02
ZZ10668		0.45	19.7	710	15.7	7.7	<0.001	0.03	0.74	1.4	0.8	0.4	9.5	<0.01	0.03
ZZ10669		0.47	21.0	850	19.7	8.7	<0.001	0.03	0.99	2.1	1.0	0.5	14.2	<0.01	0.05
ZZ10670		0.35	13.6	720	20.2	7.3	<0.001	0.04	0.72	0.8	0.4	0.3	8.6	<0.01	0.05
ZZ10671		0.52	21.4	780	29.4	9.5	<0.001	0.03	1.01	1.8	0.7	0.4	13.5	<0.01	0.06
ZZ10672		0.21	13.2	1110	28.5	7.2	<0.001	0.07	0.65	0.5	0.7	0.4	6.3	<0.01	0.06
ZZ10673		0.10	29.8	960	25.6	5.2	<0.001	0.05	1.31	0.6	0.5	0.2	8.2	<0.01	0.09
ZZ10674		0.11	16.8	1570	51.6	7.1	<0.001	0.08	0.78	0.3	0.4	0.3	9.3	<0.01	0.06
ZZ10675		0.20	25.3	720	27.1	5.5	<0.001	0.03	0.73	1.0	0.4	0.3	10.2	<0.01	0.05
ZZ10676		0.16	14.2	640	22.3	4.9	<0.001	0.04	0.77	0.5	0.5	0.2	10.0	<0.01	0.03



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-MS41 Ti %	ME-MS41 Ti ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD006851		0.012	0.10	0.97	27	0.18	2.80	66	<0.5
DD006852		0.030	0.09	1.13	33	0.22	3.90	66	<0.5
DD006853		0.015	0.09	1.03	23	0.20	3.66	76	<0.5
DD006854		0.013	0.08	1.08	24	0.19	3.17	68	<0.5
DD006855		0.030	0.09	1.45	33	0.21	5.35	86	<0.5
DD006856		0.033	0.07	1.45	28	0.22	5.00	94	0.5
DD006857		0.012	0.04	1.05	14	0.13	4.64	38	<0.5
DD006858		0.018	0.07	1.22	28	0.16	3.65	76	<0.5
DD006859		0.027	0.07	1.44	29	0.25	4.61	104	<0.5
DD006860		0.024	0.07	0.91	28	0.18	2.93	59	<0.5
DD006861		0.017	0.06	1.05	20	0.16	3.03	60	<0.5
DD006862		0.031	0.06	1.40	28	0.21	4.75	95	<0.5
DD006863		0.034	0.06	1.31	28	0.19	3.85	90	<0.5
DD006864		0.031	0.06	1.74	26	0.22	4.44	100	<0.5
DD006865		0.016	0.05	0.93	18	0.11	2.38	43	<0.5
DD006866		0.017	0.05	0.86	22	0.12	1.97	55	<0.5
DD006867		0.013	0.04	1.07	23	0.11	2.48	65	<0.5
DD006868		0.014	0.03	0.44	18	0.07	0.75	16	<0.5
DD006869		0.016	0.07	0.81	38	0.19	2.01	56	<0.5
DD006870		0.034	0.07	1.01	29	0.16	2.32	66	<0.5
DD006871		0.017	0.05	0.39	30	0.17	1.00	19	<0.5
DD006872		0.036	0.11	0.56	52	0.27	1.88	29	<0.5
DD006873		0.023	0.11	1.16	46	0.22	4.88	65	<0.5
DD006874		0.022	0.09	0.69	48	0.27	2.09	39	<0.5
DD006875		0.027	0.15	0.62	46	0.34	2.23	49	<0.5
DD006876		0.023	0.06	0.95	28	0.43	2.71	61	<0.5
ZZ10663		0.023	0.10	1.45	37	0.27	4.12	83	<0.5
ZZ10664		0.014	0.07	1.20	23	0.15	2.61	49	<0.5
ZZ10665		0.009	0.06	0.99	18	0.10	2.52	23	<0.5
ZZ10666		0.023	0.06	0.85	30	0.20	2.97	82	<0.5
ZZ10667		0.021	0.04	0.64	19	0.10	2.20	21	<0.5
ZZ10668		0.025	0.09	0.96	36	0.23	3.65	76	<0.5
ZZ10669		0.030	0.11	1.62	41	0.29	5.33	89	<0.5
ZZ10670		0.022	0.07	0.90	31	0.23	2.78	66	<0.5
ZZ10671		0.027	0.08	1.58	35	0.27	4.00	106	<0.5
ZZ10672		0.014	0.07	1.39	26	0.20	3.11	64	<0.5
ZZ10673		0.012	0.06	1.68	16	0.24	3.82	118	0.5
ZZ10674		0.010	0.07	1.28	28	0.27	2.60	103	0.9
ZZ10675		0.022	0.05	1.40	20	0.23	3.89	104	<0.5
ZZ10676		0.017	0.04	1.05	17	0.17	3.16	63	<0.5



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 - TL43 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ10677		0.18	0.001	0.07	0.89	19.2	<0.2	<10	50	0.43	0.22	0.10	0.08	20.6	15.2	9
ZZ10678		0.26	0.006	0.12	1.04	51.7	<0.2	<10	90	0.74	0.57	0.11	0.16	71.0	27.0	14
ZZ10679		0.22	0.005	0.12	1.12	36.2	0.9	<10	80	1.35	0.59	0.06	0.12	55.4	23.9	16
ZZ10680		0.24	0.025	0.09	0.86	30.3	<0.2	<10	100	1.22	0.92	0.09	0.08	88.7	29.2	15
ZZ10681		0.18	0.002	0.09	0.66	5.1	<0.2	<10	40	0.21	0.35	0.03	0.08	36.3	10.1	12
ZZ10682		0.12	0.001	0.03	0.29	3.5	<0.2	<10	10	<0.05	0.03	0.04	0.02	1.93	1.2	2
ZZ10683		0.24	0.003	0.05	0.43	19.2	<0.2	<10	20	0.09	0.07	0.17	0.04	10.20	3.9	3
ZZ10684		0.18	0.004	0.07	0.57	17.4	<0.2	<10	30	0.19	0.14	0.08	0.04	10.40	3.3	4
ZZ10685		0.24	0.007	0.13	0.97	36.0	<0.2	<10	110	0.53	0.43	0.09	0.13	59.9	19.8	13
ZZ10686		0.20	0.002	0.10	1.03	28.6	<0.2	<10	70	0.49	0.52	0.05	0.09	49.3	18.3	13
ZZ10687		0.20	0.005	0.15	1.31	26.4	<0.2	<10	80	0.42	0.40	0.06	0.20	33.9	12.3	20
ZZ10688		0.16	0.002	0.07	0.74	24.6	<0.2	<10	60	0.19	0.24	0.03	0.07	22.6	5.1	10
ZZ10689		0.10	0.002	0.08	0.65	20.5	<0.2	<10	50	0.17	0.17	0.04	0.07	18.20	4.6	8
ZZ10690		0.18	0.012	0.07	1.21	57.0	<0.2	<10	80	0.47	0.40	0.06	0.18	64.8	15.9	17
ZZ10691		0.16	0.003	0.11	0.66	22.2	<0.2	<10	50	0.18	0.22	0.04	0.12	24.2	5.1	8
ZZ10692		0.14	0.003	0.08	1.09	39.4	<0.2	<10	70	0.37	0.43	0.04	0.05	48.8	9.1	14
ZZ10693		0.22	0.007	0.08	1.43	22.1	<0.2	<10	110	0.53	0.30	0.09	0.19	45.2	12.7	20
ZZ10694		0.18	0.011	0.09	1.07	59.0	<0.2	<10	80	0.44	0.37	0.08	0.18	39.3	13.1	17
ZZ10695		0.20	0.006	0.09	1.14	46.3	<0.2	<10	110	0.49	0.32	0.10	0.15	65.6	13.8	17
ZZ10696		0.12	0.002	0.11	0.54	24.7	<0.2	<10	40	0.20	0.12	0.03	0.03	11.40	2.2	4
ZZ10697		0.20	0.008	0.07	1.06	55.0	<0.2	<10	80	0.43	0.35	0.05	0.16	69.7	13.4	16
ZZ10698		0.18	0.006	0.07	0.73	45.8	<0.2	<10	60	0.26	0.29	0.04	0.07	36.6	8.1	12
ZZ10699		0.18	0.007	0.07	1.59	99.6	<0.2	<10	100	0.58	0.44	0.06	0.18	43.6	11.7	23
ZZ10700		0.18	0.014	0.06	0.98	85.5	<0.2	<10	70	0.41	0.33	0.05	0.08	58.2	11.1	15
ZZ09947		0.16	0.004	0.06	1.42	39.7	<0.2	<10	80	0.41	0.30	0.05	0.13	48.1	10.7	22
ZZ09948		0.14	0.004	0.13	1.49	33.3	<0.2	<10	90	0.55	0.31	0.05	0.11	34.4	7.7	20
ZZ09949		0.22	0.006	0.06	1.39	18.2	<0.2	<10	140	0.48	0.30	0.08	0.11	54.7	9.3	20
ZZ09950		0.12	0.002	0.08	0.55	7.0	<0.2	<10	40	0.13	0.13	0.03	0.03	17.10	2.2	7
ZZ09951		0.14	0.004	0.07	1.01	15.3	<0.2	<10	190	0.27	0.27	0.08	0.09	32.3	3.6	15
ZZ09952		0.16	0.002	0.05	1.33	20.2	<0.2	<10	90	0.28	0.35	0.05	0.10	43.9	6.9	18
ZZ09953		0.18	0.003	0.05	1.40	21.0	<0.2	<10	110	0.37	0.33	0.06	0.09	36.0	6.8	20
ZZ09954		0.18	0.005	0.05	1.50	27.1	<0.2	<10	100	0.44	0.36	0.07	0.19	48.8	11.3	21
ZZ09955		0.20	0.005	0.06	1.32	23.3	<0.2	<10	80	0.39	0.32	0.09	0.15	50.8	9.8	20
ZZ09956		0.16	0.002	0.07	0.98	9.1	<0.2	<10	60	0.20	0.19	0.05	0.08	27.2	4.4	12
ZZ09957		0.20	0.003	0.06	0.98	16.0	<0.2	<10	60	0.29	0.25	0.08	0.11	43.1	7.0	14
ZZ09958		0.24	0.004	0.06	1.32	30.0	<0.2	<10	90	0.49	0.36	0.12	0.16	59.6	13.2	20
ZZ09959		0.20	0.005	0.06	1.18	16.7	<0.2	<10	70	0.35	0.30	0.07	0.13	48.1	8.8	18
ZZ09960		0.18	0.005	0.08	1.17	18.6	<0.2	<10	80	0.42	0.32	0.08	0.09	49.7	9.5	16
ZZ09961		0.26	0.004	0.06	1.19	22.2	<0.2	<10	80	0.53	0.43	0.09	0.17	72.6	14.2	20
ZZ09962		0.18	0.003	0.07	1.30	16.0	<0.2	<10	80	0.41	0.34	0.07	0.12	50.7	9.1	17



