

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

LISA PROPERTY

Lisa 1-36 YD29801- YD29836

NTS 105N/02

Latitude 63°08'N; Longitude 132°34'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

November 2011

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INTRODUCTION

The Lisa property is located in east-central Yukon and covers the headwaters of a creek that yielded regionally anomalous arsenic, bismuth and antimony values from a government stream sediment sample. 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 13 and July 31, 2011 by Archer, Cathro and Associates (1981) Limited on behalf of New Dimension. The author interpreted all data from this project and his Statement of Qualifications is in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Lisa property is located in east-central Yukon at latitude 63°08' north and longitude 132°34' west on NTS map sheet 105N/02 (Figure 1). It comprises 36 contiguous quartz claims that cover an area of about 700 hectares (7 km²). 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>
Lisa 1-36	YD29801- YD29836	March 31, 2015*

* 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 110 km to the southwest. 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 the mid-1950s, Prospectors Airways Ltd. found copper-bearing float one kilometre southwest of the Lisa property (Minfile occurrence 105N 006 – Figure 2). In 1967, Atlas Exploration Ltd. inspected the showing on behalf of the Hess Project (a joint venture with Phillip Brothers (Canada) Ltd. and Quebec Cartier Mining Company) but no claims were staked (Deklerk and Traynor, 2005).

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). A sample collected from a creek draining the Lisa property returned 99th percentile arsenic (250 ppm) and bismuth (4.5 ppm) values and a 90th percentile antimony (5.5 ppm) value for that map sheet.

No further record of work in this area could be found.

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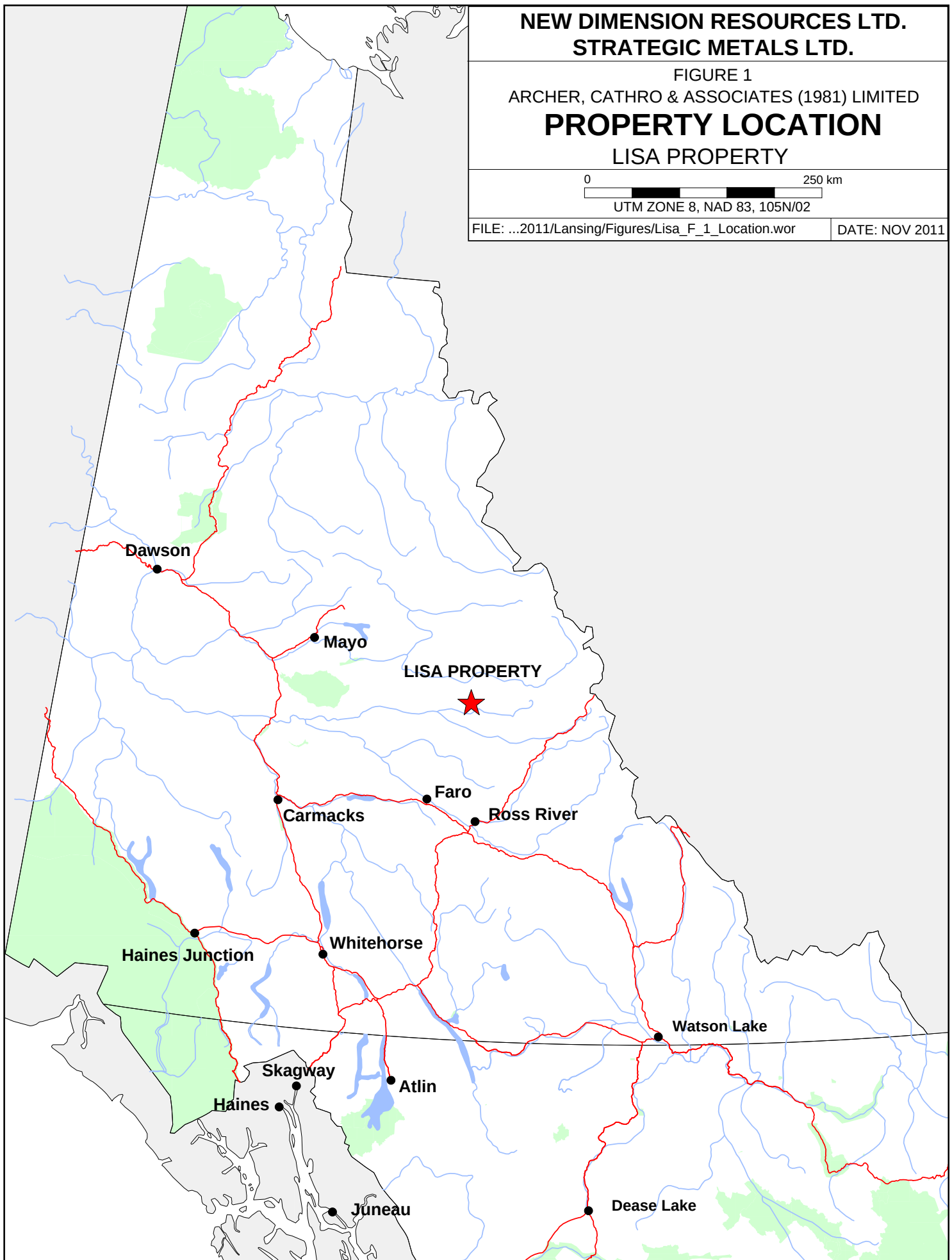
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

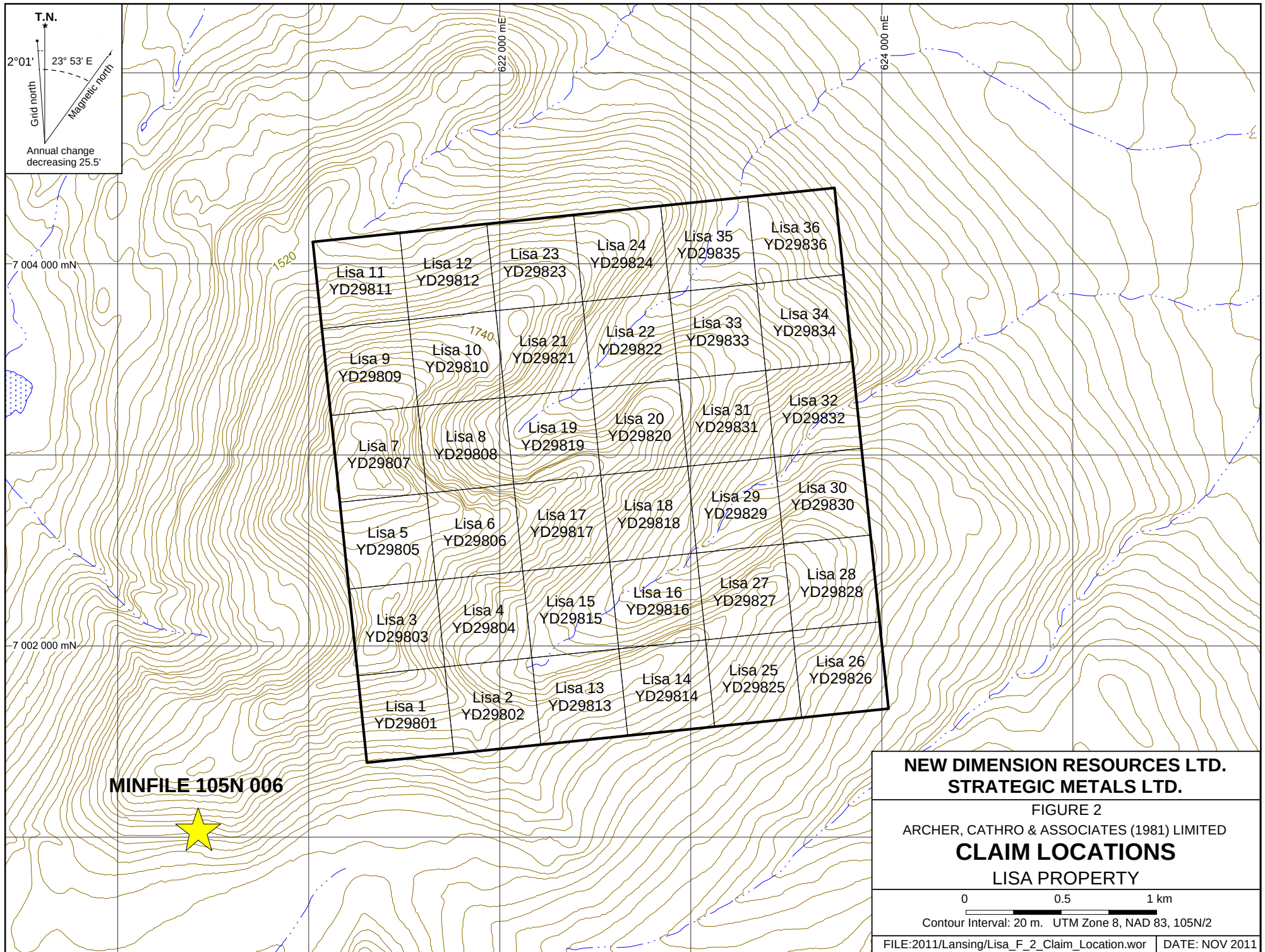
PROPERTY LOCATION
LISA PROPERTY

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

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DATE: NOV 2011





GEOMORPHOLOGY AND CLIMATE

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

The property covers a northerly trending ridge and three parallel sub-ridges that extend to the northeast. The terrain is rugged, with local elevations ranging from about 1140 to 2020 m above sea level (asl). One third of the property lies below treeline, which is at approximately 1500 m asl. Slopes above that elevation are characterized by talus, cliffy outcrop and alpine vegetation primarily comprising low grasses and staghorn moss. The density and size of vegetation gradually increases on lower slopes. 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 Lisa 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.

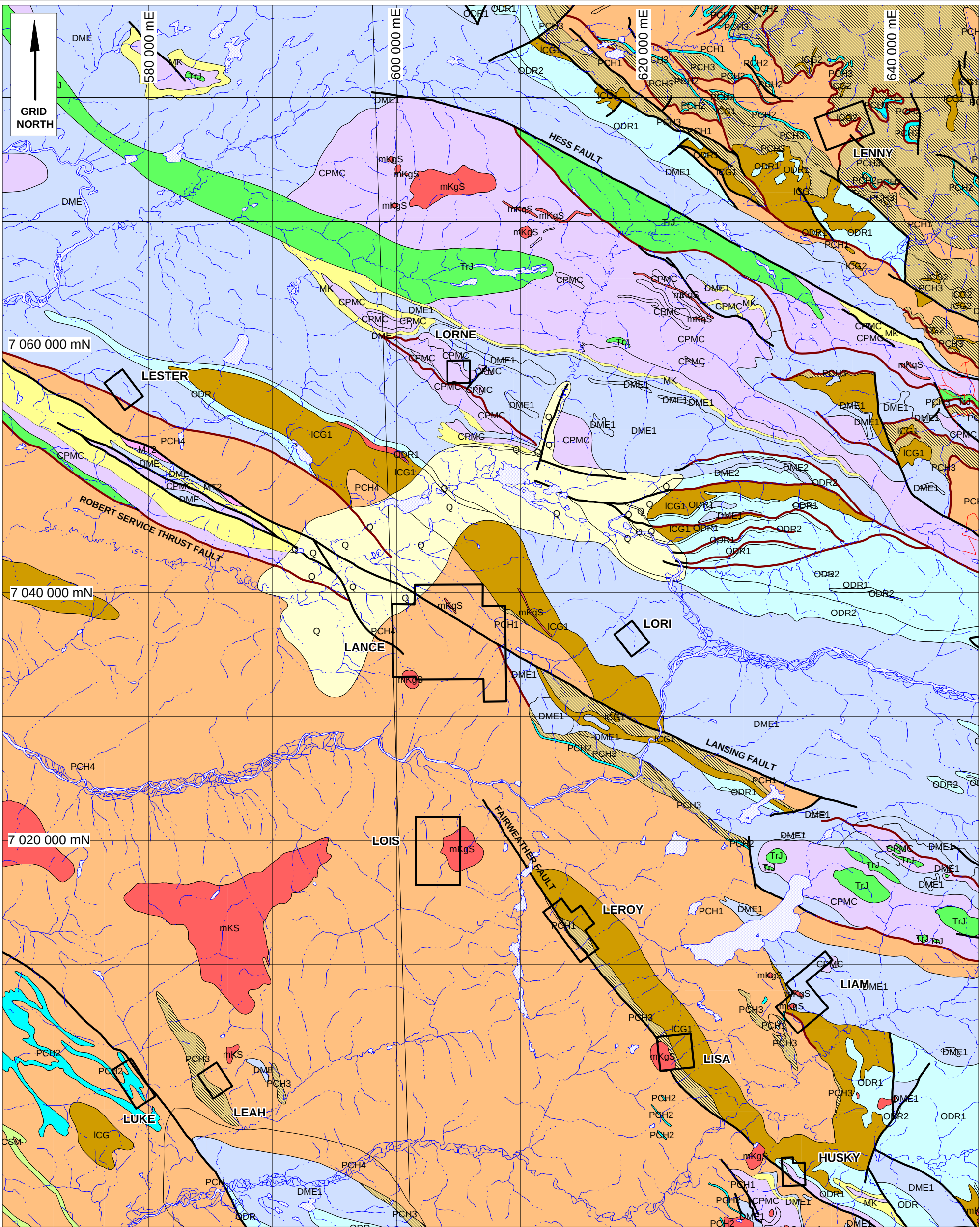
GEOLOGY

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 Lisa 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.

After Nelson and Colpron, 2007



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**FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**

REGIONAL GEOLOGY

LISA PROPERTY

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

FILE: ...2011\Lansing\Figures\Geology.wor DATE: 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)

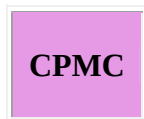
MIDDLE TO UPPER TRIASSIC



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)

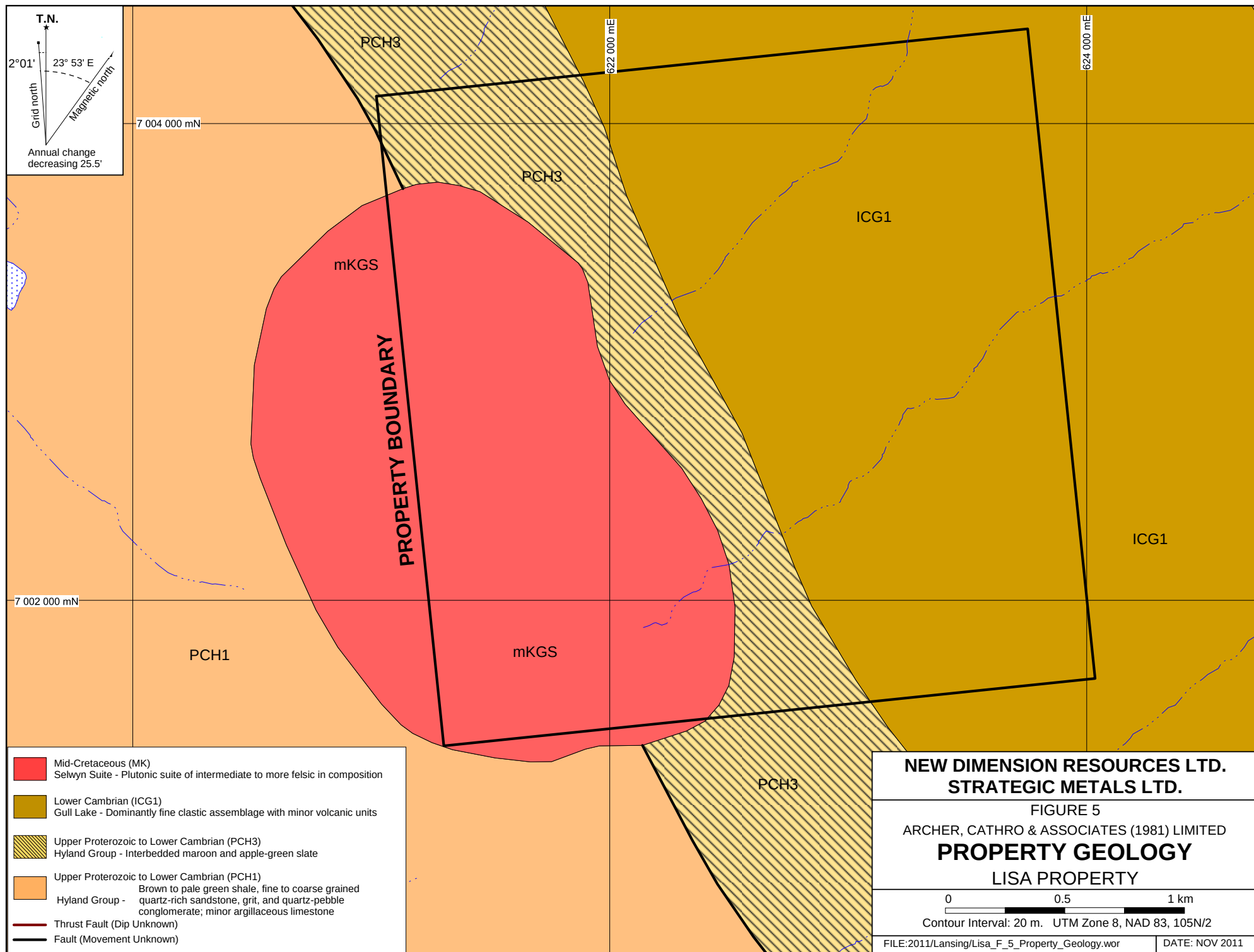
Table I – Lithological Units (after Gordey and Makepeace, 2003)

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 southwest part of the Lisa 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 property covers a section of the Fairweather Fault that has been cut by a 750 by 1300 m Selwyn Suite plug (Figure 5). The plug intrudes Hyland Group siliciclastic rocks (PCH1) to the west and maroon and green slate (PCH3) to the east. These units are juxtaposed against each other along the Fairweather Fault. Gull Lake Formation (ICG1) conformably overlies PCH3 to the east.



