

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

LEROY PROPERTY

Leroy 1-28 YD62731-YD62758
Leroy 29-52 YD01059-YD01082

NTS 105N/02
Latitude 63°14'N; Longitude 132°44'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 Leroy property is located in east-central Yukon and covers the headwaters of creeks that yielded regionally anomalous gold, arsenic, antimony, copper and tin 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 and geochemical surveys conducted on June 12 and July 30, 2011 by Archer, Cathro and Associates (1981) Limited on behalf of New Dimension. The author interpreted all data from this program and his Statement of Qualifications is in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Leroy property is located in east-central Yukon at latitude 63°14' north and longitude 132°44' west on NTS map sheet 105N/02 (Figure 1). It comprises 52 contiguous quartz claims that cover an area of about 1000 hectares (10 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>
Leroy 1-28	YD62731-YD62758	March 31, 2014
Leroy 28-52	YD01059-YD01082	March 31, 2014

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

Daily 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 115 km southwest of the property. 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 three sub-parallel northeast-flowing creeks draining the Leroy property returned variable results, including 99th percentile tin (32 ppm), 98th percentile arsenic (150 ppm), 95th percentile gold (17 ppb), antimony (4.5 ppm), and 80th percentile copper (56 ppm) values for that map sheet.

There is no record of previous staking in the area.

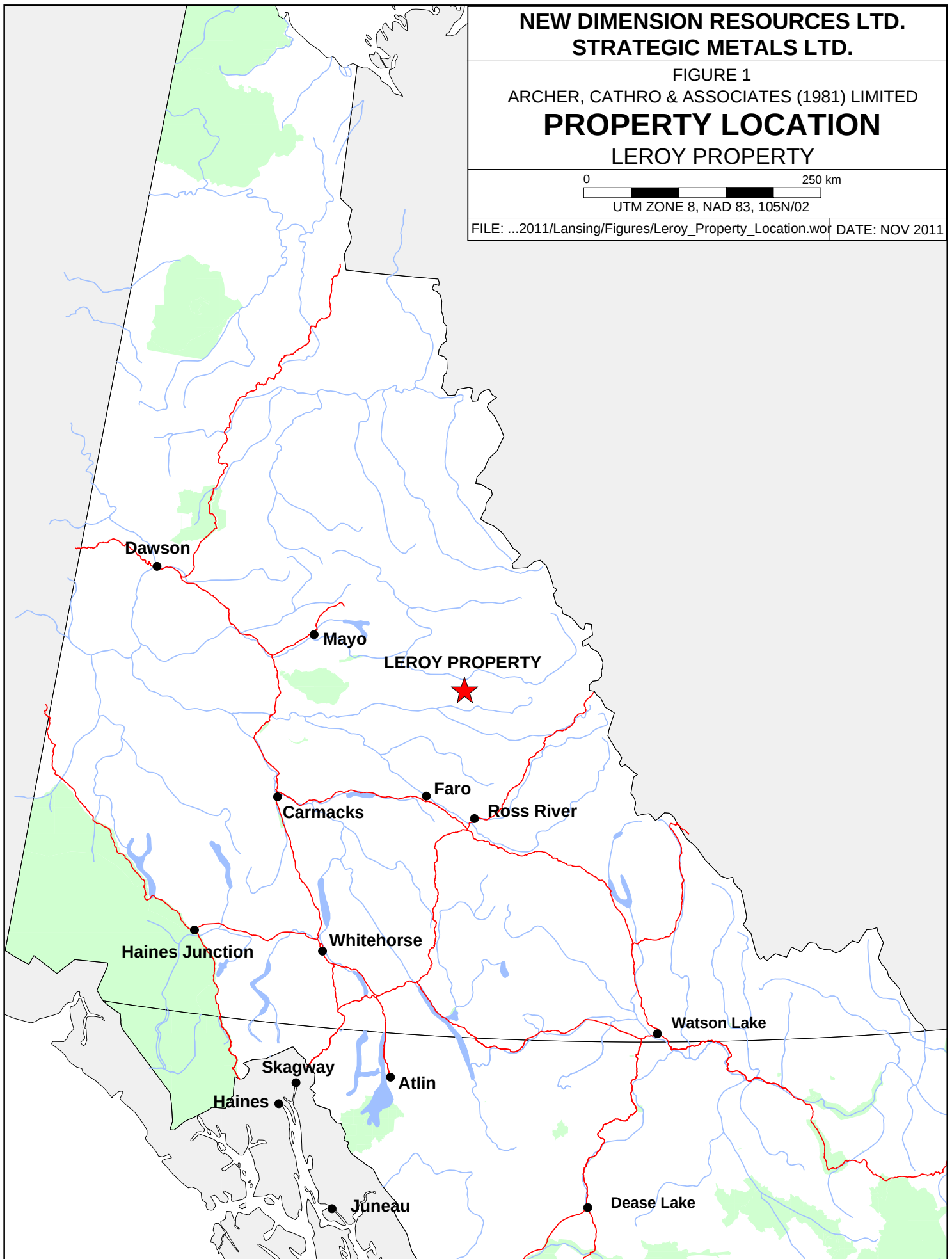
**NEW DIMENSION RESOURCES LTD.
STRATEGIC METALS LTD.**

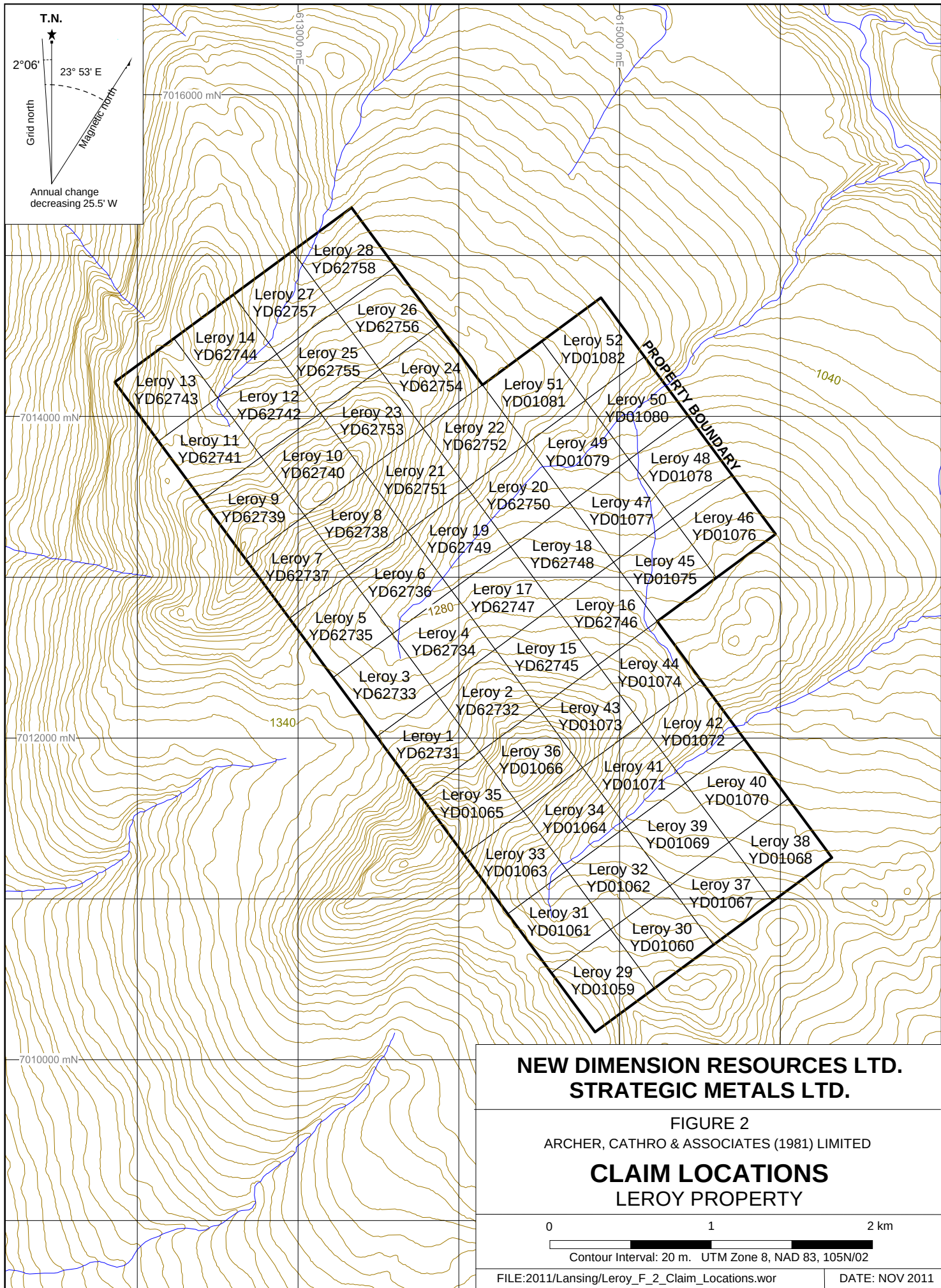
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**PROPERTY LOCATION
LEROY PROPERTY**

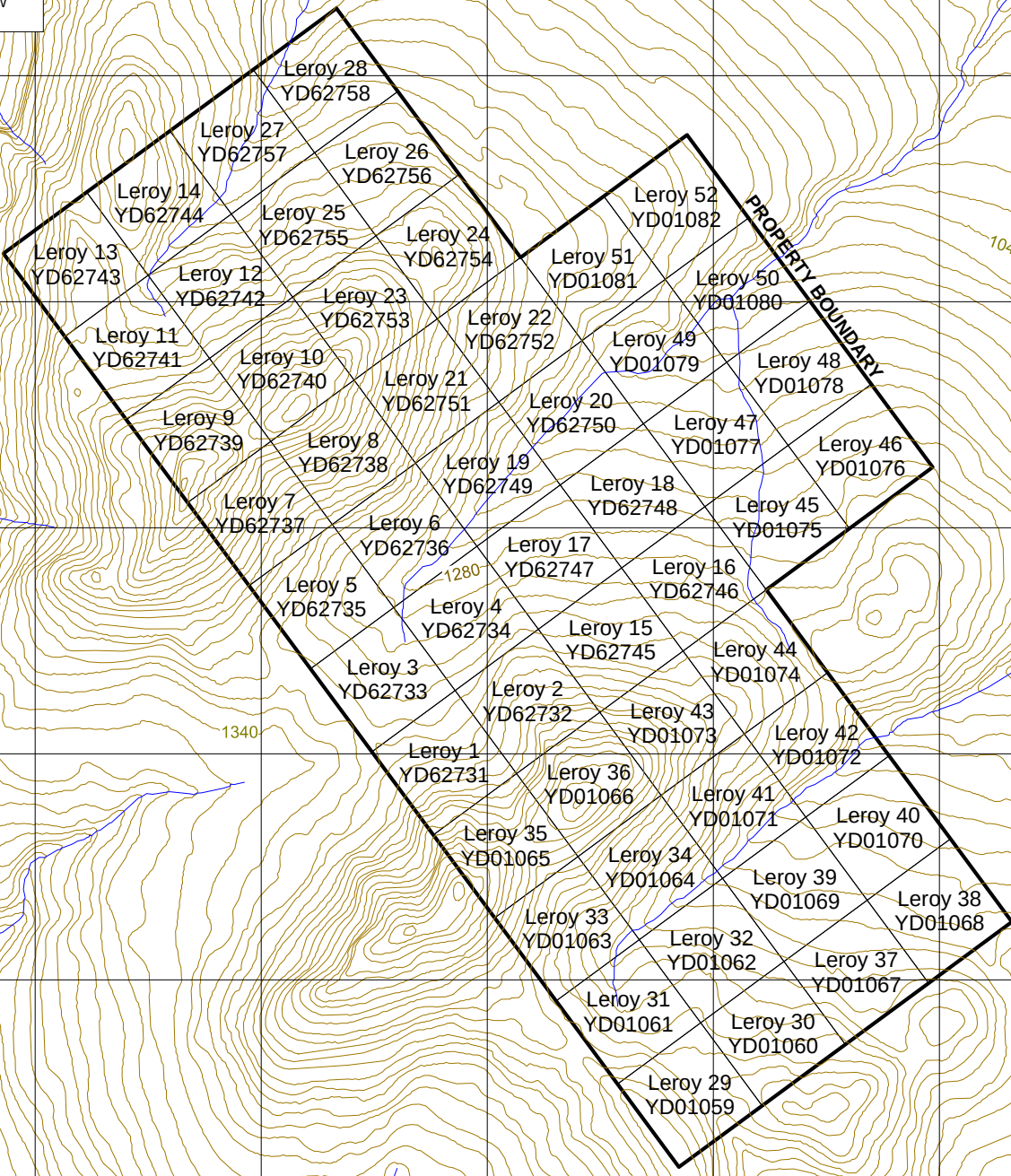
0 250 km
UTM ZONE 8, NAD 83, 105N/02

FILE: ...2011/Lansing/Figures/Leroy_Property_Location.wor DATE: NOV 2011





T.N.
2°06' 23° 53' E
Grid north
Magnetic north
Annual change decreasing 25.5' W



GEOMORPHOLOGY AND CLIMATE

The Leroy property is situated in the Hess Mountains, a subset of the Selwyn Mountains. It is drained by creeks that flow into the Hess River, which ultimately connects to the Pacific Ocean via the Stewart and Yukon rivers.

The property covers two parallel northeasterly trending ridges that are situated eight kilometres northwest of Fairweather Lake. Local elevations on the property range from about 1080 to 1760 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 northwesterly direction.

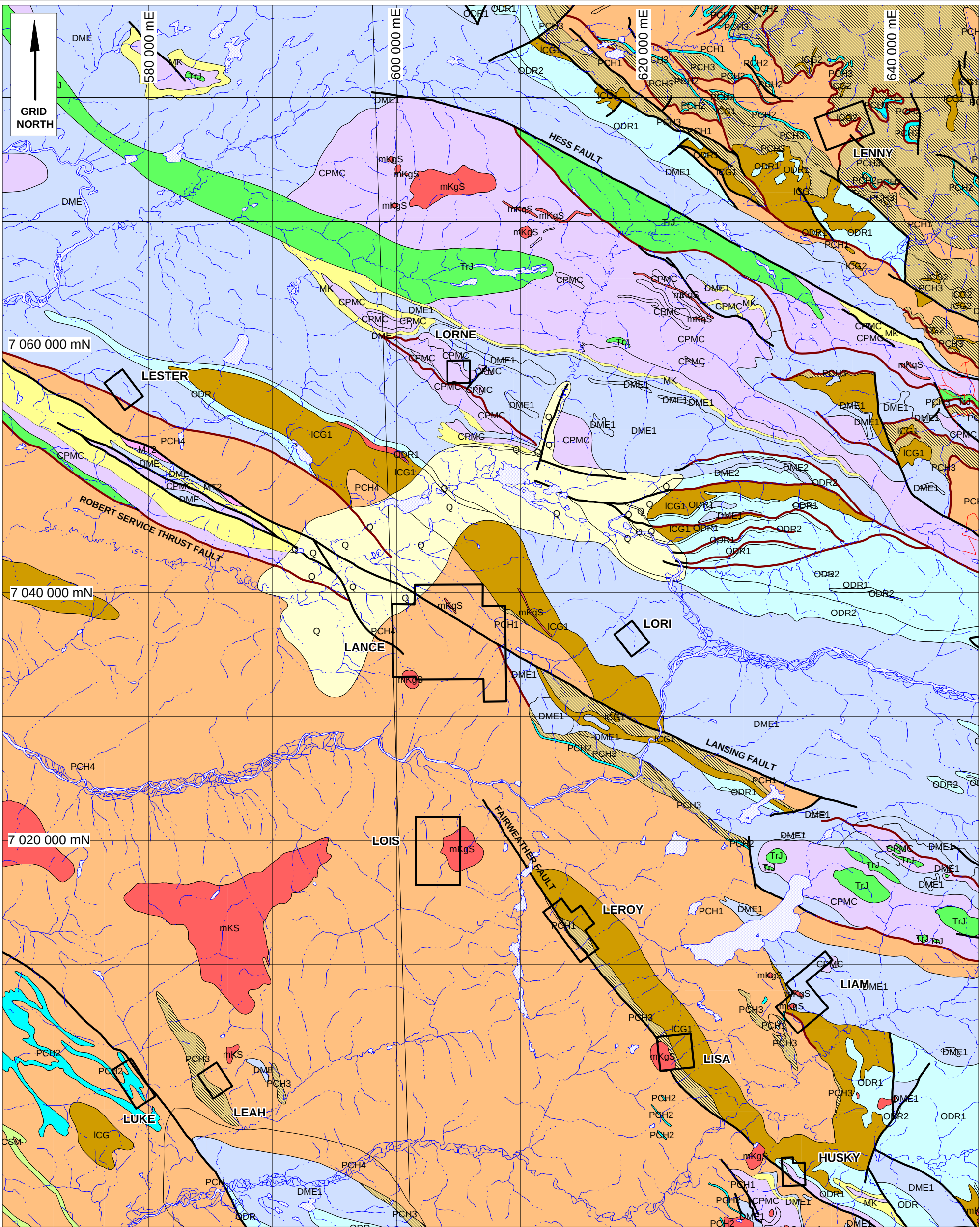
The climate in the Leroy property area is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. The property is mainly snow free from late May to late September.

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 Leroy 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 a 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.



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

NEW DIMENSION RESOURCES LTD.
STRATEGIC METALS LTD.

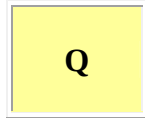
FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
REGIONAL GEOLOGY
LEROY PROPERTY

0510 km
UTM ZONE 8, NAD 83, NTS 105N

FILE: ...2011\Lansing\Figures\Geology.worDATE: NOVEMBER 2011

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 quartzarenite; thin to medium bedded quartzarenite 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-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. A high-angle, regional-scale fault (informally named the Fairweather Fault for the purposes of this report) crosses the Leroy Property (Figure 4). 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 western part of the Leroy property is underlain by Hyland Group siliciclastic rocks (PCH1), which are juxtaposed against Hyland Group maroon and green shale (PCH3) to the east along the Fairweather Fault (Figure 5). The shale (PCH3) is conformably overlain by Gull Lake Formation (ICG1) shale, siltstone and mudstone further to the east.

MINERALIZATION

New Dimension collected 3 rock samples from the northwest part of the property. Sample locations are illustrated on Figure 6, while results for arsenic, gold, antimony and copper are illustrated thematically on Figures 7 to 10, respectively. Rock Sample Descriptions are provided 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 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-TL44).

Rock samples collected on the property comprise rusty quartz vein, quartz-healed breccia with chert clasts and local vugs, and variably rusty quartz vein within phyllite. The samples returned subdued results, with peak values of 18 ppb gold and 182.5 ppm arsenic and background values for antimony, copper and other elements of interest.