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-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ10677		2.41	25.0	1.89	3.15	<0.05	<0.02	0.08	0.011	0.04	8.3	10.6	0.16	1150	0.66
ZZ10678		4.55	55.2	3.83	3.42	0.07	<0.02	0.10	0.018	0.05	33.5	22.6	0.29	2660	0.79
ZZ10679		6.44	59.7	3.57	3.60	0.06	<0.02	0.09	0.020	0.05	24.6	26.7	0.33	2910	0.83
ZZ10680		3.79	40.5	4.30	3.01	0.11	<0.02	0.05	0.017	0.03	40.4	29.5	0.38	3340	0.77
ZZ10681		2.90	50.5	2.35	2.47	<0.05	<0.02	0.05	0.011	0.03	16.3	9.2	0.14	723	0.70
ZZ10682		0.18	4.3	0.54	1.47	<0.05	<0.02	0.05	<0.005	0.02	0.9	0.4	0.02	45	0.16
ZZ10683		0.74	9.3	1.15	1.60	<0.05	<0.02	0.03	0.006	0.02	4.5	1.1	0.04	392	0.23
ZZ10684		1.74	11.2	1.13	2.31	<0.05	<0.02	0.05	0.006	0.03	4.7	1.9	0.04	415	0.37
ZZ10685		6.02	36.6	3.56	3.12	0.06	<0.02	0.07	0.017	0.05	27.6	19.6	0.28	1960	0.66
ZZ10686		7.38	34.9	3.45	3.44	0.05	<0.02	0.03	0.017	0.05	23.1	12.6	0.20	1640	1.02
ZZ10687		3.88	22.1	3.26	4.87	<0.05	<0.02	0.06	0.020	0.06	15.3	13.4	0.23	1260	1.43
ZZ10688		2.68	13.1	2.00	4.40	<0.05	<0.02	0.03	0.011	0.05	10.6	1.8	0.04	963	0.98
ZZ10689		2.65	12.2	1.56	2.64	<0.05	<0.02	0.03	0.009	0.04	8.1	4.4	0.08	312	0.60
ZZ10690		3.47	33.0	4.02	3.76	0.07	<0.02	0.02	0.019	0.06	29.5	15.2	0.26	895	1.00
ZZ10691		2.42	18.8	1.72	3.57	0.06	<0.02	0.03	0.011	0.04	12.5	4.8	0.08	283	0.44
ZZ10692		6.81	27.1	2.79	3.93	0.09	<0.02	0.02	0.020	0.05	24.7	13.8	0.21	411	0.53
ZZ10693		1.31	31.3	3.13	3.96	0.15	0.05	0.04	0.018	0.05	22.3	28.0	0.43	627	1.09
ZZ10694		1.81	30.0	3.27	3.87	0.13	<0.02	0.06	0.018	0.05	18.5	22.0	0.34	664	1.16
ZZ10695		1.47	35.0	3.14	3.78	0.16	<0.02	0.03	0.016	0.04	31.9	25.7	0.38	733	0.91
ZZ10696		0.91	10.7	0.82	2.00	0.10	<0.02	0.04	0.006	0.02	5.7	2.4	0.04	76	0.42
ZZ10697		1.71	32.6	3.24	3.56	0.14	<0.02	0.03	0.020	0.03	33.2	20.8	0.32	763	0.82
ZZ10698		1.83	20.8	2.41	3.08	0.13	<0.02	0.02	0.012	0.04	17.6	10.4	0.18	412	0.78
ZZ10699		2.90	33.8	3.50	5.18	0.13	<0.02	0.04	0.027	0.05	21.9	22.7	0.36	576	1.41
ZZ10700		2.25	28.5	2.85	3.54	0.15	<0.02	0.02	0.016	0.03	28.5	19.8	0.28	440	0.77
ZZ09947		2.00	20.6	3.25	5.30	0.13	<0.02	0.04	0.020	0.04	22.7	22.2	0.37	435	1.08
ZZ09948		2.68	25.8	2.77	5.29	0.11	<0.02	0.04	0.021	0.05	16.9	17.4	0.28	390	1.19
ZZ09949		1.61	31.9	2.84	4.25	0.13	<0.02	0.03	0.016	0.05	26.5	21.5	0.39	394	0.91
ZZ09950		1.07	7.5	0.99	2.66	0.11	<0.02	0.02	0.007	0.03	8.0	3.7	0.07	90	0.59
ZZ09951		4.67	9.3	1.63	4.28	0.11	<0.02	0.01	0.012	0.05	16.1	7.7	0.13	190	0.63
ZZ09952		2.20	15.7	2.72	5.24	0.12	<0.02	0.02	0.018	0.04	21.8	16.6	0.26	279	1.07
ZZ09953		2.51	14.2	2.61	5.13	0.12	<0.02	0.02	0.018	0.05	17.5	17.0	0.31	340	1.04
ZZ09954		2.20	26.0	3.03	4.66	0.13	<0.02	0.03	0.021	0.05	22.8	19.4	0.34	532	1.11
ZZ09955		2.20	24.6	2.96	4.42	0.13	<0.02	0.03	0.020	0.05	26.9	20.0	0.35	424	0.98
ZZ09956		1.45	13.9	1.70	3.45	0.12	<0.02	0.02	0.011	0.04	13.6	10.5	0.20	128	0.57
ZZ09957		1.94	20.9	2.35	3.77	0.12	<0.02	0.29	0.015	0.04	21.7	14.2	0.24	265	0.95
ZZ09958		2.72	29.5	3.40	4.29	0.14	0.02	0.03	0.018	0.05	29.5	24.1	0.38	598	1.06
ZZ09959		2.07	23.5	2.72	4.06	0.13	<0.02	0.02	0.014	0.04	23.7	19.4	0.33	330	0.82
ZZ09960		2.70	29.2	2.84	3.80	0.14	<0.02	0.03	0.017	0.04	24.5	19.8	0.31	415	0.78
ZZ09961		2.64	36.0	3.69	3.85	0.15	<0.02	0.03	0.018	0.04	35.1	25.0	0.38	714	0.97
ZZ09962		3.19	28.6	2.76	4.48	0.13	<0.02	0.02	0.017	0.05	24.7	19.8	0.31	331	0.89



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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
ZZ10677		0.27	9.6	720	28.6	5.1	<0.001	0.05	0.57	0.6	0.3	0.3	9.4	<0.01	0.02
ZZ10678		0.17	28.3	890	51.5	7.3	<0.001	0.04	1.54	1.1	0.6	0.3	16.5	<0.01	0.05
ZZ10679		0.15	24.7	850	52.3	6.5	<0.001	0.05	1.38	0.8	0.5	0.3	12.7	<0.01	0.07
ZZ10680		0.21	36.7	620	65.2	3.6	<0.001	0.02	1.14	2.0	0.3	0.2	17.1	<0.01	0.12
ZZ10681		0.18	13.4	1110	15.1	5.4	<0.001	0.06	0.73	0.2	0.2	0.3	7.8	<0.01	0.04
ZZ10682		0.09	1.3	310	1.7	0.9	0.001	0.03	0.07	0.1	0.4	<0.2	7.9	<0.01	<0.01
ZZ10683		0.19	3.5	870	4.1	2.2	<0.001	0.02	0.41	0.4	<0.2	<0.2	11.2	<0.01	0.02
ZZ10684		0.12	3.8	740	14.1	3.2	<0.001	0.05	0.78	0.2	0.4	0.2	8.8	<0.01	0.01
ZZ10685		0.17	22.2	910	47.3	7.2	<0.001	0.04	1.45	1.0	0.5	0.3	15.3	<0.01	0.04
ZZ10686		0.14	16.9	920	43.5	8.7	<0.001	0.04	0.87	0.5	0.4	0.4	9.0	<0.01	0.05
ZZ10687		0.30	15.1	970	31.9	11.6	<0.001	0.06	1.12	0.5	0.5	0.6	9.6	<0.01	0.04
ZZ10688		0.13	7.5	740	10.2	10.1	<0.001	0.06	1.08	0.1	0.4	0.5	6.9	<0.01	0.03
ZZ10689		0.14	7.7	690	7.7	7.9	0.001	0.06	0.84	0.1	0.2	0.3	8.1	<0.01	0.02
ZZ10690		0.26	24.7	660	23.2	9.6	<0.001	0.03	1.79	1.2	0.6	0.4	12.0	<0.01	0.03
ZZ10691		0.21	9.8	760	10.6	9.8	<0.001	0.03	0.70	0.3	0.5	0.3	7.8	0.01	0.02
ZZ10692		0.33	16.2	610	26.0	10.7	<0.001	0.01	1.01	0.8	0.5	0.4	18.6	<0.01	0.03
ZZ10693		0.42	24.9	620	19.3	6.9	<0.001	<0.01	0.80	2.1	0.5	0.3	9.5	<0.01	0.03
ZZ10694		0.37	23.9	600	22.3	6.3	<0.001	<0.01	0.93	1.4	0.3	0.3	10.6	<0.01	0.03
ZZ10695		0.40	25.7	590	20.0	5.8	<0.001	<0.01	0.84	2.3	0.4	0.3	10.8	<0.01	0.03
ZZ10696		0.16	4.5	750	7.0	5.3	<0.001	0.03	0.28	0.2	0.3	0.2	7.2	<0.01	0.01
ZZ10697		0.27	24.8	450	24.1	6.5	<0.001	<0.01	0.97	1.7	0.5	0.3	11.0	<0.01	0.05
ZZ10698		0.17	14.7	540	13.9	7.4	<0.001	0.02	0.76	0.6	0.5	0.3	8.3	<0.01	0.02
ZZ10699		0.45	22.8	650	23.2	10.4	<0.001	0.01	1.09	1.4	0.5	0.5	12.0	<0.01	0.04
ZZ10700		0.28	20.5	440	17.7	6.3	<0.001	<0.01	0.80	1.3	0.5	0.3	9.7	<0.01	0.03
ZZ09947		0.59	19.7	400	17.5	7.0	<0.001	<0.01	0.69	1.4	0.4	0.4	8.4	<0.01	0.03
ZZ09948		0.33	16.1	720	14.9	11.0	<0.001	0.03	0.74	0.8	0.5	0.5	9.7	<0.01	0.03
ZZ09949		0.57	23.4	480	15.1	7.3	<0.001	<0.01	0.78	3.0	0.3	0.3	9.9	<0.01	0.04
ZZ09950		0.11	4.9	490	5.3	4.7	<0.001	0.02	0.32	0.2	<0.2	0.3	5.4	<0.01	0.01
ZZ09951		0.13	8.5	920	9.3	9.6	<0.001	0.05	0.48	0.3	0.3	0.5	13.4	<0.01	<0.01
ZZ09952		0.28	14.3	590	16.5	9.7	<0.001	0.01	0.71	0.5	0.5	0.5	8.7	<0.01	0.02
ZZ09953		0.38	14.3	520	14.5	12.3	<0.001	0.01	0.68	0.9	0.4	0.5	8.8	<0.01	0.02
ZZ09954		0.40	20.5	680	18.8	9.2	<0.001	0.01	1.04	1.4	0.8	0.4	10.3	<0.01	0.03
ZZ09955		0.38	20.2	700	16.1	8.7	<0.001	<0.01	0.77	1.4	0.7	0.4	10.4	<0.01	0.03
ZZ09956		0.20	10.6	500	8.4	6.6	<0.001	0.01	0.41	0.5	0.3	0.3	7.1	<0.01	0.01
ZZ09957		0.21	15.8	590	14.7	6.9	<0.001	0.01	0.66	0.7	0.2	0.3	9.1	<0.01	0.02
ZZ09958		0.41	23.9	690	19.9	7.8	<0.001	<0.01	0.97	2.0	0.3	0.3	14.2	<0.01	0.04
ZZ09959		0.26	18.2	540	15.7	6.6	<0.001	<0.01	0.65	1.2	0.5	0.3	9.0	<0.01	0.02
ZZ09960		0.18	19.5	700	17.5	6.5	<0.001	0.02	0.60	1.0	0.5	0.2	11.1	<0.01	0.03
ZZ09961		0.27	25.3	630	21.2	5.9	<0.001	<0.01	0.84	1.9	0.5	0.3	11.7	<0.01	0.03
ZZ09962		0.15	19.2	730	15.9	8.8	<0.001	0.01	0.62	0.8	0.4	0.3	10.3	<0.01	0.01



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 North Vancouver BC V7H 0A7
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		Ti	Ti	U	V	W	Y	Zn
		%	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2
								0.5
ZZ10677		0.023	0.06	0.73	24	0.14	2.92	51
ZZ10678		0.012	0.07	1.97	20	0.16	6.26	116
ZZ10679		0.014	0.07	2.08	26	0.19	5.20	101
ZZ10680		0.016	0.05	2.88	20	0.16	5.58	106
ZZ10681		0.009	0.05	0.87	18	0.16	1.75	51
ZZ10682		0.015	0.02	0.16	13	<0.05	0.37	7
ZZ10683		0.031	0.02	0.28	24	0.05	1.33	18
ZZ10684		0.016	0.03	0.48	14	0.08	1.26	20
ZZ10685		0.017	0.07	1.39	20	0.13	5.41	97
ZZ10686		0.013	0.08	1.31	25	0.15	3.30	88
ZZ10687		0.020	0.11	0.99	41	0.21	2.63	78
ZZ10688		0.009	0.09	0.62	32	0.15	1.42	46
ZZ10689		0.009	0.05	0.56	17	0.10	1.61	39
ZZ10690		0.019	0.09	1.38	28	0.22	4.20	102
ZZ10691		0.010	0.07	0.65	20	0.14	1.88	40
ZZ10692		0.012	0.11	1.19	23	0.19	3.55	66
ZZ10693		0.020	0.06	0.98	28	0.20	4.62	91
ZZ10694		0.021	0.05	1.00	26	0.35	3.84	87
ZZ10695		0.025	0.04	1.14	24	0.20	5.55	87
ZZ10696		0.007	0.04	0.61	7	0.13	1.75	18
ZZ10697		0.024	0.05	1.21	25	0.24	5.19	81
ZZ10698		0.018	0.05	0.79	22	0.23	2.32	60
ZZ10699		0.023	0.09	1.31	37	0.37	5.40	88
ZZ10700		0.024	0.04	1.20	23	0.22	4.01	76
ZZ09947		0.035	0.07	0.93	34	0.25	3.96	71
ZZ09948		0.018	0.10	1.45	34	0.25	5.25	66
ZZ09949		0.042	0.07	1.31	32	0.32	6.71	75
ZZ09950		0.012	0.05	0.47	17	0.13	1.33	21
ZZ09951		0.010	0.09	0.72	24	0.13	2.23	39
ZZ09952		0.016	0.11	0.79	32	0.21	2.89	56
ZZ09953		0.025	0.10	0.89	36	0.27	3.29	61
ZZ09954		0.026	0.09	1.23	34	0.27	4.53	83
ZZ09955		0.030	0.08	1.14	32	0.23	4.08	82
ZZ09956		0.022	0.05	0.74	22	0.15	2.30	43
ZZ09957		0.023	0.06	0.88	25	0.18	3.27	60
ZZ09958		0.031	0.06	1.34	32	0.26	5.13	99
ZZ09959		0.027	0.06	1.06	28	0.19	4.07	69
ZZ09960		0.024	0.05	1.21	23	0.20	4.44	75
ZZ09961		0.034	0.05	1.53	28	0.23	5.33	99
ZZ09962		0.024	0.07	1.24	28	0.19	4.12	71