MINERALIZATION

In 1967, Atlas Exploration examined a skarn showing hosted in Hyland Group metasedimentary rocks on the southwest margin of the Selwyn Suite plug that partially underlies the Lisa property. The skarn horizon is 150 m wide and hosts patchy chalcopyrite and pyrrhotite. Grab samples from the horizon averaged less than 0.5% copper.

In 2011, New Dimension collected 8 rock samples between the central and northern sub-ridges on the property and 1 sample on the southeast-facing slope of the central ridge. Sample locations are illustrated on Figure 6, while results for arsenic, gold, antimony, bismuth, copper and tungsten are illustrated thematically on Figures 7 to 12, respectively. Rock Sample Descriptions appear in Appendix II and Certificates of Analysis are given in Appendix III.

Rock 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 then a 250 g split was pulverized to better than 85% passing 75 microns. The fine fraction was analyzed for 51 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS41). An additional 25 g charge was further analysed for gold by aqua regia digestion with inductively coupled plasma mass spectroscopy finish (Au-TL44).

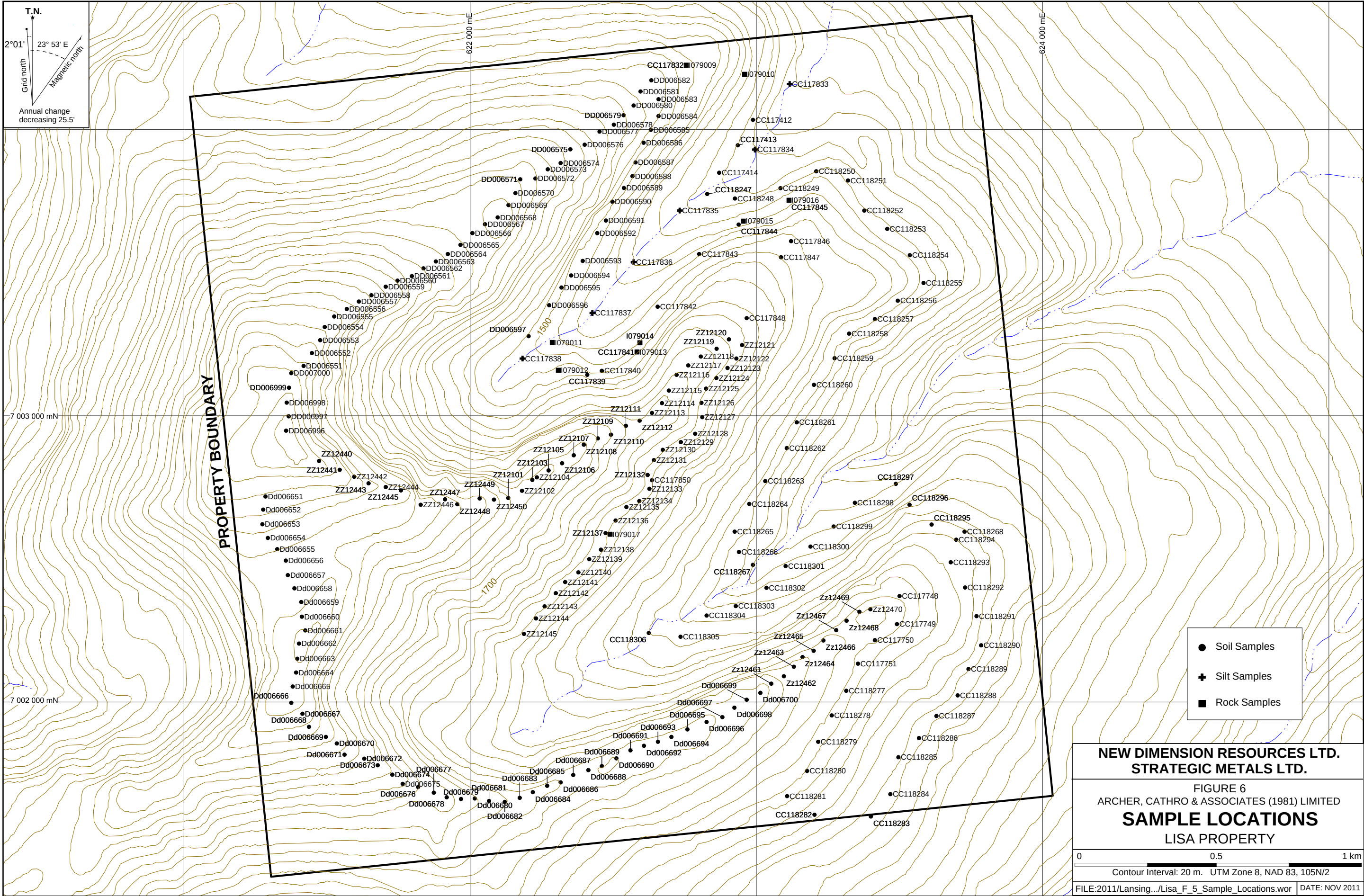
Rock samples collected on the property in 2011 generally comprise variably rusty quartzite and silicified siltstone. Trace to weak, fine grained sulphides (pyrite) are disseminated throughout the metasedimentary rocks and are locally hosted within micro-fractures. The samples returned subdued results, with peak values of 0.017 g/t gold, 343 ppm arsenic, 10.2 ppm antimony, 0.49 ppm bismuth, 67.4 ppm copper and 1.19 ppm tungsten.

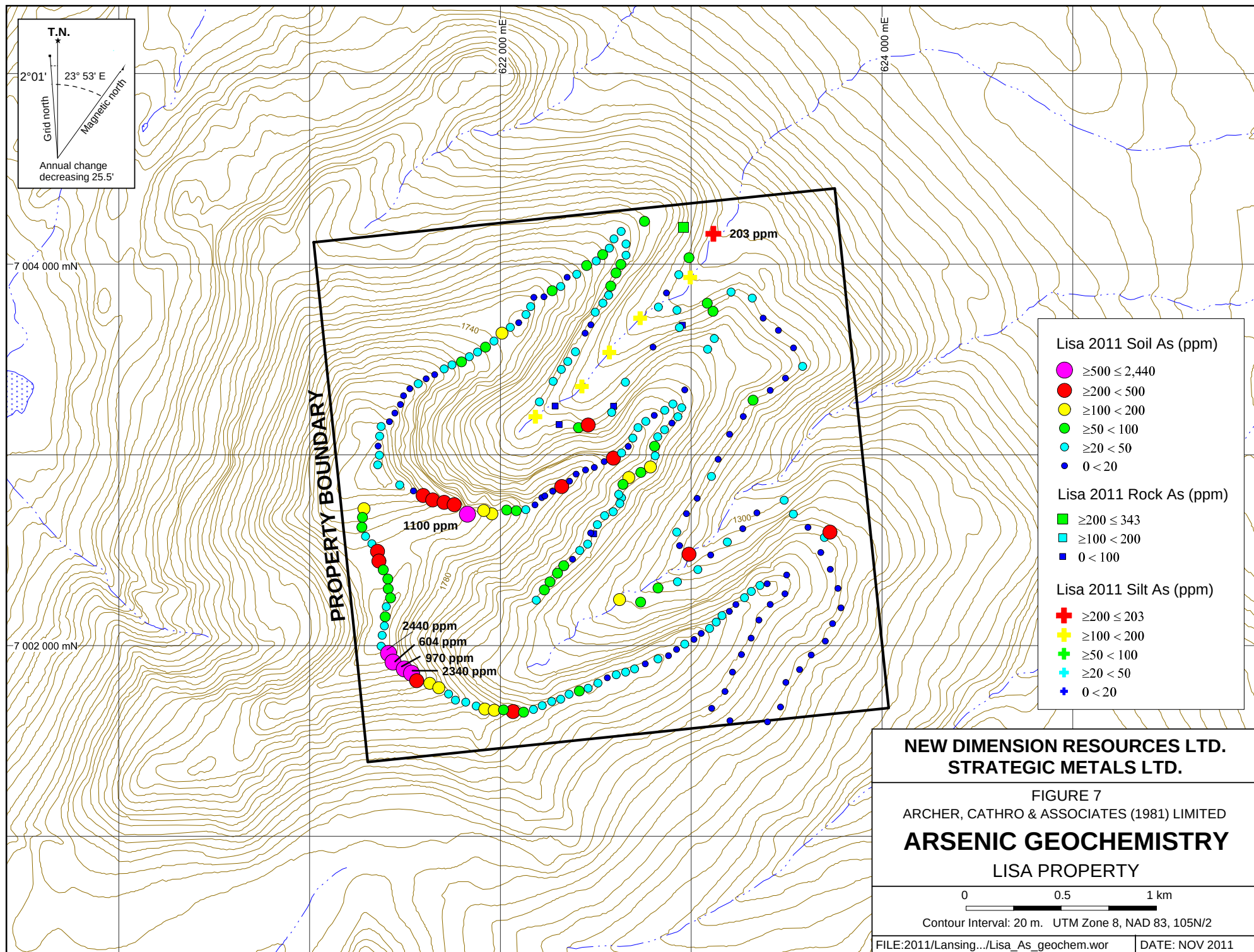
STREAM SEDIMENT AND SOIL GEOCHEMISTRY

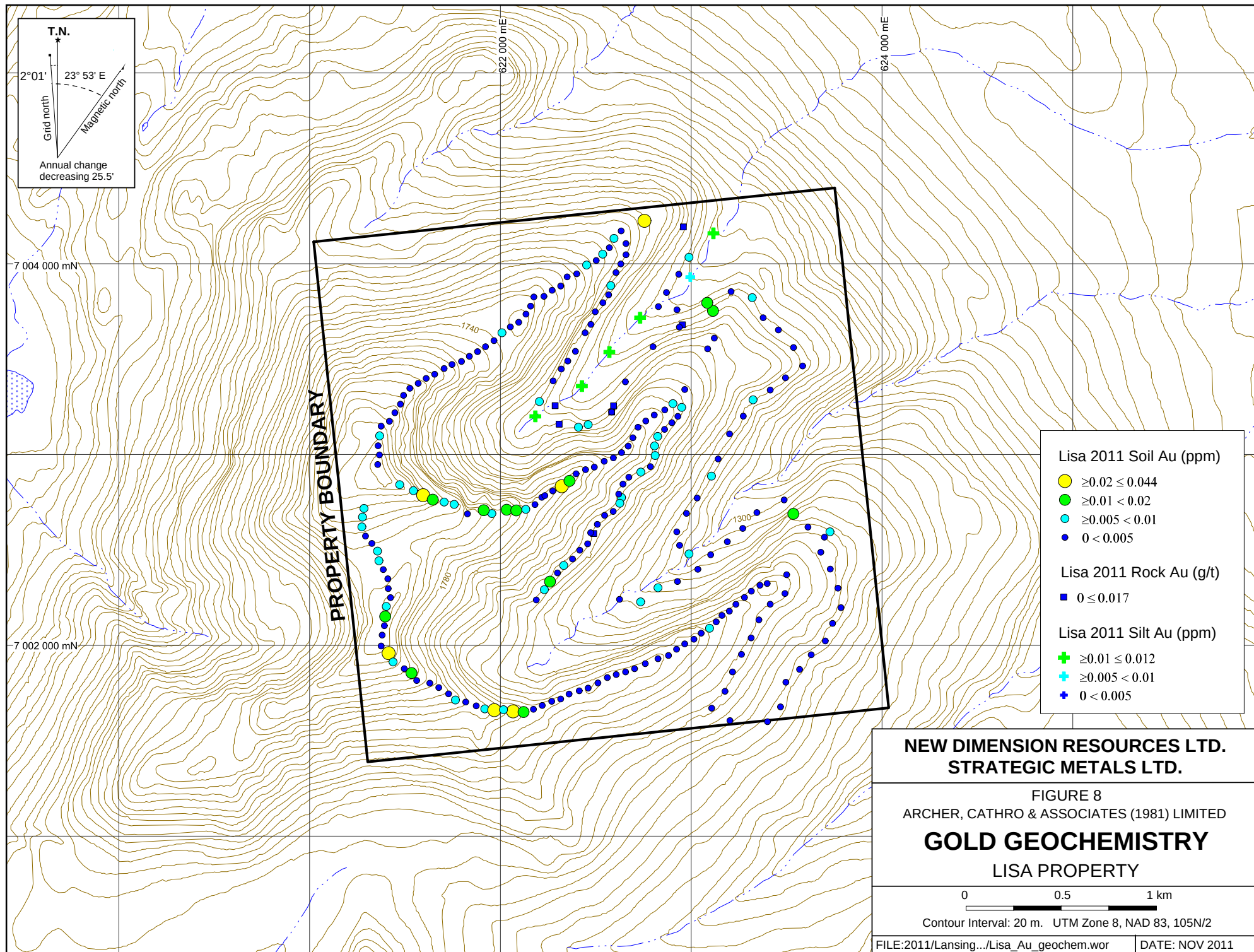
Regional stream sediment samples collected by the GSC from creeks draining the east-central part of the property yielded anomalous arsenic, bismuth and antimony values (Day et al, 2009).

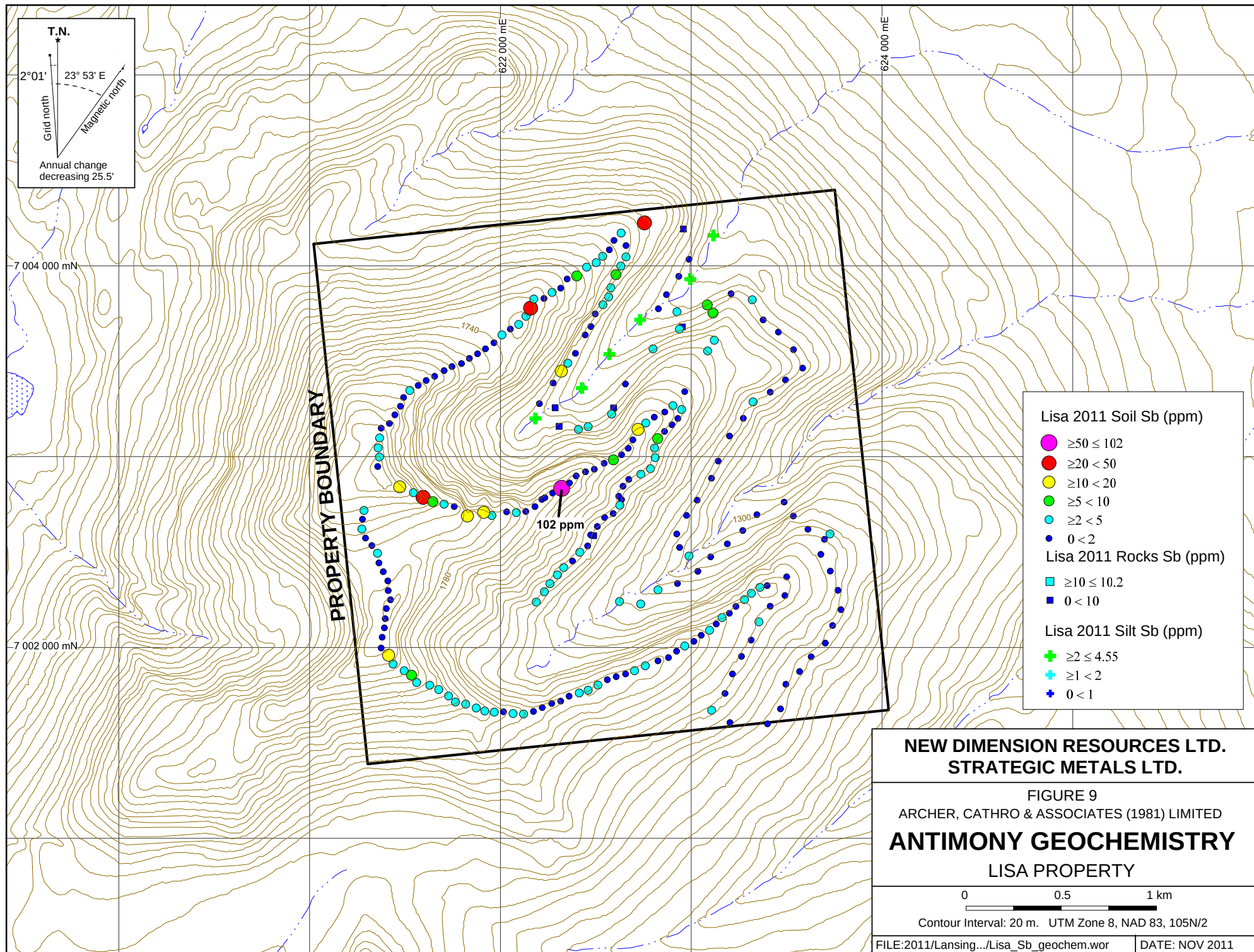
In 2011, New Dimension collected 6 stream sediment and 239 contour soil samples on the property. Sample locations are plotted on Figure 6, while results for arsenic, gold, antimony, bismuth, copper and tungsten are illustrated thematically on Figures 7 to 12, respectively. Certificates of Analysis are provided in Appendix III.