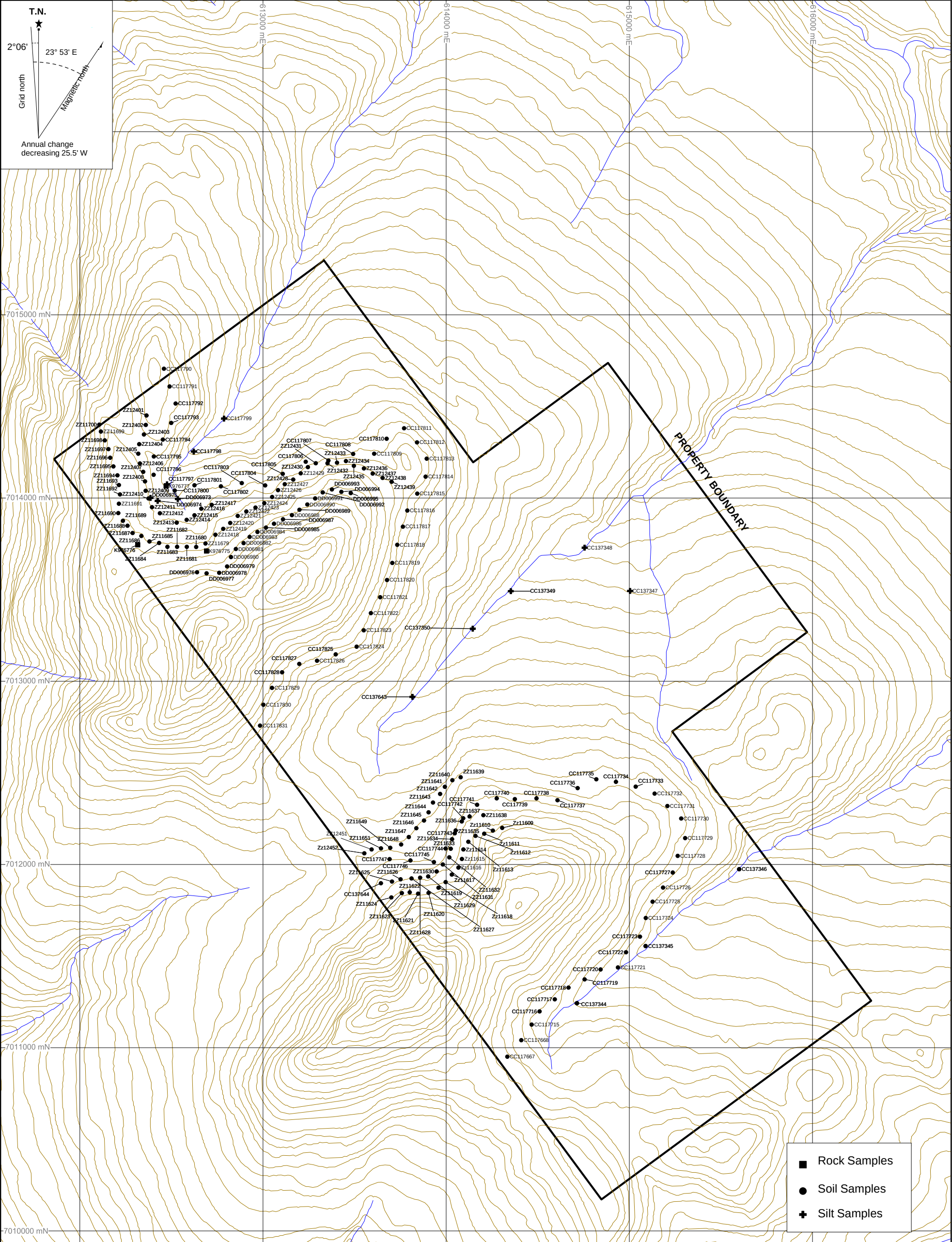
STREAM SEDIMENT AND SOIL GEOCHEMISTRY

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

In 2011, New Dimension collected 14 stream sediment samples and 200 contour soil samples from the property. Sample locations are plotted on Figure 6, while results for arsenic, gold, antimony and copper are illustrated thematically on Figures 7 to 10, respectively. Certificates of Analysis are provided in Appendix II.

Stream sediment samples were collected from creeks by hand, while soil samples were taken 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).

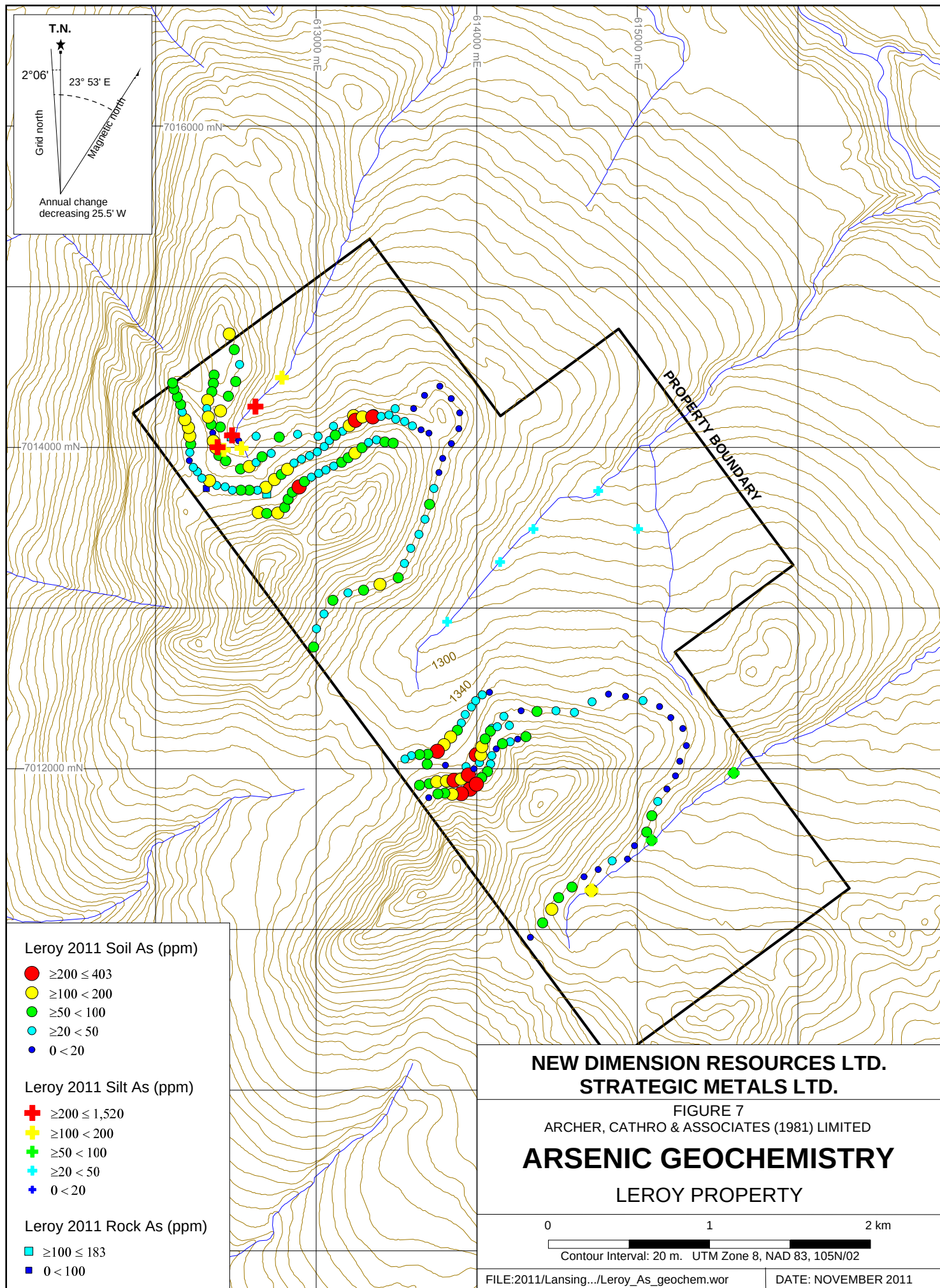
The 2011 stream sediment samples were collected from the same creeks that the GSC sampled. Samples from the northern creek were anomalous. They returned elevated gold (10 to 127 ppb)

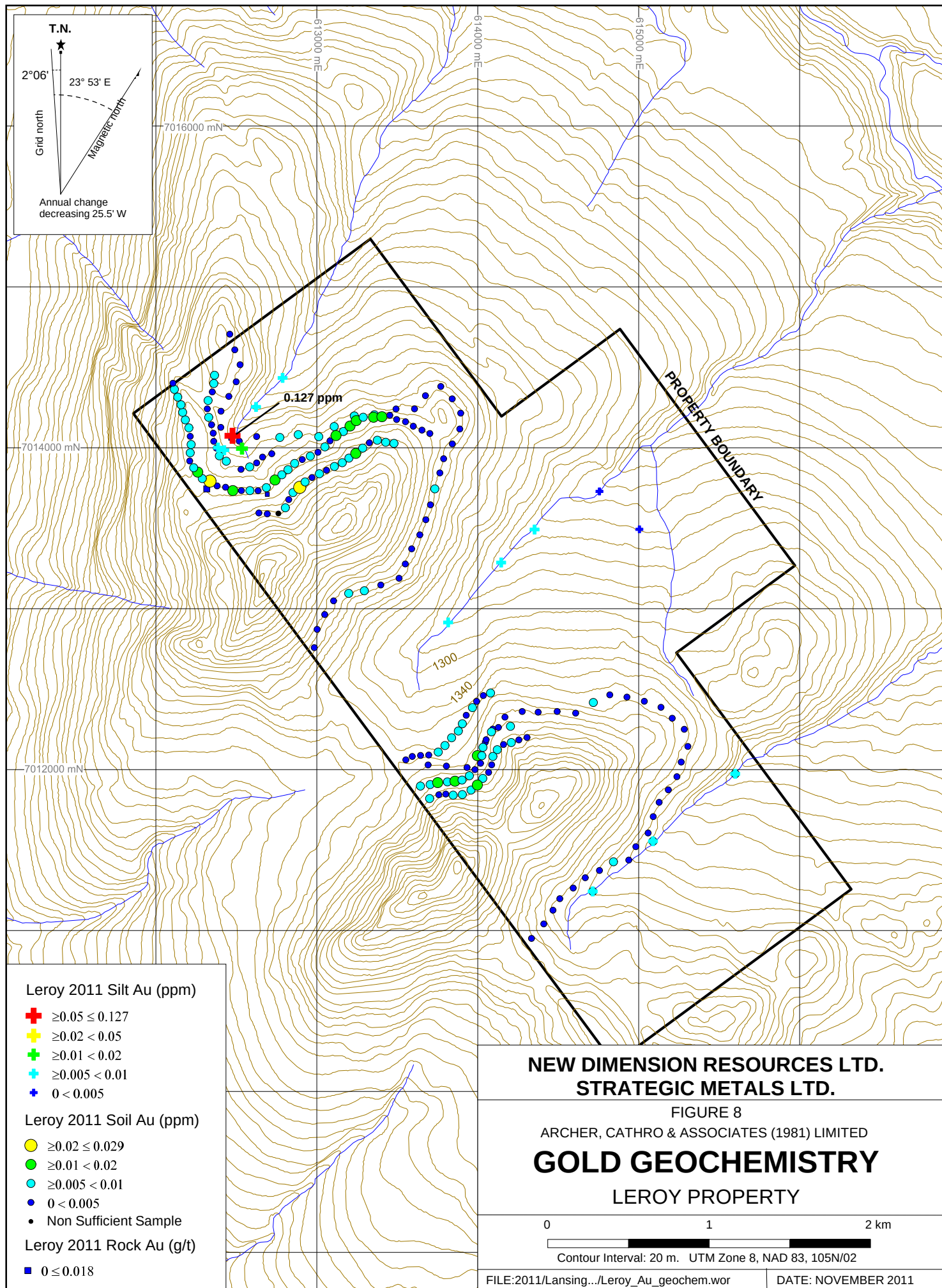


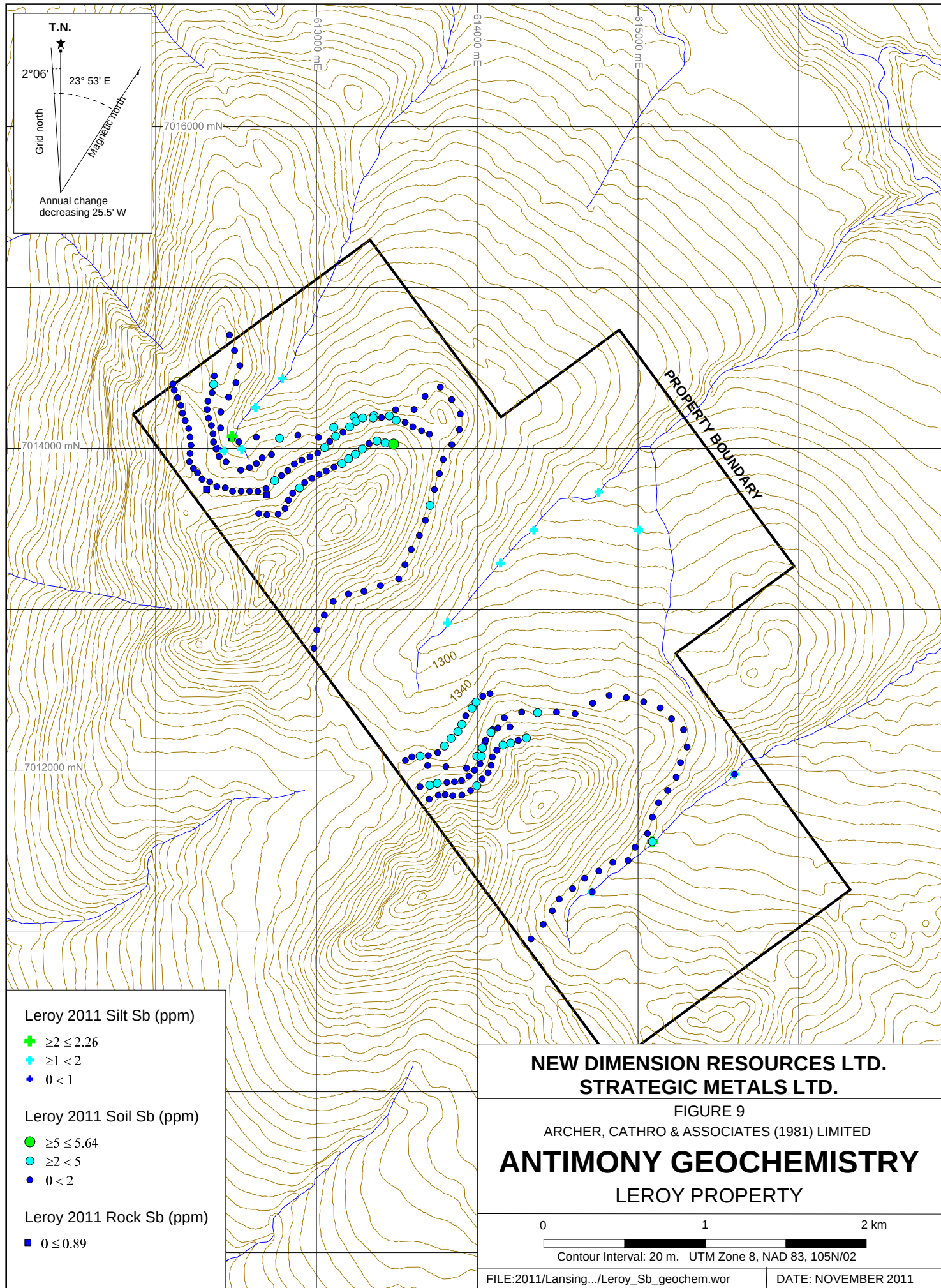
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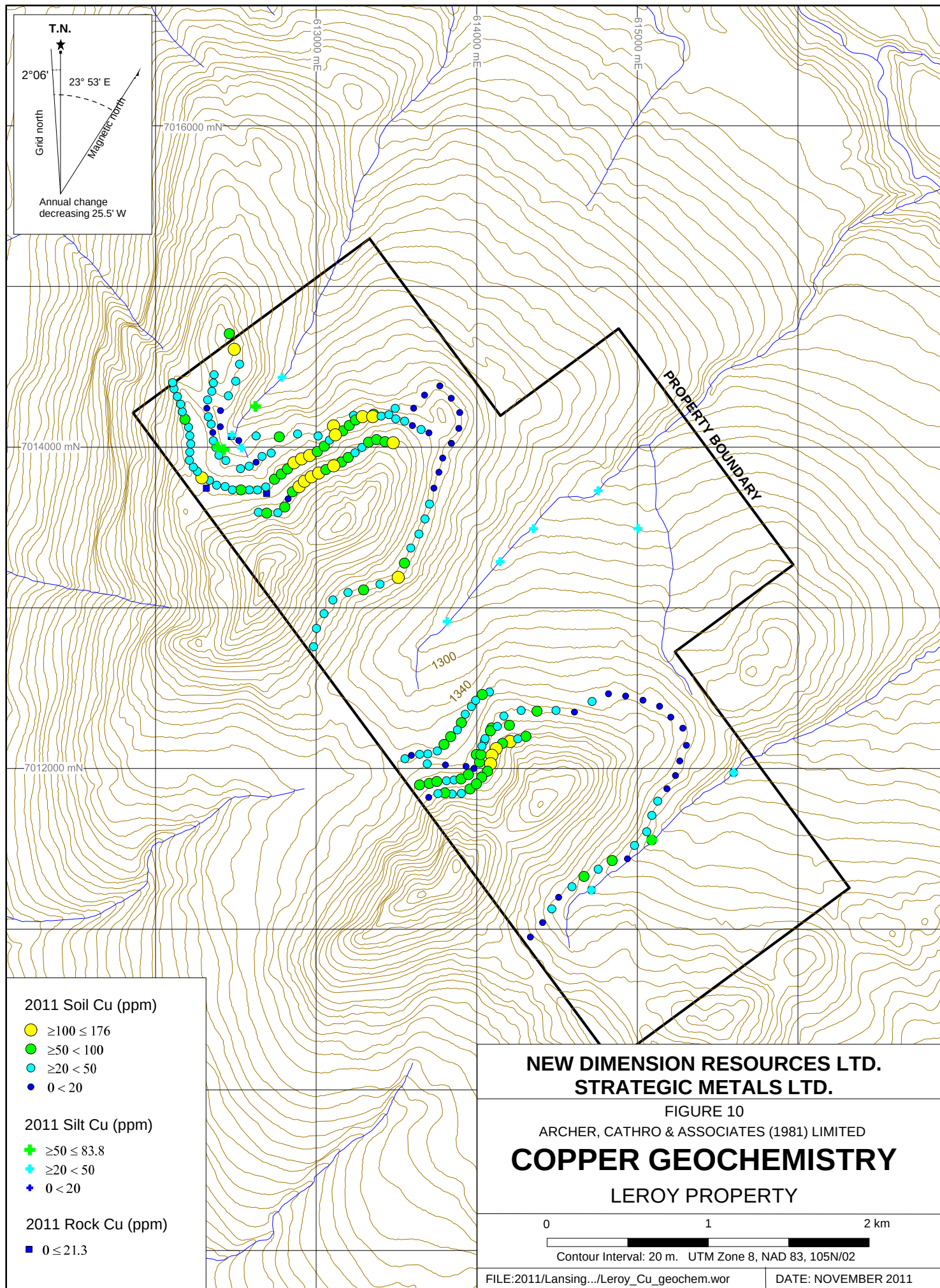
FIGURE 6
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SAMPLE LOCATIONS
LEROY PROPERTY

0 1 km
Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/02









and arsenic (131.5 to 1515 ppm) values with weak antimony (up to 2.26 ppm) and copper (50.1 to 83.8 ppm) support.

Results for samples collected from the central creek were subdued for all elements of interest.

The southern creek yielded elevated arsenic (57.9 to 120.5 ppm), copper (58.5 ppm) and background gold values.

Soil sampling identified a broad, 1500 by 1000 m area on the north face of the northern ridge that coincides with a linear northwesterly trending depression, marking the surface trace of the Fairweather Fault. Samples from this area returned numerous elevated arsenic (50 to 403 ppm) values, which are locally supported by gold (10 to 29 ppb) and copper (50 to 176 ppm) values.

A second, more concentrated (350 by 300 m) cluster of arsenic (50 to 275 ppm) values was identified on the north face of the southern ridge. This cluster also lies along the surface trace of the Fairweather Fault. Elevated copper (50 to 135 ppm) values coincide with the arsenic anomaly and extend 300 m further to the east. A few elevated gold (10 to 16 ppb) values were also obtained within this cluster.

None of the soil samples were anomalous for antimony or tin.

DISCUSSION AND CONCLUSIONS

New Dimension's exploration program was designed to test the economic potential (particularly gold) of the Leroy property. It successfully identified a drainage that yielded encouraging gold, arsenic and copper anomalies from stream sediment samples and outlined two large areas containing soil enriched in arsenic and gold, which roughly coincides with the Fairweather Fault. Very limited rock sampling yielded subdued values for all elements of interest.

The Fairweather Fault appears to have acted as a conduit for igneous melts and would have been a favourable channel for hydrothermal ore-bearing fluids. Veins and fracture networks developed within the fault system may be hidden within the linear depression beneath overburden cover.

Due to encouraging soil geochemical and stream sediment results, additional exploration is warranted on the Leroy property to better constrain the source(s) of the anomalies. Soil sampling should be focussed along the northwest-trending fault with emphasis around known geochemical anomalies. Where possible, the sampling should be done on a closely spaced (50 by 50 m) grid that is elongated parallel to the fault trace. Systematic prospecting should be carried out within the vicinity of known geochemical anomalies and along the fault trace. Particular attention should be paid to evidence of vein or fracture style mineralization, which may be best exposed on oversteepened, north facing slopes. Hand trenches should be excavated perpendicular to the fault trace, where mineralized talus was discovered, and beneath the elevated soil geochemical sites.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Andrew Mitchell, B.Sc.