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 WH11149863

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au - TL43 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ09963		0.24	0.005	0.06	1.35	30.0	<0.2	<10	150	0.55	0.38	0.08	0.21	66.2	13.9	20
ZZ09964		0.30	0.006	0.07	1.14	25.9	<0.2	<10	140	0.53	0.32	0.12	0.25	67.8	13.1	18
ZZ09965		0.26	0.007	0.05	1.21	26.3	<0.2	<10	110	0.52	0.34	0.10	0.25	76.2	14.5	19
ZZ09966		0.14	0.002	0.09	1.03	15.4	<0.2	<10	60	0.34	0.28	0.05	0.09	37.7	6.5	15
ZZ09967		0.24	0.005	0.06	1.36	26.1	<0.2	<10	80	0.65	0.43	0.06	0.13	70.2	14.4	21
ZZ09968		0.28	0.006	0.11	1.14	19.4	<0.2	<10	80	0.56	0.40	0.10	0.15	79.0	16.1	20
ZZ09969		0.24	0.007	0.10	0.96	53.2	<0.2	<10	110	0.51	0.35	0.15	0.26	90.1	14.4	16
ZZ09970		0.26	0.006	0.06	1.46	31.4	<0.2	<10	100	0.59	0.38	0.11	0.18	54.3	17.2	24
ZZ09971		0.20	0.004	0.04	1.19	26.7	<0.2	<10	80	0.53	0.48	0.06	0.13	72.1	14.9	20
ZZ09972		0.20	0.003	0.04	0.91	16.9	<0.2	<10	60	0.30	0.33	0.04	0.06	50.6	8.2	13
ZZ09973		0.24	0.005	0.05	0.84	26.9	<0.2	<10	60	0.55	0.45	0.08	0.13	78.9	16.5	15
ZZ09974		0.16	0.003	0.05	1.02	12.2	<0.2	<10	70	0.69	0.44	0.05	0.11	67.5	12.4	16
ZZ09975		0.22	0.003	0.06	1.02	18.8	<0.2	<10	60	0.91	0.52	0.08	0.11	85.6	17.9	18
ZZ09976		0.22	0.002	0.05	0.93	20.5	<0.2	<10	40	0.62	0.49	0.06	0.07	69.2	14.5	16
ZZ09977		0.14	0.002	0.14	1.50	29.7	<0.2	<10	80	0.62	0.48	0.06	0.13	48.5	13.7	20
ZZ09978		0.20	0.001	0.10	0.93	27.9	<0.2	<10	50	0.28	0.39	0.04	0.10	37.3	9.4	13
ZZ09979		0.12	0.001	0.08	1.11	16.7	<0.2	<10	80	0.54	0.36	0.05	0.08	37.4	6.2	15
ZZ09980		0.16	<0.001	0.09	0.78	15.4	<0.2	<10	40	0.18	0.32	0.03	0.07	26.3	3.8	11
ZZ09981		0.14	<0.001	0.04	0.76	10.3	<0.2	<10	50	0.23	0.28	0.04	0.07	25.4	3.6	9
ZZ09982		0.16	<0.001	0.04	0.78	8.8	<0.2	<10	30	0.16	0.18	0.04	0.06	16.05	2.8	8
ZZ09983		0.20	0.002	0.09	1.09	30.8	<0.2	<10	60	0.44	0.43	0.06	0.10	38.0	9.5	13
ZZ09984		0.22	0.002	0.14	1.17	21.6	<0.2	<10	40	0.42	0.47	0.05	0.07	32.4	7.3	13
ZZ11851		0.14	0.001	0.18	0.59	14.5	<0.2	<10	110	0.21	0.32	0.18	0.34	23.3	9.5	9
ZZ11852		0.18	0.001	0.08	0.78	5.0	<0.2	<10	70	0.31	0.26	0.09	0.12	18.45	4.5	10
ZZ11853		0.14	<0.001	0.10	0.41	2.4	<0.2	<10	40	0.12	0.09	0.05	0.13	9.89	2.2	5
ZZ11854		0.14	<0.001	0.12	0.63	4.8	<0.2	<10	60	0.22	0.20	0.07	0.15	16.40	5.2	10
ZZ11855		0.16	<0.001	0.12	0.93	13.2	<0.2	<10	90	0.23	0.34	0.07	0.29	19.90	5.8	17
ZZ11856		0.28	0.005	0.13	1.66	35.3	<0.2	<10	130	0.67	0.37	0.09	0.29	28.9	9.4	26
ZZ11857		0.20	0.002	0.16	0.97	80.2	<0.2	<10	120	0.41	0.33	0.12	0.17	19.55	6.1	15
ZZ11858		0.18	<0.001	0.08	0.66	9.2	<0.2	<10	60	0.28	0.21	0.05	0.11	15.30	5.3	8
ZZ11859		0.16	<0.001	0.08	0.31	5.8	<0.2	<10	60	0.21	0.21	0.09	0.16	30.8	4.1	7
ZZ11860		0.36	0.006	0.15	1.37	61.8	<0.2	<10	80	1.06	1.01	0.13	0.20	64.3	36.8	14
ZZ11861		0.14	<0.001	0.04	0.73	8.6	<0.2	<10	120	1.16	0.35	0.07	0.28	48.2	13.5	13
DD006772		0.20	0.003	0.11	0.60	6.5	<0.2	<10	70	0.20	0.41	0.04	0.18	33.8	2.9	13
DD006773		0.10	<0.001	0.12	0.25	5.3	<0.2	<10	30	0.14	0.31	0.02	0.13	23.8	2.7	2
DD006774		0.20	0.002	0.22	1.23	10.1	<0.2	<10	80	0.68	0.35	0.08	0.17	35.1	8.2	13
DD006775		0.22	<0.001	0.04	0.16	0.7	<0.2	<10	20	0.06	0.05	0.05	0.04	5.07	1.1	3
DD006776		0.22	0.005	0.23	0.84	107.0	<0.2	<10	60	0.44	0.68	0.09	0.23	37.1	11.7	15
DD006777		0.20	0.001	0.14	0.91	11.3	<0.2	<10	110	0.42	0.29	0.09	0.27	31.6	7.2	16
DD006778		0.20	0.001	0.12	0.72	4.9	<0.2	<10	140	0.29	0.18	0.12	0.21	15.75	4.5	10



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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-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ09963		2.57	33.4	3.51	4.14	0.15	<0.02	0.03	0.018	0.05	32.4	22.2	0.39	724	0.99
ZZ09964		1.86	34.0	3.12	3.62	0.15	0.02	0.02	0.019	0.05	32.4	21.3	0.34	610	0.91
ZZ09965		2.19	35.2	3.29	3.70	0.16	<0.02	0.02	0.020	0.05	35.9	22.4	0.36	780	0.92
ZZ09966		2.65	18.3	2.31	3.59	0.11	<0.02	0.03	0.013	0.04	17.8	14.4	0.26	273	0.80
ZZ09967		3.34	35.4	3.67	4.30	0.15	0.02	0.03	0.020	0.04	35.7	26.2	0.38	689	0.94
ZZ09968		2.85	41.3	3.78	3.61	0.15	0.02	0.02	0.016	0.05	39.0	25.9	0.41	858	0.84
ZZ09969		1.98	40.6	3.61	3.29	0.17	0.03	0.03	0.019	0.05	41.5	18.4	0.31	776	0.93
ZZ09970		3.34	35.6	3.43	4.60	0.14	<0.02	0.04	0.022	0.06	26.2	22.8	0.43	875	1.22
ZZ09971		3.66	31.0	3.58	4.33	0.15	<0.02	0.03	0.017	0.04	34.3	22.3	0.36	836	1.03
ZZ09972		3.06	22.8	2.50	3.51	0.13	<0.02	0.02	0.013	0.04	24.9	13.8	0.22	371	0.84
ZZ09973		2.71	42.1	3.87	3.01	0.12	0.03	0.02	0.017	0.04	39.5	21.2	0.31	861	0.90
ZZ09974		4.30	39.3	3.25	3.56	0.09	<0.02	0.02	0.015	0.04	34.7	23.4	0.33	478	0.94
ZZ09975		6.90	58.0	4.20	3.34	0.13	0.02	0.02	0.018	0.03	42.8	28.0	0.36	1140	0.95
ZZ09976		7.44	46.3	3.99	3.33	0.10	0.02	0.02	0.016	0.03	34.8	24.6	0.33	875	0.95
ZZ09977		6.94	31.9	3.53	4.92	0.08	<0.02	0.04	0.023	0.05	24.8	22.2	0.31	866	1.33
ZZ09978		4.45	23.3	2.56	4.13	0.07	<0.02	0.05	0.016	0.05	19.2	8.4	0.16	663	1.14
ZZ09979		7.44	29.8	2.45	3.76	0.07	<0.02	0.04	0.018	0.04	19.9	9.8	0.19	243	1.14
ZZ09980		3.01	14.5	2.06	4.90	0.05	<0.02	0.04	0.013	0.03	13.4	3.1	0.07	169	1.23
ZZ09981		5.83	16.5	1.55	3.94	0.05	<0.02	0.04	0.012	0.03	13.1	4.5	0.08	158	0.83
ZZ09982		1.76	12.3	1.59	3.78	<0.05	<0.02	0.03	0.009	0.02	8.1	4.5	0.06	159	0.80
ZZ09983		9.55	26.6	2.50	3.83	0.07	0.02	0.04	0.019	0.05	19.1	10.3	0.18	632	0.89
ZZ09984		9.67	26.7	2.81	3.96	0.07	0.02	0.04	0.019	0.05	16.5	15.2	0.27	350	1.08
ZZ11851		2.53	17.5	1.92	3.34	0.05	<0.02	0.13	0.011	0.08	11.4	4.1	0.09	832	1.20
ZZ11852		2.83	17.7	1.86	3.57	<0.05	<0.02	0.04	0.010	0.03	9.1	5.2	0.09	382	0.80
ZZ11853		1.54	10.2	1.02	2.37	<0.05	<0.02	0.08	0.005	0.03	5.2	1.2	0.03	59	0.58
ZZ11854		2.27	14.3	2.12	3.04	0.05	<0.02	0.09	0.009	0.06	8.3	6.2	0.11	227	0.74
ZZ11855		2.53	17.9	2.88	6.30	0.06	<0.02	0.10	0.017	0.05	10.3	4.4	0.11	499	1.67
ZZ11856		5.27	20.0	3.20	5.17	0.07	0.03	0.05	0.027	0.05	15.2	25.8	0.38	321	1.74
ZZ11857		9.34	18.6	2.11	3.95	0.05	<0.02	0.07	0.015	0.05	9.9	10.9	0.18	466	1.13
ZZ11858		5.10	19.9	1.50	3.35	<0.05	<0.02	0.03	0.009	0.03	8.0	4.4	0.07	548	0.84
ZZ11859		5.86	17.1	1.37	1.54	0.05	<0.02	0.09	0.008	0.05	17.4	3.5	0.07	117	0.67
ZZ11860		13.35	60.8	4.66	4.23	0.11	0.04	0.05	0.035	0.06	30.7	35.0	0.42	2400	1.03
ZZ11861		10.95	67.7	2.45	3.18	0.07	<0.02	0.07	0.015	0.05	24.4	11.3	0.20	2050	0.91
DD006772		2.01	19.2	1.68	5.32	0.05	<0.02	0.06	0.013	0.04	17.8	1.7	0.04	239	1.32
DD006773		2.53	17.2	0.75	2.95	<0.05	<0.02	0.08	0.011	<0.01	12.6	1.2	0.02	159	1.07
DD006774		4.70	35.3	2.43	3.08	0.07	0.03	0.06	0.014	0.04	18.5	14.6	0.21	248	0.83
DD006775		0.65	4.1	0.45	0.76	<0.05	<0.02	0.05	<0.005	0.03	2.7	0.6	0.02	28	0.15
DD006776		4.33	33.3	3.23	3.76	0.08	0.02	0.05	0.020	0.05	19.4	14.0	0.23	542	1.21
DD006777		1.67	20.8	2.26	3.25	0.07	<0.02	0.10	0.015	0.05	16.4	12.1	0.24	270	1.13
DD006778		1.44	13.9	1.33	2.66	<0.05	<0.02	0.06	0.010	0.04	8.2	8.4	0.16	155	0.70