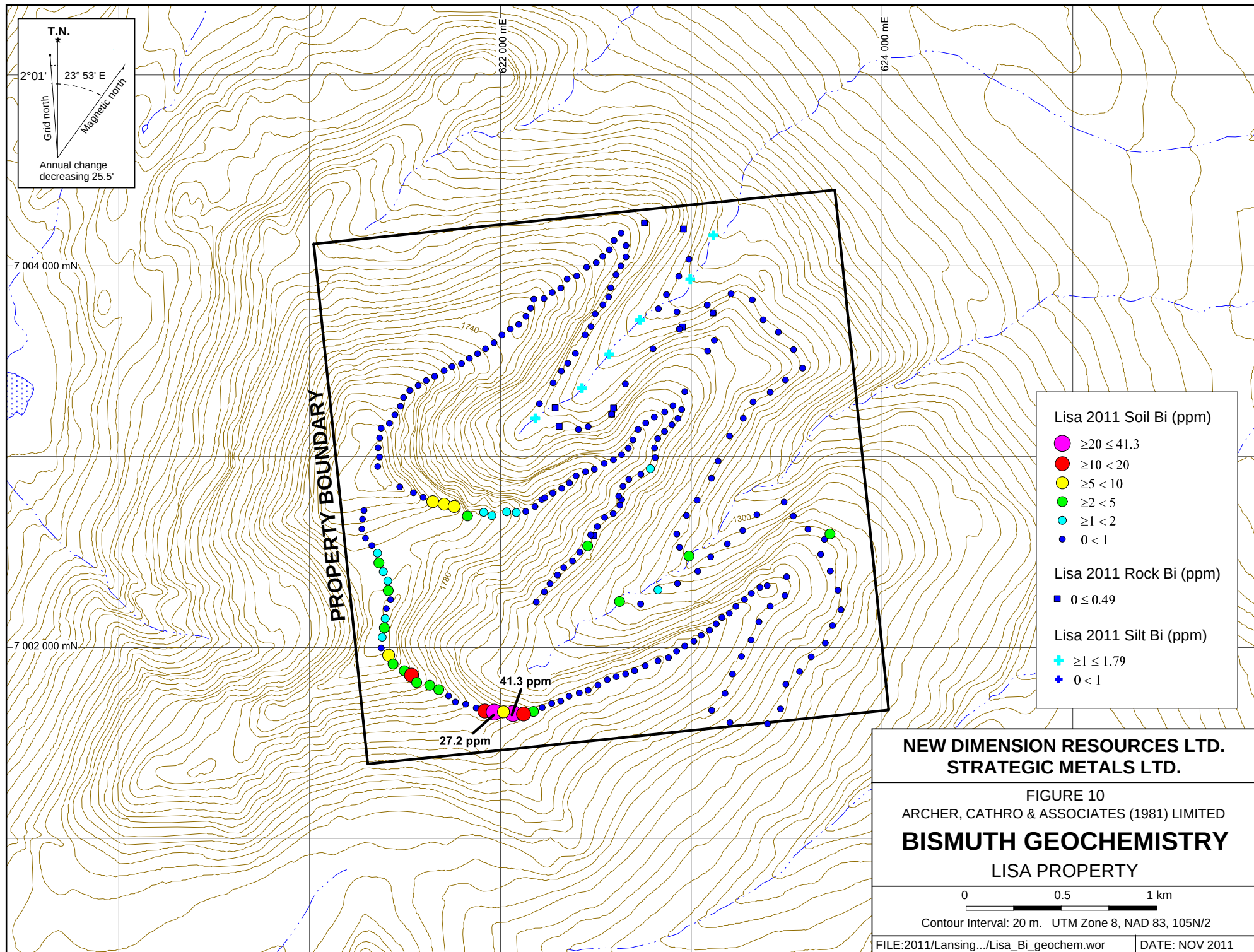
Stream sediment samples were collected from creeks by hand, while soil samples were collected from 10 to 40 cm deep holes dug by hand-held auger. All samples were placed into individually pre-numbered Kraft paper bags. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed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

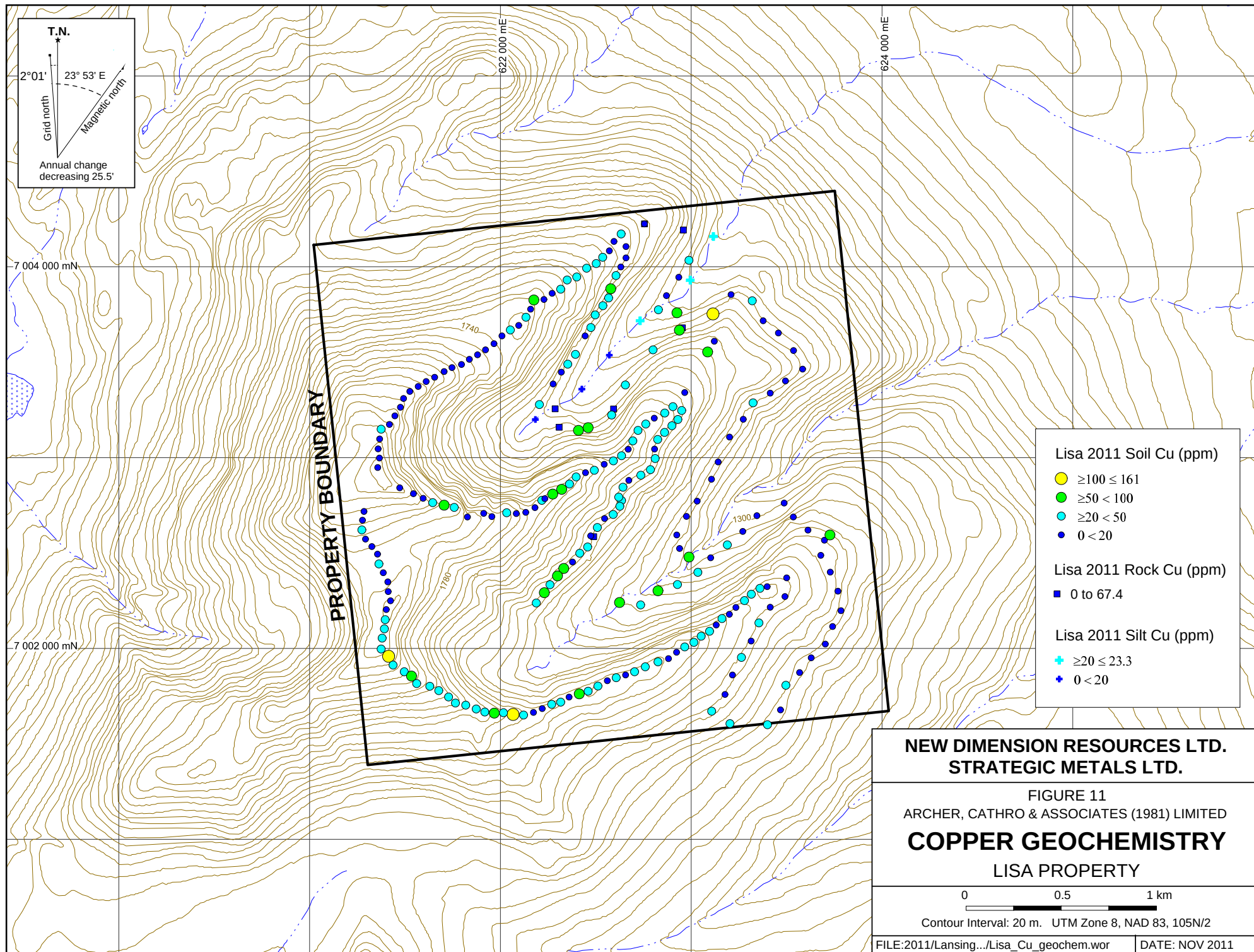


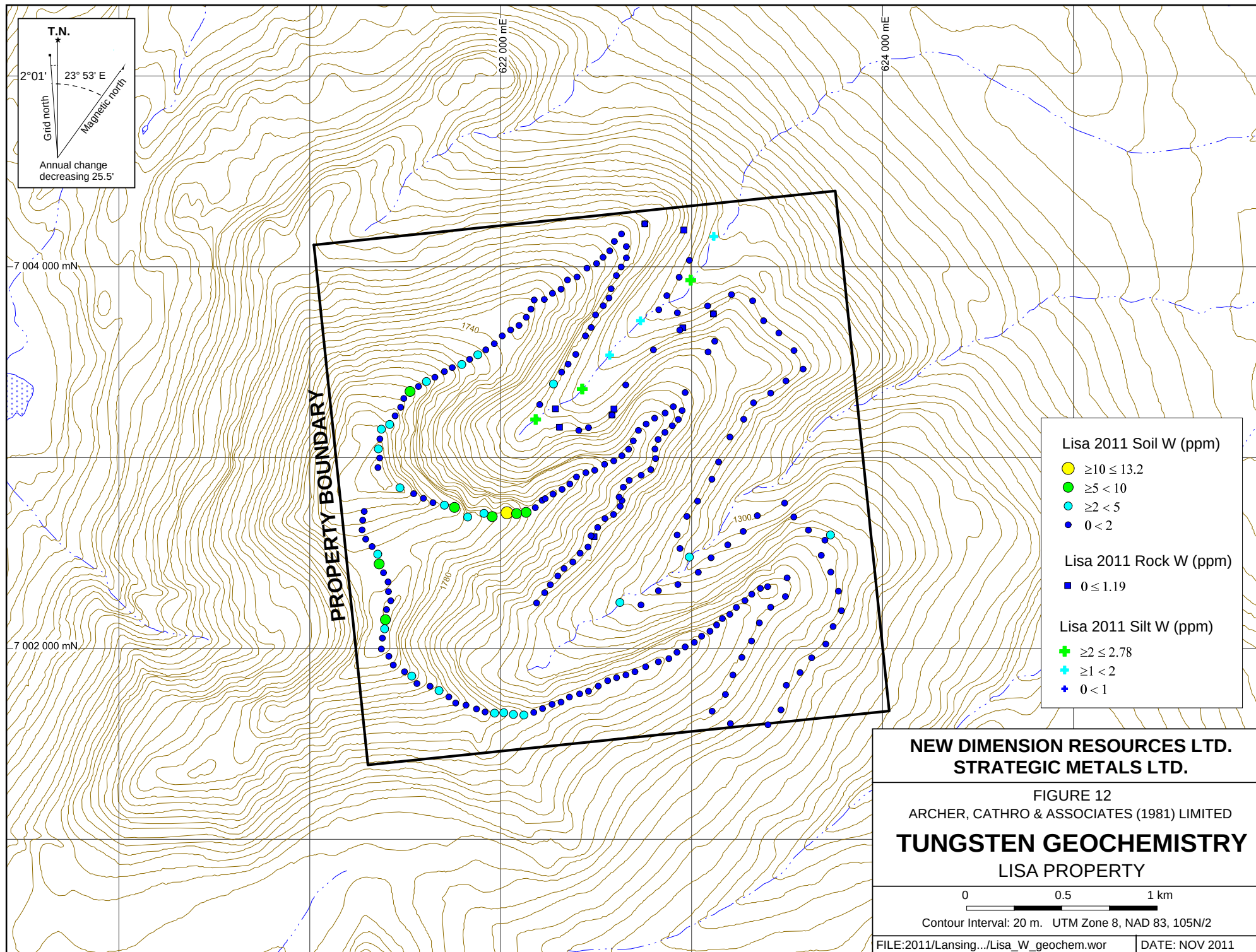












All samples were sent to ALS Chemex in Whitehorse, Yukon and/or Vancouver, B.C., where they were dried, screened to -180 microns, and then analyzed for 51 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS41).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

The stream sediment samples were collected from a creek between the central and northern sub-ridges. They yielded moderately to strongly elevated arsenic (50 to 203 ppm) values, weakly anomalous gold (0.01 to 0.012 ppm), antimony (2 to 4.55 ppm) and tungsten (2 to 2.78 ppm) values and background copper and bismuth values.

Soil sampling outlined a broad zone of weak to very strong arsenic (50 to 2440 ppm) and bismuth (2 to 41.3 ppm) values, weak to moderate gold (10 to 44 ppb) and copper (50 to 161 ppm) values and weak tungsten (2 to 2.78 ppm) values. This zone is located along the main north-trending ridge and central sub-ridge. The highest values are from samples collected near the margin of the intrusive plug. A second cluster of anomalous values was obtained from samples collected in the northwest half of the property. This cluster comprises weakly to very strongly anomalous antimony (5 to 102 ppm) values. Sporadic elevated values for all elements were also obtained from samples taken elsewhere on the property.

DISCUSSION AND CONCLUSIONS

New Dimension's work program was designed to test the economic potential (particularly gold) of the Lisa property. Although rock sampling failed to identify a source for the elevated GSC stream sediment values, stream sediment and soil geochemical sampling in 2011 successfully identified weak to moderate gold, copper and tungsten values and weak to strong arsenic, antimony and bismuth values. The most anomalous samples are located within and on the margins of an intrusive plug. The geological setting and geochemical response are prospective for intrusion-hosted quartz veins and stockworks and/or skarn and stockwork zones developed in the surrounding metasedimentary rocks. Several deposits of these types are known in Yukon and central Alaska and are usually associated with mid-Cretaceous plutonic suites.

Due to the positive results obtained from the limited number of samples collected in 2011 and the favourable geological setting, the Lisa property warrants more work. This work should consist of closely spaced soil sampling (50 m spacing on lines located 100 m apart, where possible) within the vicinity of geochemical anomalies. Geological mapping and systematic prospecting should be done within the same area. Hand trenches should be dug to better expose mineralization, if it is discovered.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Andrew Mitchell, B.Sc.

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APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

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

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

Andrew Mitchell, B.Sc.

APPENDIX II
ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions			Project: <u>Lansing</u>	Property: <u>Leah</u>	Nad83	Zone8
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079009	UTM:	622755 E	UTM:	7004225 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Intensely rusty quartz vein chips within rusty, sandy fault gouge zone. Gouge zone 8-10 m wide and exposed in patches over 100 m striking 150°. Corresponding soil sample: CC117832						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079010	UTM:	E	UTM:	N	Sample Width:	Abundance:
	Elevation:	622959 m	7004193			
Comments: Rusty weathering silicified siltstone with trace fine sulphide. Found within rusty fault zone with bull-quartz vein (287°/72°) in bedrock.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079011	UTM:	622287 E	UTM:	7003256 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Fine grained grey quartzite with fine sulphides, disseminated and in micro-fractures. Scattered within large talus fan below cliffs. Moderately abundant.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079012	UTM:	622308 E	UTM:	7003159 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Grey, rusty weathering quartzite float cobble, with pyrite disseminated and in micro-fractures. Moderately abundant in talus fan below rusty cliffs.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079013	UTM:	622583 E	UTM:	7003223 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Rusty, fault-broken angular gravel chips.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079014	UTM:	622593 E	UTM:	7003255 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Rusty weathering grey siltstone with disseminated fine sulphide. Moderately abundant within talus below rusty cliffs.						

Rock Sample Descriptions			Project: <u>Lansing</u>	Property: <u>Leah</u>	Nad83	Zone8
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079015	UTM:	622954 E	UTM:	7003680 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Quartzite float with very strong rust and manganese staining						

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079016	UTM:	623114 E	UTM:	7003753 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Silicified grey siltstone, strong rust weathering, fine sulphide within banded zones.						

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079017	UTM:	622489 E	UTM:	7002586 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Intensely rusty weathering grey quartzite with thin bands of fine sulphide. Single float cobble found on thinly vegetated slope.						