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- 2003 Bedrock geology of Lansing Range map area (NTS 105N), central Yukon, 1:250000 scale; Yukon Geological Survey Geoscience Map 2003-1 or Geological Survey of Canada Open File 1616.

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>Leroy</u>	NAD83	Zone8
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K976775	UTM:	612692 E	UTM:	7013711 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Weakly rusty weathering and pervasively rusty quartz vein with small black portions. Quartz crystals in open spaces, also bladed crystals(?) along one face. 1 cobble in talus.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K976776	UTM:	612316 E	UTM:	7013745 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: 30 to 60 cm wide, weakly rusty weathering quartz vein within phyllite on north side of small canyon with grassy bottom. Quartz is weakly pervasively rusty, locally contains dark green, soft chlorite. Sometimes has clasts of phyllite. 6 piece composite chip sample across 60 cm. Vein is bedding parallel. Bedding (cleavage) within canyon is weakly to moderately folded. Additional narrower quartz veins are present.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K976777	UTM:	612471 E	UTM:	7014066 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: In dry (central) creekbed, 1 cobble of brown-grey-rusty weathering, partially pervasively rusty, white to grey quartz-healed breccia with black chert clasts. Locally vuggy with small rusty-stained quartz crystal lining. Minor phyllite fragments.						

APPENDIX III
CERTIFICATES OF ANALYSIS



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

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

Page: 1
Finalized Date: 14- JUL- 2011
Account: F

CERTIFICATE WH11115311

Project: Lansing - Leroy

P.O. No.:

This report is for 86 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	

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Plus Appendix Pages
Finalized Date: 14- JUL- 2011
Account: F

Project: Lansing - Leroy

CERTIFICATE OF ANALYSIS WH11115311

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
CC117667		0.16	0.001	0.11	0.69	8.3	<0.2	<10	40	0.28	0.10	0.14	0.13	8.83	13.3	4
CC117668		0.14	<0.001	0.21	0.91	88.4	<0.2	<10	110	0.30	0.26	0.11	0.11	10.70	29.7	12
CC117715		0.12	0.001	0.45	1.10	192.0	<0.2	<10	140	0.33	0.22	0.22	0.26	10.70	9.8	11
CC117716		0.16	<0.001	0.07	1.16	64.5	<0.2	<10	270	0.42	0.37	0.17	0.15	26.1	9.8	18
CC117717		0.12	0.003	0.19	1.46	77.4	<0.2	<10	160	0.38	0.37	0.32	0.20	29.5	12.1	23
CC117718		0.20	0.001	0.07	2.29	16.8	<0.2	<10	110	0.39	0.19	0.09	0.23	14.75	19.5	58
CC117719		0.10	0.001	0.39	0.84	5.8	<0.2	<10	120	0.18	0.09	0.27	0.64	9.52	15.6	21
CC117720		0.10	0.005	0.26	1.62	45.8	<0.2	<10	320	0.48	0.34	0.61	0.29	26.5	18.8	22
CC117721		0.06	<0.001	0.49	0.31	1.7	<0.2	<10	40	0.07	0.05	0.28	0.17	3.80	5.7	4
CC117722		0.12	0.001	0.45	0.57	7.6	<0.2	<10	90	0.18	0.12	0.26	0.07	7.02	3.3	6
CC117723		0.08	0.004	0.17	0.67	52.1	<0.2	<10	60	0.20	0.13	0.05	0.11	5.96	3.9	9
CC117724		0.18	0.004	0.44	1.26	55.5	<0.2	<10	160	0.33	0.28	0.16	0.33	20.7	9.2	19
CC117725		0.10	0.002	0.10	0.78	21.3	<0.2	<10	180	0.35	0.32	0.19	0.57	20.1	7.5	12
CC117726		0.10	<0.001	0.05	0.69	4.8	<0.2	<10	130	0.18	0.15	0.21	0.06	14.05	2.0	7
CC117727		0.14	<0.001	0.03	0.13	0.5	<0.2	<10	20	<0.05	0.03	0.03	0.05	2.03	0.9	2
CC117728		0.14	0.002	0.10	0.56	4.7	<0.2	<10	40	0.16	0.14	0.04	0.07	8.27	2.0	5
CC117729		0.10	0.001	0.05	0.99	11.9	<0.2	<10	70	0.16	0.39	0.04	0.08	30.2	4.5	13
CC117730		0.20	<0.001	0.03	0.32	0.8	<0.2	<10	20	0.06	0.06	0.02	0.01	6.62	0.8	3
CC117731		0.20	<0.001	0.04	1.10	6.2	<0.2	<10	60	0.20	0.28	0.02	0.03	29.9	2.1	10
CC117732		0.16	0.001	0.01	0.88	3.4	<0.2	<10	60	0.07	0.34	0.03	0.02	27.8	0.8	9
CC117733		0.16	0.001	0.06	1.19	21.9	<0.2	<10	60	0.21	0.54	0.03	0.08	29.6	6.0	19
CC117734		0.14	<0.001	0.04	0.14	0.7	<0.2	<10	10	<0.05	0.03	0.03	0.01	3.03	1.0	2
CC117735		0.20	<0.001	0.02	0.94	18.9	<0.2	<10	40	0.13	0.46	0.03	0.06	31.8	4.3	13
CC117736		0.22	0.006	0.26	1.86	25.2	<0.2	<10	410	0.72	0.33	0.36	0.17	27.3	12.4	20
CC117737		0.10	0.001	0.07	0.50	20.9	<0.2	<10	100	0.14	0.12	0.12	0.14	11.05	3.0	8
CC117738		0.08	0.002	0.27	0.96	20.5	<0.2	<10	190	0.29	0.21	0.26	0.26	11.40	8.4	13
CC117739		0.16	0.004	0.09	1.89	66.8	<0.2	<10	210	0.49	0.43	0.13	0.16	28.3	17.9	26
CC117740		0.16	0.003	0.16	0.94	19.2	<0.2	<10	90	0.19	0.26	0.05	0.08	23.6	5.3	13
CC117741		0.08	0.004	0.21	0.99	26.6	<0.2	<10	80	0.22	0.23	0.10	0.19	22.6	6.7	15
CC117742		0.10	0.003	0.14	1.29	25.6	<0.2	<10	160	0.34	0.16	1.40	0.60	12.40	8.6	32
CC117743		0.12	0.002	0.28	0.82	25.5	<0.2	<10	80	0.14	0.13	0.09	0.15	8.80	4.3	16
CC117744		0.20	0.011	0.38	1.82	231	<0.2	<10	200	0.54	0.37	0.36	0.29	29.7	23.8	35
CC117745		0.14	0.001	0.07	1.02	45.3	<0.2	<10	40	0.12	0.23	0.06	0.08	23.3	7.7	21
CC117746		0.16	<0.001	0.11	0.23	10.3	<0.2	<10	20	<0.05	0.04	0.03	0.02	2.34	1.1	4
CC117747		0.18	0.003	0.10	1.43	61.1	<0.2	<10	60	0.20	0.27	0.05	0.10	33.4	9.0	27
CC117790		0.30	0.004	0.12	2.34	106.0	<0.2	<10	70	0.31	0.25	0.07	0.29	17.30	26.1	111
CC117791		0.24	0.004	0.15	2.54	87.7	<0.2	<10	130	0.55	0.32	0.10	0.23	34.9	37.4	120
CC117792		0.28	0.002	0.09	1.63	42.8	<0.2	<10	150	0.24	0.33	0.08	0.26	25.4	27.9	54
CC117793		0.22	0.002	0.13	1.32	52.3	<0.2	<10	120	0.31	0.31	0.07	0.27	23.0	14.9	43
CC117794		0.20	0.002	0.20	1.30	59.1	<0.2	<10	260	0.36	0.32	0.08	0.37	27.3	14.2	25



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Account: F

Project: Lansing - Leroy

CERTIFICATE OF ANALYSIS WH11115311

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
CC117667		0.59	12.4	0.76	2.52	<0.05	<0.02	<0.01	0.009	0.02	4.7	2.4	0.05	251	0.45
CC117668		1.52	19.5	1.87	3.37	<0.05	<0.02	0.01	0.017	0.05	5.4	13.6	0.19	782	1.14
CC117715		1.11	20.4	1.71	3.34	<0.05	<0.02	0.02	0.012	0.04	6.4	11.7	0.18	615	1.36
CC117716		1.47	19.3	2.71	5.37	<0.05	<0.02	0.01	0.018	0.07	11.8	9.4	0.21	741	1.83
CC117717		1.09	35.7	3.58	4.58	<0.05	<0.02	0.02	0.019	0.08	14.7	18.8	0.51	454	1.26
CC117718		1.58	72.7	5.38	6.78	<0.05	<0.02	0.01	0.019	0.12	7.4	22.5	1.14	558	1.04
CC117719		0.75	29.7	1.38	2.52	<0.05	<0.02	0.01	0.009	0.04	4.7	4.7	0.21	1160	0.91
CC117720		1.46	51.4	3.62	4.45	<0.05	<0.02	0.04	0.027	0.08	11.2	20.7	0.49	920	1.65
CC117721		0.22	8.6	0.44	1.12	<0.05	<0.02	0.02	0.006	0.03	2.2	1.1	0.03	294	0.33
CC117722		0.57	21.0	1.16	1.75	<0.05	<0.02	0.02	0.006	0.04	3.7	4.7	0.10	96	0.50
CC117723		0.56	26.6	1.65	2.04	<0.05	<0.02	0.02	0.013	0.04	2.9	5.9	0.11	97	0.52
CC117724		1.32	39.1	2.74	4.71	<0.05	<0.02	0.04	0.024	0.07	9.3	16.6	0.31	409	1.48
CC117725		1.70	21.9	2.50	4.50	<0.05	<0.02	0.02	0.015	0.06	9.8	9.4	0.13	286	1.66
CC117726		1.09	7.8	1.02	3.26	<0.05	<0.02	0.02	0.007	0.03	7.1	6.1	0.09	118	0.68
CC117727		0.19	1.5	0.35	0.74	<0.05	<0.02	<0.01	<0.005	0.02	1.2	0.6	0.02	16	0.15
CC117728		0.57	8.1	1.08	2.80	<0.05	<0.02	<0.01	0.005	0.02	4.6	3.4	0.04	156	0.53
CC117729		1.56	10.6	2.41	6.22	<0.05	<0.02	0.01	0.014	0.04	16.0	12.1	0.18	408	1.48
CC117730		0.46	3.5	0.37	2.29	<0.05	<0.02	0.01	<0.005	0.02	3.5	0.5	0.02	15	0.36
CC117731		1.31	4.1	1.82	6.09	<0.05	<0.02	<0.01	0.014	0.04	16.3	3.1	0.05	236	0.81
CC117732		1.05	3.7	0.52	7.43	<0.05	<0.02	0.02	0.006	0.02	13.1	2.3	0.06	26	0.92
CC117733		1.62	14.9	5.05	8.47	<0.05	<0.02	0.01	0.024	0.05	13.6	9.2	0.19	302	1.83
CC117734		0.17	2.5	0.46	1.09	<0.05	<0.02	<0.01	<0.005	0.02	1.6	0.4	0.02	23	0.19
CC117735		1.52	13.6	3.47	7.65	<0.05	<0.02	0.02	0.013	0.04	16.6	6.3	0.15	195	1.38
CC117736		1.92	41.4	3.52	4.89	<0.05	0.11	0.03	0.026	0.11	13.3	29.8	0.45	610	1.36
CC117737		0.67	11.6	0.98	2.83	<0.05	<0.02	<0.01	0.010	0.04	5.9	2.7	0.08	108	0.67
CC117738		0.97	21.0	1.89	3.65	<0.05	<0.02	0.02	0.012	0.07	6.2	8.9	0.20	548	0.89
CC117739		1.89	61.5	4.21	5.80	<0.05	0.02	0.02	0.033	0.09	13.0	24.2	0.60	529	1.48
CC117740		1.09	22.0	1.99	4.16	<0.05	<0.02	0.01	0.013	0.05	11.2	11.1	0.25	117	0.86
CC117741		0.80	30.5	2.34	3.83	<0.05	<0.02	0.02	0.015	0.06	10.8	10.8	0.36	137	1.01
CC117742		0.92	62.7	1.94	3.44	<0.05	0.06	0.05	0.017	0.06	8.8	10.4	0.46	361	0.84
CC117743		0.83	21.3	1.51	3.48	<0.05	<0.02	0.01	0.012	0.06	4.7	6.5	0.27	78	0.58
CC117744		1.35	94.7	4.36	5.18	0.12	0.04	0.05	0.029	0.11	19.9	23.1	0.67	835	1.68
CC117745		0.65	19.6	2.42	3.92	0.09	<0.02	0.01	0.009	0.05	11.8	11.0	0.47	200	0.66
CC117746		0.23	3.1	0.38	1.06	0.07	<0.02	0.01	<0.005	0.02	1.2	1.0	0.04	27	0.31
CC117747		0.91	30.3	3.20	4.76	0.10	<0.02	0.02	0.015	0.06	16.9	18.0	0.62	228	1.00
CC117790		0.96	74.8	6.20	7.56	0.10	<0.02	0.02	0.028	0.06	8.0	25.6	1.39	792	1.18
CC117791		1.16	108.5	5.69	7.62	0.11	0.02	0.02	0.041	0.07	16.0	30.2	1.46	746	1.22
CC117792		1.00	37.7	4.46	6.51	0.11	<0.02	0.02	0.022	0.07	12.7	15.5	0.80	1320	1.53
CC117793		1.00	36.7	3.55	5.69	0.10	<0.02	0.02	0.023	0.06	11.9	13.8	0.57	759	1.46
CC117794		0.81	25.5	3.51	4.63	0.09	<0.02	0.03	0.022	0.08	13.6	18.1	0.42	828	1.39



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CERTIFICATE OF ANALYSIS WH11115311