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-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
ZZ09963		0.41	25.4	640	21.6	7.5	<0.001	<0.01	0.93	2.5	0.4	0.4	11.1	<0.01	0.02
ZZ09964		0.65	25.2	630	18.7	6.5	<0.001	<0.01	0.92	2.5	0.7	0.3	12.2	<0.01	0.02
ZZ09965		0.46	26.2	620	21.7	6.4	<0.001	<0.01	1.04	2.5	0.4	0.3	11.6	<0.01	0.02
ZZ09966		0.10	14.0	730	12.2	5.7	<0.001	0.04	0.41	0.4	0.4	0.3	8.0	<0.01	0.03
ZZ09967		0.26	24.6	520	20.2	6.8	<0.001	<0.01	0.82	1.4	0.6	0.4	10.1	<0.01	0.04
ZZ09968		0.37	28.4	610	23.0	5.5	<0.001	<0.01	0.78	2.1	0.5	0.3	12.5	<0.01	0.02
ZZ09969		0.36	26.4	760	22.1	5.1	<0.001	<0.01	1.14	2.5	0.5	0.3	15.6	<0.01	0.03
ZZ09970		0.51	26.9	710	23.9	9.6	<0.001	<0.01	0.97	2.2	0.5	0.4	12.6	<0.01	0.04
ZZ09971		0.25	23.6	490	25.4	8.3	<0.001	<0.01	0.88	1.4	0.6	0.4	10.5	<0.01	0.03
ZZ09972		0.07	15.6	740	16.3	7.1	<0.001	0.04	0.63	0.3	<0.2	0.3	9.0	<0.01	0.04
ZZ09973		0.32	26.7	610	25.9	5.2	<0.001	<0.01	1.10	1.7	0.4	0.3	14.0	<0.01	0.03
ZZ09974		0.10	24.8	600	16.1	7.4	<0.001	0.01	0.67	0.5	0.5	0.3	10.2	<0.01	0.04
ZZ09975		0.22	29.2	690	24.2	4.6	<0.001	<0.01	0.96	1.5	0.4	0.3	16.0	<0.01	0.04
ZZ09976		0.15	24.6	750	20.2	4.5	<0.001	0.01	0.95	0.9	0.4	0.2	13.1	<0.01	0.04
ZZ09977		0.37	22.3	880	29.2	11.8	<0.001	0.02	0.90	1.1	0.7	0.4	15.1	<0.01	0.05
ZZ09978		0.20	14.3	830	21.3	11.4	<0.001	0.03	0.79	0.4	0.6	0.4	11.0	<0.01	0.04
ZZ09979		0.25	13.7	910	23.5	8.7	<0.001	0.04	0.57	0.5	0.7	0.4	11.1	<0.01	0.04
ZZ09980		0.57	7.4	420	15.4	7.5	<0.001	0.01	0.65	0.7	0.5	0.6	7.9	<0.01	0.04
ZZ09981		0.22	7.3	500	12.7	7.2	<0.001	0.01	0.44	0.4	0.4	0.4	12.3	<0.01	0.03
ZZ09982		0.37	5.2	400	10.6	5.2	<0.001	0.01	0.39	0.4	0.4	0.3	6.5	<0.01	0.03
ZZ09983		0.20	13.8	840	25.0	9.4	<0.001	0.03	0.80	0.6	0.7	0.4	13.0	<0.01	0.04
ZZ09984		0.24	13.8	900	25.5	7.9	<0.001	0.03	0.95	0.7	0.7	0.3	14.1	<0.01	0.05
ZZ11851		0.38	11.0	860	40.0	11.9	<0.001	0.07	0.64	0.4	0.6	0.5	17.7	<0.01	0.05
ZZ11852		0.17	7.0	780	18.7	7.6	<0.001	0.05	0.41	0.3	0.4	0.4	11.4	<0.01	0.04
ZZ11853		0.18	3.8	510	5.7	4.5	<0.001	0.03	0.28	0.2	0.4	0.3	8.5	<0.01	0.03
ZZ11854		0.32	10.3	990	11.3	8.6	<0.001	0.07	0.45	0.3	0.7	0.3	8.9	<0.01	0.05
ZZ11855		0.92	10.9	890	21.3	9.0	<0.001	0.07	0.85	0.8	0.8	0.8	8.1	<0.01	0.07
ZZ11856		1.23	20.7	400	33.2	8.9	<0.001	0.01	0.95	2.3	0.7	0.5	12.3	<0.01	0.06
ZZ11857		0.46	12.8	610	32.0	10.7	<0.001	0.04	0.56	0.6	0.6	0.5	13.7	<0.01	0.04
ZZ11858		0.30	6.7	460	12.0	6.7	<0.001	0.01	0.42	0.4	0.4	0.4	7.4	<0.01	0.03
ZZ11859		0.11	8.7	1150	10.1	4.9	<0.001	0.08	0.38	0.2	0.6	0.3	12.1	<0.01	0.04
ZZ11860		0.20	30.9	860	81.4	7.2	<0.001	0.02	1.37	2.0	0.6	0.3	23.4	0.01	0.06
ZZ11861		0.11	17.7	1040	20.8	6.0	<0.001	0.04	0.61	0.3	0.5	0.4	12.5	<0.01	0.04
DD006772		0.37	6.9	760	11.9	4.9	<0.001	0.05	0.59	0.4	0.5	0.9	7.0	<0.01	0.06
DD006773		0.23	6.4	330	10.5	4.1	<0.001	<0.01	0.48	0.2	0.6	0.5	6.3	<0.01	0.05
DD006774		0.30	16.9	1310	22.2	10.2	<0.001	0.05	0.80	0.6	0.8	0.3	11.7	<0.01	0.05
DD006775		0.12	1.9	520	2.8	1.6	<0.001	0.02	0.06	0.2	0.3	<0.2	7.1	<0.01	0.01
DD006776		0.29	19.6	830	52.2	8.3	<0.001	0.03	1.04	0.8	0.7	0.3	13.1	<0.01	0.05
DD006777		0.36	16.9	840	18.2	8.4	<0.001	0.05	0.76	0.9	0.7	0.3	12.1	<0.01	0.04
DD006778		0.35	10.6	700	9.6	7.2	<0.001	0.04	0.38	0.6	0.6	0.2	14.8	<0.01	0.03



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME-MS41 Ti %	ME-MS41 Ti ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ09963		0.036	0.07	1.61	32	0.26	6.63	100	<0.5
ZZ09964		0.034	0.05	1.44	28	0.23	6.69	91	0.7
ZZ09965		0.037	0.06	1.56	29	0.23	6.18	98	<0.5
ZZ09966		0.019	0.05	1.14	24	0.19	2.65	58	<0.5
ZZ09967		0.032	0.06	1.51	31	0.22	4.83	95	<0.5
ZZ09968		0.045	0.05	1.55	28	0.20	5.20	110	0.6
ZZ09969		0.039	0.04	1.63	28	0.20	6.71	104	1.7
ZZ09970		0.035	0.08	1.47	37	0.28	5.32	102	0.5
ZZ09971		0.033	0.07	1.45	30	0.22	4.39	90	<0.5
ZZ09972		0.015	0.06	1.00	21	0.13	2.43	62	<0.5
ZZ09973		0.028	0.04	1.55	21	0.22	4.51	107	0.8
ZZ09974		0.017	0.05	1.40	24	0.32	4.43	86	<0.5
ZZ09975		0.029	0.04	1.83	22	0.20	4.67	108	<0.5
ZZ09976		0.022	0.04	1.48	21	0.20	3.82	100	<0.5
ZZ09977		0.020	0.09	1.86	30	0.33	4.10	88	<0.5
ZZ09978		0.016	0.09	1.09	27	0.23	2.69	65	<0.5
ZZ09979		0.012	0.08	1.24	25	0.25	3.72	57	<0.5
ZZ09980		0.025	0.11	0.67	39	0.27	1.84	35	<0.5
ZZ09981		0.017	0.08	0.63	26	0.18	1.82	33	<0.5
ZZ09982		0.021	0.08	0.38	27	0.18	1.32	23	<0.5
ZZ09983		0.014	0.08	1.57	25	0.17	4.48	73	<0.5
ZZ09984		0.016	0.08	1.54	21	0.13	3.59	66	<0.5
ZZ11851		0.014	0.08	0.67	27	0.22	1.86	63	<0.5
ZZ11852		0.013	0.09	0.72	30	0.15	1.98	34	<0.5
ZZ11853		0.018	0.07	0.36	24	0.10	0.96	18	<0.5
ZZ11854		0.017	0.06	0.51	25	0.14	1.44	46	<0.5
ZZ11855		0.034	0.12	0.60	57	0.31	1.99	52	<0.5
ZZ11856		0.044	0.13	1.05	54	0.47	3.56	82	0.7
ZZ11857		0.021	0.09	0.87	34	0.27	2.52	54	<0.5
ZZ11858		0.022	0.05	0.52	26	0.19	1.47	38	<0.5
ZZ11859		0.005	0.03	0.69	16	0.10	1.70	40	<0.5
ZZ11860		0.010	0.07	3.42	16	0.18	11.35	204	0.8
ZZ11861		0.008	0.06	1.05	25	0.20	3.68	82	<0.5
DD006772		0.018	0.10	0.82	42	0.40	2.01	30	<0.5
DD006773		<0.005	0.06	0.70	6	0.18	1.53	4	<0.5
DD006774		0.012	0.07	1.84	20	0.18	3.97	62	0.8
DD006775		0.011	0.02	0.25	11	<0.05	0.47	12	<0.5
DD006776		0.016	0.07	1.60	30	0.42	3.98	104	<0.5
DD006777		0.023	0.08	1.12	30	0.20	4.21	72	<0.5
DD006778		0.017	0.06	0.83	20	0.17	3.11	46	<0.5