APPENDIX III
CERTIFICATES OF ANALYSIS



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North Vancouver BC V7H 0A7
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To: **ARCHER, CATHRO AND ASSOCIATES (1981)
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Page: 1
Finalized Date: 14- JUL- 2011
Account: F

CERTIFICATE WH11114398

Project: Lansing - Lisa

P.O. No.:

This report is for 78 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
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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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Account: F

Project: Lansing - Lisa

CERTIFICATE OF ANALYSIS WH11114398

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
CC117748		0.16	0.001	0.05	0.20	1.2	<0.2	<10	30	0.05	0.04	0.17	0.03	2.17	1.6	3
CC117749		0.08	0.001	0.18	0.66	5.2	<0.2	<10	40	0.15	0.15	0.03	0.09	9.59	2.1	8
CC117750		0.10	<0.001	0.05	0.38	3.5	<0.2	<10	50	0.10	0.11	0.03	0.11	6.81	4.3	6
CC117751		0.16	0.002	0.22	1.54	19.4	<0.2	<10	140	0.89	0.30	0.05	0.38	31.7	9.2	26
CC118277		0.08	0.001	0.17	1.25	10.7	<0.2	<10	110	0.36	0.27	0.05	0.27	17.95	5.6	22
CC118278		0.12	0.001	0.13	1.34	15.0	<0.2	<10	110	0.46	0.25	0.05	0.28	22.4	6.3	25
CC118279		0.14	<0.001	0.08	0.54	7.5	<0.2	<10	80	0.18	0.16	0.02	0.16	12.30	3.5	14
CC118280		0.14	0.001	0.10	0.58	5.2	<0.2	<10	60	0.24	0.14	0.03	0.24	9.96	4.0	11
CC118281		0.18	<0.001	0.09	1.36	18.3	<0.2	<10	270	0.61	0.44	0.26	0.82	38.2	9.5	41
CC118282		0.14	0.001	0.14	1.60	10.4	<0.2	<10	280	0.64	0.19	0.86	0.90	20.7	8.0	29
CC118283		0.12	0.001	0.25	1.59	8.1	<0.2	<10	220	0.57	0.16	0.91	0.37	20.0	8.1	30
CC118284		0.16	<0.001	0.05	0.25	3.3	<0.2	<10	30	0.05	0.08	0.03	0.04	7.06	1.3	7
CC118285		0.10	0.001	0.27	0.97	9.8	<0.2	<10	110	0.50	0.18	1.64	0.82	11.85	5.5	18
CC118286		0.14	0.001	0.08	1.28	14.5	<0.2	<10	90	0.27	0.32	0.05	0.16	26.1	4.6	22
CC118287		0.10	0.001	0.11	0.54	4.9	<0.2	<10	50	0.17	0.10	0.04	0.09	10.90	1.9	8
CC118288		0.08	0.001	0.17	0.72	3.2	<0.2	<10	60	0.44	0.15	0.05	0.25	18.65	3.4	13
CC118289		0.10	<0.001	0.09	0.35	0.9	<0.2	<10	20	0.05	0.03	0.03	0.02	1.76	0.8	3
CC118290		0.06	<0.001	0.16	0.35	1.4	<0.2	<10	20	0.12	0.06	0.03	0.04	3.69	0.7	4
CC118291		0.06	<0.001	0.08	1.78	16.4	<0.2	<10	80	0.79	0.20	0.38	0.32	23.8	6.7	23
CC118292		0.12	0.001	0.13	0.85	10.1	<0.2	<10	100	0.25	0.35	0.04	0.08	21.3	4.0	16
CC118293		0.18	0.001	0.11	0.85	13.6	<0.2	<10	80	0.14	0.40	0.02	0.08	30.1	4.7	15
CC118294		0.14	0.001	0.04	0.97	20.3	<0.2	<10	70	0.27	0.42	0.02	0.09	31.6	4.8	18
CC118295		0.18	0.001	0.07	0.54	15.1	<0.2	<10	50	0.16	0.18	0.03	0.08	16.25	3.3	16
CC118296		0.12	0.012	0.30	1.61	30.2	<0.2	<10	230	0.86	0.30	0.75	0.45	28.0	11.7	18
CC118297		0.14	0.003	0.10	0.39	23.9	<0.2	<10	40	0.16	0.15	0.03	0.09	11.95	2.6	13
CC118298		0.08	<0.001	0.08	0.35	2.3	<0.2	<10	30	0.14	0.09	0.04	0.04	4.38	0.8	5
CC118299		0.04	0.001	0.05	0.32	3.1	<0.2	<10	40	0.12	0.10	0.51	0.20	5.32	1.4	9
CC118300		0.24	0.003	0.13	1.14	20.3	<0.2	<10	150	0.65	0.25	0.18	0.29	37.9	10.6	18
CC118301		0.10	0.001	0.14	0.97	5.3	<0.2	<10	60	0.50	0.15	1.54	0.18	9.38	5.6	12
CC118302		0.12	0.003	0.19	1.64	22.8	<0.2	<10	110	1.11	0.35	0.18	0.16	22.7	12.7	25
CC118303		0.14	0.002	0.17	1.79	27.8	<0.2	<10	140	0.88	0.39	0.47	0.27	24.5	11.7	37
CC118304		0.22	0.006	0.08	2.91	98.2	<0.2	<10	190	2.31	1.04	0.35	0.35	35.6	26.8	48
CC118305		0.12	0.005	0.20	2.14	62.2	<0.2	<10	120	1.64	0.42	0.09	0.45	20.3	29.9	36
CC118306		0.10	0.004	0.16	1.84	189.0	<0.2	<10	220	0.79	2.63	0.47	0.62	41.8	14.3	33
CC117832		0.34	0.027	0.53	0.43	88.2	<0.2	<10	70	0.23	0.54	0.02	0.03	101.0	1.2	13
CC117833		0.30	0.011	0.11	1.68	203	<0.2	<10	210	1.00	1.20	0.51	0.24	48.7	13.1	19
CC117834		0.28	0.009	0.13	1.83	192.5	<0.2	<10	220	1.18	1.43	0.57	0.24	51.6	11.9	16
CC117835		0.28	0.011	0.11	1.86	193.5	<0.2	<10	220	0.91	1.41	0.61	0.21	49.4	9.6	18
CC117836		0.34	0.012	0.07	1.59	197.5	<0.2	<10	190	0.81	1.43	0.59	0.19	56.8	8.5	12
CC117837		0.28	0.012	0.07	1.60	187.0	<0.2	<10	200	0.79	1.62	0.60	0.14	53.1	9.5	12



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CERTIFICATE OF ANALYSIS WH11114398

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
CC117748		0.11	5.8	0.54	1.26	<0.05	0.02	0.02	<0.005	0.02	1.3	0.7	0.03	50	0.17
CC117749		0.84	7.4	1.06	2.84	<0.05	<0.02	0.03	0.007	0.03	4.9	2.9	0.06	111	0.88
CC117750		0.52	9.7	1.17	2.67	<0.05	<0.02	0.01	<0.005	0.03	3.2	0.8	0.04	424	0.63
CC117751		2.97	36.3	2.73	5.58	<0.05	<0.02	0.06	0.025	0.08	15.5	15.9	0.28	328	3.20
CC118277		1.55	14.0	2.10	4.48	<0.05	<0.02	0.04	0.015	0.06	8.6	10.7	0.30	302	1.51
CC118278		1.46	21.3	2.49	4.77	<0.05	<0.02	0.05	0.020	0.09	10.0	11.7	0.28	339	1.83
CC118279		1.03	8.8	1.25	2.97	<0.05	<0.02	0.02	0.007	0.04	6.0	2.1	0.06	246	1.47
CC118280		1.04	10.0	1.11	3.05	<0.05	<0.02	0.03	0.008	0.04	5.0	2.3	0.06	444	1.20
CC118281		2.52	20.6	2.96	8.54	0.07	<0.02	0.02	0.027	0.22	19.1	11.8	0.43	836	2.82
CC118282		1.63	21.1	2.11	5.97	<0.05	<0.02	0.05	0.021	0.11	9.8	20.3	0.45	560	1.66
CC118283		2.26	27.9	2.21	5.84	<0.05	<0.02	0.04	0.024	0.07	9.7	23.4	0.56	358	1.72
CC118284		0.80	4.5	0.57	1.95	<0.05	<0.02	0.01	<0.005	0.03	3.5	1.5	0.04	50	1.21
CC118285		2.77	22.4	1.26	3.30	<0.05	0.02	0.06	0.018	0.06	6.3	19.8	0.23	362	1.02
CC118286		1.11	12.1	2.46	6.58	<0.05	<0.02	0.02	0.018	0.07	13.0	9.6	0.25	176	2.01
CC118287		0.75	6.5	1.01	2.74	<0.05	<0.02	0.02	0.008	0.04	5.4	4.2	0.07	76	0.75
CC118288		0.95	17.7	0.79	3.20	<0.05	<0.02	0.03	0.008	0.04	8.7	7.7	0.10	85	0.99
CC118289		0.14	2.3	0.41	1.42	<0.05	<0.02	0.01	<0.005	0.02	0.9	0.4	0.01	16	0.26
CC118290		0.39	3.1	0.40	1.38	<0.05	<0.02	0.03	<0.005	0.03	2.0	0.8	0.02	17	0.44
CC118291		1.50	11.8	2.10	5.98	<0.05	0.02	0.03	0.026	0.04	9.8	15.1	0.26	316	0.80
CC118292		1.55	17.9	1.35	5.46	<0.05	<0.02	0.02	0.010	0.04	10.6	3.0	0.09	183	1.77
CC118293		1.71	12.8	2.09	6.03	<0.05	<0.02	0.01	0.011	0.05	14.9	2.7	0.08	437	2.01
CC118294		1.53	12.8	2.73	5.70	<0.05	<0.02	0.02	0.013	0.05	16.4	6.7	0.16	334	1.71
CC118295		1.20	10.3	1.24	3.26	<0.05	<0.02	0.02	0.009	0.04	7.7	3.5	0.08	146	1.87
CC118296		1.52	19.4	2.28	4.63	0.05	0.04	0.09	0.018	0.06	15.1	20.9	0.59	1520	2.07
CC118297		0.80	6.5	1.20	1.97	<0.05	<0.02	0.05	0.005	0.03	6.1	4.1	0.12	219	2.37
CC118298		0.42	4.8	0.44	1.26	<0.05	<0.02	0.02	<0.005	0.02	2.1	0.7	0.02	17	0.41
CC118299		0.56	4.7	0.47	1.42	<0.05	<0.02	0.05	0.005	0.03	2.7	1.4	0.03	39	0.97
CC118300		1.45	27.6	2.57	3.15	0.05	0.03	0.02	0.016	0.09	17.9	17.6	0.35	413	1.32
CC118301		0.96	17.5	1.19	2.60	<0.05	0.05	0.04	0.013	0.04	4.8	6.8	0.15	316	0.78
CC118302		4.10	34.3	2.53	5.54	<0.05	<0.02	0.04	0.019	0.07	10.9	21.7	0.43	432	1.99
CC118303		2.46	31.2	2.77	6.74	0.10	0.02	0.05	0.027	0.07	11.9	18.4	0.42	758	1.13
CC118304		4.85	74.3	4.70	9.90	0.11	0.02	0.03	0.041	0.10	17.6	42.5	0.89	999	3.50
CC118305		4.85	49.4	3.43	6.98	0.10	<0.02	0.03	0.027	0.09	9.5	31.2	0.60	1210	4.12
CC118306		3.78	51.0	3.21	6.73	0.14	<0.02	0.03	0.036	0.20	19.7	29.5	0.70	621	2.24
CC117832		1.84	13.4	2.37	4.39	0.15	<0.02	0.02	0.024	0.08	45.6	2.2	0.05	43	0.99
CC117833		4.17	20.4	3.03	6.37	0.14	<0.02	0.03	0.024	0.17	24.2	33.8	0.52	786	1.43
CC117834		5.30	23.3	3.09	7.24	0.13	<0.02	0.03	0.029	0.19	26.9	34.5	0.57	686	1.58
CC117835		4.90	20.7	3.14	6.99	0.14	<0.02	0.03	0.024	0.21	24.6	31.7	0.61	673	1.28
CC117836		4.60	16.3	2.86	6.46	0.14	<0.02	0.02	0.027	0.20	29.1	28.6	0.55	600	0.89
CC117837		5.65	15.9	2.76	7.07	0.12	0.04	0.02	0.023	0.22	26.6	35.6	0.55	527	0.86



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Project: Lansing - Lisa

CERTIFICATE OF ANALYSIS WH11114398

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
CC117748		0.34	1.9	280	0.9	1.0	<0.001	0.02	0.09	0.3	0.2	<0.2	14.7	<0.01	0.01
CC117749		0.28	5.1	490	12.4	6.8	<0.001	0.04	0.52	0.2	0.3	0.3	4.9	<0.01	0.03
CC117750		0.07	4.7	290	4.0	6.1	<0.001	0.02	0.38	0.1	<0.2	0.2	6.0	<0.01	0.04
CC117751		0.43	24.3	990	13.4	17.7	0.001	0.09	2.21	0.6	1.5	0.6	20.6	<0.01	0.05
CC118277		0.27	14.8	700	9.8	12.9	<0.001	0.05	0.97	0.4	0.4	0.5	9.8	<0.01	0.05
CC118278		0.42	18.4	700	11.9	14.5	0.001	0.06	1.36	0.5	0.6	0.5	11.4	<0.01	0.05
CC118279		0.09	8.5	790	6.9	9.9	<0.001	0.04	0.76	0.1	0.5	0.3	7.0	<0.01	0.04
CC118280		0.12	7.0	840	5.6	12.3	<0.001	0.07	0.78	0.1	0.5	0.3	6.4	<0.01	0.04
CC118281		1.03	25.9	1290	16.6	46.1	0.001	0.08	2.05	1.0	0.4	0.8	33.8	<0.01	0.07
CC118282		0.88	18.8	960	11.8	14.4	<0.001	0.10	1.56	1.0	0.7	0.5	84.2	<0.01	0.04
CC118283		1.07	19.6	920	8.8	14.3	0.001	0.07	1.17	2.3	1.0	0.4	77.3	<0.01	0.04
CC118284		0.20	4.3	230	2.9	4.3	<0.001	0.01	0.46	0.2	<0.2	0.2	5.8	<0.01	0.03
CC118285		0.79	14.4	960	7.5	13.5	0.001	0.10	0.81	1.1	1.0	0.3	82.9	<0.01	0.03
CC118286		0.65	14.2	320	13.1	8.8	<0.001	0.02	1.23	1.1	0.4	0.7	9.3	<0.01	0.04
CC118287		0.32	5.2	340	5.6	8.8	<0.001	0.02	0.48	0.2	0.4	0.3	7.9	<0.01	0.02
CC118288		0.38	7.9	530	8.8	6.3	<0.001	0.03	0.42	0.4	0.3	0.4	10.6	<0.01	0.02
CC118289		0.09	1.6	230	1.9	1.3	<0.001	0.01	0.10	<0.1	0.2	<0.2	7.2	<0.01	0.02
CC118290		0.09	2.7	570	4.2	4.7	<0.001	0.03	0.13	0.1	0.3	0.2	6.3	<0.01	0.01
CC118291		0.67	14.8	730	15.0	9.8	<0.001	0.06	0.70	1.4	0.5	0.4	51.4	<0.01	0.03
CC118292		0.31	9.0	430	12.6	7.8	<0.001	0.03	0.86	0.3	0.3	0.8	8.9	<0.01	0.05
CC118293		0.48	9.8	370	12.9	11.4	<0.001	0.02	1.17	0.5	0.4	0.8	8.2	<0.01	0.06
CC118294		0.56	13.0	480	11.6	9.1	<0.001	0.02	1.51	0.7	0.4	0.6	6.6	<0.01	0.06
CC118295		0.38	12.7	370	8.1	10.5	<0.001	0.03	0.84	0.4	0.3	0.4	7.9	<0.01	0.03
CC118296		0.57	21.1	1350	13.9	12.1	<0.001	0.09	1.29	1.6	1.0	0.4	44.8	<0.01	0.05
CC118297		0.15	10.1	540	7.8	6.0	<0.001	0.03	1.24	0.2	0.3	0.2	6.6	<0.01	0.04
CC118298		0.21	2.8	380	2.0	1.5	<0.001	0.03	0.15	0.2	0.4	0.2	7.0	<0.01	0.02
CC118299		0.36	6.8	630	2.9	4.1	<0.001	0.08	0.29	0.6	0.4	0.2	30.3	<0.01	0.02
CC118300		0.78	26.5	800	14.7	10.9	0.001	0.01	1.87	2.2	0.5	0.3	24.0	<0.01	0.04
CC118301		0.54	14.2	710	8.0	6.0	<0.001	0.13	0.90	0.8	0.5	0.2	84.3	<0.01	0.03
CC118302		0.80	22.1	900	16.8	11.6	<0.001	0.09	1.40	1.3	0.6	0.4	45.5	<0.01	0.07
CC118303		1.09	32.6	1150	14.4	12.4	<0.001	0.09	0.96	1.7	0.4	0.4	46.4	0.01	0.03
CC118304		1.20	48.1	1010	21.0	18.5	<0.001	0.08	3.15	4.3	1.3	0.7	73.7	<0.01	0.09
CC118305		0.67	28.5	890	21.3	11.5	<0.001	0.10	3.19	2.0	1.0	0.4	29.0	<0.01	0.06
CC118306		1.68	30.2	990	13.8	27.0	<0.001	0.04	2.33	6.5	1.0	0.7	50.9	<0.01	0.05
CC117832		0.14	4.8	280	16.8	10.0	<0.001	0.04	22.7	1.6	2.3	0.4	7.0	<0.01	0.05
CC117833		1.36	21.9	560	16.7	27.7	<0.001	0.02	3.59	5.0	0.8	0.7	59.7	<0.01	0.03
CC117834		1.58	19.9	590	16.7	34.8	<0.001	0.03	3.92	5.8	0.5	0.9	74.1	<0.01	0.02
CC117835		1.77	14.4	650	15.3	34.4	<0.001	0.02	3.83	6.2	0.5	0.8	71.7	<0.01	0.02
CC117836		1.73	8.7	630	13.7	30.9	<0.001	0.02	4.20	6.2	0.6	0.8	79.8	<0.01	0.02
CC117837		2.26	7.8	630	14.0	37.5	<0.001	0.01	4.14	6.7	0.7	0.9	82.7	0.01	0.03