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
CC117667		0.15	8.2	910	7.8	5.3	<0.001	0.07	0.18	0.1	0.3	0.2	8.8	<0.01	0.02
CC117668		0.15	14.9	990	15.9	11.5	<0.001	0.10	0.47	0.2	0.4	0.3	8.8	<0.01	0.02
CC117715		0.13	12.9	2260	12.9	10.5	<0.001	0.16	0.29	0.2	0.4	0.2	16.1	<0.01	0.02
CC117716		0.36	14.4	810	22.9	19.9	<0.001	0.06	0.90	0.5	0.4	0.5	19.4	<0.01	0.05
CC117717		0.29	26.8	610	20.4	9.7	<0.001	0.04	1.14	0.8	0.4	0.3	24.3	<0.01	0.08
CC117718		0.89	40.3	410	9.0	13.8	0.001	0.04	0.77	2.2	0.3	0.4	5.0	<0.01	0.05
CC117719		0.13	14.7	1020	5.3	7.3	<0.001	0.09	0.41	0.2	<0.2	0.2	11.2	<0.01	0.02
CC117720		0.55	32.8	790	19.3	10.7	<0.001	0.06	1.73	2.4	0.8	0.3	29.9	<0.01	0.11
CC117721		0.15	3.6	720	2.4	2.0	<0.001	0.06	0.14	0.1	0.3	<0.2	17.9	<0.01	<0.01
CC117722		0.31	8.2	410	5.5	5.3	<0.001	0.04	0.42	0.5	0.4	0.2	16.2	<0.01	0.04
CC117723		0.30	10.7	310	6.9	4.2	<0.001	0.03	1.86	0.9	0.3	0.2	5.3	<0.01	0.03
CC117724		0.52	21.4	630	17.4	9.8	<0.001	0.05	1.74	1.5	0.4	0.4	11.3	<0.01	0.05
CC117725		0.61	13.8	410	19.3	12.2	<0.001	0.04	1.72	0.9	0.2	0.5	19.4	<0.01	0.06
CC117726		0.47	4.7	260	8.4	6.5	<0.001	0.03	0.36	0.6	<0.2	0.3	16.4	<0.01	0.04
CC117727		0.08	1.3	160	1.6	1.0	<0.001	0.02	0.06	0.1	0.4	<0.2	6.0	<0.01	<0.01
CC117728		0.29	3.6	360	7.8	2.7	<0.001	0.03	0.25	0.3	0.3	0.3	6.8	<0.01	0.03
CC117729		1.08	9.7	250	20.2	10.7	<0.001	0.02	0.57	1.3	<0.2	0.6	5.2	<0.01	0.03
CC117730		0.24	1.4	140	4.7	2.3	<0.001	0.02	0.12	0.2	0.2	0.3	4.1	<0.01	0.02
CC117731		0.83	3.3	180	13.5	8.0	<0.001	0.02	0.84	1.1	<0.2	0.8	2.9	<0.01	0.02
CC117732		0.75	2.4	150	13.4	5.1	<0.001	0.02	0.29	0.6	0.2	1.0	5.1	<0.01	0.03
CC117733		2.07	13.4	430	23.0	10.1	<0.001	0.03	1.32	1.6	0.4	0.8	4.4	<0.01	0.06
CC117734		0.07	1.4	200	2.1	1.2	<0.001	0.02	0.08	0.1	<0.2	<0.2	5.1	<0.01	0.01
CC117735		0.68	11.1	800	11.9	9.2	<0.001	0.04	1.02	0.7	0.4	0.5	4.2	<0.01	0.07
CC117736		0.33	29.4	880	17.3	11.8	<0.001	0.06	1.87	2.6	0.5	0.4	23.6	<0.01	0.07
CC117737		0.18	6.4	550	4.2	5.1	<0.001	0.05	0.89	0.2	0.2	0.3	11.7	<0.01	0.03
CC117738		0.27	12.9	1170	12.1	8.6	<0.001	0.10	1.35	0.4	0.5	0.3	17.2	<0.01	0.02
CC117739		0.52	32.3	840	20.9	14.7	<0.001	0.06	2.31	2.4	0.4	0.4	11.5	<0.01	0.14
CC117740		0.21	13.3	480	9.6	6.9	<0.001	0.04	1.05	0.5	0.2	0.3	6.3	<0.01	0.04
CC117741		0.29	17.8	590	7.5	6.9	<0.001	0.05	1.32	1.1	0.4	0.2	8.1	<0.01	0.11
CC117742		0.49	27.5	1090	7.1	8.9	<0.001	0.13	1.18	1.5	1.0	0.2	37.7	<0.01	0.08
CC117743		0.23	13.1	640	5.2	7.4	<0.001	0.05	0.84	0.4	<0.2	0.3	6.4	<0.01	0.04
CC117744		0.29	41.7	920	36.0	11.7	<0.001	0.06	2.72	4.8	1.1	0.3	18.0	<0.01	0.09
CC117745		0.11	18.0	670	10.7	6.0	<0.001	0.05	0.81	0.6	0.4	0.2	7.1	<0.01	0.03
CC117746		0.06	2.6	330	2.3	2.4	<0.001	0.04	0.13	0.2	0.3	<0.2	5.1	<0.01	<0.01
CC117747		0.31	22.9	410	15.9	8.0	<0.001	0.04	1.39	1.5	0.6	0.3	6.2	<0.01	0.04
CC117790		0.64	60.4	610	14.3	9.6	<0.001	0.05	1.32	4.1	0.4	0.3	4.3	<0.01	0.06
CC117791		0.67	103.5	470	17.3	11.1	<0.001	0.03	1.43	7.2	0.9	0.4	7.9	<0.01	0.07
CC117792		0.66	30.2	550	10.7	14.9	<0.001	0.04	0.90	2.4	0.5	0.4	5.8	<0.01	0.08
CC117793		0.41	28.3	520	13.1	17.3	<0.001	0.05	1.04	1.5	0.6	0.4	7.6	<0.01	0.06
CC117794		0.51	20.9	520	21.4	11.4	<0.001	0.04	1.05	1.8	0.4	0.4	8.0	<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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LIMITED
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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
CC117667		0.011	0.04	1.39	14	0.06	4.03	16	<0.5
CC117668		0.010	0.13	2.01	25	0.12	3.41	49	<0.5
CC117715		0.007	0.11	3.86	20	0.11	7.28	43	<0.5
CC117716		0.016	0.18	0.84	48	0.16	2.85	55	<0.5
CC117717		0.019	0.11	0.92	35	0.11	3.70	77	<0.5
CC117718		0.149	0.12	0.43	88	0.18	2.59	74	<0.5
CC117719		0.010	0.10	0.57	22	0.10	3.03	28	<0.5
CC117720		0.014	0.15	0.84	37	0.18	6.28	83	<0.5
CC117721		0.008	0.04	0.45	9	<0.05	1.67	8	<0.5
CC117722		0.016	0.05	0.45	16	0.06	2.06	20	<0.5
CC117723		0.019	0.05	0.34	20	0.06	1.77	28	<0.5
CC117724		0.015	0.12	0.89	41	0.20	3.69	72	<0.5
CC117725		0.021	0.07	0.84	36	0.17	2.78	82	<0.5
CC117726		0.017	0.08	0.54	22	0.16	1.59	24	<0.5
CC117727		0.013	<0.02	0.31	11	<0.05	0.31	5	<0.5
CC117728		0.016	0.04	0.57	19	0.10	2.21	17	<0.5
CC117729		0.032	0.12	0.69	46	0.28	2.33	44	0.5
CC117730		0.017	0.04	0.18	15	0.08	0.48	5	<0.5
CC117731		0.020	0.17	0.32	44	0.18	1.21	24	<0.5
CC117732		0.032	0.14	0.45	36	0.19	1.40	11	<0.5
CC117733		0.063	0.13	0.68	66	0.35	1.93	46	0.7
CC117734		0.013	<0.02	0.12	15	<0.05	0.22	6	<0.5
CC117735		0.028	0.11	0.52	59	0.24	1.74	42	<0.5
CC117736		0.008	0.12	1.68	32	0.19	6.87	105	3.5
CC117737		0.009	0.06	0.34	22	0.11	1.52	22	<0.5
CC117738		0.011	0.10	0.64	26	0.13	2.91	36	<0.5
CC117739		0.015	0.16	0.90	48	0.20	5.13	84	0.5
CC117740		0.011	0.08	0.45	29	0.11	1.71	43	<0.5
CC117741		0.012	0.07	0.58	28	0.10	2.30	45	<0.5
CC117742		0.014	0.08	0.62	24	0.07	5.17	70	2.0
CC117743		0.010	0.08	0.43	27	0.09	1.25	30	<0.5
CC117744		0.014	0.11	2.65	46	0.12	16.95	96	1.1
CC117745		0.011	0.06	0.35	27	0.05	2.00	43	<0.5
CC117746		0.009	0.02	0.30	9	<0.05	0.48	7	<0.5
CC117747		0.023	0.08	0.75	37	0.14	2.76	61	<0.5
CC117790		0.100	0.06	0.41	96	0.13	3.26	75	<0.5
CC117791		0.038	0.10	0.69	78	0.16	7.23	85	0.5
CC117792		0.056	0.07	0.43	76	0.20	3.24	68	<0.5
CC117793		0.042	0.07	0.72	54	0.22	3.16	62	<0.5
CC117794		0.021	0.07	0.60	41	0.16	3.11	79	<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
CC117795		0.28	0.001	0.15	1.44	111.0	<0.2	<10	190	0.24	0.39	0.03	0.16	43.4	8.5	21
CC117796		0.20	0.002	0.12	1.06	55.4	<0.2	<10	180	0.21	0.35	0.07	0.10	29.3	5.3	17
CC117797		0.32	0.127	1.92	1.79	1515	<0.2	<10	170	0.56	6.73	0.20	0.75	44.2	49.1	36
CC117798		0.26	0.008	0.38	1.62	227	<0.2	<10	230	0.56	0.39	0.54	0.71	28.2	23.2	25
CC117799		0.28	0.005	0.22	1.43	131.5	<0.2	<10	140	0.32	0.31	0.36	0.17	26.7	11.8	27
CC117800		0.22	0.002	0.03	0.74	17.1	<0.2	<10	50	0.06	0.20	0.02	0.03	42.8	1.3	8
CC117801		0.20	0.002	0.05	1.41	39.4	<0.2	<10	120	0.26	0.23	0.13	0.10	26.3	10.8	32
CC117802		0.26	0.005	0.05	1.50	80.3	<0.2	<10	80	0.31	0.29	0.17	0.29	30.2	29.6	41
CC117803		0.14	0.007	0.03	1.40	34.0	<0.2	<10	50	0.21	0.35	0.05	0.11	27.8	11.5	23
CC117804		0.28	0.005	0.08	1.12	25.6	<0.2	<10	70	0.20	0.26	0.10	0.14	18.55	13.7	17
CC117805		0.32	0.008	0.11	1.68	45.4	<0.2	<10	110	0.39	0.58	0.14	0.28	30.1	23.5	23
CC117806		0.24	0.006	0.14	1.16	176.0	<0.2	<10	140	0.33	0.33	0.20	0.14	21.1	14.3	20
CC117807		0.28	0.006	0.12	1.46	60.2	<0.2	<10	100	0.37	0.30	0.15	0.17	26.2	21.4	23
CC117808		0.30	0.003	0.05	1.82	23.2	<0.2	<10	280	0.60	0.33	0.28	0.08	29.6	10.5	28
CC117809		0.16	0.001	0.08	0.82	12.7	<0.2	<10	60	0.24	0.27	0.07	0.10	18.30	3.9	15
CC117810		0.18	0.001	0.23	1.26	11.6	<0.2	<10	160	0.27	0.29	0.05	0.11	25.5	6.0	15
CC117811		0.18	<0.001	0.02	0.30	2.1	<0.2	<10	20	<0.05	0.06	0.02	0.02	7.14	0.9	3
CC117812		0.30	0.001	0.02	1.05	13.5	<0.2	<10	40	0.11	0.30	0.04	0.04	35.0	6.0	15
CC117813		0.18	<0.001	0.05	0.72	8.1	<0.2	<10	50	0.11	0.18	0.03	0.05	23.3	6.1	10
CC117814		0.22	0.003	0.14	1.05	5.9	<0.2	<10	110	0.38	0.19	0.87	0.18	17.35	8.0	10
CC117815		0.28	<0.001	0.10	1.25	16.0	<0.2	<10	130	0.43	0.32	0.11	0.19	26.9	8.7	17
CC117816		0.20	0.002	0.11	1.32	18.8	<0.2	<10	140	0.45	0.33	0.05	0.28	26.4	9.7	20
CC117817		0.22	0.002	0.16	0.98	10.1	<0.2	<10	130	0.29	0.20	0.15	0.07	17.20	6.0	11
CC117818		0.16	0.006	0.15	1.30	21.3	<0.2	<10	110	0.30	0.31	0.05	0.26	22.8	7.7	20
CC117819		0.24	0.004	0.14	1.17	58.3	<0.2	<10	140	0.28	0.30	0.07	0.20	22.7	11.6	20
CC117820		0.24	0.001	0.09	1.10	34.8	<0.2	<10	200	0.30	0.32	0.08	0.45	27.3	11.2	20
CC117821		0.18	0.003	0.10	1.11	22.5	<0.2	<10	120	0.19	0.24	0.04	0.34	19.40	7.2	17
CC117822		0.28	0.004	0.19	1.18	27.1	<0.2	<10	90	0.27	0.33	0.05	0.51	25.8	14.4	23
CC117823		0.20	0.003	0.33	1.40	28.6	<0.2	<10	180	0.39	0.39	0.06	0.62	26.5	9.7	30
CC117824		0.22	0.002	0.19	2.24	61.5	<0.2	<10	270	0.68	0.32	0.16	0.51	39.9	28.1	47
CC117825		0.20	0.002	0.17	1.72	198.5	<0.2	<10	220	0.33	0.28	0.31	0.34	19.05	13.1	63
CC117826		0.28	0.005	0.06	1.68	80.5	<0.2	<10	100	0.30	0.28	0.23	0.18	38.6	16.1	30
CC117827		0.26	0.005	0.10	1.51	47.2	<0.2	<10	130	0.35	0.31	0.13	0.22	29.3	13.0	35
CC117828		0.34	0.003	0.04	1.34	73.8	<0.2	<10	90	0.40	0.32	0.15	0.25	43.8	13.2	24
CC117829		0.26	0.003	0.12	1.34	39.7	<0.2	<10	60	0.34	0.38	0.03	0.19	34.5	11.2	25
CC117830		0.22	0.001	0.05	0.94	30.3	<0.2	<10	80	0.20	0.40	0.02	0.32	35.0	8.1	16
CC117831		0.16	0.002	0.09	1.22	57.1	<0.2	<10	90	0.33	0.35	0.09	0.18	37.2	12.6	22
CC137344		0.18	0.005	0.44	1.51	120.5	<0.2	<10	290	1.01	0.31	0.53	1.99	28.0	22.3	16
CC137345		0.26	0.008	0.55	1.37	87.4	<0.2	<10	300	0.49	0.29	0.87	0.68	23.6	11.1	17
CC137346		0.30	0.005	0.48	1.49	57.9	<0.2	<10	440	0.64	0.32	0.61	0.97	25.7	11.6	18



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
CC117795		0.78	18.2	3.99	5.49	0.11	<0.02	0.01	0.018	0.05	22.1	19.2	0.45	234	1.42
CC117796		1.30	14.9	2.42	5.57	0.10	<0.02	0.02	0.015	0.05	15.3	8.5	0.26	228	1.65
CC117797		0.80	49.2	4.94	4.93	0.13	0.04	0.02	0.018	0.07	20.9	36.3	0.89	1380	1.92
CC117798		0.94	50.1	3.49	3.99	0.11	0.04	0.06	0.018	0.06	16.9	26.3	0.64	690	0.98
CC117799		0.91	40.0	3.23	4.27	0.11	0.03	0.05	0.014	0.05	14.9	24.0	0.61	316	1.08
CC117800		0.81	4.9	0.74	5.40	0.11	<0.02	0.01	0.007	0.02	22.1	3.2	0.08	30	0.90
CC117801		0.86	39.5	3.08	5.31	0.10	<0.02	0.03	0.016	0.06	14.7	15.5	0.64	234	0.91
CC117802		0.95	72.8	4.29	4.40	0.12	0.02	0.01	0.024	0.07	14.0	22.5	0.89	918	0.93
CC117803		0.92	29.4	4.73	4.51	0.10	0.02	0.02	0.021	0.04	14.4	22.6	0.54	323	1.12
CC117804		1.15	44.3	3.03	3.62	0.10	<0.02	0.01	0.014	0.07	9.1	14.3	0.61	297	0.73
CC117805		1.53	108.0	5.00	5.81	0.12	0.03	0.02	0.025	0.10	14.2	24.1	0.83	424	1.63
CC117806		1.29	49.5	3.74	4.88	0.09	<0.02	0.02	0.029	0.07	11.3	17.8	0.39	575	1.24
CC117807		1.33	86.9	3.46	4.93	0.10	<0.02	0.03	0.040	0.06	13.5	19.8	0.46	678	1.28
CC117808		1.65	25.3	3.18	5.95	0.10	0.05	0.02	0.026	0.05	15.8	25.8	0.58	430	1.20
CC117809		1.44	12.4	1.85	4.17	0.09	<0.02	0.02	0.014	0.04	9.8	4.9	0.14	199	1.18
CC117810		1.09	17.2	2.48	4.69	0.08	0.04	0.02	0.014	0.05	13.3	19.8	0.33	163	0.92
CC117811		0.40	4.2	0.51	1.40	0.07	<0.02	0.01	<0.005	0.02	3.3	1.4	0.03	20	0.25
CC117812		1.16	12.1	2.83	5.05	0.10	<0.02	0.01	0.013	0.03	18.7	18.1	0.39	219	1.12
CC117813		1.20	12.3	1.71	3.82	0.09	<0.02	0.01	0.010	0.03	12.7	6.6	0.13	347	0.92
CC117814		0.82	14.2	2.09	3.44	0.09	0.02	0.03	0.015	0.03	8.2	9.0	0.13	942	0.64
CC117815		1.46	16.9	2.92	5.47	0.09	<0.02	0.03	0.018	0.06	14.3	22.6	0.26	443	1.43
CC117816		1.62	19.9	3.28	6.29	0.09	<0.02	0.01	0.020	0.06	13.9	14.5	0.23	601	1.43
CC117817		1.47	9.6	1.68	4.59	0.08	<0.02	0.01	0.014	0.04	9.2	7.7	0.13	385	0.89
CC117818		1.57	15.2	3.47	6.20	0.09	<0.02	0.03	0.019	0.06	11.4	13.5	0.22	430	1.56
CC117819		1.10	36.7	3.22	5.56	0.09	<0.02	0.02	0.023	0.06	11.8	9.9	0.26	499	1.39
CC117820		0.89	26.6	3.48	6.03	0.10	<0.02	0.01	0.020	0.08	13.8	9.8	0.30	457	1.45
CC117821		0.68	25.5	2.61	4.69	0.09	<0.02	0.02	0.016	0.08	10.0	10.2	0.35	241	1.11
CC117822		1.17	45.7	3.53	4.32	<0.05	<0.02	0.01	0.020	0.09	10.9	12.9	0.48	365	1.26
CC117823		1.11	52.1	3.62	5.22	<0.05	<0.02	0.02	0.022	0.08	11.9	10.8	0.38	358	1.55
CC117824		1.52	131.5	4.27	6.35	<0.05	0.03	0.01	0.031	0.10	19.1	30.3	0.80	843	1.47
CC117825		0.73	42.4	3.62	5.69	<0.05	<0.02	0.01	0.019	0.08	8.6	15.3	0.83	365	1.13
CC117826		0.86	54.4	4.17	4.67	0.05	<0.02	<0.01	0.018	0.07	16.2	23.0	0.78	430	0.84
CC117827		0.98	41.7	3.84	4.39	<0.05	<0.02	0.02	0.018	0.07	12.8	19.1	0.66	321	1.18
CC117828		0.77	31.2	3.41	3.88	0.05	<0.02	0.01	0.016	0.05	20.4	19.0	0.44	451	1.32
CC117829		1.19	32.3	3.51	4.96	0.05	<0.02	0.02	0.017	0.05	16.1	14.2	0.34	375	1.32
CC117830		1.11	27.8	3.13	4.53	<0.05	<0.02	0.01	0.016	0.04	16.9	6.8	0.15	326	1.42
CC117831		1.09	33.7	3.05	4.71	0.05	<0.02	0.02	0.016	0.05	17.7	25.0	0.44	302	1.40
CC137344		1.35	41.0	2.43	3.30	0.06	0.07	0.09	0.019	0.08	16.2	23.9	0.36	542	1.22
CC137345		1.45	58.5	2.79	3.28	0.05	0.08	0.12	0.024	0.11	11.1	21.1	0.38	539	1.40
CC137346		1.52	44.5	2.99	3.79	0.05	0.13	0.14	0.024	0.11	13.5	24.1	0.37	415	1.66



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CERTIFICATE OF ANALYSIS WH11115311

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
CC117795		0.66	18.0	310	17.7	12.0	<0.001	0.03	1.00	2.1	0.7	0.3	5.8	<0.01	0.05	6.1
CC117796		0.44	11.9	400	10.9	12.6	<0.001	0.04	0.80	0.9	0.6	0.6	9.9	<0.01	0.05	0.4
CC117797		0.18	79.1	460	178.0	6.0	<0.001	0.04	2.26	3.0	1.0	<0.2	18.9	<0.01	0.12	9.6
CC117798		0.26	58.8	740	22.5	7.3	0.001	0.08	1.11	2.8	1.3	0.2	40.5	<0.01	0.05	3.9
CC117799		0.29	32.4	620	16.8	6.7	0.001	0.07	1.02	2.3	1.1	0.2	23.1	<0.01	0.04	2.9
CC117800		0.28	3.6	240	5.0	4.9	<0.001	0.03	0.32	0.8	0.4	0.4	4.9	<0.01	0.01	1.3
CC117801		0.30	25.0	460	9.9	6.9	<0.001	0.04	1.13	2.0	0.5	0.2	12.4	<0.01	0.05	1.4
CC117802		0.29	43.9	720	18.9	6.1	<0.001	0.03	2.22	3.6	0.7	<0.2	10.5	<0.01	0.13	5.1
CC117803		0.63	24.4	410	19.2	7.0	<0.001	0.05	1.54	2.0	1.0	0.2	7.0	<0.01	0.11	4.1
CC117804		0.51	23.2	410	10.2	8.1	<0.001	0.04	1.14	2.0	0.5	0.2	7.6	<0.01	0.12	1.5
CC117805		0.49	43.4	690	31.2	10.6	<0.001	0.10	2.09	3.3	1.4	0.2	16.5	<0.01	0.26	4.4
CC117806		0.27	24.3	770	16.4	8.5	<0.001	0.06	3.81	2.3	0.6	0.3	11.1	<0.01	0.03	1.1
CC117807		0.30	30.4	810	16.9	8.1	<0.001	0.05	3.66	2.2	0.5	0.3	11.0	<0.01	0.04	0.6
CC117808		0.59	22.5	710	17.8	7.7	<0.001	0.04	1.09	3.0	0.6	0.5	20.7	<0.01	0.05	2.5
CC117809		0.16	9.3	770	10.5	9.3	<0.001	0.08	0.78	0.4	0.8	0.5	7.1	<0.01	0.03	<0.2
CC117810		0.24	17.1	620	11.2	6.7	<0.001	0.05	0.77	1.4	0.4	0.3	7.3	<0.01	0.04	2.7
CC117811		0.18	1.9	270	2.7	2.3	<0.001	0.03	0.14	0.3	0.2	<0.2	3.5	<0.01	0.01	0.2
CC117812		0.48	15.8	280	10.9	6.6	<0.001	0.03	0.83	1.1	0.4	0.3	4.8	<0.01	0.03	3.3
CC117813		0.24	7.5	550	9.5	7.2	<0.001	0.04	0.56	0.5	0.5	0.3	4.0	<0.01	0.02	0.4
CC117814		0.33	9.3	740	15.2	4.6	<0.001	0.07	0.52	1.2	0.3	0.2	41.4	0.01	0.03	1.1
CC117815		0.56	13.8	410	18.4	11.2	<0.001	0.04	0.84	1.2	0.4	0.5	10.9	<0.01	0.04	0.9
CC117816		0.30	13.5	590	27.5	11.6	<0.001	0.04	0.95	0.6	0.5	0.6	6.8	<0.01	0.05	0.2
CC117817		0.50	6.1	350	23.7	8.8	<0.001	0.03	0.50	0.8	0.5	0.4	15.0	<0.01	0.03	0.3
CC117818		0.88	12.4	530	20.6	10.0	<0.001	0.04	1.50	1.4	0.3	0.6	7.8	<0.01	0.03	0.8
CC117819		0.36	18.4	500	11.7	11.9	<0.001	0.05	2.33	1.1	0.6	0.5	8.4	<0.01	0.04	0.2
CC117820		0.40	16.4	510	15.1	11.2	<0.001	0.04	1.95	1.1	0.5	0.5	8.7	<0.01	0.07	0.3
CC117821		0.21	16.1	570	10.8	9.6	<0.001	0.04	1.30	0.7	0.4	0.3	6.5	<0.01	0.06	0.2
CC117822		0.40	23.7	510	14.1	11.1	<0.001	0.03	1.54	1.1	0.6	0.2	8.3	<0.01	0.13	0.6
CC117823		0.26	23.2	760	15.5	13.1	<0.001	0.04	1.44	0.5	0.7	0.3	9.6	<0.01	0.15	0.2
CC117824		0.69	44.3	860	15.8	15.9	<0.001	0.02	1.15	3.9	0.5	0.3	12.8	<0.01	0.08	2.1
CC117825		0.35	35.0	520	16.6	9.9	<0.001	0.03	1.22	1.2	0.3	0.3	17.9	<0.01	0.05	0.3
CC117826		0.34	36.2	410	13.9	7.7	<0.001	0.02	1.36	2.1	<0.2	0.2	22.4	<0.01	0.06	2.0
CC117827		0.38	31.9	430	14.0	8.4	<0.001	0.03	1.35	1.5	0.6	0.2	15.5	<0.01	0.10	0.8
CC117828		0.33	23.5	440	14.5	6.1	<0.001	0.02	0.85	1.1	0.5	0.2	17.1	<0.01	0.05	1.3
CC117829		0.32	18.0	670	16.1	11.4	<0.001	0.05	0.94	0.5	0.3	0.3	6.9	<0.01	0.05	0.3
CC117830		0.28	12.0	530	14.6	9.4	<0.001	0.03	0.82	0.3	<0.2	0.4	6.7	<0.01	0.05	0.3
CC117831		0.43	26.9	430	13.9	8.4	<0.001	0.02	0.92	1.1	0.8	0.3	11.0	<0.01	0.05	1.1
CC137344		0.34	84.9	890	20.2	10.9	0.002	0.09	1.19	2.6	2.5	0.2	44.3	<0.01	0.04	2.6
CC137345		0.38	33.6	800	18.0	11.2	0.005	0.08	2.06	3.6	2.2	0.3	54.0	<0.01	0.06	2.3
CC137346		0.31	44.2	780	18.7	12.1	0.003	0.06	1.61	3.6	2.0	0.3	47.7	<0.01	0.05	3.2