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-TL43 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD006779		0.20	0.002	0.07	0.28	2.2	<0.2	<10	50	0.11	0.13	0.07	0.06	8.49	1.6	6
DD006780		0.16	<0.001	0.03	0.33	1.7	<0.2	<10	20	0.06	0.06	0.05	0.04	4.76	2.3	4
DD006781		0.34	0.006	0.16	1.17	12.8	<0.2	<10	160	0.59	0.30	0.21	0.36	43.1	12.7	21
DD006782		0.32	0.002	0.14	1.18	12.2	<0.2	<10	150	0.44	0.26	0.14	0.23	26.3	7.9	17
DD006783		0.24	<0.001	0.04	0.19	0.4	<0.2	<10	30	0.05	0.03	0.06	0.05	2.55	1.2	3
DD006784		0.26	0.001	0.11	0.74	8.3	<0.2	<10	70	0.19	0.23	0.07	0.09	17.05	4.5	10
DD006785		0.34	0.002	0.17	1.62	16.2	<0.2	<10	160	0.62	0.33	0.12	0.31	33.5	12.7	26
DD006786		0.20	<0.001	0.07	0.78	4.5	<0.2	<10	60	0.30	0.15	0.07	0.12	12.25	3.5	9
DD006787		0.40	0.005	0.10	1.53	14.4	<0.2	<10	110	0.65	0.32	0.10	0.28	30.0	10.7	23
DD006788		0.30	0.003	0.12	1.41	14.2	<0.2	<10	100	0.64	0.33	0.08	0.27	33.9	15.5	19
DD006789		0.28	0.002	0.13	0.82	21.5	<0.2	<10	140	0.29	0.26	0.15	0.14	17.65	6.5	12
DD006790		0.14	<0.001	0.04	0.33	1.7	<0.2	<10	20	0.08	0.06	0.05	0.02	3.38	1.1	3
DD006791		0.22	0.003	0.19	0.98	91.5	<0.2	<10	80	0.35	0.40	0.05	0.30	25.2	7.3	16
DD006792		0.24	0.002	0.21	0.69	34.6	<0.2	<10	60	0.39	0.32	0.07	0.23	21.5	8.2	10
DD006793		0.18	0.004	0.08	0.82	16.5	<0.2	<10	110	0.70	0.53	0.07	0.11	41.7	11.4	12
DD006794		0.24	0.001	0.04	0.35	2.2	<0.2	<10	40	0.22	0.19	0.04	0.05	14.95	3.2	5
DD006795		0.16	<0.001	0.18	0.14	59.8	<0.2	<10	30	0.05	0.06	0.09	0.18	5.23	2.3	4
DD006796		0.14	<0.001	0.08	0.12	0.7	<0.2	<10	20	<0.05	0.04	0.06	0.11	2.22	1.2	3
DD006797		0.26	0.001	0.07	0.57	25.8	<0.2	<10	50	0.26	0.19	0.07	0.13	16.55	6.2	9
DD006798		0.16	<0.001	0.03	0.19	1.0	<0.2	<10	20	<0.05	0.04	0.05	0.03	1.67	1.2	3
DD006799		0.20	<0.001	0.05	0.23	1.3	<0.2	<10	20	<0.05	0.06	0.04	0.04	4.17	1.3	4
DD006800		0.26	0.001	0.06	1.05	14.7	<0.2	<10	60	0.24	0.41	0.05	0.14	26.3	7.7	19



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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-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
DD006779		1.05	7.3	0.75	1.53	<0.05	<0.02	0.08	0.006	0.04	4.5	1.3	0.04	59	0.51
DD006780		0.48	7.0	0.72	1.84	<0.05	<0.02	0.02	<0.005	0.02	2.4	1.6	0.04	151	0.32
DD006781		2.16	39.1	2.81	3.90	0.10	0.03	0.04	0.023	0.06	22.2	18.0	0.36	634	1.47
DD006782		2.16	25.9	2.24	3.83	0.06	<0.02	0.05	0.018	0.05	13.4	12.8	0.28	320	1.15
DD006783		0.41	4.5	0.53	1.01	<0.05	<0.02	0.03	<0.005	0.03	1.4	0.4	0.02	28	0.20
DD006784		2.58	12.7	1.40	2.99	<0.05	<0.02	0.06	0.013	0.04	8.3	8.4	0.15	181	0.72
DD006785		2.20	24.3	3.16	5.92	0.11	<0.02	0.04	0.028	0.06	16.8	19.6	0.43	725	1.64
DD006786		0.88	11.5	1.21	3.31	0.09	<0.02	0.04	0.015	0.03	5.8	5.8	0.15	187	0.67
DD006787		2.11	23.2	2.77	5.08	0.10	0.02	0.03	0.025	0.05	14.9	16.5	0.36	423	1.51
DD006788		2.53	23.2	2.95	4.97	0.10	<0.02	0.04	0.028	0.05	16.4	22.1	0.31	1100	1.36
DD006789		1.78	17.1	1.82	3.43	0.10	<0.02	0.04	0.016	0.04	8.9	10.6	0.19	454	0.85
DD006790		0.24	5.2	0.54	1.77	0.08	0.02	0.04	0.007	0.02	1.7	0.8	0.02	32	0.26
DD006791		2.84	18.5	2.73	4.99	0.08	<0.02	0.10	0.021	0.05	12.6	13.7	0.23	447	1.27
DD006792		2.25	18.2	1.89	3.16	0.09	<0.02	0.07	0.015	0.04	11.3	8.4	0.12	657	0.80
DD006793		4.92	41.8	2.66	3.03	0.11	<0.02	0.09	0.016	0.05	21.2	17.4	0.22	574	0.80
DD006794		1.60	11.8	0.88	1.85	0.08	<0.02	0.02	0.007	0.03	7.1	3.5	0.06	66	0.29
DD006795		1.45	4.4	0.89	1.20	0.08	<0.02	0.09	0.008	0.05	2.6	1.1	0.03	380	0.49
DD006796		0.58	2.5	0.43	0.83	0.07	<0.02	0.08	<0.005	0.03	1.2	0.3	0.02	42	0.21
DD006797		1.28	12.6	1.59	2.43	0.08	<0.02	0.04	0.011	0.03	7.8	7.6	0.13	385	0.68
DD006798		0.18	3.8	0.47	1.13	0.08	<0.02	0.02	0.006	0.02	0.9	0.3	0.02	33	0.17
DD006799		0.50	4.3	0.59	1.35	0.08	<0.02	0.04	0.006	0.02	2.1	0.5	0.02	44	0.32
DD006800		1.90	19.9	3.44	6.54	0.09	<0.02	0.04	0.021	0.05	13.3	8.6	0.21	512	1.56



ALS Canada Ltd.
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 North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME-MS41 Nb ppm 0.05	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2
DD006779		0.23	3.8	770	5.6	4.4	<0.001	0.06	0.20	0.3	0.5	0.2	8.6	<0.01	0.02	<0.2
DD006780		0.12	2.8	310	5.3	2.3	<0.001	0.01	0.13	0.2	0.2	0.2	6.4	<0.01	0.01	<0.2
DD006781		0.65	24.8	1180	19.6	7.7	<0.001	<0.01	1.09	3.3	0.8	0.4	18.5	<0.01	0.04	5.8
DD006782		0.36	17.8	840	17.6	8.8	<0.001	0.03	0.82	1.3	0.7	0.3	15.4	<0.01	0.04	0.5
DD006783		0.10	1.8	480	2.1	2.1	<0.001	0.02	0.05	0.2	0.3	<0.2	9.1	<0.01	0.01	<0.2
DD006784		0.31	8.6	610	15.1	5.5	<0.001	0.04	0.46	0.6	0.2	0.3	9.3	<0.01	0.02	0.3
DD006785		0.61	22.8	810	23.2	9.9	0.001	0.02	0.87	2.1	0.7	0.6	15.3	<0.01	0.05	1.3
DD006786		0.19	7.9	640	8.4	4.2	<0.001	0.04	0.23	0.3	0.6	0.3	8.0	<0.01	0.02	<0.2
DD006787		0.48	20.1	760	21.4	7.6	<0.001	0.02	0.76	1.5	0.9	0.5	11.2	<0.01	0.05	0.8
DD006788		0.56	19.7	660	24.0	9.4	<0.001	0.02	0.80	1.4	0.6	0.4	10.5	<0.01	0.04	1.3
DD006789		0.32	11.7	720	15.2	6.7	<0.001	0.05	0.44	0.7	0.5	0.3	17.3	<0.01	0.03	0.4
DD006790		0.31	1.7	370	3.1	1.2	<0.001	0.03	<0.05	0.3	<0.2	<0.2	6.9	<0.01	0.02	<0.2
DD006791		0.36	14.7	750	26.7	9.6	<0.001	0.05	0.64	0.6	0.3	0.5	10.2	<0.01	0.04	0.4
DD006792		0.22	11.2	760	22.6	7.2	<0.001	0.05	0.42	0.4	0.5	0.3	9.1	<0.01	0.03	0.3
DD006793		0.18	19.5	820	34.4	5.8	<0.001	0.05	0.82	0.5	0.3	0.3	12.2	<0.01	0.05	0.4
DD006794		0.07	5.2	610	8.2	2.7	<0.001	0.03	0.22	0.1	0.2	0.2	6.3	<0.01	0.01	<0.2
DD006795		0.07	3.2	1040	7.6	3.8	<0.001	0.06	0.17	0.1	0.3	0.2	9.4	<0.01	0.01	<0.2
DD006796		0.06	1.8	560	3.1	1.6	<0.001	0.04	<0.05	0.1	<0.2	0.2	9.1	<0.01	<0.01	<0.2
DD006797		0.24	10.3	520	14.5	4.2	<0.001	0.03	0.41	0.5	0.2	0.2	8.4	<0.01	0.01	0.3
DD006798		0.07	1.5	330	2.6	1.0	<0.001	0.02	<0.05	0.1	<0.2	<0.2	8.1	<0.01	<0.01	<0.2
DD006799		0.18	2.6	460	3.2	1.7	0.001	0.04	0.05	0.2	0.2	0.2	7.0	<0.01	0.01	<0.2
DD006800		0.88	14.7	560	28.7	8.3	<0.001	0.02	0.79	1.2	0.5	0.7	6.2	<0.01	0.04	1.0



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Project: Lansing - Leah

CERTIFICATE OF ANALYSIS WH11149863

Sample Description	Method Analyte Units LOR	ME-MS41 Ti %	ME-MS41 Ti ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD006779		0.015	0.04	0.55	16	0.10	1.20	21	<0.5
DD006780		0.019	0.03	0.22	18	0.08	0.59	13	<0.5
DD006781		0.045	0.09	1.97	39	0.42	9.34	106	0.9
DD006782		0.028	0.09	1.32	33	0.29	5.08	72	<0.5
DD006783		0.015	0.02	0.22	16	<0.05	0.56	11	<0.5
DD006784		0.019	0.06	0.81	20	0.17	1.92	37	<0.5
DD006785		0.037	0.12	1.20	49	0.31	4.99	90	0.5
DD006786		0.020	0.06	0.58	20	0.17	2.21	35	<0.5
DD006787		0.030	0.09	1.08	44	0.26	4.35	81	<0.5
DD006788		0.028	0.10	1.02	37	0.28	3.50	88	<0.5
DD006789		0.020	0.06	0.94	24	0.21	2.61	56	<0.5
DD006790		0.020	0.03	0.25	12	<0.05	0.59	12	<0.5
DD006791		0.022	0.07	1.05	37	0.25	2.18	75	<0.5
DD006792		0.014	0.05	0.87	22	0.17	1.94	58	<0.5
DD006793		0.012	0.05	1.25	21	0.19	3.37	77	<0.5
DD006794		0.011	0.04	0.45	13	0.08	1.27	23	<0.5
DD006795		0.007	0.03	0.33	16	0.09	0.67	34	<0.5
DD006796		0.011	0.02	0.26	13	<0.05	0.23	15	<0.5
DD006797		0.020	0.05	0.61	22	0.13	1.75	47	<0.5
DD006798		0.013	0.02	0.17	14	<0.05	0.28	11	<0.5
DD006799		0.017	0.03	0.26	15	0.05	0.53	14	<0.5
DD006800		0.039	0.12	0.69	50	0.33	2.16	56	<0.5



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Project: Lansing - Leah

CERTIFICATE OF ANALYSIS WH11149863

Method	CERTIFICATE COMMENTS
ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).



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CERTIFICATE WH11115583

Project: Lansing - Leah

P.O. No.:

This report is for 2 Rock samples submitted to our lab in Whitehorse, YT, Canada on 22-JUN-2011.

The following have access to data associated with this certificate:

DOUG EATON

SARAH EATON

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
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-TL44	Trace Level Au - 50 g AR	ICP-MS
ME-MS41	51 anal. aqua regia ICPMS	

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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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CERTIFICATE OF ANALYSIS WH11115583

Sample Description	Method Analyte Units LOR	WEI-21	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1
1079018		0.34	0.002	0.11	0.51	1020	<0.2	<10	1220	6.05	0.26	0.09	0.54	45.4	156.5
1079019		0.45	0.052	0.16	0.39	92.7	<0.2	<10	90	0.29	0.47	0.03	0.04	45.0	5.2



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***** See Appendix Page for comments regarding this certificate *****



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Project: Lansing - Leah

CERTIFICATE OF ANALYSIS WH11115583

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm 0.05	ppm 0.2	ppm 10	ppm 0.2	ppm 0.1	ppm 0.001	% 0.01	ppm 0.05	ppm 0.1	ppm 0.2	ppm 0.2	ppm 0.2	ppm 0.01	ppm 0.01	ppm 0.2
1079018		<0.05	181.5	5000	15.6	3.2	<0.001	0.01	0.53	3.6	0.7	<0.2	406	<0.01	0.01	4.7
1079019		<0.05	5.6	370	17.2	8.1	<0.001	0.07	0.64	0.8	<0.2	0.2	21.8	<0.01	<0.01	8.4



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CERTIFICATE OF ANALYSIS WH11115583

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	TI	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
1079018		<0.005	<0.02	2.68	3	5.51	33.4	294	2.7
1079019		<0.005	0.05	0.60	2	0.38	2.81	16	7.3



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CERTIFICATE OF ANALYSIS WH11115583

Method	CERTIFICATE COMMENTS
ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).