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

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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC117748		0.029	<0.02	0.11	17	<0.05	0.99	8	0.6
CC117749		0.016	0.07	0.37	21	0.12	1.01	20	<0.5
CC117750		0.021	0.04	0.25	32	0.07	0.73	21	<0.5
CC117751		0.020	0.14	1.56	47	0.26	5.99	73	<0.5
CC118277		0.017	0.14	0.69	42	0.20	2.21	62	<0.5
CC118278		0.023	0.12	0.77	42	0.18	2.90	67	<0.5
CC118279		0.006	0.07	0.37	30	0.11	1.15	28	<0.5
CC118280		0.008	0.07	0.49	23	0.10	1.14	26	<0.5
CC118281		0.039	0.16	0.76	76	0.24	3.61	99	<0.5
CC118282		0.037	0.12	1.39	54	0.12	3.48	92	<0.5
CC118283		0.053	0.10	1.07	56	0.11	6.06	80	0.5
CC118284		0.013	0.03	0.17	17	0.06	0.54	12	<0.5
CC118285		0.025	0.08	4.86	23	0.10	4.84	67	0.6
CC118286		0.031	0.11	0.52	57	0.28	2.09	58	<0.5
CC118287		0.016	0.05	0.33	19	0.09	1.38	16	<0.5
CC118288		0.014	0.05	1.06	18	0.13	5.68	19	<0.5
CC118289		0.013	<0.02	0.14	12	<0.05	0.28	4	<0.5
CC118290		0.007	0.02	0.34	8	0.05	1.04	5	<0.5
CC118291		0.035	0.11	0.95	28	0.12	5.99	68	0.5
CC118292		0.020	0.12	0.83	46	0.21	2.39	26	<0.5
CC118293		0.026	0.15	0.45	62	0.25	1.90	40	<0.5
CC118294		0.029	0.12	0.47	45	0.26	1.96	42	<0.5
CC118295		0.024	0.08	0.38	23	0.17	1.41	26	<0.5
CC118296		0.022	0.12	2.63	31	0.22	15.70	63	1.2
CC118297		0.012	0.06	0.48	18	0.14	1.45	26	<0.5
CC118298		0.015	0.04	0.21	8	<0.05	0.76	7	<0.5
CC118299		0.016	0.03	0.29	9	0.09	1.13	16	0.5
CC118300		0.036	0.12	1.27	28	0.22	6.42	80	1.4
CC118301		0.023	0.09	0.95	12	0.06	5.26	35	1.8
CC118302		0.037	0.12	1.33	40	0.12	6.32	61	<0.5
CC118303		0.039	0.15	1.31	39	0.20	7.63	71	0.7
CC118304		0.055	0.23	2.26	73	0.20	12.80	164	0.6
CC118305		0.044	0.18	1.94	57	0.16	5.99	110	<0.5
CC118306		0.111	0.21	3.59	64	2.46	12.60	109	0.5
CC117832		0.005	0.27	0.39	13	0.22	3.42	13	0.7
CC117833		0.066	0.21	12.65	41	1.70	12.15	82	<0.5
CC117834		0.077	0.25	12.70	45	2.46	13.80	78	<0.5
CC117835		0.090	0.23	13.10	47	1.80	14.65	70	<0.5
CC117836		0.091	0.22	12.60	44	1.07	15.30	54	<0.5
CC117837		0.106	0.28	11.70	46	2.78	14.35	54	<0.5



ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC117838		0.26	0.010	0.04	1.51	166.0	<0.2	<10	190	0.80	1.79	0.60	0.11	59.5	7.0	10
CC117839		0.32	0.008	0.17	2.56	51.0	<0.2	<10	170	1.36	0.45	0.59	0.51	54.0	30.1	40
CC117840		0.26	0.007	0.14	1.98	314	<0.2	<10	170	1.11	0.81	0.46	0.25	39.4	20.0	26
CC117841		0.28	0.004	0.09	1.92	29.9	<0.2	<10	130	1.65	0.32	0.20	0.23	42.9	23.8	18
CC117842		0.18	0.002	0.12	2.63	22.6	<0.2	<10	170	1.87	0.35	0.33	0.22	54.9	18.7	32
CC117843		0.34	0.003	0.15	1.98	18.1	<0.2	<10	120	1.63	0.37	0.20	0.16	77.4	29.0	40
CC117844		0.26	0.002	0.22	1.97	36.0	<0.2	<10	60	2.16	0.50	0.02	0.03	89.4	10.1	21
CC117845		0.32	0.010	0.36	1.75	79.9	<0.2	<10	110	1.65	0.65	0.03	0.07	39.6	23.6	26
CC117846		0.24	0.001	0.08	1.05	22.0	<0.2	<10	80	0.52	0.43	0.05	0.08	46.7	6.1	18
CC117847		0.24	0.002	0.09	1.61	30.1	<0.2	<10	40	0.67	0.57	0.02	0.09	105.5	16.1	18
CC117848		0.20	<0.001	0.04	0.34	1.1	<0.2	<10	20	0.09	0.03	0.16	0.01	5.54	1.0	2
CC117849		0.20	0.003	0.20	2.20	17.4	<0.2	<10	120	0.96	0.28	0.09	0.31	34.4	7.4	26
CC117850		0.30	0.006	0.06	2.27	39.5	<0.2	<10	130	1.06	0.33	0.12	0.13	34.4	22.9	30
CC117412		0.12	0.006	0.44	1.48	70.2	<0.2	<10	110	0.81	0.26	0.12	0.22	28.1	8.0	18
CC117413		0.14	0.003	0.14	1.30	46.7	<0.2	<10	160	0.67	0.22	1.03	1.77	21.4	5.8	14
CC117414		0.08	0.002	0.10	0.78	15.5	<0.2	<10	90	0.29	0.28	0.40	0.23	14.90	2.2	9
CC118247		0.18	0.002	0.07	1.96	25.3	<0.2	<10	170	1.18	0.36	0.18	0.08	31.6	8.1	23
CC118248		0.24	0.002	0.34	1.60	25.6	<0.2	<10	60	1.67	0.36	0.04	0.07	73.3	8.8	19
CC118249		0.30	0.016	0.37	3.04	85.6	<0.2	<10	150	1.66	0.57	0.04	0.14	34.0	52.5	31
CC118250		0.24	0.001	0.05	0.88	24.8	<0.2	<10	70	0.28	0.21	0.07	0.08	19.30	2.9	12
CC118251		0.22	0.005	0.09	1.62	42.1	<0.2	<10	110	0.49	0.48	0.07	0.16	29.6	5.9	19
CC118252		0.22	0.001	0.08	0.77	12.9	<0.2	<10	60	0.17	0.14	0.04	0.05	12.10	1.6	8
CC118253		0.20	<0.001	0.13	0.54	5.7	<0.2	<10	50	0.18	0.10	0.04	0.04	8.43	1.0	5
CC118254		0.26	<0.001	0.07	0.48	5.0	<0.2	<10	50	0.16	0.18	0.04	0.06	18.25	1.3	6
CC118255		0.32	0.001	0.15	1.36	42.0	<0.2	<10	120	0.56	0.32	0.04	0.17	37.4	8.1	20
CC118256		0.20	0.001	0.09	1.26	15.6	<0.2	<10	170	0.54	0.26	0.09	0.35	24.3	6.4	16
CC118257		0.28	0.001	0.16	0.81	14.2	<0.2	<10	130	0.33	0.24	0.17	0.32	18.45	5.8	13
CC118258		0.20	0.009	0.54	0.93	56.3	<0.2	<10	120	0.63	0.31	0.04	0.91	56.1	10.3	13
CC118259		0.14	<0.001	0.09	0.79	16.1	<0.2	<10	70	0.24	0.21	0.03	0.12	21.1	3.6	11
CC118260		0.18	0.001	0.10	0.96	18.2	<0.2	<10	130	0.41	0.33	0.13	0.13	28.1	4.8	16
CC118261		0.28	<0.001	0.36	0.27	4.7	<0.2	<10	60	0.07	0.12	0.04	0.09	10.75	4.2	5
CC118262		0.18	0.006	0.12	0.76	25.6	<0.2	<10	70	0.19	0.44	0.05	0.18	17.00	3.3	14
CC118263		0.18	0.001	0.06	0.13	1.3	<0.2	<10	20	<0.05	0.05	0.03	0.03	2.95	0.8	3
CC118264		0.20	<0.001	0.03	0.10	0.1	<0.2	<10	10	<0.05	0.02	0.03	0.01	0.53	0.7	2
CC118265		0.10	0.001	0.16	0.58	32.5	<0.2	<10	190	0.22	0.30	0.50	0.30	12.60	2.3	10
CC118266		0.22	<0.001	0.12	0.64	19.0	<0.2	<10	90	0.23	0.28	0.11	0.17	10.45	2.6	8
CC118267		0.30	0.005	0.16	1.78	202	<0.2	<10	230	0.87	2.76	0.48	0.70	40.7	16.2	30
CC118268		0.30	0.005	0.18	2.00	215	<0.2	<10	240	1.01	3.15	0.57	0.82	42.6	17.2	35



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
CC117838		5.22	16.3	2.64	6.25	0.14	0.02	0.01	0.023	0.25	29.2	28.7	0.56	414	0.49
CC117839		7.66	68.1	4.56	8.82	0.15	0.02	0.03	0.047	0.28	26.2	45.1	0.92	2190	1.75
CC117840		4.76	53.1	3.81	6.19	0.12	0.02	0.01	0.029	0.14	18.4	26.4	0.50	1130	1.13
CC117841		4.09	34.5	5.48	5.69	0.12	0.03	0.02	0.025	0.18	20.7	23.7	0.49	937	1.16
CC117842		5.65	31.1	3.75	8.06	0.13	0.02	0.03	0.026	0.22	25.4	36.0	0.64	963	1.08
CC117843		4.84	44.7	4.16	6.46	0.14	0.02	0.04	0.023	0.29	37.9	40.3	0.56	1700	2.23
CC117844		6.27	85.8	7.33	6.38	0.19	0.04	0.01	0.024	0.16	48.5	38.9	0.47	486	1.39
CC117845		8.88	120.5	7.40	5.94	0.12	0.02	0.04	0.042	0.22	21.9	31.7	0.45	708	2.75
CC117846		7.74	16.7	3.37	5.86	0.12	0.02	0.02	0.017	0.09	23.6	10.8	0.22	335	1.71
CC117847		4.41	82.2	3.29	5.41	0.17	0.03	0.03	0.016	0.07	52.7	23.9	0.31	784	2.33
CC117848		0.12	3.6	0.47	1.49	0.09	0.02	0.01	<0.005	0.02	2.7	0.6	0.03	27	0.11
CC117849		2.40	36.5	2.49	7.81	0.11	<0.02	0.03	0.021	0.11	17.4	42.7	1.08	686	0.77
CC117850		5.87	39.0	3.79	7.55	0.11	<0.02	0.08	0.033	0.20	17.2	25.9	0.51	924	1.06
CC117412		2.49	21.0	2.35	5.16	0.11	<0.02	0.07	0.018	0.08	16.2	13.6	0.26	413	0.91
CC117413		2.21	19.8	1.77	4.55	0.09	0.02	0.10	0.013	0.07	11.6	13.4	0.26	556	0.85
CC117414		1.48	8.6	1.05	3.60	0.08	<0.02	0.06	0.010	0.06	8.1	6.0	0.14	120	0.69
CC118247		3.31	23.9	2.79	6.21	0.10	<0.02	0.02	0.019	0.10	16.8	23.4	0.45	280	0.98
CC118248		4.49	56.6	4.64	5.52	0.14	<0.02	0.03	0.019	0.13	39.2	35.0	0.41	430	0.98
CC118249		11.60	161.0	8.20	6.38	0.13	0.07	0.04	0.040	0.28	16.7	53.5	0.70	1420	1.99
CC118250		1.33	13.6	1.74	4.40	0.10	<0.02	0.03	0.009	0.04	9.0	6.2	0.10	137	1.22
CC118251		2.23	20.5	2.83	6.05	0.10	<0.02	0.02	0.021	0.15	14.0	18.2	0.35	183	0.85
CC118252		0.90	7.6	1.06	3.48	0.08	<0.02	0.02	0.010	0.04	6.1	3.7	0.08	60	0.75
CC118253		0.69	5.8	0.61	2.39	0.07	<0.02	0.02	0.005	0.03	4.2	1.4	0.04	31	0.57
CC118254		1.14	12.4	0.77	3.40	0.08	<0.02	0.02	0.007	0.03	9.6	0.8	0.02	50	0.91
CC118255		1.72	18.8	3.69	5.40	0.11	0.05	0.03	0.019	0.09	19.2	28.3	0.32	280	1.58
CC118256		1.61	11.6	2.40	5.78	0.09	<0.02	0.02	0.017	0.09	12.5	21.3	0.22	348	1.11
CC118257		1.35	12.3	1.75	4.56	0.05	0.03	0.04	0.017	0.07	9.1	11.8	0.16	372	1.09
CC118258		1.88	22.8	2.74	5.00	0.07	0.03	0.03	0.020	0.10	29.4	13.3	0.16	482	1.22
CC118259		1.77	10.9	1.65	4.05	<0.05	0.02	0.03	0.014	0.06	10.8	8.0	0.13	106	1.18
CC118260		1.67	12.9	1.81	5.37	<0.05	0.02	0.03	0.021	0.07	13.6	9.6	0.18	245	1.25
CC118261		0.87	5.8	0.68	2.04	<0.05	0.02	0.03	0.006	0.04	5.8	0.8	0.03	309	0.85
CC118262		1.32	11.9	1.48	3.97	<0.05	0.03	0.04	0.014	0.06	8.5	6.8	0.15	98	1.20
CC118263		0.49	2.0	0.34	1.03	<0.05	0.02	0.02	0.005	0.02	1.6	0.8	0.02	20	0.27
CC118264		0.22	0.6	0.30	0.61	<0.05	0.02	0.01	<0.005	0.02	0.3	0.2	0.01	19	0.08
CC118265		1.22	11.5	1.01	3.20	<0.05	0.03	0.05	0.010	0.05	6.7	3.7	0.10	152	1.21
CC118266		0.89	9.5	0.79	2.83	<0.05	0.02	0.06	0.013	0.04	5.4	4.1	0.08	82	0.73
CC118267		4.58	53.4	3.07	6.65	0.08	0.03	0.04	0.031	0.19	20.5	31.5	0.63	685	2.27
CC118268		5.24	61.8	3.31	7.02	0.08	0.03	0.06	0.039	0.21	21.8	35.0	0.71	689	2.32