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North Vancouver BC V7H 0A7
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CERTIFICATE OF ANALYSIS WH11115311

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
CC117795		0.016	0.08	0.50	40	0.16	2.90	59	0.6
CC117796		0.031	0.09	0.62	48	0.25	2.43	49	<0.5
CC117797		0.016	0.07	2.91	33	0.08	9.14	141	1.4
CC117798		0.013	0.06	4.40	26	0.10	15.95	152	1.3
CC117799		0.013	0.07	1.55	28	0.10	6.09	74	0.9
CC117800		0.012	0.08	0.35	23	0.10	1.72	12	<0.5
CC117801		0.017	0.06	0.63	42	0.09	4.07	50	<0.5
CC117802		0.022	0.06	0.62	39	0.07	4.64	78	0.7
CC117803		0.019	0.07	0.50	30	0.14	2.21	66	0.7
CC117804		0.019	0.07	0.40	31	0.08	2.69	55	<0.5
CC117805		0.015	0.09	1.05	37	0.07	5.44	86	0.8
CC117806		0.014	0.08	0.57	38	0.13	2.99	70	<0.5
CC117807		0.020	0.08	0.74	38	0.15	5.25	68	<0.5
CC117808		0.023	0.11	1.15	45	0.25	4.39	65	1.3
CC117809		0.013	0.07	0.74	36	0.16	2.00	39	<0.5
CC117810		0.006	0.08	0.57	27	0.09	1.93	56	1.0
CC117811		0.010	0.03	0.19	8	<0.05	0.44	8	<0.5
CC117812		0.020	0.05	0.49	31	0.15	1.82	52	<0.5
CC117813		0.012	0.05	0.59	22	0.13	1.64	29	<0.5
CC117814		0.016	0.05	1.03	20	0.09	5.28	30	0.6
CC117815		0.018	0.08	0.62	36	0.15	2.67	60	<0.5
CC117816		0.014	0.09	0.64	50	0.19	2.91	81	<0.5
CC117817		0.024	0.09	0.64	36	0.22	2.08	33	<0.5
CC117818		0.035	0.10	0.69	56	0.23	1.89	82	<0.5
CC117819		0.025	0.10	0.50	54	0.19	2.40	67	<0.5
CC117820		0.024	0.08	0.41	57	0.16	2.55	86	<0.5
CC117821		0.012	0.08	0.43	41	0.13	1.66	60	<0.5
CC117822		0.023	0.08	0.44	42	0.13	2.42	71	<0.5
CC117823		0.014	0.09	0.64	49	0.13	2.93	71	<0.5
CC117824		0.028	0.11	1.50	62	0.17	10.60	112	0.5
CC117825		0.029	0.07	0.50	63	0.18	2.54	68	<0.5
CC117826		0.031	0.06	0.71	45	0.08	4.21	77	<0.5
CC117827		0.030	0.07	0.60	42	0.17	3.95	75	<0.5
CC117828		0.029	0.05	1.24	36	0.18	4.33	78	<0.5
CC117829		0.020	0.09	1.35	38	0.16	2.69	59	<0.5
CC117830		0.019	0.05	0.97	42	0.13	1.92	54	<0.5
CC117831		0.023	0.07	1.16	35	0.18	3.47	69	<0.5
CC137344		0.012	0.08	5.11	23	0.10	20.8	232	1.6
CC137345		0.012	0.11	1.01	30	0.14	10.75	119	2.1
CC137346		0.008	0.10	2.15	29	0.11	11.90	162	2.2



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 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
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CERTIFICATE OF ANALYSIS WH11115311

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
CC137347		0.18	0.003	0.39	1.18	23.4	<0.2	<10	750	0.51	0.32	0.50	0.77	31.1	11.8	15
CC137348		0.22	0.004	0.36	1.24	26.4	<0.2	<10	510	0.57	0.31	0.53	0.94	29.4	11.5	15
CC137349		0.24	0.005	0.37	1.37	45.6	<0.2	<10	410	0.52	0.33	0.58	0.76	27.9	11.9	16
CC137350		0.26	0.005	0.28	1.34	41.8	<0.2	<10	420	0.61	0.33	0.46	0.54	29.4	11.7	16
CC137643		0.20	0.006	0.38	1.64	39.8	<0.2	<10	530	0.57	0.36	0.52	0.64	25.2	11.7	20
CC137644		0.26	0.005	0.51	1.95	77.8	<0.2	<10	490	0.77	0.40	0.68	1.14	33.1	15.6	24



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CERTIFICATE OF ANALYSIS WH11115311

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
CC137347		1.18	38.7	2.71	3.40	<0.05	0.05	0.13	0.022	0.10	14.8	21.1	0.33	511	1.75
CC137348		1.21	37.6	2.74	3.42	<0.05	0.08	0.13	0.019	0.09	14.1	22.5	0.32	585	1.55
CC137349		1.24	44.4	2.95	3.75	0.05	0.07	0.12	0.024	0.09	15.0	22.6	0.34	621	1.39
CC137350		1.16	38.9	3.13	3.98	0.05	0.08	0.08	0.022	0.09	14.3	22.2	0.37	565	1.55
CC137643		1.43	42.6	3.20	4.42	0.05	0.11	0.09	0.026	0.12	12.9	24.0	0.40	500	1.52
CC137644		1.45	59.8	2.71	4.50	0.05	0.09	0.17	0.023	0.09	16.6	29.9	0.39	275	1.41



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CERTIFICATE OF ANALYSIS WH11115311

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
CC137347		0.28	33.2	790	17.2	8.7	0.001	0.04	1.59	3.0	1.8	0.3	49.4	<0.01	0.04	4.1
CC137348		0.25	38.5	680	18.1	8.8	0.001	0.05	1.50	2.9	1.4	0.2	45.0	<0.01	0.06	4.1
CC137349		0.31	34.9	750	19.8	9.9	0.003	0.05	1.44	3.0	1.5	0.2	43.5	<0.01	0.07	3.6
CC137350		0.30	30.7	660	19.2	9.5	0.001	0.03	1.54	3.0	1.2	0.3	37.8	<0.01	0.05	3.7
CC137643		0.33	37.1	820	17.4	11.6	0.002	0.05	1.46	3.2	1.4	0.3	39.6	<0.01	0.05	3.2
CC137644		0.43	66.9	990	20.1	12.6	0.004	0.11	0.97	3.3	2.3	0.3	56.8	<0.01	0.04	3.3



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CERTIFICATE OF ANALYSIS WH11115311

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
CC137347		0.008	0.11	1.82	28	0.17	8.83	121	1.5
CC137348		0.007	0.09	1.66	25	0.14	9.82	130	1.9
CC137349		0.008	0.10	1.89	28	0.12	12.70	125	2.0
CC137350		0.008	0.08	1.36	28	0.11	8.06	112	2.1
CC137643		0.009	0.10	1.74	34	0.13	8.60	128	2.5
CC137644		0.012	0.12	5.11	35	0.27	20.6	171	1.9



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CERTIFICATE OF ANALYSIS WH11115311

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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P.O. No.:

This report is for 128 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	

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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

To: ARCHER, CATHRO AND ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
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Project: Lansing - Leroy

CERTIFICATE OF ANALYSIS WH11149864

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
DD006973		0.20	0.010	0.35	1.61	166.5	<0.2	<10	260	0.39	0.36	0.70	0.74	32.7	14.5	22
DD006974		0.28	0.007	0.59	1.21	158.0	<0.2	<10	330	0.58	0.25	1.25	1.12	19.00	12.5	16
DD006975		0.22	0.006	0.79	1.69	346	<0.2	<10	210	1.90	0.28	0.46	1.32	30.4	108.0	14
DD006976		0.18	0.003	0.16	1.16	123.0	<0.2	<10	60	0.30	0.42	0.05	0.10	20.1	7.0	17
DD006977		0.24	0.004	0.16	1.55	83.1	<0.2	<10	70	0.37	0.49	0.08	0.14	34.3	22.5	22
DD006978		0.26	NSS	0.14	1.79	173.0	<0.2	<10	50	0.46	0.41	0.23	0.13	59.1	23.2	18
DD006979		0.24	0.005	0.15	1.59	87.3	<0.2	<10	150	0.44	0.39	0.33	0.23	39.4	19.4	34
DD006980		0.12	0.003	0.32	0.70	80.1	<0.2	<10	50	0.11	0.23	0.06	0.48	22.3	5.4	25
DD006981		0.20	0.008	0.30	1.53	81.1	<0.2	<10	140	0.35	0.35	0.24	0.09	25.1	14.3	50
DD006982		0.24	0.029	0.19	2.45	403	<0.2	<10	130	0.62	0.46	0.24	0.13	36.7	26.3	48
DD006983		0.16	0.005	0.15	2.10	63.0	<0.2	<10	110	0.33	0.23	0.25	0.32	15.90	27.0	80
DD006984		0.12	0.004	0.20	1.85	42.9	<0.2	<10	120	0.36	0.25	0.28	0.16	24.5	23.1	43
DD006985		0.20	0.005	0.13	2.45	35.2	<0.2	<10	100	0.33	0.21	0.21	0.24	22.6	32.0	287
DD006986		0.24	0.004	0.09	2.00	21.4	<0.2	<10	110	0.34	0.18	0.45	0.27	17.65	24.4	134
DD006987		0.24	0.009	0.14	1.81	28.1	<0.2	<10	120	0.38	0.55	0.31	0.48	38.2	25.3	29
DD006988		0.24	0.007	0.20	1.93	54.2	<0.2	<10	160	0.44	0.42	0.24	0.27	31.4	20.5	31
DD006989		0.16	0.007	0.11	1.68	79.0	<0.2	<10	160	0.46	0.52	0.21	0.39	28.4	23.4	25
DD006990		0.22	0.012	0.18	1.43	195.5	<0.2	<10	180	0.38	0.28	0.41	0.24	18.15	14.6	22
DD006991		0.20	0.007	0.07	1.41	72.1	<0.2	<10	120	0.38	0.35	0.07	0.25	26.3	13.0	29
DD006992		0.22	0.003	0.05	2.83	36.0	<0.2	<10	150	0.63	0.16	0.20	0.08	16.00	29.4	72
DD006993		0.26	0.009	0.03	2.05	49.8	<0.2	<10	220	0.73	0.44	0.07	0.24	44.7	23.4	27
DD006994		0.28	0.007	0.08	1.56	62.3	<0.2	<10	110	0.35	0.31	0.14	0.14	26.1	13.7	25
DD006995		0.22	0.007	0.13	1.80	85.4	<0.2	<10	160	0.52	0.33	0.21	0.13	23.4	20.8	28
ZZ11679		0.16	0.007	0.11	2.06	170.5	<0.2	<10	100	0.48	0.54	0.23	0.13	52.4	17.4	24
ZZ11680		0.16	0.002	0.06	1.01	23.5	<0.2	<10	50	0.17	0.18	0.06	0.07	17.55	4.4	11
ZZ11681		0.20	0.006	0.10	1.54	55.7	<0.2	<10	90	0.29	0.35	0.06	0.15	37.2	9.9	27
ZZ11682		0.10	0.004	0.19	1.84	86.6	<0.2	<10	130	0.42	0.46	0.05	0.18	31.7	11.8	29
ZZ11683		0.12	0.018	0.26	1.12	38.0	<0.2	<10	80	0.25	0.29	0.05	0.13	17.80	5.1	16
ZZ11684		0.22	0.003	0.05	1.11	43.1	<0.2	<10	170	0.23	0.31	0.07	0.17	27.5	6.8	19
ZZ11685		0.24	0.003	0.16	1.41	47.5	<0.2	<10	160	0.35	0.31	0.08	0.21	34.7	10.8	28
ZZ11686		0.16	0.022	0.06	0.81	150.5	<0.2	<10	30	0.16	0.49	0.02	0.06	47.9	6.3	10
ZZ11687		0.16	0.007	0.24	1.98	38.1	<0.2	<10	100	0.78	0.33	0.10	0.09	26.4	12.5	21
ZZ11688		0.20	0.011	0.06	1.53	23.8	<0.2	<10	60	0.29	0.36	0.06	0.14	40.6	8.0	20
ZZ11689		0.20	0.005	0.32	1.69	26.3	<0.2	<10	60	0.32	0.44	0.04	0.12	41.0	5.8	19
ZZ11690		0.16	0.002	0.09	1.64	19.8	<0.2	<10	70	0.31	0.43	0.05	0.14	29.3	5.1	23
ZZ11691		0.20	0.005	0.09	1.55	28.9	<0.2	<10	190	0.39	0.34	0.07	0.15	55.2	9.2	22
ZZ11692		0.18	0.005	0.12	1.54	76.0	<0.2	<10	160	0.41	0.25	0.09	0.17	43.9	11.9	21
ZZ11693		0.16	0.004	0.16	1.24	115.5	<0.2	<10	260	0.33	0.29	0.07	0.20	40.6	9.7	18
ZZ11694		0.24	0.009	0.04	1.53	153.0	<0.2	<10	140	0.41	0.43	0.03	0.25	63.0	27.4	21
ZZ11695		0.20	0.007	0.08	1.59	133.5	<0.2	<10	120	0.41	0.43	0.03	0.11	57.4	14.1	21



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

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CERTIFICATE OF ANALYSIS WH11149864

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
DD006973		0.92	43.5	3.28	4.14	0.12	0.06	0.07	0.018	0.07	17.0	24.3	0.65	540	0.77
DD006974		1.07	52.1	2.23	2.92	0.12	0.07	0.12	0.017	0.05	15.5	20.1	0.31	819	0.86
DD006975		2.01	83.8	2.15	3.28	0.16	0.02	0.15	0.016	0.05	18.5	22.5	0.24	1840	0.90
DD006976		1.23	37.6	2.91	4.13	0.10	<0.02	0.04	0.013	0.04	9.5	12.7	0.32	207	1.16
DD006977		1.45	61.7	3.82	4.79	0.12	0.03	0.04	0.019	0.05	16.9	20.4	0.53	538	1.36
DD006978		1.16	42.8	3.62	4.93	0.16	0.05	0.02	0.014	0.10	29.3	27.6	1.04	688	0.33
DD006979		1.25	59.9	4.33	4.40	0.13	0.04	0.04	0.025	0.08	20.8	18.2	0.69	738	1.01
DD006980		1.15	19.9	1.69	4.61	0.11	<0.02	0.06	0.010	0.07	11.2	5.5	0.25	119	0.87
DD006981		1.02	61.7	3.62	4.54	0.10	<0.02	0.05	0.019	0.08	13.2	15.8	0.79	358	0.94
DD006982		1.63	106.0	4.64	7.70	0.12	0.03	0.04	0.031	0.10	17.4	29.8	1.35	774	1.05
DD006983		1.58	112.5	4.70	6.54	0.12	<0.02	0.06	0.028	0.13	7.3	24.0	1.29	621	0.85
DD006984		1.39	114.5	3.39	5.83	0.11	<0.02	0.05	0.022	0.09	12.3	20.3	0.80	526	0.97
DD006985		1.93	111.5	4.75	7.31	0.12	0.02	0.03	0.030	0.08	11.2	22.4	2.34	716	0.73
DD006986		1.46	96.2	3.61	4.61	0.11	0.02	0.03	0.021	0.04	7.9	17.7	1.65	640	0.62
DD006987		1.16	119.0	5.24	5.99	0.14	0.04	0.03	0.027	0.06	20.5	19.8	0.99	589	1.72
DD006988		2.46	80.6	5.07	6.39	0.12	0.02	0.04	0.031	0.17	15.4	27.0	1.02	488	0.98
DD006989		2.17	95.0	4.79	5.87	0.11	<0.02	0.02	0.033	0.09	13.2	22.0	0.62	662	1.44
DD006990		1.45	45.7	3.46	4.79	0.10	0.03	0.04	0.028	0.07	8.3	15.7	0.51	669	0.88
DD006991		1.50	47.2	4.19	6.47	0.10	<0.02	0.02	0.034	0.06	12.8	18.2	0.46	380	1.58
DD006992		3.70	80.1	6.15	9.33	0.11	<0.02	0.01	0.024	0.44	7.2	31.6	1.61	692	0.58
DD006993		1.79	60.2	4.58	6.21	0.13	0.11	0.01	0.030	0.08	22.5	42.4	0.66	693	1.34
DD006994		1.56	62.8	3.75	5.64	0.11	<0.02	0.02	0.041	0.05	13.4	19.6	0.42	473	1.04
DD006995		1.59	104.0	4.41	5.81	0.10	0.05	0.02	0.053	0.06	11.8	27.3	0.57	809	1.23
ZZ11679		0.97	48.8	4.52	5.74	0.14	0.11	0.01	0.020	0.05	26.7	29.2	1.04	474	0.74
ZZ11680		0.53	21.1	1.64	3.00	0.10	<0.02	<0.01	0.008	0.03	8.3	7.9	0.25	117	0.51
ZZ11681		1.08	39.7	3.50	4.79	0.11	<0.02	0.02	0.017	0.04	18.3	19.0	0.61	255	1.16
ZZ11682		1.51	51.1	3.85	5.53	0.11	0.02	0.04	0.020	0.06	15.3	21.1	0.60	337	1.31
ZZ11683		0.86	30.4	2.31	3.52	0.09	<0.02	0.02	0.011	0.04	8.9	10.5	0.31	166	0.86
ZZ11684		0.91	24.0	2.82	4.29	0.11	<0.02	<0.01	0.013	0.04	13.9	11.0	0.36	307	1.02
ZZ11685		0.95	43.1	3.23	4.48	0.11	0.02	0.01	0.018	0.05	17.7	20.4	0.56	340	1.15
ZZ11686		0.85	26.8	4.04	6.46	0.13	<0.02	0.02	0.014	0.03	24.6	7.0	0.19	150	1.28
ZZ11687		1.94	113.5	3.01	5.22	0.12	<0.02	0.04	0.028	0.04	13.8	24.0	0.28	250	1.93
ZZ11688		0.98	24.6	2.78	4.99	0.10	0.02	0.03	0.018	0.03	20.3	20.7	0.32	185	1.36
ZZ11689		0.99	28.3	4.05	5.61	0.11	0.02	0.04	0.019	0.03	21.3	24.7	0.34	138	1.38
ZZ11690		1.37	21.9	3.04	6.76	0.10	<0.02	0.03	0.019	0.05	15.2	16.8	0.29	148	1.79
ZZ11691		0.80	32.3	3.38	4.74	0.13	0.02	0.02	0.016	0.04	26.6	25.4	0.56	262	1.25
ZZ11692		0.76	32.9	3.06	4.05	0.10	0.04	0.04	0.019	0.04	23.3	25.0	0.54	318	1.00
ZZ11693		0.80	30.7	2.80	4.20	0.09	0.03	0.04	0.016	0.04	21.2	20.5	0.41	233	1.25
ZZ11694		0.76	45.6	3.50	4.51	0.12	0.04	0.03	0.019	0.05	32.2	27.6	0.59	346	1.18
ZZ11695		0.77	51.4	3.53	4.65	0.10	0.04	0.03	0.018	0.05	29.2	28.6	0.59	330	1.15



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CERTIFICATE OF ANALYSIS WH11149864