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CERTIFICATE WH11115563

Project: Lansing - Leah

P.O. No.:

This report is for 68 Soil samples submitted to our lab in Whitehorse, YT, Canada on 22-JUN-2011.

The following have access to data associated with this certificate:

DOUG EATON

SARAH EATON

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-TL43	Trace Level Au - 25g AR	ICP-MS
ME-MS41	51 anal. aqua regia ICPMS	

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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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CERTIFICATE OF ANALYSIS WH11115563

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au - TL43 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC118307		0.20	0.001	0.03	0.66	7.6	<0.2	<10	50	0.17	0.24	0.04	0.05	25.5	4.5	12
CC118308		0.14	0.001	0.05	0.92	6.8	<0.2	<10	60	0.24	0.23	0.04	0.05	27.2	4.5	13
CC118309		0.24	<0.001	0.11	1.20	8.8	<0.2	<10	80	0.36	0.25	0.06	0.08	25.3	5.2	13
CC118310		0.12	0.002	0.07	0.27	1.6	<0.2	<10	20	0.06	0.07	0.03	0.02	10.40	1.2	5
CC118311		0.22	0.001	0.02	1.38	13.2	<0.2	<10	80	0.19	0.30	0.05	0.08	29.2	7.2	25
CC118312		0.16	<0.001	0.01	0.36	0.4	<0.2	<10	10	0.06	0.03	0.04	0.02	2.24	1.2	5
CC118313		0.14	0.001	0.19	0.59	10.4	<0.2	<10	30	0.25	0.18	0.03	0.03	19.80	3.8	11
CC118314		0.16	0.001	0.03	1.19	21.7	<0.2	<10	40	0.83	0.41	0.03	0.06	44.1	8.8	16
CC118315		0.10	0.002	0.13	1.35	14.1	<0.2	<10	150	1.18	0.39	0.10	0.19	39.7	13.0	14
CC118316		0.12	<0.001	0.18	0.22	0.6	<0.2	<10	20	<0.05	0.05	0.03	0.02	4.77	0.9	6
CC118317		0.18	0.003	0.11	1.35	32.5	<0.2	<10	90	0.51	0.38	0.05	0.11	37.3	11.2	20
CC118318		0.10	0.003	0.06	0.84	32.7	<0.2	<10	60	0.31	0.30	0.09	0.13	41.5	9.2	16
CC118319		0.14	0.003	0.05	1.01	24.6	<0.2	<10	50	0.26	0.33	0.04	0.08	31.1	5.2	18
CC118320		0.14	0.003	0.14	0.52	15.7	<0.2	<10	30	0.11	0.17	0.02	0.03	14.10	1.9	6
CC118321		0.14	0.003	0.08	0.67	62.1	<0.2	<10	40	0.13	0.42	0.03	0.07	28.2	3.8	13
CC118322		0.18	0.003	0.11	1.17	19.4	<0.2	<10	80	0.32	0.50	0.04	0.07	38.0	5.6	16
CC118323		0.14	<0.001	0.03	0.77	6.2	<0.2	<10	60	0.12	0.23	0.03	0.04	36.1	2.4	11
CC118324		0.12	0.002	0.03	1.13	16.3	<0.2	<10	50	0.17	0.34	0.05	0.07	27.4	5.0	20
CC118325		0.20	0.002	0.05	0.96	10.0	<0.2	<10	50	0.20	0.28	0.04	0.07	32.2	6.2	15
CC118326		0.16	0.001	0.07	0.59	4.6	<0.2	<10	40	0.19	0.07	0.13	0.05	8.10	1.6	7
CC118327		0.16	0.001	0.10	1.13	30.0	<0.2	<10	130	0.43	0.21	0.11	0.09	28.6	5.8	19
CC118328		0.22	0.003	0.05	1.29	54.4	<0.2	<10	130	0.45	0.27	0.14	0.09	33.8	8.9	28
CC118329		0.18	0.003	0.05	1.28	12.3	<0.2	<10	80	0.34	0.29	0.06	0.13	38.7	6.5	22
CC118360		0.12	0.001	0.08	0.81	10.5	<0.2	<10	40	0.22	0.19	0.05	0.05	26.1	4.4	13
CC118272		0.30	0.007	0.03	0.24	47.4	<0.2	<10	20	0.14	0.28	0.02	0.02	75.2	6.3	7
CC117936		0.22	0.003	0.04	1.58	14.5	<0.2	<10	80	0.57	0.41	0.05	0.10	52.9	12.8	21
CC117937		0.22	0.003	0.03	0.90	11.7	<0.2	<10	50	0.29	0.31	0.03	0.07	37.7	8.3	15
CC117938		0.22	0.001	0.04	0.66	9.5	<0.2	<10	40	0.14	0.32	0.03	0.04	37.9	5.7	12
CC117939		0.20	0.010	0.09	1.15	92.1	<0.2	<10	80	0.66	0.44	0.06	0.10	66.0	16.8	18
CC117940		0.26	0.018	0.17	0.88	182.0	<0.2	<10	50	0.38	0.45	0.05	0.06	81.7	15.1	12
CC117941		0.24	0.017	0.27	0.54	240	<0.2	<10	30	0.57	0.62	0.04	0.11	118.0	27.0	7
CC117942		0.24	0.009	0.13	0.88	49.6	<0.2	<10	50	0.43	0.37	0.06	0.09	47.3	12.6	12
CC117943		0.32	0.006	0.06	1.05	58.5	<0.2	<10	70	0.38	0.33	0.04	0.11	50.3	9.2	16
CC117944		0.18	0.005	0.12	1.06	37.9	<0.2	<10	90	0.40	0.28	0.05	0.13	37.2	7.7	16
CC117945		0.26	0.005	0.04	1.14	38.9	<0.2	<10	70	0.41	0.33	0.03	0.16	52.5	9.3	16
CC117946		0.14	0.003	0.06	0.91	24.4	<0.2	<10	50	0.30	0.37	0.05	0.15	35.1	7.2	17
CC117947		0.28	0.003	0.09	1.03	34.9	<0.2	<10	50	0.47	0.58	0.05	0.10	47.5	11.7	16
CC117948		0.16	0.004	0.03	1.55	34.2	<0.2	<10	120	0.62	0.56	0.05	0.19	46.7	14.9	22
CC117949		0.20	0.004	0.04	1.04	39.7	<0.2	<10	50	0.44	0.64	0.05	0.09	85.1	21.1	17
CC117950		0.18	0.002	0.06	1.28	26.1	<0.2	<10	60	0.29	0.46	0.03	0.08	40.7	5.3	17



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CERTIFICATE OF ANALYSIS WH11115563

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
CC118307		1.59	12.8	1.60	3.82	0.05	<0.02	0.03	0.009	0.04	13.1	9.5	0.15	145	0.90
CC118308		2.22	14.2	1.72	4.31	0.06	<0.02	0.03	0.009	0.04	14.0	12.5	0.16	145	0.85
CC118309		2.21	19.3	1.83	4.81	0.06	<0.02	0.03	0.012	0.04	12.8	14.5	0.20	152	0.82
CC118310		0.50	5.9	0.66	1.65	<0.05	<0.02	0.02	<0.005	0.02	5.4	1.4	0.03	26	0.40
CC118311		1.68	15.2	3.24	6.91	0.07	<0.02	0.02	0.019	0.05	15.0	13.6	0.28	436	1.84
CC118312		0.18	4.8	0.50	1.56	<0.05	<0.02	0.01	<0.005	0.02	1.2	0.6	0.02	22	0.43
CC118313		1.30	21.6	1.82	3.23	0.05	<0.02	0.03	0.008	0.02	10.1	5.8	0.11	86	0.93
CC118314		1.59	28.4	4.33	4.36	0.10	0.03	0.02	0.016	0.03	21.4	14.9	0.28	420	0.95
CC118315		2.05	67.0	3.33	4.47	0.11	0.04	0.05	0.032	0.04	21.1	21.5	0.31	4640	0.77
CC118316		0.45	3.7	0.54	1.33	<0.05	<0.02	0.03	<0.005	0.02	2.4	0.9	0.02	45	0.47
CC118317		2.03	26.1	3.21	4.52	0.08	0.02	0.03	0.017	0.04	18.4	23.2	0.33	1020	1.44
CC118318		1.03	23.6	2.89	3.33	0.09	<0.02	0.03	0.016	0.04	20.9	14.3	0.27	565	1.10
CC118319		2.19	17.6	2.83	5.03	0.07	<0.02	0.05	0.016	0.05	15.3	9.9	0.20	325	1.28
CC118320		1.17	7.7	1.04	2.76	<0.05	<0.02	0.02	0.008	0.02	7.2	2.4	0.05	70	0.58
CC118321		2.12	14.1	2.94	6.28	0.08	<0.02	0.03	0.014	0.04	13.9	3.5	0.09	235	1.44
CC118322		5.15	22.3	2.70	4.69	0.08	<0.02	0.03	0.019	0.04	19.8	15.1	0.26	278	1.19
CC118323		1.73	8.5	1.67	4.64	0.06	<0.02	0.02	0.009	0.03	18.1	5.1	0.10	141	0.89
CC118324		2.21	10.9	3.54	8.06	0.08	<0.02	0.02	0.019	0.05	13.7	6.1	0.23	475	1.80
CC118325		1.60	11.4	2.48	3.88	0.07	<0.02	0.02	0.013	0.04	16.2	12.7	0.23	448	0.83
CC118326		2.36	4.6	0.60	2.10	<0.05	<0.02	0.02	0.005	0.02	4.1	4.8	0.07	122	0.46
CC118327		1.91	14.7	2.02	3.58	0.05	<0.02	0.02	0.013	0.04	13.7	15.8	0.27	744	0.83
CC118328		10.10	14.7	2.65	4.49	0.08	<0.02	0.02	0.016	0.05	16.3	23.0	0.38	594	1.03
CC118329		3.04	14.7	2.63	4.71	0.08	<0.02	0.02	0.016	0.05	19.8	24.4	0.38	307	0.95
CC118360		1.66	11.9	2.08	3.69	0.06	<0.02	0.03	0.010	0.03	13.5	11.7	0.20	226	0.67
CC118272		2.40	5.0	2.13	1.49	0.10	<0.02	0.06	0.007	0.05	36.7	1.3	0.02	171	0.28
CC117936		1.89	33.2	3.58	4.40	0.10	0.05	0.02	0.016	0.05	25.6	34.2	0.44	725	1.00
CC117937		1.73	21.2	2.64	3.89	0.09	<0.02	0.02	0.013	0.04	18.8	19.0	0.29	460	1.03
CC117938		1.74	10.5	2.35	4.45	0.08	<0.02	0.03	0.009	0.04	18.9	6.7	0.13	804	1.03
CC117939		3.22	40.9	3.85	3.92	0.13	0.02	0.03	0.017	0.04	32.9	28.7	0.41	1540	0.67
CC117940		2.00	35.5	3.54	3.02	0.13	0.02	0.02	0.016	0.03	40.3	21.7	0.30	629	0.56
CC117941		1.40	39.2	4.92	2.27	0.17	0.03	0.01	0.027	0.03	57.4	13.4	0.18	1360	1.59
CC117942		2.27	30.3	3.37	3.04	0.09	0.02	0.03	0.016	0.04	23.6	15.4	0.23	673	0.78
CC117943		1.83	24.7	3.06	3.84	0.09	<0.02	0.02	0.015	0.05	25.0	16.1	0.26	382	1.03
CC117944		1.78	24.1	2.53	3.79	0.08	<0.02	0.03	0.015	0.04	18.8	17.3	0.27	385	1.06
CC117945		2.16	23.9	3.04	4.20	0.11	<0.02	0.02	0.017	0.04	26.1	18.0	0.28	507	1.04
CC117946		2.81	17.4	2.66	3.95	0.09	<0.02	0.02	0.016	0.05	17.7	12.8	0.25	450	1.05
CC117947		3.08	26.7	4.04	3.97	0.11	0.02	0.04	0.030	0.05	24.5	12.3	0.21	697	1.16
CC117948		4.96	26.9	4.01	4.84	0.11	0.02	0.02	0.029	0.07	23.7	19.2	0.33	694	1.48
CC117949		3.05	32.7	4.65	3.54	0.15	0.03	0.02	0.022	0.05	42.2	20.8	0.31	1270	0.70
CC117950		2.31	15.9	3.54	6.02	0.08	<0.02	0.02	0.018	0.04	20.6	13.3	0.20	290	1.28