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Sample Description	Method Analyte Units LOR	ME- MS41 Nb ppm 0.05	ME- MS41 Ni ppm 0.2	ME- MS41 P ppm 10	ME- MS41 Pb ppm 0.2	ME- MS41 Rb ppm 0.1	ME- MS41 Re ppm 0.001	ME- MS41 S % 0.01	ME- MS41 Sb ppm 0.05	ME- MS41 Sc ppm 0.1	ME- MS41 Se ppm 0.2	ME- MS41 Sn ppm 0.2	ME- MS41 Sr ppm 0.2	ME- MS41 Ta ppm 0.01	ME- MS41 Te ppm 0.01	ME- MS41 Th ppm 0.2
CC117838		1.61	5.3	580	11.4	36.1	<0.001	0.01	4.55	6.6	0.7	0.8	102.5	<0.01	0.02	12.3
CC117839		0.68	46.4	730	41.3	30.4	<0.001	0.03	4.96	6.9	1.2	0.9	63.3	<0.01	0.05	10.7
CC117840		0.75	36.1	520	24.1	19.5	<0.001	0.03	2.78	3.9	0.9	0.5	60.0	<0.01	0.09	6.2
CC117841		0.66	36.7	530	23.8	19.3	<0.001	0.10	3.58	3.5	0.7	0.4	92.1	<0.01	0.03	11.2
CC117842		1.13	35.7	710	22.5	30.9	<0.001	0.05	1.92	3.5	0.6	0.7	93.4	<0.01	0.04	4.3
CC117843		0.83	57.0	590	23.1	24.3	<0.001	0.03	3.42	3.8	0.8	0.4	36.1	<0.01	0.04	9.5
CC117844		0.66	17.6	910	42.6	18.6	<0.001	0.14	3.28	2.6	2.7	0.3	12.7	<0.01	0.15	15.5
CC117845		0.51	22.1	870	53.6	26.6	0.001	0.17	8.79	3.5	1.8	0.4	10.8	<0.01	0.23	4.6
CC117846		1.03	17.4	280	22.8	16.1	<0.001	0.02	2.04	1.8	0.6	0.5	6.2	<0.01	0.03	7.5
CC117847		0.58	26.2	370	30.1	8.7	<0.001	0.03	3.38	1.6	1.7	0.2	4.0	<0.01	0.19	9.7
CC117848		0.23	1.1	490	1.0	1.1	<0.001	0.01	0.07	0.4	0.2	<0.2	13.4	<0.01	<0.01	0.2
CC117849		0.71	26.5	540	17.7	16.3	<0.001	0.06	1.43	1.7	0.5	0.6	13.7	<0.01	0.03	0.7
CC117850		0.68	29.5	520	21.8	25.3	<0.001	0.04	1.65	2.6	0.8	0.7	57.2	<0.01	0.05	1.3
CC117412		0.83	16.2	640	19.9	12.3	<0.001	0.05	1.60	1.3	0.9	0.4	15.3	<0.01	0.03	0.6
CC117413		0.75	15.2	710	13.8	13.0	<0.001	0.07	1.42	1.1	0.8	0.3	42.7	<0.01	0.03	0.8
CC117414		0.34	6.8	760	6.0	7.2	<0.001	0.07	0.96	0.4	0.2	0.3	35.1	<0.01	0.01	<0.2
CC118247		0.65	20.0	580	13.7	14.1	<0.001	0.04	1.28	1.5	0.4	0.5	20.8	<0.01	0.01	0.5
CC118248		0.62	19.6	760	22.9	15.2	<0.001	0.08	2.81	1.3	1.4	0.3	11.4	<0.01	0.09	2.2
CC118249		0.64	78.8	1080	58.7	27.4	<0.001	0.24	7.45	4.7	1.8	0.5	14.1	<0.01	0.16	10.0
CC118250		0.39	7.6	500	9.1	9.9	<0.001	0.01	1.04	0.4	0.6	0.4	8.4	<0.01	0.02	<0.2
CC118251		1.32	16.2	390	13.0	18.3	<0.001	0.03	2.05	2.6	0.6	0.5	11.2	<0.01	0.02	2.1
CC118252		0.18	5.1	500	8.8	6.1	<0.001	0.04	0.50	0.3	0.3	0.3	7.4	<0.01	0.01	<0.2
CC118253		0.11	3.2	520	4.1	5.1	<0.001	0.04	0.32	0.2	<0.2	0.3	7.4	<0.01	0.02	<0.2
CC118254		0.15	4.3	330	3.6	4.6	<0.001	0.02	0.51	0.2	<0.2	0.4	6.2	<0.01	0.03	<0.2
CC118255		1.23	19.6	360	16.6	17.5	<0.001	0.02	1.80	2.2	0.6	0.4	8.4	<0.01	0.05	5.3
CC118256		0.87	11.7	380	19.0	15.2	<0.001	0.01	0.79	1.4	0.3	0.5	16.2	<0.01	0.02	1.1
CC118257		0.71	14.3	440	11.6	13.3	<0.001	0.02	0.99	0.9	<0.2	0.4	16.2	<0.01	0.04	0.6
CC118258		0.29	23.8	730	14.3	13.7	<0.001	0.03	3.09	0.5	0.4	0.4	9.9	<0.01	0.06	0.7
CC118259		0.22	10.6	430	9.9	8.2	<0.001	0.02	1.00	0.3	0.2	0.4	6.9	<0.01	0.02	0.2
CC118260		0.27	14.2	470	12.1	10.4	<0.001	0.02	1.14	0.4	<0.2	0.6	28.8	<0.01	0.03	<0.2
CC118261		0.11	4.6	250	6.8	6.1	<0.001	0.01	0.58	0.2	<0.2	0.3	6.3	<0.01	0.01	<0.2
CC118262		0.29	11.3	530	6.8	10.0	<0.001	0.04	0.86	0.4	0.4	0.4	10.0	<0.01	0.03	<0.2
CC118263		0.16	1.7	160	0.8	1.7	<0.001	0.01	0.13	0.3	<0.2	0.2	5.3	<0.01	0.01	0.2
CC118264		<0.05	1.2	300	0.4	1.1	<0.001	0.01	<0.05	<0.1	<0.2	0.2	6.2	<0.01	0.01	<0.2
CC118265		0.22	7.1	790	6.0	8.3	<0.001	0.05	0.57	0.2	0.2	0.4	29.2	<0.01	0.03	<0.2
CC118266		0.19	6.1	680	5.7	6.1	<0.001	0.04	0.40	0.2	<0.2	0.4	11.3	<0.01	0.01	<0.2
CC118267		1.99	35.3	1020	16.1	26.8	0.001	0.04	2.91	6.3	1.1	0.8	63.6	<0.01	0.08	4.2
CC118268		2.14	40.0	1110	16.7	29.0	0.001	0.05	3.03	6.8	1.7	0.8	67.2	<0.01	0.07	4.1



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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
CC117838		0.101	0.25	8.70	40	2.52	14.35	45	<0.5
CC117839		0.042	0.24	2.44	60	0.59	10.95	150	0.7
CC117840		0.036	0.15	1.64	38	0.34	7.72	95	0.5
CC117841		0.031	0.16	1.64	22	0.33	8.14	126	1.1
CC117842		0.052	0.22	1.14	36	0.27	6.87	99	<0.5
CC117843		0.050	0.20	1.61	28	0.26	10.20	79	0.5
CC117844		0.021	0.26	2.55	21	0.13	5.20	71	2.0
CC117845		0.031	0.29	2.36	33	0.17	5.29	111	<0.5
CC117846		0.031	0.16	0.98	42	0.25	4.46	58	0.9
CC117847		0.017	0.14	1.75	17	0.10	3.62	62	1.0
CC117848		0.026	0.03	0.13	14	<0.05	1.42	7	0.6
CC117849		0.064	0.16	0.95	45	0.21	5.03	84	<0.5
CC117850		0.038	0.20	1.05	45	0.37	4.97	98	<0.5
CC117412		0.023	0.15	1.26	31	0.23	9.07	81	<0.5
CC117413		0.024	0.13	3.18	23	0.18	4.14	372	0.7
CC117414		0.014	0.08	1.03	18	0.33	2.00	40	<0.5
CC118247		0.028	0.17	1.18	36	0.32	3.91	63	<0.5
CC118248		0.016	0.18	1.68	18	0.10	4.36	63	0.5
CC118249		0.029	0.31	3.48	34	0.12	11.70	228	2.3
CC118250		0.028	0.09	0.51	36	0.25	1.59	37	<0.5
CC118251		0.063	0.16	0.72	39	1.42	3.49	65	0.5
CC118252		0.013	0.08	0.49	21	0.26	1.62	21	<0.5
CC118253		0.010	0.06	0.48	15	0.09	1.80	13	<0.5
CC118254		0.011	0.05	0.38	22	0.14	1.12	16	<0.5
CC118255		0.022	0.14	0.55	33	0.21	2.96	64	1.7
CC118256		0.029	0.12	0.45	43	0.19	2.03	77	<0.5
CC118257		0.027	0.09	0.45	27	0.19	2.10	59	<0.5
CC118258		0.014	0.11	0.90	27	0.12	4.16	83	<0.5
CC118259		0.015	0.10	0.45	31	0.20	1.75	40	<0.5
CC118260		0.021	0.10	0.49	43	0.18	2.89	51	<0.5
CC118261		0.015	0.05	0.18	22	0.13	0.69	20	<0.5
CC118262		0.021	0.10	0.58	31	0.29	1.79	42	<0.5
CC118263		0.016	0.02	0.09	11	<0.05	0.28	7	<0.5
CC118264		0.010	<0.02	0.06	10	<0.05	0.10	4	<0.5
CC118265		0.013	0.10	0.67	24	0.26	2.22	29	<0.5
CC118266		0.015	0.07	0.58	18	0.16	2.15	22	<0.5
CC118267		0.106	0.24	3.90	61	2.21	12.90	112	0.5
CC118268		0.114	0.24	4.63	66	2.52	14.30	131	0.6



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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).



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CERTIFICATE WH11115586

Project: Lansing - Lisa

P.O. No.:

This report is for 9 Rock samples submitted to our lab in Whitehorse, YT, Canada on 22-JUN- 2011.

The following have access to data associated with this certificate:

DOUG EATON

SARAH EATON

JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- TL44	Trace Level Au - 50 g AR	ICP- MS
ME- MS41	51 anal. aqua regia ICPMS	

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- TL44 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
I079009		0.46	<0.001	0.10	0.26	11.5	<0.2	<10	50	0.27	0.13	0.01	0.02	6.00	0.9	15
I079010		0.50	0.017	0.06	0.46	343	<0.2	<10	120	0.65	0.09	9.29	0.08	16.55	20.5	51
I079011		0.65	0.002	0.31	2.50	24.2	<0.2	<10	190	0.81	0.49	1.87	0.03	46.9	17.8	51
I079012		0.33	0.001	0.33	3.41	15.3	<0.2	<10	150	1.32	0.15	1.55	0.02	48.8	17.2	57
I079013		0.49	<0.001	0.05	1.23	6.1	<0.2	<10	70	0.56	0.22	0.11	0.04	52.2	3.1	12
I079014		0.40	<0.001	0.22	1.21	5.5	<0.2	<10	100	0.78	0.40	0.02	0.03	64.1	12.0	8
I079015		0.42	<0.001	0.03	1.23	2.1	<0.2	<10	110	0.43	0.09	0.36	0.04	16.95	4.9	16
I079016		0.36	<0.001	0.05	2.76	23.9	<0.2	<10	390	2.10	0.27	0.14	0.07	49.3	17.3	22
I079017		0.32	<0.001	0.14	2.39	28.2	<0.2	<10	140	1.28	0.29	0.30	0.01	48.3	17.7	57



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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
I079009		0.44	25.4	1.88	2.25	0.07	0.02	<0.01	0.015	0.07	2.7	3.7	0.05	75	0.89
I079010		1.08	15.4	3.47	1.64	0.08	0.04	<0.01	0.024	0.17	8.1	8.2	2.46	1640	0.05
I079011		6.00	43.0	4.16	11.15	0.14	0.21	<0.01	0.023	1.05	21.3	83.5	0.78	212	0.35
I079012		5.27	25.2	2.83	11.70	0.09	0.09	0.02	0.031	0.85	25.0	63.1	0.74	254	0.48
I079013		1.74	9.3	1.91	3.33	0.05	0.15	0.01	0.009	0.29	26.6	12.9	0.30	229	0.24
I079014		1.89	33.7	2.68	3.31	0.06	0.11	0.01	0.008	0.53	30.7	11.8	0.33	158	0.58
I079015		1.03	26.1	2.14	3.04	<0.05	0.12	0.02	0.019	0.11	7.8	16.1	0.32	1400	0.15
I079016		10.05	67.4	3.01	6.44	0.06	0.24	0.01	0.029	0.69	23.2	79.6	1.03	288	0.46
I079017		8.03	20.5	3.44	8.99	0.10	0.12	0.01	0.012	0.86	24.6	87.8	0.98	283	0.36



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Sample Description	Method Analyte Units LOR	ME- MS41 Nb ppm 0.05	ME- MS41 Ni ppm 0.2	ME- MS41 P ppm 10	ME- MS41 Pb ppm 0.2	ME- MS41 Rb ppm 0.1	ME- MS41 Re ppm 0.001	ME- MS41 S % 0.01	ME- MS41 Sb ppm 0.05	ME- MS41 Sc ppm 0.1	ME- MS41 Se ppm 0.2	ME- MS41 Sn ppm 0.2	ME- MS41 Sr ppm 0.2	ME- MS41 Ta ppm 0.01	ME- MS41 Te ppm 0.01	ME- MS41 Th ppm 0.2
I079009		0.10	2.1	160	9.4	4.8	<0.001	0.01	10.20	1.1	0.2	<0.2	5.0	<0.01	0.01	3.1
I079010		0.07	96.2	670	1.3	7.4	<0.001	0.03	8.24	8.8	0.5	<0.2	432	<0.01	0.02	1.8
I079011		0.24	42.5	770	17.7	96.7	0.001	1.77	2.23	11.3	0.6	1.0	78.1	0.01	0.01	20.8
I079012		0.67	36.9	260	6.7	89.3	<0.001	0.58	1.52	11.4	0.7	1.1	107.0	0.01	0.03	12.7
I079013		0.32	9.6	200	9.2	17.3	<0.001	0.05	1.25	1.5	0.3	0.3	17.5	<0.01	0.03	13.2
I079014		<0.05	22.8	140	30.0	32.4	<0.001	1.15	0.71	1.2	0.5	0.3	6.9	<0.01	0.03	14.6
I079015		0.20	13.5	130	4.1	7.2	<0.001	0.07	0.28	1.6	<0.2	0.4	26.7	<0.01	0.01	5.9
I079016		<0.05	32.2	240	5.8	64.5	0.001	0.98	0.44	3.6	0.4	0.3	26.5	<0.01	0.18	10.8
I079017		0.60	40.9	280	5.0	82.2	0.001	0.84	2.02	9.7	1.1	0.7	23.4	0.01	0.02	17.1



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CERTIFICATE OF ANALYSIS WH11115586

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
I079009		<0.005	0.03	0.18	7	0.27	1.33	11	0.9
I079010		0.011	0.05	0.14	23	0.55	8.38	42	1.2
I079011		0.137	0.52	1.89	57	0.14	14.60	34	7.5
I079012		0.180	0.46	1.35	59	0.32	6.74	36	2.7
I079013		0.022	0.12	1.03	10	0.07	3.98	38	4.7
I079014		0.013	0.20	1.16	8	<0.05	4.38	46	5.5
I079015		0.049	0.05	0.60	10	1.19	3.09	26	3.2
I079016		0.036	0.40	1.00	24	0.06	7.93	148	9.1
I079017		0.168	0.62	2.11	58	0.29	7.16	30	3.4



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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).



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CERTIFICATE WH11149866

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P.O. No.:

This report is for 168 Soil samples submitted to our lab in Whitehorse, YT, Canada on 3- AUG- 2011.

The following have access to data associated with this certificate:

DOUG EATON

SARAH EATON

JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11149866

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
DD006551		0.32	0.002	0.05	2.52	19.7	<0.2	<10	400	1.05	0.12	0.25	0.22	70.8	9.1	15
DD006552		0.22	0.001	0.04	1.94	15.1	<0.2	<10	170	0.92	0.13	0.17	0.35	71.8	8.5	15
DD006553		0.22	0.002	0.03	1.76	15.1	<0.2	<10	210	0.86	0.13	0.22	0.35	48.7	7.8	15
DD006554		0.20	0.002	0.06	2.19	17.2	<0.2	<10	230	0.98	0.13	0.20	0.23	42.7	8.5	15
DD006555		0.22	0.002	0.03	2.07	17.5	<0.2	<10	230	0.79	0.42	0.21	0.30	61.1	9.5	15
DD006556		0.24	0.002	0.07	2.27	25.8	<0.2	<10	250	0.86	0.27	0.19	0.25	47.2	10.2	20
DD006557		0.24	0.002	0.05	1.74	12.8	<0.2	<10	220	0.58	0.14	0.20	0.28	38.7	7.7	15
DD006558		0.20	0.002	0.06	1.99	16.1	<0.2	<10	180	0.77	0.17	0.13	0.26	40.1	8.8	16
DD006559		0.20	0.001	0.07	1.68	34.6	<0.2	<10	150	0.76	0.19	0.16	0.34	44.4	7.3	13
DD006560		0.22	0.002	0.09	1.84	33.8	<0.2	<10	210	0.78	0.20	0.19	0.32	47.5	8.4	15
DD006561		0.18	0.002	0.07	1.46	54.5	<0.2	<10	130	0.49	0.18	0.12	0.21	35.0	5.9	14
DD006562		0.30	0.003	0.03	2.01	36.3	<0.2	<10	180	0.76	0.10	0.20	0.26	53.9	8.8	17
DD006563		0.28	0.003	0.09	2.19	29.1	<0.2	<10	180	0.67	0.13	0.18	0.29	45.8	10.0	17
DD006564		0.20	0.004	0.06	2.13	89.7	<0.2	<10	180	0.85	0.24	0.16	0.22	54.4	9.2	17
DD006565		0.24	0.003	0.06	2.06	29.2	<0.2	<10	190	0.80	0.19	0.23	0.14	68.0	8.7	20
DD006566		0.26	0.007	0.08	2.10	122.5	<0.2	<10	100	0.70	0.33	0.13	0.15	52.7	6.6	9
DD006567		0.16	0.004	0.11	1.75	25.8	<0.2	<10	100	0.84	0.30	0.11	0.13	32.9	8.6	26
DD006568		0.20	0.002	0.07	0.97	15.5	<0.2	<10	40	0.28	0.22	0.03	0.09	27.8	2.7	14
DD006569		0.28	0.003	0.10	1.49	20.3	<0.2	<10	100	0.37	0.48	0.05	0.16	31.2	7.7	23
DD006570		0.24	0.002	0.16	0.80	22.8	<0.2	<10	80	0.20	0.33	0.03	0.23	28.6	3.4	14
DD006571		0.22	0.001	0.43	2.30	11.9	<0.2	<10	150	1.41	0.41	0.09	0.15	31.9	21.5	30
DD006572		0.22	0.001	0.13	0.64	13.3	<0.2	<10	50	0.17	0.31	0.03	0.14	21.7	3.9	11
DD006573		0.18	0.002	0.21	0.77	72.0	<0.2	<10	70	0.27	0.32	0.07	0.14	25.2	3.7	13
DD006574		0.24	0.002	0.10	1.00	22.0	<0.2	<10	100	0.44	0.34	0.04	0.19	20.1	8.4	17
DD006575		0.20	0.001	0.27	1.80	10.7	<0.2	<10	80	1.28	0.29	0.08	0.20	32.2	6.3	23
DD006576		0.22	0.002	0.17	1.56	40.1	<0.2	<10	60	0.72	0.47	0.02	0.10	97.7	2.5	9
DD006577		0.26	0.009	0.12	1.19	71.2	<0.2	<10	70	0.57	0.46	0.03	0.06	63.1	3.3	14
DD006578		0.22	0.003	0.15	1.30	27.1	<0.2	<10	160	0.80	0.26	0.05	0.22	44.6	11.6	17
DD006579		0.20	0.007	0.10	2.05	50.4	<0.2	<10	260	1.48	0.24	0.18	0.25	44.7	19.3	21
DD006580		0.22	0.001	0.15	1.07	35.6	<0.2	<10	80	0.49	0.34	0.05	0.15	29.2	5.3	18
DD006581		0.24	0.006	0.12	1.19	29.9	<0.2	<10	100	0.64	0.27	0.02	0.13	45.8	8.5	18
DD006582		0.20	0.002	0.05	1.54	32.1	<0.2	<10	130	0.86	0.30	0.03	0.21	46.2	13.3	21
DD006583		0.20	0.001	0.12	1.16	33.8	<0.2	<10	90	0.52	0.32	0.03	0.17	45.2	7.3	19
DD006584		0.20	0.003	0.35	1.37	30.4	<0.2	<10	100	0.70	0.31	0.04	0.44	42.6	7.8	19
DD006585		0.20	0.002	0.13	1.52	93.5	<0.2	<10	190	0.66	0.41	0.35	0.16	35.0	10.1	20
DD006586		0.20	0.002	0.18	1.87	95.8	<0.2	<10	170	1.58	0.50	0.08	0.28	82.0	29.7	24
DD006587		0.20	0.005	0.25	2.54	80.3	<0.2	<10	120	2.53	0.48	0.07	0.11	85.7	16.4	21
DD006588		0.22	0.001	0.07	1.84	29.7	<0.2	<10	90	1.58	0.26	0.12	0.06	52.6	15.1	19
DD006589		0.18	<0.001	0.12	2.67	23.8	<0.2	<10	130	1.81	0.50	0.22	0.17	58.4	20.5	27
DD006590		0.24	0.001	0.15	1.96	21.5	<0.2	<10	110	1.06	0.40	0.90	0.34	35.7	19.7	22



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CERTIFICATE OF ANALYSIS WH11149866

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
DD006551		5.68	13.5	3.03	8.53	0.14	0.03	0.02	0.026	0.27	36.1	36.7	0.57	484	0.93
DD006552		3.55	9.6	2.93	8.27	0.13	0.02	0.03	0.027	0.20	36.1	34.4	0.51	570	0.87
DD006553		2.95	14.3	2.47	6.47	0.12	0.04	0.02	0.026	0.17	24.5	27.6	0.47	379	1.05
DD006554		3.84	12.9	2.99	7.90	0.13	0.02	0.03	0.027	0.23	21.5	32.4	0.59	487	0.96
DD006555		3.64	13.7	3.07	7.65	0.14	0.02	0.03	0.029	0.22	29.7	34.8	0.60	462	1.00
DD006556		3.61	19.7	3.13	8.32	0.11	<0.02	0.03	0.032	0.15	21.8	29.3	0.57	485	1.49
DD006557		2.54	12.7	2.61	6.45	0.11	<0.02	0.03	0.025	0.16	18.9	25.3	0.49	393	1.04
DD006558		2.83	14.2	2.70	7.49	0.11	0.02	0.04	0.024	0.14	19.0	26.1	0.46	512	1.27
DD006559		2.74	11.4	2.48	6.84	0.12	0.02	0.03	0.022	0.14	21.1	25.3	0.41	375	0.86
DD006560		3.07	15.0	2.67	7.35	0.13	0.02	0.03	0.028	0.14	24.4	26.4	0.46	423	1.22
DD006561		2.70	11.2	2.38	7.89	0.10	<0.02	0.02	0.023	0.10	16.4	16.7	0.32	245	1.17
DD006562		4.42	13.4	3.08	8.43	0.13	0.02	0.01	0.025	0.18	26.0	33.6	0.54	393	0.88
DD006563		3.89	14.2	2.87	7.90	0.13	0.04	0.03	0.029	0.17	22.9	28.9	0.47	399	1.36
DD006564		3.71	10.0	2.99	8.07	0.11	<0.02	0.02	0.028	0.14	22.8	34.8	0.48	482	0.85
DD006565		3.51	13.9	3.03	7.30	0.14	<0.02	0.02	0.028	0.15	34.1	26.3	0.56	414	1.13
DD006566		5.75	4.3	2.68	7.93	0.13	<0.02	0.01	0.024	0.18	18.0	20.0	0.47	275	0.55
DD006567		2.77	25.6	3.07	7.51	0.11	<0.02	0.06	0.029	0.09	15.4	26.6	0.42	288	1.62
DD006568		2.21	11.5	2.43	7.01	0.10	<0.02	0.03	0.015	0.07	13.1	6.1	0.12	128	0.98
DD006569		2.95	23.1	3.48	6.47	0.11	<0.02	0.05	0.025	0.11	15.3	24.9	0.33	481	1.59
DD006570		1.97	13.8	2.16	6.90	0.10	<0.02	0.05	0.016	0.05	14.9	2.4	0.06	98	2.39
DD006571		10.60	65.7	3.44	8.14	0.05	<0.02	0.05	0.031	0.33	14.6	40.4	0.66	1740	0.59
DD006572		1.34	12.4	2.24	5.22	<0.05	<0.02	0.06	0.016	0.04	10.6	4.5	0.08	184	1.73
DD006573		2.58	18.0	2.30	5.67	<0.05	<0.02	0.06	0.018	0.07	13.1	5.0	0.09	155	1.68
DD006574		1.60	25.5	3.72	5.07	<0.05	<0.02	0.09	0.021	0.06	9.5	15.1	0.21	437	2.08
DD006575		3.36	26.1	2.90	7.42	<0.05	<0.02	0.10	0.028	0.09	15.4	25.7	0.27	286	1.57
DD006576		5.58	42.8	3.26	5.85	0.09	<0.02	0.06	0.014	0.11	54.1	17.9	0.16	323	1.49
DD006577		3.46	41.7	3.92	5.51	0.06	<0.02	0.07	0.014	0.12	36.1	10.9	0.20	572	1.14
DD006578		1.84	26.2	2.78	4.18	0.06	0.02	0.04	0.020	0.11	21.9	23.8	0.31	465	1.26
DD006579		3.52	26.5	2.81	5.71	0.06	0.07	0.05	0.023	0.13	19.6	41.6	0.54	2380	0.63
DD006580		1.70	13.9	2.66	5.59	<0.05	<0.02	0.04	0.017	0.10	14.6	13.3	0.21	301	1.51
DD006581		1.73	18.7	2.83	4.64	<0.05	<0.02	0.05	0.020	0.10	22.6	23.3	0.32	389	0.88
DD006582		2.34	22.3	3.39	4.87	<0.05	<0.02	0.04	0.023	0.15	22.8	28.9	0.39	504	1.35
DD006583		2.22	19.6	3.02	5.63	0.06	<0.02	0.03	0.022	0.12	22.4	19.4	0.26	326	1.48
DD006584		2.15	18.3	2.91	5.24	<0.05	0.02	0.07	0.015	0.11	21.4	29.9	0.23	283	1.21
DD006585		2.50	16.1	3.05	5.71	0.07	0.02	0.02	0.020	0.16	16.8	25.0	0.42	513	0.87
DD006586		4.44	38.9	3.79	6.90	0.07	<0.02	0.03	0.022	0.25	34.9	37.7	0.41	1560	1.42
DD006587		8.74	55.5	5.47	6.79	0.07	0.05	0.04	0.017	0.20	46.4	70.8	0.38	476	1.09
DD006588		6.07	29.2	2.85	5.83	0.06	<0.02	0.05	0.018	0.21	25.8	37.6	0.37	847	1.00
DD006589		7.31	37.5	4.72	9.38	0.07	<0.02	0.04	0.030	0.24	32.5	59.6	0.46	966	2.34
DD006590		5.21	27.2	3.69	6.73	0.06	<0.02	0.04	0.032	0.16	15.7	40.2	0.40	883	1.09



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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
DD006551		2.61	13.9	860	9.7	47.0	0.001	0.01	1.80	7.0	0.8	1.1	42.9	0.01	0.02
DD006552		3.11	11.6	780	9.5	33.4	<0.001	0.03	1.45	5.3	0.7	1.2	47.3	<0.01	0.02
DD006553		2.91	16.6	810	8.0	28.8	<0.001	0.02	1.60	5.3	0.6	0.9	32.1	<0.01	0.04
DD006554		3.14	13.3	760	9.0	36.5	<0.001	0.02	1.52	6.8	0.7	1.2	36.2	0.01	0.02
DD006555		3.42	13.9	700	8.2	35.5	<0.001	0.03	2.14	6.3	0.5	1.2	21.8	<0.01	0.02
DD006556		1.94	18.4	800	11.1	30.3	<0.001	0.03	1.31	5.0	0.8	1.1	34.1	0.01	0.05
DD006557		2.38	14.5	700	7.3	28.5	<0.001	0.02	0.82	4.6	0.8	0.8	22.6	<0.01	0.01
DD006558		2.26	15.7	700	9.2	29.4	<0.001	0.05	0.87	3.9	0.6	0.9	15.0	<0.01	0.03
DD006559		2.51	11.7	750	8.4	25.0	<0.001	0.05	1.02	4.0	0.8	0.8	13.6	<0.01	0.03
DD006560		2.20	16.8	770	9.4	27.9	<0.001	0.03	1.35	5.0	0.6	0.8	20.2	0.01	0.03
DD006561		2.11	10.4	660	9.2	17.0	<0.001	0.05	1.26	3.0	0.6	0.9	17.5	<0.01	0.04
DD006562		2.98	13.2	530	9.4	29.9	<0.001	0.02	1.23	6.4	0.7	0.7	56.5	<0.01	0.02
DD006563		3.38	20.8	850	14.9	33.8	<0.001	0.03	1.31	6.3	0.8	0.8	14.9	0.01	0.02
DD006564		2.83	13.3	480	10.4	26.7	<0.001	0.03	1.57	5.8	0.7	0.7	19.0	<0.01	0.04
DD006565		1.94	16.9	740	10.1	27.1	<0.001	0.02	1.33	5.6	1.0	0.8	21.0	<0.01	0.03
DD006566		2.07	5.9	420	11.0	27.9	0.001	0.01	4.74	5.0	0.5	0.7	8.3	<0.01	0.01
DD006567		1.53	26.6	450	18.4	15.4	<0.001	0.04	1.36	2.9	0.7	0.7	13.6	<0.01	0.05
DD006568		0.84	7.8	380	10.2	13.4	<0.001	0.03	4.11	1.2	0.4	0.6	4.2	<0.01	0.04
DD006569		0.89	21.9	530	21.6	16.4	<0.001	0.05	2.77	1.5	0.7	0.7	8.0	0.01	0.05
DD006570		0.76	11.0	440	14.0	9.6	<0.001	0.04	20.0	0.9	0.8	1.0	6.9	<0.01	0.07
DD006571		1.09	32.3	580	13.7	49.3	0.001	0.06	2.21	3.4	<0.2	0.8	12.8	<0.01	0.06
DD006572		0.58	9.2	430	16.9	7.8	<0.001	0.04	1.42	0.8	<0.2	0.6	5.9	<0.01	0.07
DD006573		0.99	11.7	630	13.4	12.8	<0.001	0.09	2.01	0.9	0.3	0.7	14.2	<0.01	0.02
DD006574		0.99	18.2	470	28.2	11.2	0.001	0.04	1.73	2.0	0.3	0.5	8.9	<0.01	0.06
DD006575		1.37	15.3	730	15.2	14.0	0.001	0.07	1.03	1.1	0.5	0.8	13.1	<0.01	0.03
DD006576		0.60	15.9	770	26.1	18.5	0.001	0.09	5.30	0.7	0.5	0.2	21.3	<0.01	0.17
DD006577		0.57	9.7	670	25.5	20.8	<0.001	0.09	3.18	1.1	0.4	0.4	14.5	<0.01	0.05
DD006578		0.73	24.2	490	16.2	14.1	0.001	0.03	2.08	1.4	0.5	0.3	11.8	<0.01	0.02
DD006579		1.30	34.2	540	22.4	17.3	<0.001	0.02	3.10	2.7	0.5	0.4	30.2	<0.01	0.06
DD006580		1.01	13.3	410	104.5	18.0	<0.001	0.04	1.90	1.2	<0.2	0.6	9.1	<0.01	0.02
DD006581		0.58	19.5	340	17.3	14.3	0.001	0.03	1.83	1.0	<0.2	0.4	6.5	<0.01	<0.01
DD006582		0.97	27.4	350	21.8	17.5	<0.001	0.02	2.01	1.7	0.7	0.4	8.5	<0.01	0.03
DD006583		1.22	19.1	340	16.3	19.1	0.001	0.02	1.99	1.8	<0.2	0.5	9.0	<0.01	0.04
DD006584		1.48	18.3	330	25.4	21.8	<0.001	0.03	2.07	1.8	<0.2	0.5	8.7	<0.01	0.03
DD006585		1.08	20.5	420	21.6	22.9	<0.001	0.01	3.01	2.2	0.5	0.5	31.2	<0.01	0.06
DD006586		1.59	38.3	520	31.6	34.7	<0.001	0.04	5.04	2.6	0.6	0.7	21.1	<0.01	0.14
DD006587		1.29	34.2	730	27.6	24.1	<0.001	0.09	4.05	2.3	1.6	0.5	24.2	<0.01	0.03
DD006588		1.38	26.8	380	16.0	24.2	<0.001	0.03	4.64	2.0	<0.2	0.5	23.5	<0.01	<0.01
DD006589		2.35	31.6	520	20.6	45.8	<0.001	0.05	4.52	3.2	<0.2	0.8	30.2	<0.01	0.05
DD006590		1.35	27.4	790	27.6	38.5	0.001	0.10	1.45	2.4	<0.2	0.6	54.0	<0.01	0.06



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD006551		0.102	0.34	4.53	52	3.25	15.15	77	0.8
DD006552		0.128	0.28	1.18	54	0.52	9.46	77	<0.5
DD006553		0.107	0.23	1.35	45	0.70	10.25	77	1.0
DD006554		0.144	0.29	1.76	55	0.65	9.40	77	0.7
DD006555		0.156	0.29	1.26	56	7.29	9.32	80	0.5
DD006556		0.097	0.27	3.14	59	0.95	8.60	83	<0.5
DD006557		0.119	0.24	1.39	49	2.00	7.67	74	<0.5
DD006558		0.105	0.23	1.50	52	0.91	6.27	74	<0.5
DD006559		0.103	0.21	1.13	45	0.63	7.03	64	<0.5
DD006560		0.097	0.20	1.83	49	1.75	8.74	73	<0.5
DD006561		0.085	0.18	1.17	49	2.16	4.84	46	<0.5
DD006562		0.101	0.27	1.47	50	0.58	9.03	67	0.6
DD006563		0.128	0.27	2.06	50	4.76	9.70	78	1.1
DD006564		0.100	0.25	1.58	51	0.52	8.06	70	<0.5
DD006565		0.090	0.28	3.14	53	0.59	13.60	69	<0.5
DD006566		0.060	0.32	1.35	43	1.05	7.85	45	<0.5
DD006567		0.051	0.17	1.03	48	0.57	3.96	86	<0.5
DD006568		0.022	0.12	0.58	41	0.38	2.90	38	<0.5
DD006569		0.045	0.17	0.88	46	0.36	3.52	70	<0.5
DD006570		0.037	0.16	0.68	69	0.36	2.32	53	<0.5
DD006571		0.058	0.33	0.71	44	0.18	4.51	88	<0.5
DD006572		0.020	0.10	0.48	41	0.26	1.88	49	<0.5
DD006573		0.034	0.11	0.75	49	0.30	2.33	48	<0.5
DD006574		0.026	0.19	0.67	42	0.25	2.90	78	<0.5
DD006575		0.032	0.16	0.98	44	0.28	3.52	49	<0.5
DD006576		0.011	0.14	1.95	14	0.08	3.84	40	<0.5
DD006577		0.027	0.16	1.42	22	0.11	3.21	34	0.5
DD006578		0.017	0.14	0.79	28	0.37	4.61	66	<0.5
DD006579		0.043	0.18	0.85	21	0.24	7.03	62	3.2
DD006580		0.040	0.14	0.64	42	0.26	2.74	58	<0.5
DD006581		0.023	0.13	0.62	28	0.21	3.49	53	<0.5
DD006582		0.024	0.17	0.67	32	0.20	4.22	77	<0.5
DD006583		0.031	0.16	0.69	37	0.22	3.31	62	<0.5
DD006584		0.027	0.19	0.67	34	0.25	3.26	65	0.6
DD006585		0.036	0.17	0.60	33	0.20	4.36	73	<0.5
DD006586		0.062	0.30	1.41	36	0.26	7.13	66	0.6
DD006587		0.027	0.23	2.02	24	0.14	6.07	78	1.8
DD006588		0.033	0.18	0.99	25	0.22	4.85	56	<0.5
DD006589		0.054	0.28	1.43	41	0.42	5.25	108	0.5
DD006590		0.052	0.19	1.50	30	0.20	7.83	119	0.6