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
DD006973		0.28	30.6	790	19.6	10.2	0.001	0.07	1.19	2.0	1.3	0.2	59.0	<0.01	0.03	4.0
DD006974		0.35	70.6	1070	18.0	8.2	0.002	0.13	1.16	2.2	3.8	0.2	108.5	<0.01	0.03	1.6
DD006975		0.35	137.0	1180	17.5	7.6	0.001	0.11	0.66	1.1	2.1	0.3	29.1	<0.01	0.01	0.7
DD006976		0.26	15.4	660	18.0	6.4	<0.001	0.04	0.99	0.4	0.4	0.2	13.7	<0.01	0.02	0.3
DD006977		0.32	29.8	810	27.0	8.0	<0.001	0.03	1.07	1.4	0.4	0.3	16.8	<0.01	0.04	3.4
DD006978		0.07	32.1	460	31.8	7.2	<0.001	0.01	1.20	1.8	0.4	0.2	17.9	<0.01	0.03	16.5
DD006979		0.32	39.4	660	26.0	11.4	0.001	0.03	1.81	3.7	0.8	0.2	34.9	<0.01	0.05	4.7
DD006980		0.40	12.7	530	9.4	10.8	<0.001	0.03	1.12	0.8	<0.2	0.3	5.9	<0.01	0.07	0.4
DD006981		0.29	34.3	840	18.1	10.4	<0.001	0.07	1.53	2.2	0.5	0.2	24.8	<0.01	0.04	2.1
DD006982		0.31	46.1	630	26.6	14.1	<0.001	0.03	2.53	4.1	0.6	0.3	15.2	<0.01	0.07	3.7
DD006983		0.34	50.5	920	10.2	16.5	0.001	0.07	1.40	4.1	0.3	0.2	9.8	<0.01	0.04	1.6
DD006984		0.42	42.6	720	13.0	13.6	0.001	0.06	1.24	2.8	0.6	0.2	17.3	<0.01	0.06	0.8
DD006985		0.32	155.5	620	12.0	11.8	<0.001	0.02	1.32	8.1	0.4	0.2	10.6	<0.01	0.06	3.2
DD006986		0.34	74.0	660	8.3	7.0	0.001	0.04	1.19	4.4	0.4	0.2	9.8	<0.01	0.07	2.0
DD006987		0.42	42.7	640	25.0	8.1	0.001	0.04	1.59	3.6	1.5	0.2	19.3	<0.01	0.33	5.8
DD006988		0.48	35.6	650	28.3	21.4	0.001	0.09	2.91	4.6	1.0	0.3	21.0	<0.01	0.14	3.4
DD006989		0.57	35.5	760	27.0	14.9	0.001	0.06	2.77	2.7	1.0	0.3	19.7	<0.01	0.17	1.6
DD006990		0.42	20.4	1080	24.1	12.1	<0.001	0.08	3.31	2.9	0.8	0.3	28.6	<0.01	0.03	1.1
DD006991		0.50	20.5	600	17.1	11.2	<0.001	0.03	3.11	2.3	0.3	0.5	8.0	<0.01	0.04	0.9
DD006992		0.47	38.9	390	11.6	47.0	<0.001	0.02	1.32	7.3	<0.2	0.4	8.8	<0.01	0.01	2.2
DD006993		0.43	37.4	420	29.1	10.8	<0.001	0.01	3.65	3.2	0.5	0.4	8.8	<0.01	0.04	7.2
DD006994		0.31	23.0	870	12.2	9.6	<0.001	0.04	3.92	1.8	0.6	0.3	10.6	<0.01	0.05	0.4
DD006995		0.40	31.0	960	18.6	9.8	0.001	0.05	5.64	4.4	0.4	1.1	14.5	<0.01	0.03	1.9
ZZ11679		0.20	37.3	530	27.1	8.2	<0.001	0.02	1.06	2.5	0.9	0.2	24.2	<0.01	0.05	11.1
ZZ11680		0.21	9.6	440	8.2	4.5	<0.001	0.02	0.54	0.4	0.2	<0.2	7.1	0.01	0.03	0.3
ZZ11681		0.25	22.1	580	16.5	8.1	0.001	0.02	1.18	1.3	0.6	0.2	8.7	<0.01	0.03	1.9
ZZ11682		0.35	24.1	730	22.3	10.5	<0.001	0.05	1.28	1.0	0.5	0.6	13.6	<0.01	0.03	1.0
ZZ11683		0.19	12.1	670	11.9	6.8	<0.001	0.06	0.66	0.4	0.4	0.2	8.7	<0.01	0.02	0.2
ZZ11684		0.30	13.8	480	12.0	11.2	<0.001	0.02	0.87	0.9	0.3	0.3	10.2	<0.01	0.04	0.9
ZZ11685		0.33	25.1	550	16.1	7.9	0.001	0.02	1.21	2.0	0.3	0.3	11.1	<0.01	0.03	2.8
ZZ11686		0.41	16.2	500	15.6	7.9	<0.001	0.02	1.16	0.8	0.3	0.3	5.4	<0.01	0.05	3.7
ZZ11687		0.53	21.9	760	28.3	7.7	<0.001	0.05	0.75	1.0	1.5	0.4	14.5	0.01	0.03	0.5
ZZ11688		0.87	16.5	370	16.2	8.2	<0.001	<0.01	0.83	1.7	0.4	0.4	9.6	0.01	0.03	7.4
ZZ11689		0.80	14.5	390	19.5	5.6	<0.001	0.02	0.78	1.5	0.6	0.3	7.4	<0.01	0.02	7.5
ZZ11690		0.92	12.9	370	18.3	7.8	<0.001	0.02	0.91	1.5	0.6	0.7	8.3	<0.01	0.03	1.7
ZZ11691		0.52	21.5	380	14.5	7.7	<0.001	<0.01	0.82	2.1	0.5	0.3	9.1	<0.01	0.02	8.2
ZZ11692		0.74	27.9	430	16.2	5.7	<0.001	0.02	0.87	2.3	0.5	0.2	10.2	<0.01	0.04	7.0
ZZ11693		0.62	24.2	380	11.8	5.8	<0.001	0.02	0.90	2.1	0.7	0.3	11.0	<0.01	0.05	6.4
ZZ11694		0.46	35.8	230	14.6	5.1	<0.001	0.02	1.17	2.4	0.6	0.2	8.4	<0.01	0.05	12.2
ZZ11695		0.42	29.9	280	15.7	5.5	<0.001	0.03	1.11	2.2	0.6	0.2	8.0	<0.01	0.05	9.6



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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
DD006973		0.012	0.06	1.84	24	0.11	9.67	98	1.5
DD006974		0.014	0.06	5.77	18	0.12	27.6	116	1.9
DD006975		0.013	0.08	6.93	19	0.49	27.8	195	0.5
DD006976		0.014	0.05	1.46	29	0.31	2.39	51	<0.5
DD006977		0.021	0.07	2.30	32	0.14	5.90	78	0.7
DD006978		<0.005	0.07	0.85	17	<0.05	8.58	80	1.7
DD006979		0.017	0.09	1.23	37	0.15	14.00	85	1.3
DD006980		0.016	0.07	0.57	34	0.12	1.69	36	<0.5
DD006981		0.015	0.08	1.30	38	0.08	5.79	63	<0.5
DD006982		0.018	0.11	1.07	56	0.10	6.37	91	0.6
DD006983		0.041	0.10	0.43	78	0.12	3.38	83	<0.5
DD006984		0.027	0.09	0.58	48	0.12	6.45	57	<0.5
DD006985		0.044	0.08	0.52	91	0.10	6.79	82	0.8
DD006986		0.022	0.06	0.39	52	0.08	4.93	62	0.7
DD006987		0.021	0.07	0.81	42	0.11	7.83	94	1.1
DD006988		0.046	0.14	0.90	56	0.09	6.52	90	0.5
DD006989		0.020	0.11	0.76	45	0.16	5.81	96	<0.5
DD006990		0.020	0.08	0.70	40	0.14	5.34	74	0.9
DD006991		0.028	0.09	0.54	67	0.22	3.18	61	<0.5
DD006992		0.167	0.27	0.36	138	0.11	4.15	96	<0.5
DD006993		0.011	0.10	0.92	37	0.25	4.16	97	3.3
DD006994		0.014	0.07	0.67	46	0.12	5.19	64	<0.5
DD006995		0.013	0.08	0.85	44	0.15	6.17	78	1.2
ZZ11679		0.007	0.07	1.23	23	0.08	11.50	100	2.3
ZZ11680		0.015	0.05	0.80	16	0.08	2.68	31	<0.5
ZZ11681		0.014	0.07	1.32	34	0.15	4.35	69	<0.5
ZZ11682		0.015	0.09	1.62	35	0.18	4.71	74	0.5
ZZ11683		0.011	0.06	1.63	22	0.13	3.08	42	<0.5
ZZ11684		0.023	0.06	0.76	33	0.16	2.68	54	<0.5
ZZ11685		0.020	0.07	1.12	34	0.19	4.85	74	0.5
ZZ11686		0.012	0.05	1.01	31	0.14	3.63	46	<0.5
ZZ11687		0.019	0.10	7.07	37	0.19	10.65	49	<0.5
ZZ11688		0.027	0.08	0.88	39	0.27	3.33	59	0.7
ZZ11689		0.017	0.09	1.05	34	0.25	2.83	50	0.7
ZZ11690		0.026	0.11	0.97	57	0.35	2.56	58	<0.5
ZZ11691		0.023	0.07	1.35	32	0.27	5.76	71	0.7
ZZ11692		0.029	0.07	0.96	28	0.26	4.46	65	1.1
ZZ11693		0.023	0.09	1.32	30	0.24	5.34	58	0.7
ZZ11694		0.022	0.06	1.61	25	0.15	4.84	74	1.3
ZZ11695		0.019	0.07	1.69	25	0.16	5.17	69	0.8



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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- 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
ZZ11696		0.20	0.005	0.19	1.57	45.0	<0.2	<10	190	0.55	0.29	0.04	0.19	39.2	13.1	21
ZZ11697		0.20	0.005	0.09	1.39	66.3	<0.2	<10	180	0.49	0.30	0.04	0.24	50.3	15.7	20
ZZ11698		0.20	0.005	0.13	1.37	68.1	<0.2	<10	240	0.48	0.36	0.03	0.24	45.3	12.7	17
ZZ11699		0.18	0.008	0.07	1.40	68.2	<0.2	<10	110	0.50	0.28	0.05	0.30	39.8	13.2	18
ZZ11700		0.24	0.003	0.16	0.81	62.0	<0.2	<10	60	0.24	0.30	0.09	0.14	27.0	23.9	8
ZZ12401		0.18	0.005	0.16	1.76	86.8	<0.2	<10	180	0.56	0.27	0.03	0.10	35.2	13.7	29
ZZ12402		0.18	0.008	0.12	1.88	57.0	<0.2	<10	150	0.52	0.23	0.03	0.14	46.0	13.9	30
ZZ12403		0.20	0.003	0.16	1.49	90.7	<0.2	<10	120	0.29	0.28	0.03	0.17	33.4	9.0	24
ZZ12404		0.20	0.006	0.11	1.50	118.0	<0.2	<10	270	0.40	0.34	0.28	0.15	44.5	14.0	19
ZZ12405		0.16	0.003	0.40	1.48	31.3	<0.2	<10	470	0.43	0.32	0.10	0.13	24.8	5.7	20
ZZ12406		0.20	0.006	0.10	1.84	109.5	<0.2	<10	160	0.55	0.32	0.12	0.17	33.9	11.1	26
ZZ12407		0.18	0.004	0.08	1.45	66.2	<0.2	<10	80	0.31	0.33	0.06	0.11	49.0	11.2	20
ZZ12408		0.18	0.001	0.10	0.41	10.3	<0.2	<10	30	0.07	0.12	0.03	0.05	9.48	1.4	4
ZZ12409		0.26	0.003	0.12	1.40	102.5	<0.2	<10	70	0.32	0.31	0.04	0.13	43.1	11.5	17
ZZ12410		0.20	0.004	0.09	1.05	110.0	<0.2	<10	90	0.28	0.30	0.04	0.16	31.4	6.0	14
ZZ12411		0.20	0.006	0.07	1.16	70.2	<0.2	<10	80	0.26	0.30	0.06	0.14	34.4	6.8	20
ZZ12412		0.22	0.007	0.09	1.15	87.0	<0.2	<10	80	0.31	0.31	0.04	0.17	41.5	9.1	17
ZZ12413		0.18	0.003	0.11	1.35	50.5	<0.2	<10	70	0.23	0.28	0.04	0.09	30.1	6.2	21
ZZ12414		0.20	0.005	0.07	1.49	106.0	<0.2	<10	130	0.39	0.31	0.22	0.21	32.6	14.1	28
ZZ12415		0.14	0.001	0.26	0.80	23.3	<0.2	<10	80	0.19	0.14	0.25	0.09	12.95	5.8	13
ZZ12416		0.22	0.003	0.09	1.56	57.0	<0.2	<10	130	0.29	0.28	0.14	0.16	32.8	16.2	29
ZZ12417		0.18	0.002	0.11	1.13	38.0	<0.2	<10	110	0.22	0.23	0.08	0.13	21.7	11.1	26
ZZ12418		0.18	0.015	0.19	1.26	197.5	<0.2	<10	50	0.29	0.33	0.09	0.21	37.8	16.7	22
ZZ12419		0.18	0.008	0.21	1.29	82.8	<0.2	<10	90	0.30	0.27	0.22	0.16	28.2	16.7	25
ZZ12420		0.12	0.009	0.29	1.91	157.0	<0.2	<10	170	0.46	0.25	0.39	0.21	23.3	19.2	49
ZZ12421		0.18	0.005	0.11	2.95	26.3	<0.2	<10	50	0.47	0.19	0.08	0.21	19.15	35.0	83
ZZ12422		0.18	0.003	0.20	2.25	23.6	<0.2	<10	90	0.38	0.16	0.18	0.14	15.70	27.5	59
ZZ12423		0.16	0.005	0.14	2.83	36.1	<0.2	<10	170	0.54	0.25	0.27	0.21	26.0	30.7	245
ZZ12424		0.18	0.003	0.07	2.45	29.0	<0.2	<10	120	0.39	0.19	0.17	0.22	22.6	27.6	236
ZZ12425		0.24	0.008	0.07	1.66	46.9	<0.2	<10	120	0.33	0.36	0.19	0.28	33.5	20.2	26
ZZ12426		0.22	0.004	0.10	1.30	25.9	<0.2	<10	90	0.32	0.23	0.19	0.21	22.1	11.5	18
ZZ12427		0.14	0.014	0.41	1.77	69.9	<0.2	<10	160	0.47	0.53	0.52	0.43	22.7	28.2	21
ZZ12428		0.16	0.007	0.10	1.09	38.0	<0.2	<10	70	0.24	0.34	0.06	0.16	18.25	13.5	16
ZZ12429		0.22	0.013	0.18	1.63	185.5	<0.2	<10	140	0.39	0.38	0.37	0.20	27.6	20.3	22
ZZ12430		0.22	0.011	0.16	1.60	216	<0.2	<10	180	0.44	0.41	0.19	0.28	30.4	22.4	25
ZZ12431		0.20	0.005	0.13	2.07	105.0	<0.2	<10	190	0.64	0.57	0.14	0.38	38.2	42.5	33
ZZ12432		0.20	0.012	0.16	1.22	207	<0.2	<10	60	0.34	0.37	0.07	0.17	21.8	31.7	16
ZZ12433		0.24	0.011	0.06	1.12	31.9	<0.2	<10	110	0.28	0.33	0.08	0.14	30.8	7.8	13
ZZ12434		0.24	0.003	0.16	1.07	26.7	<0.2	<10	120	0.59	0.26	0.70	0.21	30.4	9.2	11
ZZ12435		0.18	0.004	0.16	1.07	27.7	<0.2	<10	80	0.69	0.30	0.67	0.26	34.7	9.3	9



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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
ZZ11696		1.15	33.5	3.34	3.96	0.09	0.05	0.05	0.022	0.05	20.4	29.1	0.42	263	1.73
ZZ11697		0.89	43.1	3.14	3.89	0.09	0.04	0.06	0.018	0.05	25.6	25.2	0.49	407	1.54
ZZ11698		0.88	35.5	3.11	3.72	0.09	0.05	0.04	0.018	0.05	24.6	24.4	0.41	293	1.62
ZZ11699		0.90	32.8	3.15	3.75	0.09	0.05	0.05	0.020	0.04	21.0	25.6	0.41	249	1.46
ZZ11700		0.62	40.8	1.99	2.76	0.07	0.03	0.04	0.009	0.04	13.5	11.1	0.20	433	0.84
ZZ12401		1.38	35.1	3.85	5.19	0.09	<0.02	0.03	0.026	0.07	18.1	42.3	0.66	430	0.94
ZZ12402		1.15	39.6	3.74	4.93	0.10	0.07	0.04	0.026	0.06	24.0	35.6	0.68	293	1.06
ZZ12403		1.13	23.3	3.66	5.00	0.09	0.02	0.05	0.021	0.06	17.4	21.4	0.45	314	1.65
ZZ12404		0.81	37.8	3.16	4.28	0.08	0.04	0.02	0.018	0.05	22.9	23.0	0.55	349	0.97
ZZ12405		1.70	17.3	2.13	6.04	0.06	<0.02	0.08	0.021	0.05	13.7	13.0	0.25	240	1.24
ZZ12406		1.54	33.4	3.29	5.16	0.07	0.05	0.04	0.026	0.07	17.2	28.2	0.51	390	1.34
ZZ12407		1.14	31.5	3.22	5.10	0.08	0.03	0.02	0.017	0.05	25.5	20.1	0.47	289	1.46
ZZ12408		0.65	8.4	0.71	2.44	<0.05	<0.02	0.04	0.005	0.03	5.1	1.3	0.04	34	0.58
ZZ12409		0.75	33.9	3.28	4.55	0.09	0.03	0.02	0.014	0.03	22.3	28.0	0.49	314	1.07
ZZ12410		0.83	30.7	2.50	4.17	0.06	0.02	0.03	0.012	0.03	16.8	16.7	0.34	137	1.04
ZZ12411		1.18	24.7	3.34	4.70	0.08	<0.02	0.03	0.016	0.04	18.2	16.2	0.35	171	1.32
ZZ12412		0.90	30.6	3.29	3.75	0.09	0.02	0.02	0.016	0.03	22.0	23.5	0.41	252	1.05
ZZ12413		1.27	26.3	2.69	4.66	0.06	<0.02	0.03	0.016	0.04	16.0	18.8	0.39	159	1.18
ZZ12414		1.09	41.5	3.47	4.58	0.08	0.02	0.02	0.020	0.05	16.8	22.9	0.63	424	1.04
ZZ12415		0.89	18.5	1.70	3.19	<0.05	<0.02	0.02	0.009	0.04	6.7	7.6	0.22	325	0.69
ZZ12416		1.19	46.6	3.72	5.28	0.08	0.02	0.02	0.021	0.08	17.0	21.1	0.70	454	1.19
ZZ12417		1.10	32.0	2.47	4.24	0.06	<0.02	0.03	0.014	0.05	11.5	13.4	0.44	346	0.93
ZZ12418		0.93	60.4	3.45	4.06	0.10	0.03	0.04	0.018	0.06	19.8	18.9	0.57	486	1.00
ZZ12419		1.00	57.7	3.08	3.93	0.08	0.03	0.04	0.015	0.07	14.7	18.8	0.60	409	0.85
ZZ12420		1.60	99.8	3.54	5.72	0.08	0.04	0.04	0.023	0.09	13.1	23.8	0.84	637	1.04
ZZ12421		2.19	122.5	6.27	8.29	0.12	<0.02	0.03	0.024	0.11	9.5	38.4	1.73	867	0.78
ZZ12422		1.63	135.0	4.60	6.79	0.09	0.02	0.04	0.021	0.09	8.4	27.7	1.27	569	0.85
ZZ12423		2.63	123.0	5.06	8.34	0.11	0.03	0.03	0.041	0.08	14.3	33.9	2.05	729	1.19
ZZ12424		1.89	81.7	4.13	6.16	0.09	0.04	0.02	0.026	0.05	11.7	24.6	2.03	679	0.76
ZZ12425		2.18	60.1	4.39	5.75	0.10	0.03	0.02	0.027	0.10	17.1	25.8	0.92	467	1.23
ZZ12426		2.28	43.2	2.95	5.50	0.07	<0.02	0.03	0.022	0.06	10.7	16.6	0.47	234	1.10
ZZ12427		1.73	162.5	4.90	5.34	0.11	0.07	0.06	0.032	0.10	13.6	24.6	0.74	553	1.25
ZZ12428		1.30	51.0	3.28	3.91	0.09	<0.02	0.02	0.017	0.08	9.2	13.2	0.50	298	0.99
ZZ12429		1.39	82.5	4.46	5.41	0.10	0.05	0.04	0.030	0.07	15.7	25.3	0.65	727	1.22
ZZ12430		1.77	78.9	4.85	5.75	0.11	0.03	0.03	0.042	0.09	16.3	25.0	0.54	804	1.46
ZZ12431		3.03	176.0	5.61	6.90	0.11	0.03	0.05	0.075	0.10	17.8	28.6	0.61	1020	2.00
ZZ12432		1.60	116.5	3.66	4.31	0.09	<0.02	0.05	0.050	0.05	10.6	13.2	0.27	826	1.26
ZZ12433		2.14	24.4	3.06	4.68	0.09	<0.02	0.03	0.021	0.04	17.0	14.1	0.22	344	1.19
ZZ12434		1.68	31.5	2.42	3.21	0.10	0.11	0.04	0.031	0.04	18.9	12.7	0.21	611	0.60
ZZ12435		2.16	35.6	2.51	2.68	0.12	0.06	0.05	0.040	0.03	20.1	14.3	0.16	594	0.58