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-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
CC118307		0.12	10.7	690	9.9	6.9	<0.001	<0.01	0.33	0.4	0.3	0.3	5.8	<0.01	0.02
CC118308		0.27	10.5	530	9.0	8.1	<0.001	<0.01	0.27	0.6	0.4	0.3	5.4	<0.01	0.02
CC118309		0.23	12.5	750	9.3	7.7	<0.001	<0.01	0.34	0.6	0.5	0.3	8.0	<0.01	0.03
CC118310		0.08	3.4	630	5.5	2.5	<0.001	<0.01	0.08	0.2	0.2	0.2	4.9	<0.01	0.01
CC118311		1.27	14.9	450	16.1	10.8	<0.001	<0.01	0.79	1.5	0.7	0.7	9.8	<0.01	0.04
CC118312		0.12	3.5	350	2.6	1.0	<0.001	<0.01	0.06	0.2	0.2	<0.2	7.4	<0.01	0.01
CC118313		0.12	11.0	820	7.4	3.9	<0.001	<0.01	0.25	0.5	0.3	0.3	4.7	<0.01	0.03
CC118314		0.33	20.7	860	15.1	8.2	<0.001	0.03	0.52	1.1	0.4	0.3	4.9	<0.01	0.05
CC118315		0.19	26.0	910	28.9	7.0	<0.001	0.04	0.43	1.5	0.7	0.2	10.1	<0.01	0.05
CC118316		0.10	3.5	370	2.4	1.5	<0.001	0.03	0.05	0.2	0.3	0.2	6.2	<0.01	0.01
CC118317		0.33	21.1	690	28.7	7.9	<0.001	0.04	0.47	1.2	0.5	0.3	11.7	<0.01	0.04
CC118318		0.28	21.0	680	18.9	6.0	<0.001	0.02	0.95	1.1	0.5	0.3	9.8	<0.01	0.03
CC118319		0.29	13.3	600	15.6	12.9	<0.001	0.04	0.85	0.6	0.6	0.5	7.8	<0.01	0.04
CC118320		0.08	4.6	420	7.9	5.5	<0.001	0.03	0.51	0.3	0.4	0.2	4.8	<0.01	0.02
CC118321		0.38	10.1	550	14.1	14.7	<0.001	0.04	1.72	0.5	0.6	0.6	6.9	<0.01	0.05
CC118322		0.21	15.4	650	25.5	10.9	<0.001	0.03	0.99	0.6	0.6	0.4	9.9	<0.01	0.04
CC118323		0.28	6.7	300	9.0	8.6	<0.001	0.02	0.35	0.6	0.4	0.5	6.1	<0.01	0.03
CC118324		1.22	12.4	610	18.8	11.5	<0.001	0.03	0.77	1.5	0.6	0.8	7.6	<0.01	0.05
CC118325		0.18	13.5	490	15.7	9.7	<0.001	0.03	0.47	0.5	0.4	0.3	6.0	<0.01	0.03
CC118326		0.07	5.1	1030	3.8	2.9	<0.001	0.05	0.12	0.2	0.5	0.2	13.2	<0.01	0.01
CC118327		0.13	15.8	830	8.7	7.5	<0.001	0.07	0.45	0.6	0.5	0.3	15.6	<0.01	0.02
CC118328		0.19	20.0	880	11.6	7.2	<0.001	0.06	0.46	1.0	0.5	0.3	17.7	<0.01	0.02
CC118329		0.33	19.7	520	10.7	10.7	<0.001	0.04	0.43	1.0	0.5	0.4	9.8	<0.01	0.02
CC118360		0.11	11.2	520	9.5	5.1	<0.001	0.03	0.33	0.4	0.4	0.2	6.8	<0.01	0.02
CC118272		0.11	11.3	390	13.9	8.6	<0.001	0.04	1.86	0.9	0.3	0.2	8.0	<0.01	0.04
CC117936		0.38	27.9	510	18.7	9.2	<0.001	0.02	0.56	1.7	0.5	0.3	7.1	<0.01	0.04
CC117937		0.20	19.7	460	15.5	5.9	<0.001	0.03	0.47	0.7	0.4	0.3	5.6	<0.01	0.04
CC117938		0.17	10.1	540	13.5	8.2	<0.001	0.03	0.37	0.4	0.4	0.4	5.2	<0.01	0.04
CC117939		0.22	37.3	560	23.3	6.9	<0.001	0.03	0.77	1.4	0.4	0.2	13.5	<0.01	0.06
CC117940		0.18	30.1	490	34.2	5.2	<0.001	0.02	1.04	1.6	0.3	0.2	11.3	<0.01	0.04
CC117941		0.11	36.5	410	46.4	3.5	<0.001	0.03	2.23	2.6	0.4	<0.2	17.1	<0.01	0.08
CC117942		0.20	26.4	670	25.6	7.2	<0.001	0.04	0.99	1.1	0.5	0.2	12.2	<0.01	0.04
CC117943		0.25	22.5	480	16.4	8.9	<0.001	0.02	0.87	1.0	0.5	0.3	9.9	<0.01	0.03
CC117944		0.20	20.7	600	15.8	9.3	<0.001	0.04	0.62	0.8	0.5	0.3	8.8	<0.01	0.03
CC117945		0.32	22.2	500	16.3	10.1	<0.001	0.02	0.75	1.2	0.5	0.4	8.8	<0.01	0.05
CC117946		0.19	17.1	640	16.8	10.0	<0.001	0.04	0.66	0.6	0.5	0.3	8.2	<0.01	0.03
CC117947		0.46	19.7	720	34.7	8.9	<0.001	0.03	1.18	1.3	0.6	0.4	9.5	<0.01	0.04
CC117948		0.44	26.4	590	32.9	13.2	<0.001	0.02	1.50	1.4	0.6	0.4	11.6	<0.01	0.06
CC117949		0.26	23.3	680	30.0	6.7	<0.001	0.02	1.69	1.5	0.5	0.3	10.3	<0.01	0.04
CC117950		0.91	12.8	390	18.7	10.5	<0.001	0.03	0.90	1.4	0.5	0.6	7.0	<0.01	0.05



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-MS41 Ti %	ME-MS41 Ti ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC118307		0.014	0.06	0.64	22	0.14	1.53	37	<0.5
CC118308		0.019	0.07	0.56	23	0.14	1.98	33	<0.5
CC118309		0.019	0.07	0.77	26	0.16	2.96	43	<0.5
CC118310		0.009	0.03	0.37	11	<0.05	0.70	9	<0.5
CC118311		0.046	0.11	0.65	56	0.34	2.51	59	<0.5
CC118312		0.019	<0.02	0.20	14	<0.05	0.36	7	<0.5
CC118313		0.012	0.05	0.61	18	0.43	1.65	28	<0.5
CC118314		0.012	0.06	0.92	24	2.50	3.06	59	0.5
CC118315		0.010	0.04	1.19	18	0.87	13.60	85	0.6
CC118316		0.011	0.02	0.30	11	0.07	0.41	7	<0.5
CC118317		0.015	0.06	0.76	28	0.37	3.35	71	<0.5
CC118318		0.022	0.06	0.94	30	0.26	3.65	75	<0.5
CC118319		0.021	0.11	0.85	40	0.24	2.43	62	<0.5
CC118320		0.008	0.05	0.47	16	0.11	1.02	19	<0.5
CC118321		0.026	0.11	0.58	42	0.25	1.81	46	<0.5
CC118322		0.016	0.10	1.04	27	0.21	3.67	69	<0.5
CC118323		0.018	0.11	0.50	27	0.19	2.18	27	<0.5
CC118324		0.062	0.11	0.62	64	0.40	2.28	48	<0.5
CC118325		0.015	0.07	0.63	24	0.19	2.07	48	<0.5
CC118326		0.009	0.03	0.49	8	0.06	1.68	20	<0.5
CC118327		0.015	0.07	0.90	24	0.17	2.97	57	<0.5
CC118328		0.025	0.07	0.90	32	0.21	3.48	80	<0.5
CC118329		0.029	0.08	0.74	31	0.24	2.91	72	<0.5
CC118360		0.014	0.05	0.60	22	0.20	2.13	40	<0.5
CC118272		0.006	0.06	0.40	12	0.26	1.62	49	<0.5
CC117936		0.019	0.06	1.17	26	0.27	4.01	90	1.4
CC117937		0.016	0.05	0.77	24	0.16	2.52	62	<0.5
CC117938		0.013	0.08	0.46	27	0.17	1.79	36	<0.5
CC117939		0.018	0.04	1.25	24	0.44	4.68	105	<0.5
CC117940		0.010	0.03	1.21	14	0.48	4.33	93	<0.5
CC117941		0.007	0.03	1.87	8	1.84	7.19	125	0.8
CC117942		0.013	0.06	1.19	20	0.22	4.49	83	<0.5
CC117943		0.017	0.07	0.84	26	0.23	3.18	78	<0.5
CC117944		0.014	0.08	0.88	24	0.21	3.70	66	<0.5
CC117945		0.018	0.07	0.93	25	0.24	3.87	67	<0.5
CC117946		0.020	0.05	0.95	26	0.17	2.98	71	<0.5
CC117947		0.020	0.08	1.69	28	0.20	3.97	100	<0.5
CC117948		0.024	0.12	1.12	36	0.29	3.78	111	<0.5
CC117949		0.036	0.06	1.49	18	0.45	4.75	108	0.8
CC117950		0.026	0.13	0.69	41	0.26	2.43	53	<0.5



ALS Canada Ltd.
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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 - TL43 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC117951		0.18	0.004	0.04	1.85	24.1	<0.2	<10	140	0.57	0.46	0.05	0.12	45.9	14.5	24
CC117952		0.22	0.002	0.04	1.18	29.1	<0.2	<10	40	0.30	0.44	0.05	0.12	51.6	7.9	18
CC117953		0.22	0.033	0.03	1.41	17.7	<0.2	<10	100	0.43	0.31	0.05	0.13	50.1	9.6	21
CC117954		0.28	0.003	0.03	1.30	18.2	<0.2	<10	100	0.47	0.31	0.07	0.18	52.3	9.9	20
CC117955		0.28	0.002	0.04	1.21	16.6	<0.2	<10	80	0.31	0.29	0.05	0.10	49.4	8.3	19
CC117956		0.30	0.002	0.04	1.05	16.7	<0.2	<10	60	0.29	0.28	0.10	0.12	57.1	9.2	17
CC117957		0.34	0.006	0.09	1.40	17.1	<0.2	<10	80	0.40	0.32	0.06	0.13	47.5	10.5	21
CC117958		0.28	0.004	0.04	1.32	12.8	<0.2	<10	80	0.41	0.27	0.11	0.18	53.3	11.0	20
CC117959		0.26	0.004	0.05	1.59	10.6	<0.2	<10	80	0.36	0.29	0.07	0.11	49.6	9.4	24
CC117960		0.32	0.004	0.06	1.67	13.1	<0.2	<10	100	0.48	0.31	0.06	0.16	48.5	11.2	25
CC117961		0.28	0.003	0.05	1.77	16.6	<0.2	<10	80	0.67	0.37	0.10	0.19	43.8	20.4	25
CC117962		0.32	0.007	0.09	1.47	55.0	<0.2	<10	130	1.06	0.36	0.19	0.49	45.9	19.0	24
CC117963		0.22	0.001	0.53	1.20	139.0	<0.2	<10	150	1.45	0.51	0.34	1.17	40.6	16.0	21
CC117964		0.26	0.005	0.14	1.36	59.8	<0.2	<10	140	1.21	0.42	0.20	0.35	38.4	15.4	22
CC118330		0.14	0.011	0.21	0.86	61.2	<0.2	<10	140	0.70	0.33	0.19	0.38	41.2	15.6	14
CC118331		0.26	0.006	0.09	0.90	51.6	<0.2	<10	100	0.59	0.38	0.14	0.22	55.9	17.7	15
CC118332		0.32	0.002	0.05	1.07	10.0	<0.2	<10	90	0.49	0.42	0.06	0.08	54.0	15.3	17
CC118333		0.14	0.004	0.07	0.50	3.7	<0.2	<10	60	0.21	0.12	0.05	0.08	20.3	4.2	8
CC118334		0.22	0.002	0.02	0.54	11.3	<0.2	<10	20	0.16	0.14	0.03	0.03	12.85	6.7	9
CC118335		0.36	0.003	0.07	1.04	8.8	<0.2	<10	140	0.44	0.41	0.29	0.15	71.4	20.9	19
CC118336		0.16	0.006	0.15	0.89	9.9	<0.2	<10	60	0.29	0.37	0.04	0.09	37.0	5.2	10
CC118337		0.26	0.004	0.05	0.20	1.2	<0.2	<10	20	<0.05	0.10	0.03	0.02	11.30	1.8	4
CC118338		0.22	0.001	0.28	0.73	5.0	<0.2	<10	50	0.20	0.37	0.03	0.06	38.9	6.1	12
CC118339		0.24	0.001	0.09	1.06	10.3	<0.2	<10	80	0.41	0.37	0.04	0.12	41.3	12.8	17
CC118340		0.28	0.001	0.03	1.24	7.3	<0.2	<10	40	0.42	0.53	0.04	0.06	47.1	15.0	19
CC118341		0.20	0.001	0.04	0.45	2.6	<0.2	<10	40	0.14	0.21	0.03	0.04	20.9	3.9	9
CC118342		0.24	0.003	0.10	1.87	26.9	<0.2	<10	80	0.79	0.33	0.23	0.19	51.9	27.1	26
CC118276		0.24	0.008	0.14	0.97	51.8	<0.2	<10	130	0.68	0.37	0.27	0.34	50.1	19.1	14



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
CC117951		2.83	26.0	3.62	5.81	0.10	0.02	0.02	0.030	0.07	22.5	29.6	0.45	677	1.14
CC117952		1.54	22.3	4.67	4.55	0.11	0.02	0.02	0.020	0.03	26.0	18.2	0.28	409	1.47
CC117953		1.52	17.9	3.22	4.49	0.10	0.02	0.02	0.020	0.05	25.1	23.3	0.39	457	0.95
CC117954		2.55	21.0	2.69	4.65	0.14	<0.02	0.01	0.018	0.05	26.2	18.1	0.32	466	0.91
CC117955		2.23	20.2	2.59	4.21	0.12	<0.02	0.02	0.016	0.05	23.9	16.6	0.30	377	0.94
CC117956		1.76	23.2	2.76	3.72	0.13	<0.02	<0.01	0.014	0.04	27.9	16.6	0.30	338	0.88
CC117957		3.60	30.2	2.95	4.44	0.12	<0.02	0.03	0.020	0.04	24.0	23.3	0.36	399	1.03
CC117958		1.91	29.6	2.84	3.86	0.14	0.02	0.02	0.015	0.04	27.7	19.7	0.36	430	0.79
CC117959		2.48	18.3	2.76	5.31	0.12	<0.02	0.02	0.017	0.05	23.7	21.7	0.39	436	0.88
CC117960		2.88	27.2	3.06	5.60	0.13	<0.02	0.01	0.018	0.06	24.3	25.0	0.45	565	1.05
CC117961		3.66	34.9	3.49	5.04	0.11	0.03	0.01	0.019	0.06	21.8	27.5	0.47	735	1.32
CC117962		6.82	26.1	3.26	4.71	0.08	<0.02	0.02	0.018	0.08	25.0	34.7	0.43	802	2.97
CC117963		8.38	33.4	2.76	3.85	0.08	0.03	0.03	0.016	0.08	22.0	26.7	0.33	870	2.92
CC117964		8.09	35.8	3.13	4.48	0.06	0.02	0.03	0.019	0.07	21.4	29.4	0.37	851	2.42
CC118330		7.07	40.2	2.67	2.68	0.06	0.02	0.04	0.016	0.07	20.8	17.6	0.28	837	0.91
CC118331		3.41	39.5	3.47	2.92	0.09	0.02	0.02	0.015	0.06	29.9	22.4	0.34	1090	0.67
CC118332		1.70	33.5	2.95	3.88	0.09	<0.02	0.01	0.010	0.04	28.9	25.4	0.46	1160	1.04
CC118333		1.04	13.4	1.09	2.25	<0.05	<0.02	0.03	0.006	0.05	10.5	7.0	0.12	100	0.46
CC118334		0.82	13.1	1.72	2.83	<0.05	<0.02	0.01	0.011	0.02	6.2	9.7	0.14	330	0.36
CC118335		2.14	48.1	3.46	3.57	0.12	0.07	0.02	0.017	0.09	36.6	19.3	0.43	1420	0.74
CC118336		2.85	16.2	1.89	3.30	0.05	0.02	0.07	0.012	0.07	19.0	11.2	0.18	135	0.74
CC118337		0.54	4.1	0.90	1.61	<0.05	<0.02	0.02	0.005	0.02	5.6	2.3	0.05	58	0.36
CC118338		1.89	17.0	1.99	4.41	0.05	<0.02	0.03	0.010	0.04	19.6	9.5	0.18	291	1.05
CC118339		1.50	25.7	2.67	4.43	0.05	<0.02	0.02	0.017	0.04	19.5	25.5	0.37	780	0.93
CC118340		1.96	29.4	3.11	5.66	0.07	<0.02	0.02	0.016	0.03	22.5	32.0	0.46	776	1.26
CC118341		2.12	14.8	1.20	2.93	<0.05	<0.02	0.01	0.005	0.03	10.7	8.0	0.14	150	0.46
CC118342		1.99	48.4	4.51	6.01	0.09	0.03	0.04	0.036	0.05	23.5	41.2	0.60	991	0.97
CC118276		4.13	42.6	3.03	3.01	0.08	0.05	0.03	0.017	0.06	23.7	22.2	0.34	1220	0.75



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
CC117951		0.62	27.0	480	29.8	13.7	<0.001	0.03	0.91	2.0	0.7	0.5	10.6	<0.01	0.04
CC117952		0.65	18.3	720	24.7	8.0	<0.001	0.03	1.03	1.6	0.6	0.3	7.5	<0.01	0.04
CC117953		0.38	20.9	420	17.5	8.5	<0.001	0.03	0.72	1.4	0.5	0.3	8.1	<0.01	0.03
CC117954		0.35	18.2	580	15.8	13.4	<0.001	0.01	0.76	1.2	0.6	0.5	10.5	<0.01	0.04
CC117955		0.30	17.0	520	13.4	9.1	<0.001	0.03	0.67	1.0	0.4	0.4	9.1	<0.01	0.03
CC117956		0.35	18.3	580	16.2	6.5	<0.001	0.01	0.77	1.3	0.6	0.3	11.5	<0.01	0.01
CC117957		0.21	21.7	740	16.3	7.0	<0.001	0.03	0.70	1.0	0.7	0.4	10.1	<0.01	0.02
CC117958		0.56	21.8	620	15.7	6.1	<0.001	0.01	0.67	1.9	0.4	0.4	10.9	<0.01	0.02
CC117959		0.47	17.7	560	12.9	9.5	<0.001	0.01	0.52	1.3	0.3	0.5	9.6	<0.01	0.01
CC117960		0.34	23.3	560	13.1	11.0	<0.001	0.02	0.63	1.5	0.3	0.5	11.1	<0.01	0.02
CC117961		0.70	30.3	730	18.0	8.8	<0.001	0.01	0.69	2.3	0.8	0.4	10.8	<0.01	0.02
CC117962		0.55	30.1	770	15.9	9.8	<0.001	0.02	0.79	2.1	1.0	0.4	19.2	<0.01	0.02
CC117963		0.63	35.8	970	14.7	9.3	<0.001	0.05	0.91	2.2	2.3	0.4	31.2	<0.01	0.03
CC117964		0.35	28.4	980	16.3	10.8	<0.001	0.03	0.91	2.0	0.9	0.4	22.4	<0.01	0.02
CC118330		0.27	29.5	1010	22.0	5.8	<0.001	0.03	1.38	1.7	0.6	0.3	22.6	<0.01	0.04
CC118331		0.20	30.7	670	22.9	4.6	<0.001	<0.01	1.21	1.8	0.5	0.4	18.4	<0.01	0.04
CC118332		0.28	31.3	400	21.0	3.9	<0.001	<0.01	0.64	1.4	0.2	0.3	10.1	<0.01	0.04
CC118333		0.12	9.6	900	7.3	4.0	<0.001	0.02	0.23	0.4	<0.2	0.3	7.5	<0.01	0.02
CC118334		0.23	9.7	360	7.8	2.0	<0.001	<0.01	0.44	1.2	0.2	0.3	4.9	<0.01	0.02
CC118335		0.32	35.4	890	24.8	6.1	<0.001	<0.01	0.77	2.9	0.8	0.3	28.1	<0.01	0.07
CC118336		0.40	11.5	1180	16.8	10.9	<0.001	0.04	0.78	0.7	0.4	0.5	8.4	<0.01	0.02
CC118337		0.08	3.3	310	2.7	2.0	<0.001	<0.01	0.19	0.2	<0.2	0.2	4.0	<0.01	0.01
CC118338		0.18	12.3	520	11.0	6.8	<0.001	0.01	0.44	0.3	<0.2	0.5	6.1	<0.01	0.04
CC118339		0.19	19.0	480	18.0	5.1	<0.001	<0.01	0.64	0.7	0.2	0.4	6.9	<0.01	0.06
CC118340		0.47	19.4	430	56.3	4.9	<0.001	0.01	0.51	1.5	0.4	0.4	5.7	<0.01	0.05
CC118341		0.25	8.6	290	6.6	4.5	<0.001	<0.01	0.26	0.6	<0.2	0.3	5.2	<0.01	0.02
CC118342		0.51	37.8	740	55.8	6.8	<0.001	0.02	1.63	4.0	0.7	0.4	21.1	<0.01	0.04
CC118276		0.27	31.5	860	24.1	6.8	<0.001	0.02	1.26	2.1	0.9	0.3	32.1	<0.01	0.04



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC117951		0.026	0.13	1.23	35	0.25	4.36	104	0.5
CC117952		0.028	0.07	0.95	27	0.23	3.20	78	0.5
CC117953		0.028	0.07	0.84	32	0.21	3.48	82	<0.5
CC117954		0.029	0.09	1.06	33	0.23	4.92	76	<0.5
CC117955		0.026	0.09	0.86	31	0.22	3.21	66	<0.5
CC117956		0.034	0.07	0.99	29	0.24	4.13	72	<0.5
CC117957		0.025	0.08	1.45	31	0.21	4.64	79	<0.5
CC117958		0.045	0.07	1.16	30	0.24	5.17	77	0.5
CC117959		0.036	0.10	0.90	35	0.28	3.62	71	<0.5
CC117960		0.036	0.09	0.95	36	0.38	3.91	86	<0.5
CC117961		0.042	0.09	1.09	34	0.46	4.78	104	0.9
CC117962		0.041	0.09	1.69	31	0.76	6.54	125	<0.5
CC117963		0.029	0.09	5.48	24	3.85	13.40	133	0.7
CC117964		0.027	0.09	2.21	30	1.00	8.78	113	0.7
CC118330		0.021	0.06	1.43	21	0.22	7.39	113	<0.5
CC118331		0.018	0.05	1.56	17	0.19	6.01	105	0.6
CC118332		0.024	0.04	0.82	24	0.19	3.53	79	<0.5
CC118333		0.009	0.04	0.62	11	0.12	2.03	27	<0.5
CC118334		0.019	0.02	0.30	20	0.13	2.34	24	<0.5
CC118335		0.038	0.06	0.73	26	0.21	11.75	84	3.4
CC118336		0.010	0.15	1.75	14	0.44	4.80	49	0.5
CC118337		0.020	0.02	0.18	17	0.06	0.50	14	<0.5
CC118338		0.025	0.05	0.52	31	0.19	1.70	37	<0.5
CC118339		0.023	0.05	0.63	30	0.20	2.96	56	<0.5
CC118340		0.029	0.05	0.46	34	0.19	2.77	54	<0.5
CC118341		0.022	0.05	0.26	20	0.13	1.00	25	<0.5
CC118342		0.021	0.05	0.75	37	0.13	13.90	96	1.1
CC118276		0.019	0.05	1.62	19	0.26	8.90	106	0.9



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CERTIFICATE OF ANALYSIS WH11115563

Method	CERTIFICATE COMMENTS
ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).

Statement of Expenditures
Leah 1-20 Mineral Claims
October 20, 2011

Expenses

Trans North Helicopters	\$4,205.11
ALS Chemex	<u>5,710.75</u>
	<u>\$9,915.86</u>