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
ZZ11696		0.58	29.7	390	18.1	7.2	<0.001	0.03	1.70	2.2	0.9	0.3	7.7	<0.01	0.06
ZZ11697		0.52	32.7	280	15.4	6.1	<0.001	0.02	1.55	2.5	0.7	0.2	9.2	<0.01	0.05
ZZ11698		0.40	25.1	370	17.9	6.9	<0.001	0.03	1.41	1.9	0.7	0.2	11.1	<0.01	0.06
ZZ11699		0.49	27.3	450	14.6	7.0	<0.001	0.02	1.35	2.0	0.8	0.2	9.0	<0.01	0.05
ZZ11700		0.29	19.3	720	28.1	4.6	<0.001	0.03	0.46	1.0	0.5	<0.2	10.9	<0.01	0.04
ZZ12401		0.51	30.6	410	20.9	10.4	<0.001	0.03	1.94	2.7	0.6	0.3	5.0	<0.01	0.06
ZZ12402		0.53	34.1	240	18.6	9.1	<0.001	0.02	2.16	3.2	0.6	0.2	4.8	<0.01	0.06
ZZ12403		0.74	22.2	450	16.2	12.1	<0.001	0.03	1.47	2.3	0.6	0.4	6.5	<0.01	0.06
ZZ12404		0.41	29.3	280	18.1	8.3	<0.001	0.02	1.30	2.5	0.5	0.2	32.2	<0.01	0.04
ZZ12405		0.25	11.7	1150	17.1	9.3	<0.001	0.06	0.69	0.6	0.9	0.6	14.0	<0.01	0.05
ZZ12406		0.97	27.5	580	20.4	11.8	<0.001	0.03	1.25	2.5	0.9	0.4	15.4	<0.01	0.06
ZZ12407		0.71	22.9	420	17.3	8.0	<0.001	0.02	1.36	2.0	0.7	0.3	9.9	<0.01	0.05
ZZ12408		0.15	3.0	350	5.5	4.6	<0.001	0.03	0.31	0.3	0.3	0.2	5.7	<0.01	0.02
ZZ12409		0.35	23.5	430	13.7	5.3	<0.001	0.02	0.89	1.7	0.5	0.2	7.0	<0.01	0.05
ZZ12410		0.30	17.3	510	11.0	6.5	<0.001	0.02	0.72	0.9	0.6	0.2	8.8	<0.01	0.04
ZZ12411		0.53	17.9	500	14.5	7.5	<0.001	0.03	1.09	1.3	0.7	0.3	9.4	<0.01	0.06
ZZ12412		0.37	22.6	430	15.9	5.4	<0.001	0.03	1.29	1.7	0.7	0.2	8.3	<0.01	0.05
ZZ12413		0.30	17.4	760	15.1	8.3	<0.001	0.04	0.85	0.8	0.7	0.3	8.4	<0.01	0.05
ZZ12414		0.38	31.8	550	18.4	9.3	<0.001	0.04	1.56	2.2	0.7	0.2	20.2	<0.01	0.08
ZZ12415		0.09	11.5	750	7.7	8.6	<0.001	0.04	0.75	0.4	0.4	0.2	27.7	<0.01	0.04
ZZ12416		0.50	31.2	460	16.9	10.4	<0.001	0.02	1.72	2.7	0.5	0.3	19.2	<0.01	0.07
ZZ12417		0.32	23.1	550	12.0	10.5	<0.001	0.03	1.14	1.5	0.4	0.2	10.2	<0.01	0.05
ZZ12418		0.40	30.5	620	32.7	7.2	<0.001	0.03	2.59	2.5	0.6	0.2	10.0	<0.01	0.08
ZZ12419		0.41	34.6	530	17.8	7.9	<0.001	0.05	1.61	2.4	0.7	0.2	18.7	<0.01	0.07
ZZ12420		0.49	42.4	930	15.3	13.0	<0.001	0.08	1.69	3.1	0.8	0.2	20.0	<0.01	0.07
ZZ12421		0.63	57.9	600	9.5	15.2	<0.001	0.04	1.11	3.8	0.4	0.3	5.6	<0.01	0.09
ZZ12422		0.52	51.4	680	7.4	11.8	<0.001	0.06	1.04	3.9	0.6	0.2	9.2	<0.01	0.06
ZZ12423		0.51	135.5	740	13.6	14.7	<0.001	0.05	1.39	7.2	0.8	0.3	13.2	<0.01	0.09
ZZ12424		0.42	118.0	620	10.6	8.4	<0.001	0.02	1.21	5.8	0.7	0.2	8.0	<0.01	0.08
ZZ12425		0.69	35.8	580	18.1	12.9	<0.001	0.03	2.43	3.5	0.8	0.3	13.7	<0.01	0.18
ZZ12426		0.74	18.6	500	10.2	12.5	<0.001	0.05	1.06	2.2	0.8	0.3	14.8	<0.01	0.10
ZZ12427		0.46	51.9	900	30.5	10.5	<0.001	0.13	3.64	4.2	2.2	0.2	34.6	<0.01	0.27
ZZ12428		0.64	23.9	490	17.3	9.0	<0.001	0.03	1.45	1.8	0.6	0.2	7.1	<0.01	0.14
ZZ12429		0.34	41.0	740	24.2	10.2	<0.001	0.04	4.69	3.7	1.3	0.3	16.3	<0.01	0.07
ZZ12430		0.38	37.8	840	25.8	12.7	<0.001	0.05	4.32	4.2	0.5	0.3	11.4	<0.01	0.07
ZZ12431		0.78	59.5	700	35.5	18.5	0.001	0.03	4.75	6.1	1.0	0.6	14.3	<0.01	0.06
ZZ12432		0.39	39.3	830	14.2	9.2	<0.001	0.05	4.74	2.4	1.1	0.3	7.7	<0.01	0.04
ZZ12433		0.26	16.2	980	20.9	8.0	<0.001	0.04	1.55	0.5	<0.2	0.3	9.0	<0.01	0.02
ZZ12434		0.38	17.7	940	23.3	6.9	<0.001	0.07	2.14	2.4	1.1	0.2	42.1	<0.01	0.04
ZZ12435		0.33	20.2	790	29.1	5.4	<0.001	0.06	2.63	3.0	1.4	0.2	43.6	0.01	0.04



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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LIMITED
 1016- 510 W HASTINGS ST
 VANCOUVER BC V6B 1L8

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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
ZZ11696		0.017	0.10	0.99	34	0.28	3.77	78	1.4
ZZ11697		0.020	0.09	1.24	29	0.21	4.76	78	1.5
ZZ11698		0.011	0.09	1.13	26	0.21	3.88	69	1.3
ZZ11699		0.015	0.08	1.12	28	0.27	3.99	73	1.4
ZZ11700		0.017	0.04	1.68	16	0.08	4.05	45	0.8
ZZ12401		0.019	0.12	0.47	39	0.14	3.09	58	<0.5
ZZ12402		0.015	0.12	0.57	36	0.17	3.53	65	1.9
ZZ12403		0.015	0.11	0.52	40	0.17	2.72	65	0.7
ZZ12404		0.010	0.09	0.63	26	0.09	4.78	61	1.1
ZZ12405		0.008	0.19	1.46	44	0.23	5.13	40	<0.5
ZZ12406		0.029	0.13	1.15	41	0.25	5.13	87	1.3
ZZ12407		0.022	0.10	1.02	32	0.18	3.76	59	0.7
ZZ12408		0.013	0.06	0.44	14	0.10	0.84	10	<0.5
ZZ12409		0.015	0.05	1.09	23	0.15	3.90	61	0.8
ZZ12410		0.014	0.06	0.93	23	0.16	3.11	46	<0.5
ZZ12411		0.030	0.07	0.84	34	0.22	3.69	48	<0.5
ZZ12412		0.017	0.06	1.20	23	0.28	5.22	59	0.6
ZZ12413		0.016	0.11	1.15	31	0.17	2.79	47	<0.5
ZZ12414		0.020	0.08	1.01	33	0.13	5.62	69	0.5
ZZ12415		0.010	0.09	0.44	24	0.07	1.55	29	<0.5
ZZ12416		0.027	0.09	0.80	43	0.13	4.70	67	<0.5
ZZ12417		0.018	0.08	0.64	32	0.10	3.64	48	<0.5
ZZ12418		0.022	0.08	1.08	30	0.11	5.63	66	0.8
ZZ12419		0.020	0.08	1.18	28	0.08	5.47	63	0.8
ZZ12420		0.023	0.11	1.16	46	0.15	8.67	75	1.0
ZZ12421		0.091	0.13	0.40	101	0.22	2.73	97	<0.5
ZZ12422		0.051	0.11	0.53	73	0.11	4.56	71	0.5
ZZ12423		0.037	0.14	0.75	92	0.12	8.67	94	0.5
ZZ12424		0.026	0.08	0.53	67	0.09	5.67	71	0.9
ZZ12425		0.025	0.11	0.58	46	0.10	4.66	86	0.8
ZZ12426		0.029	0.12	0.44	45	0.12	2.78	45	<0.5
ZZ12427		0.014	0.09	1.41	34	0.07	11.50	88	2.1
ZZ12428		0.022	0.08	0.40	30	0.07	2.57	55	<0.5
ZZ12429		0.015	0.08	0.74	37	0.12	6.14	89	1.4
ZZ12430		0.017	0.10	0.77	45	0.23	5.73	92	0.9
ZZ12431		0.032	0.18	1.01	63	0.29	10.45	106	0.8
ZZ12432		0.025	0.08	0.75	33	0.44	6.27	67	<0.5
ZZ12433		0.010	0.08	0.88	27	0.16	2.62	59	<0.5
ZZ12434		0.017	0.06	1.23	18	0.08	15.95	66	1.7
ZZ12435		0.015	0.05	1.18	13	0.06	17.65	69	1.8



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
ZZ12436		0.30	0.003	0.05	1.66	25.9	<0.2	<10	190	0.59	0.34	0.15	0.11	27.1	11.6	24
ZZ12437		0.20	0.002	0.10	1.10	21.1	<0.2	<10	150	0.35	0.25	0.34	0.12	19.80	8.4	15
ZZ12438		0.20	0.002	0.05	1.55	18.6	<0.2	<10	170	0.47	0.29	0.15	0.11	28.5	7.6	22
ZZ12439		0.18	0.001	0.05	1.52	12.7	<0.2	<10	180	0.48	0.27	0.18	0.10	24.1	7.5	21
ZZ11609		0.20	0.003	0.09	1.82	66.1	<0.2	<10	210	0.39	0.30	0.28	0.18	22.8	15.6	31
ZZ11610		0.10	0.002	0.27	0.27	3.0	<0.2	<10	100	0.08	0.06	0.99	0.26	6.17	2.7	6
ZZ11611		0.26	0.007	0.13	1.68	43.4	<0.2	<10	110	0.38	0.55	0.20	0.39	39.9	20.1	24
ZZ11612		0.20	0.003	0.11	1.75	62.2	<0.2	<10	220	0.40	0.27	0.52	0.37	21.9	20.1	67
ZZ11613		0.24	0.005	0.14	2.42	15.6	<0.2	<10	100	0.32	0.14	0.93	0.31	13.65	33.2	166
ZZ11614		0.24	0.005	0.14	1.75	49.2	<0.2	<10	110	0.31	0.20	0.28	0.25	21.9	26.8	85
ZZ11615		0.28	0.004	0.13	2.60	21.1	<0.2	<10	90	0.33	0.14	0.48	0.18	14.70	31.7	136
ZZ11616		0.22	0.003	0.25	1.68	78.8	<0.2	<10	150	0.28	0.28	0.24	0.23	18.40	15.2	47
ZZ11617		0.28	0.006	0.13	2.01	78.7	<0.2	<10	110	0.39	0.42	0.12	0.21	43.6	23.9	34
ZZ11618		0.40	0.010	0.25	2.33	240	<0.2	<10	190	0.53	0.54	0.24	0.22	32.5	23.5	40
ZZ11619		0.52	0.005	0.11	1.95	261	<0.2	<10	70	0.39	0.53	0.20	0.11	67.9	20.0	20
ZZ11620		0.24	0.007	0.16	1.87	212	<0.2	<10	140	0.52	0.67	0.10	0.26	29.5	20.0	22
ZZ11621		0.42	0.005	0.06	1.65	147.0	<0.2	<10	80	0.42	0.46	0.09	0.18	34.7	11.5	25
ZZ11622		0.24	0.003	0.10	1.74	80.7	<0.2	<10	80	0.51	0.56	0.06	0.15	32.6	11.1	22
ZZ11623		0.40	0.003	0.10	1.80	86.4	<0.2	<10	110	0.50	0.40	0.07	0.26	39.4	18.5	30
ZZ11624		0.16	0.005	0.11	0.31	12.6	<0.2	<10	30	0.10	0.14	0.08	0.29	9.62	2.5	6
ZZ11625		0.32	0.008	0.14	1.51	99.1	<0.2	<10	70	0.37	0.40	0.10	0.21	56.5	16.8	21
ZZ11626		0.38	0.016	0.11	1.35	108.5	<0.2	<10	70	0.38	0.35	0.14	0.25	57.0	18.4	20
ZZ11627		0.38	0.005	0.07	1.53	155.0	<0.2	<10	70	0.41	0.47	0.09	0.19	48.6	18.1	21
ZZ11628		0.40	0.010	0.09	1.69	245	<0.2	<10	120	0.42	0.48	0.08	0.18	55.0	17.8	25
ZZ11629		0.28	0.007	0.11	1.75	155.0	<0.2	<10	90	0.54	0.61	0.04	0.06	40.1	11.7	20
ZZ11630		0.36	0.007	0.22	1.96	250	<0.2	<10	220	0.49	0.53	0.25	0.22	27.6	13.8	34
ZZ11631		0.26	0.001	0.28	0.57	10.2	<0.2	<10	40	0.11	0.08	0.08	0.04	6.47	1.9	6
ZZ11632		0.40	0.004	0.15	2.05	30.5	<0.2	<10	140	0.33	0.18	0.34	0.21	21.4	21.4	108
ZZ11633		0.28	0.006	0.13	1.62	130.5	<0.2	<10	230	0.40	0.36	0.10	0.17	28.6	15.3	29
ZZ11634		0.22	0.007	0.11	1.50	180.5	<0.2	<10	90	0.31	0.35	0.04	0.19	30.7	15.9	26
ZZ11635		0.38	0.004	0.06	1.20	52.3	<0.2	<10	60	0.20	0.19	0.04	0.11	23.8	11.0	23
ZZ11636		0.30	0.008	0.11	1.81	68.9	<0.2	<10	140	0.39	0.29	0.29	0.18	28.4	18.3	56
ZZ11637		0.36	0.004	0.08	1.60	35.3	<0.2	<10	80	0.32	0.25	0.08	0.21	24.7	16.9	47
ZZ11638		0.42	0.005	0.16	1.55	46.6	<0.2	<10	100	0.33	0.53	0.12	0.23	41.3	16.1	21
ZZ11639		0.52	0.005	0.12	1.24	18.1	<0.2	<10	140	0.29	0.25	0.09	0.15	24.6	7.8	17
ZZ11640		0.24	0.004	0.04	1.79	22.1	<0.2	<10	50	0.18	0.34	0.07	0.14	27.2	14.7	72
ZZ11641		0.22	0.002	0.12	1.50	28.4	<0.2	<10	110	0.23	0.24	0.06	0.12	28.5	10.5	27
ZZ11642		0.20	0.005	0.14	1.56	48.2	<0.2	<10	320	0.43	0.34	0.26	0.21	29.0	13.9	27
ZZ11643		0.24	0.003	0.17	1.07	38.6	<0.2	<10	40	0.17	0.16	0.04	0.07	16.45	10.7	23
ZZ11644		0.32	0.005	0.15	1.80	34.6	<0.2	<10	160	0.45	0.27	0.18	0.24	34.9	18.9	39



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
ZZ12436		2.07	23.9	3.21	5.50	0.09	<0.02	0.03	0.034	0.06	15.1	18.0	0.38	1120	1.29
ZZ12437		1.68	18.3	2.62	4.08	0.08	<0.02	0.03	0.029	0.05	10.5	15.1	0.25	426	0.96
ZZ12438		2.06	21.9	2.72	5.57	0.10	<0.02	0.02	0.025	0.05	15.6	19.7	0.39	295	1.19
ZZ12439		1.68	18.2	2.59	6.05	0.09	<0.02	0.03	0.027	0.05	13.7	18.9	0.36	289	1.18
ZZ11609		1.99	54.6	4.20	6.31	0.09	<0.02	0.04	0.030	0.12	12.1	25.0	0.81	509	1.13
ZZ11610		0.30	23.4	0.64	0.87	0.07	0.02	0.09	0.006	0.04	3.8	0.6	0.07	59	0.37
ZZ11611		1.25	103.5	5.87	4.99	0.12	0.02	0.02	0.023	0.10	22.8	19.2	0.76	530	1.58
ZZ11612		1.37	59.6	3.66	5.15	0.09	0.02	0.05	0.027	0.08	10.7	20.1	0.80	866	1.18
ZZ11613		2.15	124.5	4.45	6.36	0.09	0.02	0.04	0.028	0.08	6.9	21.5	1.96	805	0.56
ZZ11614		1.48	101.0	4.33	5.00	0.12	0.02	0.03	0.030	0.09	10.3	22.5	1.16	556	0.77
ZZ11615		2.18	135.0	5.29	6.85	0.11	<0.02	0.02	0.024	0.15	7.3	27.6	1.96	643	0.57
ZZ11616		1.49	59.7	3.38	6.21	0.08	<0.02	0.05	0.024	0.10	9.9	15.2	0.68	720	1.02
ZZ11617		1.48	80.7	5.18	5.74	0.12	0.02	0.02	0.022	0.12	22.7	26.7	0.93	697	1.28
ZZ11618		1.94	75.0	5.24	6.83	0.12	<0.02	0.02	0.036	0.11	18.6	26.8	0.93	890	1.25
ZZ11619		0.89	50.7	4.39	5.57	0.12	0.03	0.01	0.017	0.05	37.2	28.7	0.85	647	0.97
ZZ11620		1.64	45.8	4.28	5.74	0.09	<0.02	0.03	0.025	0.06	16.1	25.1	0.56	852	1.28
ZZ11621		1.60	35.4	3.46	5.63	0.10	<0.02	0.02	0.025	0.05	19.4	19.1	0.47	345	1.52
ZZ11622		1.95	51.6	3.71	5.75	0.11	<0.02	0.04	0.024	0.06	17.5	25.1	0.50	262	1.63
ZZ11623		1.58	44.1	4.21	5.71	0.12	<0.02	0.04	0.024	0.08	20.4	28.1	0.61	588	1.50
ZZ11624		0.44	10.6	1.10	2.14	0.08	<0.02	0.05	0.005	0.04	5.3	1.8	0.06	69	0.59
ZZ11625		1.16	51.0	3.65	4.58	0.13	0.02	0.02	0.021	0.07	29.4	23.0	0.60	499	1.01
ZZ11626		0.95	58.0	3.34	4.07	0.14	0.03	0.01	0.012	0.08	30.0	21.7	0.59	522	0.86
ZZ11627		1.19	46.8	3.51	4.91	0.11	0.02	0.01	0.019	0.05	24.5	22.4	0.56	378	1.17
ZZ11628		1.27	46.2	4.12	5.14	0.13	<0.02	0.01	0.021	0.07	29.6	25.3	0.66	701	1.22
ZZ11629		1.84	51.4	4.09	5.65	0.11	0.03	0.03	0.019	0.05	20.8	26.5	0.53	326	1.43
ZZ11630		1.48	51.8	3.85	5.69	0.10	<0.02	0.02	0.025	0.10	15.3	21.3	0.71	459	0.99
ZZ11631		0.54	12.7	0.76	2.35	0.07	<0.02	0.01	0.006	0.03	3.6	2.8	0.08	61	0.39
ZZ11632		1.46	78.7	3.91	6.08	0.08	0.02	0.02	0.020	0.08	11.7	24.4	1.39	497	0.88
ZZ11633		1.39	58.3	4.08	6.16	0.09	0.02	0.01	0.029	0.11	14.2	19.9	0.63	457	1.46
ZZ11634		1.05	49.8	4.14	5.21	0.10	0.03	0.01	0.023	0.09	15.3	21.3	0.68	432	1.16
ZZ11635		0.82	34.9	2.87	4.52	0.08	0.02	<0.01	0.017	0.06	11.7	17.7	0.57	190	0.78
ZZ11636		1.22	83.2	4.14	5.36	0.10	0.06	0.01	0.026	0.07	14.2	22.0	1.02	393	1.23
ZZ11637		1.13	47.6	3.97	5.68	0.09	<0.02	0.01	0.022	0.06	12.2	22.1	0.72	488	1.22
ZZ11638		1.32	78.9	4.85	5.27	0.13	0.04	0.01	0.024	0.08	22.6	18.5	0.68	384	1.48
ZZ11639		1.25	34.8	2.61	4.99	0.08	0.02	0.02	0.021	0.06	12.6	14.8	0.30	232	1.41
ZZ11640		0.98	51.9	4.29	6.69	0.10	<0.02	0.01	0.023	0.03	13.1	20.3	1.06	350	1.40
ZZ11641		1.15	43.5	3.07	7.03	0.09	0.02	0.01	0.022	0.07	14.6	18.8	0.54	215	1.06
ZZ11642		1.22	46.7	3.53	5.16	0.09	0.03	0.04	0.024	0.09	14.4	22.7	0.53	401	1.12
ZZ11643		1.00	29.8	2.60	4.22	0.06	<0.02	0.02	0.011	0.06	8.3	13.1	0.47	321	0.78
ZZ11644		1.25	65.1	4.00	5.18	0.10	0.04	0.03	0.023	0.09	17.4	26.8	0.83	546	1.40



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

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CERTIFICATE OF ANALYSIS WH11149864

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
ZZ12436		0.44	21.0	770	23.2	11.9	<0.001	0.03	1.09	1.4	0.3	0.5	14.1	<0.01	0.05	0.7
ZZ12437		0.42	16.5	790	18.3	8.7	<0.001	0.06	0.99	1.1	0.8	0.4	24.3	<0.01	0.02	0.4
ZZ12438		0.37	19.9	620	17.1	12.9	<0.001	0.03	0.87	0.9	0.4	0.6	14.6	<0.01	0.05	0.4
ZZ12439		0.92	17.7	470	23.6	9.4	<0.001	0.03	0.64	1.9	0.6	0.6	15.2	<0.01	0.02	1.0
ZZ11609		0.33	31.2	970	20.3	16.2	<0.001	0.06	2.53	3.4	0.7	0.3	16.3	<0.01	0.07	1.1
ZZ11610		0.22	6.7	730	2.5	2.4	<0.001	0.17	0.21	0.8	0.4	<0.2	50.0	<0.01	0.02	0.4
ZZ11611		0.23	44.5	740	26.1	10.5	<0.001	0.07	2.06	3.0	1.0	0.2	13.4	<0.01	0.29	7.1
ZZ11612		0.48	43.4	850	16.3	12.4	<0.001	0.07	2.03	2.8	0.3	0.3	11.1	<0.01	0.05	2.0
ZZ11613		0.32	108.5	900	6.7	12.7	<0.001	0.10	0.71	6.1	0.4	0.2	14.9	<0.01	0.05	1.0
ZZ11614		0.28	75.0	450	12.4	11.0	<0.001	0.03	1.96	4.9	0.3	0.2	8.6	<0.01	0.04	2.7
ZZ11615		0.33	104.0	510	9.0	19.8	<0.001	0.04	0.99	5.3	0.7	0.2	10.3	<0.01	0.04	2.0
ZZ11616		0.43	33.9	1160	18.7	11.8	<0.001	0.11	1.52	1.2	0.5	0.3	12.6	<0.01	0.06	0.3
ZZ11617		0.34	47.6	600	39.0	13.8	<0.001	0.08	1.82	2.6	0.4	0.2	18.3	<0.01	0.07	5.6
ZZ11618		0.42	45.8	830	53.9	18.3	<0.001	0.04	2.28	2.6	0.6	0.4	27.7	<0.01	0.07	1.8
ZZ11619		0.13	43.6	580	27.1	7.1	<0.001	0.02	1.82	1.9	0.7	0.2	21.9	<0.01	0.04	12.9
ZZ11620		0.34	34.0	960	32.8	10.4	<0.001	0.09	1.12	1.1	1.0	0.3	24.2	<0.01	0.03	1.4
ZZ11621		0.39	28.9	700	18.9	9.9	<0.001	0.03	1.32	1.3	0.5	0.4	14.0	<0.01	0.03	0.9
ZZ11622		0.41	32.6	760	23.3	10.5	<0.001	0.06	1.22	1.3	0.8	0.3	15.8	<0.01	0.04	1.7
ZZ11623		0.48	35.8	690	35.9	12.5	<0.001	0.04	1.64	1.9	0.8	0.4	11.1	<0.01	0.04	2.8
ZZ11624		0.19	5.4	720	5.1	2.8	0.001	0.06	0.34	0.2	<0.2	0.2	8.3	<0.01	0.01	<0.2
ZZ11625		0.45	33.7	670	28.4	8.9	<0.001	0.02	2.23	2.1	0.5	0.2	13.5	<0.01	0.03	7.0
ZZ11626		0.39	41.9	680	36.5	9.0	<0.001	<0.01	3.48	2.5	0.3	0.2	13.0	<0.01	0.03	10.5
ZZ11627		0.42	35.6	670	25.9	8.4	<0.001	0.02	1.94	1.5	0.6	0.3	12.2	<0.01	0.03	4.5
ZZ11628		0.37	37.2	700	23.9	10.3	<0.001	0.02	1.55	2.5	0.5	0.3	12.3	<0.01	0.03	5.4
ZZ11629		0.30	25.2	720	29.3	10.0	<0.001	0.05	1.36	1.3	0.3	0.3	14.9	<0.01	0.05	2.8
ZZ11630		0.32	36.1	880	33.6	17.2	<0.001	0.05	1.98	1.6	0.4	0.3	26.6	<0.01	0.02	0.8
ZZ11631		0.11	5.3	630	5.1	5.0	<0.001	0.04	0.27	0.2	<0.2	0.2	8.6	<0.01	0.02	<0.2
ZZ11632		0.29	74.3	670	10.1	11.3	<0.001	0.05	1.19	3.8	0.7	0.2	9.2	<0.01	0.04	1.6
ZZ11633		0.37	32.6	760	19.3	18.3	<0.001	0.03	2.90	3.2	0.7	0.3	10.9	<0.01	0.09	2.3
ZZ11634		0.47	31.3	460	24.5	11.7	<0.001	0.02	2.71	2.7	0.6	0.2	8.1	<0.01	0.08	4.9
ZZ11635		0.31	24.4	410	10.5	8.1	<0.001	0.01	1.86	2.6	0.4	0.2	6.0	<0.01	0.06	2.6
ZZ11636		0.38	54.8	460	15.0	10.2	<0.001	0.02	2.16	4.4	1.0	0.2	12.7	<0.01	0.12	4.3
ZZ11637		0.68	33.9	500	13.8	11.0	<0.001	0.02	1.69	2.6	0.6	0.3	8.1	<0.01	0.10	2.6
ZZ11638		0.29	33.1	650	24.5	13.0	<0.001	0.06	1.95	2.9	1.4	0.2	15.2	<0.01	0.28	5.3
ZZ11639		0.28	18.8	800	11.2	12.2	<0.001	0.02	1.30	1.1	0.7	0.3	10.8	<0.01	0.07	0.5
ZZ11640		0.65	45.2	550	13.7	7.4	<0.001	0.02	1.07	2.3	0.7	0.2	7.5	<0.01	0.22	1.8
ZZ11641		0.41	25.4	510	9.5	10.1	<0.001	0.02	2.13	2.8	0.5	0.3	7.6	<0.01	0.07	1.7
ZZ11642		0.54	29.3	670	13.1	11.0	<0.001	0.04	2.49	3.4	0.8	0.3	13.8	<0.01	0.06	2.6
ZZ11643		0.31	18.2	390	7.7	7.8	<0.001	0.03	1.24	1.3	0.4	0.2	4.4	<0.01	0.03	0.4
ZZ11644		0.52	41.3	580	14.2	11.0	<0.001	0.03	2.04	3.9	0.7	0.3	12.2	<0.01	0.05	4.1



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

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Sample Description	Method Analyte Units LOR	ME- 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
ZZ12436		0.022	0.12	0.98	45	0.24	5.82	78	<0.5
ZZ12437		0.018	0.10	0.67	31	0.19	4.29	57	<0.5
ZZ12438		0.021	0.13	0.73	43	0.38	3.66	62	<0.5
ZZ12439		0.033	0.15	0.64	48	0.30	5.19	49	<0.5
ZZ11609		0.039	0.13	0.59	66	0.12	4.52	80	<0.5
ZZ11610		0.015	0.03	0.23	11	<0.05	1.89	25	0.8
ZZ11611		0.016	0.09	0.86	37	0.08	7.36	93	0.9
ZZ11612		0.017	0.13	0.44	48	0.15	3.61	71	0.7
ZZ11613		0.034	0.10	0.38	83	0.10	5.36	74	0.5
ZZ11614		0.032	0.08	0.43	58	0.09	4.39	75	0.6
ZZ11615		0.061	0.14	0.37	89	0.18	4.70	83	<0.5
ZZ11616		0.019	0.14	0.60	54	0.12	3.85	60	<0.5
ZZ11617		0.028	0.13	1.07	43	0.09	5.62	94	0.5
ZZ11618		0.027	0.15	0.91	58	0.13	9.04	94	<0.5
ZZ11619		0.006	0.06	1.41	19	0.05	9.14	86	1.1
ZZ11620		0.014	0.12	1.99	29	0.18	6.74	79	0.7
ZZ11621		0.030	0.11	1.55	41	0.26	4.52	73	<0.5
ZZ11622		0.025	0.10	2.31	32	0.18	5.02	71	0.8
ZZ11623		0.025	0.12	1.12	43	0.35	4.21	86	<0.5
ZZ11624		0.016	0.03	0.52	21	0.06	0.73	27	<0.5
ZZ11625		0.026	0.08	1.49	29	0.12	6.61	82	0.6
ZZ11626		0.030	0.10	1.67	27	0.12	8.73	84	1.8
ZZ11627		0.022	0.09	1.42	29	0.14	5.28	76	0.5
ZZ11628		0.027	0.10	1.69	35	0.19	7.12	83	<0.5
ZZ11629		0.014	0.10	1.95	25	0.18	5.14	66	0.6
ZZ11630		0.017	0.16	0.77	46	0.21	6.31	77	<0.5
ZZ11631		0.012	0.06	0.38	13	<0.05	1.61	12	<0.5
ZZ11632		0.028	0.11	0.48	64	0.10	4.64	68	0.5
ZZ11633		0.019	0.13	0.64	51	0.14	4.74	85	<0.5
ZZ11634		0.020	0.10	0.55	39	0.12	3.95	85	1.0
ZZ11635		0.017	0.07	0.41	34	0.13	2.77	55	0.6
ZZ11636		0.015	0.09	0.65	43	0.10	6.65	76	1.6
ZZ11637		0.024	0.08	0.41	48	0.16	2.85	65	<0.5
ZZ11638		0.014	0.11	0.92	33	0.08	7.78	78	1.0
ZZ11639		0.011	0.11	0.63	32	0.19	3.37	54	<0.5
ZZ11640		0.034	0.06	0.57	49	0.14	2.99	66	<0.5
ZZ11641		0.015	0.11	0.47	52	0.16	2.91	58	<0.5
ZZ11642		0.018	0.10	0.65	44	0.24	4.76	74	0.6
ZZ11643		0.033	0.07	0.35	42	0.11	1.47	43	<0.5
ZZ11644		0.028	0.10	0.89	50	0.23	5.47	93	0.9



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

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 1016- 510 W HASTINGS ST
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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- TL43 Au ppm 0.001	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
ZZ11645		0.28	0.005	0.42	1.30	87.0	<0.2	<10	150	0.32	0.33	0.11	0.19	20.8	10.1	24
ZZ11646		0.20	0.007	0.44	1.85	101.0	<0.2	<10	540	0.61	0.30	0.92	0.75	20.2	15.2	34
ZZ11647		0.28	0.006	0.52	1.88	129.5	<0.2	<10	320	0.54	0.35	0.45	0.19	22.9	23.7	31
ZZ11648		0.24	0.007	0.36	2.00	275	<0.2	<10	260	0.63	0.59	0.41	0.21	29.8	17.4	28
ZZ11649		0.26	0.003	0.35	1.24	55.3	<0.2	<10	80	0.23	0.25	0.06	0.09	23.7	7.1	25
ZZ11650		0.36	0.004	0.15	1.51	80.5	<0.2	<10	160	0.35	0.41	0.08	0.12	28.0	13.1	31
ZZ12451		0.18	0.002	0.04	0.80	22.4	<0.2	<10	70	0.13	0.23	0.03	0.04	29.6	3.3	12
ZZ12452		0.26	0.004	0.41	1.76	43.4	<0.2	<10	390	0.53	0.32	0.30	0.23	28.8	17.2	43



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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
ZZ11645		1.54	43.3	3.17	5.54	0.07	<0.02	0.04	0.025	0.11	9.9	11.7	0.36	304	1.78
ZZ11646		1.59	71.4	3.51	5.39	0.09	0.06	0.06	0.031	0.14	11.1	20.0	0.58	672	1.43
ZZ11647		1.39	52.4	3.61	5.77	0.08	0.03	0.05	0.028	0.11	12.6	16.8	0.52	1150	1.58
ZZ11648		1.61	44.9	3.96	6.11	0.10	0.06	0.05	0.026	0.07	16.0	25.8	0.63	785	1.51
ZZ11649		0.97	24.5	2.46	4.69	0.07	<0.02	0.05	0.015	0.05	12.1	14.3	0.44	168	1.07
ZZ11650		1.43	34.8	3.63	5.53	0.08	<0.02	0.04	0.024	0.07	13.9	19.0	0.51	424	1.76
ZZ12451		1.12	11.9	1.28	5.35	0.05	<0.02	0.03	0.012	0.05	14.9	3.0	0.08	87	1.28
ZZ12452		1.33	47.4	3.59	4.86	0.09	0.02	0.08	0.023	0.10	14.3	27.0	0.71	523	1.71



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

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

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 Total # Pages: 5 (A - D)
 Plus Appendix Pages
 Finalized Date: 20- SEP- 2011
 Account: F**

Project: Lansing - Leroy

CERTIFICATE OF ANALYSIS WH11149864

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
ZZ11645		0.33	23.4	840	13.8	15.5	<0.001	0.05	2.81	1.5	0.8	0.4	9.8	<0.01	0.07
ZZ11646		0.62	41.0	1060	16.5	18.1	<0.001	0.11	2.59	3.9	1.2	0.4	53.7	<0.01	0.07
ZZ11647		0.46	28.9	1190	27.6	18.5	<0.001	0.08	2.09	2.4	1.0	0.4	35.8	<0.01	0.06
ZZ11648		0.59	32.0	1110	28.5	15.2	<0.001	0.08	1.85	2.3	1.0	0.4	35.9	0.01	0.06
ZZ11649		0.35	19.4	610	12.8	9.8	<0.001	0.04	1.22	1.1	0.6	0.3	7.5	<0.01	0.04
ZZ11650		0.49	27.1	660	19.4	14.2	<0.001	0.04	2.01	1.8	0.9	0.5	10.3	<0.01	0.05
ZZ12451		0.24	6.9	430	7.0	9.5	<0.001	0.02	1.11	0.6	0.4	0.5	6.0	<0.01	0.04
ZZ12452		0.42	43.3	780	17.2	11.3	<0.001	0.04	1.80	3.1	1.5	0.3	24.1	<0.01	0.05



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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
ZZ11645		0.017	0.13	0.71	51	0.20	2.84	72	<0.5
ZZ11646		0.023	0.14	1.28	51	0.19	9.38	127	1.6
ZZ11647		0.019	0.16	1.40	49	0.21	8.16	83	0.5
ZZ11648		0.017	0.15	2.04	39	0.22	9.04	88	1.4
ZZ11649		0.021	0.10	0.78	37	0.20	2.39	49	<0.5
ZZ11650		0.023	0.13	1.00	47	0.26	3.30	73	<0.5
ZZ12451		0.012	0.11	0.40	39	0.22	1.63	25	<0.5
ZZ12452		0.022	0.12	1.38	46	0.25	6.15	101	<0.5



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CERTIFICATE OF ANALYSIS WH11149864

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



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CERTIFICATE WH11149868

Project: Lansing- Leroy

P.O. No.:

This report is for 3 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

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11149868

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
K976775		0.31	0.018	0.03	0.18	182.5	<0.2	<10	10	0.08	0.07	0.02	0.21	2.23	4.8	12
K976776		0.45	<0.005	0.02	0.44	44.6	<0.2	<10	20	0.14	0.08	0.01	0.01	16.50	1.7	22
K976777		0.33	0.013	0.03	0.32	117.5	<0.2	<10	60	0.13	0.05	0.02	0.02	17.05	1.6	22



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[illegible]

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



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		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
K976775		<0.05	7.1	90	2.2	1.5	<0.001	0.01	0.89	0.3	<0.2	<0.2	3.1	<0.01	0.02	1.0
K976776		<0.05	4.3	100	2.0	2.4	<0.001	0.01	0.35	0.5	<0.2	<0.2	4.1	<0.01	0.02	4.2
K976777		0.06	4.1	60	1.8	7.0	0.001	0.10	0.80	0.4	<0.2	<0.2	4.1	<0.01	0.01	3.3



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		0.005	0.02	0.05	1	0.05	0.05	2	0.5
K976775		<0.005	<0.02	0.42	3	<0.05	2.00	21	0.9
K976776		<0.005	<0.02	0.59	4	<0.05	0.60	14	3.4
K976777		<0.005	<0.02	0.31	3	<0.05	1.18	7	1.1



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

4201231

Statement of Expenditures
Leroy 1-52 Mineral Claims
August 29, 2011

Labour

R. Drechsler (camp manager) July 30 – 1 day @ \$680/day	\$ 761.60
S. Eaton (geologist) July 30 – 1 day @ \$680/day	761.60
M. Kammerer (field assistant) June 10 to 12 – 1 1/2 days @ \$552/day	927.36
D. Bailey (field assistant) June 10 to 12 – 1 1/2 days @ \$376/day	631.68
S. Dosch (field assistant) June 10 to 12 – 1 1/2 days @ \$344/day	577.92
S. Wedge (field assistant) July 30 – 1 day @ \$344/day	<u>385.28</u>
	4,045.44

Expense

Field room and board – 7 1/2 days @ \$125/day	1,050.00
Trans North Helicopters – 3.5 hrs Bell 206 @ \$990/hr plus fuel	4,330.20
ALS Chemex	<u>5,643.38</u>
	11,023.58

Total	<u>\$15,069.02</u>
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