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North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD006591		0.24	0.001	0.10	2.42	18.2	<0.2	<10	130	1.30	0.34	0.82	0.25	49.3	17.0	33
DD006592		0.24	<0.001	0.22	0.83	7.2	<0.2	<10	40	0.33	0.08	0.04	0.08	11.40	5.5	7
DD006593		0.20	0.002	0.19	2.38	30.7	<0.2	<10	130	1.23	0.40	0.28	0.37	44.3	21.4	28
DD006594		0.18	0.001	0.10	2.12	26.5	<0.2	<10	110	0.78	0.37	0.29	0.43	42.6	13.7	29
DD006595		0.18	0.001	0.37	1.11	39.1	<0.2	<10	160	0.36	0.18	0.13	0.85	23.7	13.0	14
DD006596		0.22	0.001	0.13	1.83	39.7	<0.2	<10	230	0.53	0.22	0.13	0.25	33.5	10.1	19
DD006597		0.18	0.005	0.06	2.01	34.3	<0.2	<10	260	1.07	0.36	0.10	0.24	56.9	10.3	22
DD006996		0.22	0.001	0.05	2.38	46.1	<0.2	<10	280	0.90	0.27	0.24	0.25	31.9	7.8	16
DD006997		0.18	0.002	0.02	1.66	32.5	<0.2	<10	130	0.80	0.14	0.15	0.19	43.3	7.3	13
DD006998		0.26	0.002	0.04	1.80	18.3	<0.2	<10	210	0.98	0.08	0.39	0.18	51.8	7.3	13
DD006999		0.32	0.007	0.05	2.60	35.7	<0.2	<10	370	1.32	0.09	0.50	0.14	101.5	8.7	11
DD007000		0.22	0.003	0.12	2.37	23.6	<0.2	<10	230	0.95	0.25	0.23	0.39	66.2	8.7	18
ZZ12101		0.22	0.005	0.06	1.89	41.5	<0.2	<10	170	0.65	0.93	0.23	0.43	40.3	9.3	17
ZZ12102		0.36	<0.001	0.02	2.90	7.3	<0.2	<10	210	0.88	0.18	0.53	0.13	55.5	6.3	9
ZZ12103		0.20	0.001	0.08	1.85	12.5	<0.2	<10	160	0.73	0.34	0.32	0.48	37.6	15.0	26
ZZ12104		0.30	0.001	0.15	1.38	13.1	<0.2	<10	90	0.51	0.39	0.08	0.18	30.9	5.7	30
ZZ12105		0.26	0.001	0.23	1.05	9.2	<0.2	10	80	0.48	0.35	4.50	0.62	37.1	14.6	9
ZZ12106		0.28	0.022	0.22	1.96	236	<0.2	<10	60	0.92	0.50	0.11	0.47	56.0	19.2	31
ZZ12107		0.20	0.010	0.21	3.53	7.7	<0.2	<10	70	1.80	0.27	0.99	0.31	59.0	18.1	17
ZZ12108		0.28	0.003	0.13	2.34	11.4	<0.2	<10	160	0.77	0.33	0.70	0.32	37.6	17.6	38
ZZ12109		0.24	0.003	0.13	1.19	19.7	<0.2	<10	100	0.47	0.43	0.11	0.30	22.3	5.3	20
ZZ12110		0.26	0.001	0.07	5.10	17.1	<0.2	<10	190	2.80	0.17	0.49	0.07	59.0	27.9	73
ZZ12111		0.32	0.002	0.08	1.84	11.8	<0.2	<10	90	0.80	0.47	0.05	0.13	25.6	9.9	27
ZZ12112		0.22	0.002	0.15	2.71	211	<0.2	<10	270	1.38	0.49	0.08	0.26	27.1	36.7	26
ZZ12113		0.28	0.001	0.09	1.31	32.4	<0.2	<10	90	0.55	0.36	0.03	0.13	42.3	6.5	21
ZZ12114		0.24	0.001	0.06	0.59	18.8	<0.2	<10	60	0.15	0.48	0.03	0.09	23.9	4.5	13
ZZ12115		0.26	0.002	0.16	1.76	31.3	<0.2	<10	150	0.74	0.38	0.07	0.25	28.1	7.7	22
ZZ12116		0.22	0.001	0.11	2.13	27.0	<0.2	<10	170	0.98	0.29	0.05	0.22	63.0	11.9	28
ZZ12117		0.26	0.002	0.08	1.40	30.0	<0.2	<10	90	0.64	0.36	0.05	0.16	34.0	7.5	22
ZZ12118		0.24	0.001	0.13	1.13	8.3	<0.2	<10	110	0.52	0.31	0.36	0.18	24.5	5.6	21
ZZ12119		0.20	0.002	0.18	1.21	24.9	<0.2	<10	90	0.58	0.31	0.04	0.18	30.8	7.6	19
ZZ12120		0.24	0.008	0.20	1.95	35.7	<0.2	<10	210	0.99	0.33	0.08	0.21	37.8	13.6	24
ZZ12121		0.24	0.007	0.21	1.40	43.9	<0.2	<10	90	0.83	0.36	0.06	0.18	53.7	12.7	18
ZZ12122		0.20	0.002	0.25	1.65	23.5	<0.2	<10	130	1.24	0.39	0.06	0.18	53.4	16.4	24
ZZ12123		0.24	0.003	0.19	1.87	15.5	<0.2	<10	170	1.36	0.29	1.26	0.27	42.2	10.8	24
ZZ12124		0.24	0.002	0.15	1.89	22.7	<0.2	<10	180	1.31	0.33	0.22	0.23	40.6	16.3	26
ZZ12125		0.24	0.005	0.18	1.31	46.6	<0.2	<10	150	0.82	0.34	0.08	0.26	39.9	8.3	19
ZZ12126		0.18	0.005	0.07	0.70	54.1	<0.2	<10	50	0.26	0.23	0.05	0.15	13.70	4.8	9
ZZ12127		0.28	0.007	0.08	1.28	47.9	<0.2	<10	90	0.54	0.29	0.11	0.33	25.3	12.7	18
ZZ12128		0.22	0.003	0.32	1.68	144.5	<0.2	<10	120	1.28	1.02	0.06	0.17	37.6	22.5	23



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		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
DD006591		5.31	24.4	3.31	8.68	0.05	0.02	0.03	0.036	0.23	21.9	36.0	0.55	1180	0.53
DD006592		1.14	9.2	1.14	2.95	<0.05	<0.02	0.01	0.011	0.03	5.5	8.0	0.07	437	0.47
DD006593		5.90	39.6	3.69	8.94	<0.05	<0.02	0.03	0.038	0.13	19.7	41.4	0.49	1110	0.79
DD006594		4.63	25.8	3.95	8.98	0.08	<0.02	0.04	0.051	0.14	19.0	36.2	0.66	519	0.64
DD006595		3.34	14.2	2.14	5.50	<0.05	<0.02	0.11	0.020	0.14	11.5	6.9	0.20	2010	0.85
DD006596		6.38	14.5	3.24	8.53	0.05	<0.02	0.06	0.029	0.17	15.2	27.8	0.41	919	2.25
DD006597		2.99	24.7	3.07	5.97	0.08	<0.02	0.02	0.028	0.11	26.4	28.6	0.45	508	1.58
DD006996		4.11	16.9	2.58	7.21	0.06	0.02	0.01	0.031	0.21	14.2	34.7	0.46	335	0.98
DD006997		5.04	11.1	2.55	6.21	<0.05	<0.02	<0.01	0.028	0.15	19.1	30.6	0.39	441	1.01
DD006998		5.16	8.3	2.61	7.34	0.08	0.04	<0.01	0.024	0.31	25.4	34.1	0.53	398	0.57
DD006999		6.80	9.3	2.92	9.27	0.11	0.02	<0.01	0.024	0.27	46.4	33.7	0.61	657	0.59
DD007000		4.23	20.7	2.88	7.83	0.09	0.02	0.03	0.028	0.18	30.9	31.2	0.51	458	1.43
ZZ12101		2.75	15.0	2.52	5.78	0.06	0.02	0.04	0.022	0.16	18.3	24.7	0.44	375	1.36
ZZ12102		4.71	6.5	2.20	6.71	<0.05	0.02	<0.01	0.024	0.12	24.4	19.5	0.55	304	0.16
ZZ12103		2.56	21.7	4.33	9.73	<0.05	<0.02	0.04	0.113	0.06	11.7	22.2	0.36	2530	1.44
ZZ12104		7.64	19.9	2.85	7.56	0.05	<0.02	0.05	0.028	0.11	15.1	15.9	0.30	300	2.03
ZZ12105		1.15	60.0	2.19	3.13	<0.05	0.06	0.03	0.048	0.04	15.6	5.6	0.13	1000	0.70
ZZ12106		6.14	80.4	5.10	7.52	0.07	0.04	0.03	0.034	0.12	24.8	32.5	0.46	702	1.38
ZZ12107		0.79	26.4	4.41	8.68	0.05	0.05	0.04	0.028	0.04	9.2	10.7	0.28	1100	0.45
ZZ12108		3.57	27.4	3.38	7.06	<0.05	0.03	0.03	0.037	0.05	15.1	24.6	0.58	578	1.06
ZZ12109		7.62	19.2	3.39	6.72	<0.05	<0.02	0.09	0.026	0.08	11.6	7.5	0.13	258	1.86
ZZ12110		11.35	43.0	5.21	18.95	0.10	0.03	0.02	0.080	0.70	28.1	57.4	1.49	676	0.36
ZZ12111		5.89	17.9	3.17	7.50	<0.05	<0.02	0.07	0.024	0.07	12.5	23.9	0.28	513	1.57
ZZ12112		18.80	42.3	5.62	9.59	0.06	0.02	0.05	0.041	0.37	13.5	57.8	0.83	1370	2.05
ZZ12113		4.01	24.7	3.64	6.47	<0.05	<0.02	0.04	0.025	0.14	21.8	19.0	0.21	309	1.73
ZZ12114		1.63	13.6	2.98	7.38	<0.05	<0.02	0.04	0.018	0.05	12.1	2.9	0.07	259	2.49
ZZ12115		2.78	23.4	2.99	6.42	<0.05	<0.02	0.06	0.030	0.06	14.4	17.3	0.23	525	2.47
ZZ12116		7.02	30.6	3.39	6.67	0.06	0.02	0.04	0.025	0.12	30.8	24.1	0.40	532	1.50
ZZ12117		2.32	20.3	3.25	5.81	<0.05	<0.02	0.04	0.024	0.10	17.6	25.7	0.30	305	1.91
ZZ12118		2.16	14.1	2.22	6.94	<0.05	<0.02	0.04	0.021	0.06	11.6	12.3	0.20	234	0.95
ZZ12119		1.84	21.4	3.23	5.03	<0.05	<0.02	0.06	0.024	0.09	16.0	20.4	0.28	300	2.05
ZZ12120		2.48	36.6	3.39	5.35	<0.05	0.10	0.07	0.034	0.11	18.9	27.6	0.41	550	1.99
ZZ12121		2.74	23.7	3.14	5.90	<0.05	0.02	0.04	0.022	0.14	26.7	22.4	0.26	596	1.36
ZZ12122		5.46	30.9	3.88	6.57	0.07	0.02	0.07	0.025	0.19	27.9	41.0	0.35	886	1.88
ZZ12123		3.75	23.3	2.88	5.96	<0.05	0.05	0.06	0.029	0.14	20.9	31.4	0.43	588	0.67
ZZ12124		3.85	20.4	3.47	7.13	<0.05	0.02	0.07	0.031	0.14	20.8	34.9	0.43	707	1.27
ZZ12125		3.08	22.7	2.83	5.65	<0.05	<0.02	0.05	0.023	0.12	20.4	20.3	0.28	473	1.45
ZZ12126		1.21	14.0	1.55	3.25	<0.05	<0.02	0.03	0.012	0.05	6.9	4.0	0.07	494	1.25
ZZ12127		1.60	22.6	2.53	4.23	<0.05	<0.02	0.04	0.024	0.08	11.8	18.4	0.27	754	1.97
ZZ12128		6.96	45.3	4.54	6.73	<0.05	0.02	0.06	0.026	0.17	18.7	23.1	0.26	1280	2.25



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
DD006591		2.28	25.7	520	23.5	46.3	<0.001	0.05	1.74	5.0	0.2	0.9	48.0	<0.01	0.04
DD006592		0.27	5.5	280	6.2	5.6	<0.001	0.03	1.37	0.3	<0.2	0.2	7.0	0.01	0.01
DD006593		1.30	33.8	830	33.2	32.1	0.001	0.07	1.76	2.9	<0.2	1.0	29.1	<0.01	0.01
DD006594		2.85	26.3	310	24.9	35.7	<0.001	0.04	2.30	4.6	<0.2	1.0	29.6	<0.01	0.01
DD006595		1.16	9.7	750	9.8	29.5	0.001	0.08	14.60	2.0	0.2	0.6	20.3	<0.01	0.01
DD006596		2.52	13.0	750	14.5	48.2	<0.001	0.08	1.65	3.9	<0.2	0.8	16.2	<0.01	0.03
DD006597		1.19	22.5	570	17.4	22.2	<0.001	0.03	1.92	4.2	0.4	0.5	15.6	<0.01	0.04
DD006996		3.98	15.6	830	12.1	35.3	<0.001	0.04	1.32	5.5	<0.2	1.3	83.4	0.01	<0.01
DD006997		1.64	11.4	730	12.3	29.6	0.001	0.02	3.75	4.2	0.6	0.9	31.8	<0.01	<0.01
DD006998		1.62	9.2	850	8.1	48.2	0.001	0.01	2.67	8.0	0.4	1.0	60.4	<0.01	<0.01
DD006999		1.66	8.0	880	10.6	45.4	<0.001	0.01	4.42	8.8	0.8	1.2	43.5	<0.01	<0.01
DD007000		2.82	18.4	1230	10.5	31.6	<0.001	0.02	1.72	7.1	1.0	1.1	29.0	0.01	<0.01
ZZ12101		2.57	18.3	920	8.0	27.6	<0.001	0.05	1.41	4.3	<0.2	0.7	17.6	<0.01	0.01
ZZ12102		1.20	4.8	360	7.6	26.7	<0.001	0.02	1.11	5.8	0.6	0.5	47.3	<0.01	<0.01
ZZ12103		1.01	21.0	760	24.3	12.7	<0.001	0.09	0.87	2.1	<0.2	1.1	26.5	<0.01	0.04
ZZ12104		0.87	14.9	460	18.4	18.1	0.001	0.06	1.24	2.9	<0.2	0.7	11.0	<0.01	0.05
ZZ12105		0.37	28.7	490	31.2	7.6	<0.001	0.25	0.91	1.7	0.8	0.4	102.5	0.01	0.04
ZZ12106		1.09	35.0	940	192.5	18.2	<0.001	0.05	102.0	4.9	0.8	0.6	17.7	0.01	0.06
ZZ12107		0.56	50.1	730	18.9	5.5	<0.001	0.06	1.02	4.0	0.4	0.3	57.9	0.01	0.05
ZZ12108		1.02	41.4	540	20.3	13.2	<0.001	0.05	1.99	6.0	0.6	0.5	73.7	0.01	0.04
ZZ12109		0.97	14.1	1100	17.9	16.7	<0.001	0.11	1.75	0.6	0.5	0.8	16.3	<0.01	0.08
ZZ12110		4.32	47.6	220	12.7	103.0	<0.001	0.01	0.66	15.2	0.2	3.1	35.7	0.02	0.04
ZZ12111		0.80	22.2	820	18.1	15.9	<0.001	0.04	1.01	1.5	0.5	0.7	10.5	<0.01	0.08
ZZ12112		1.42	54.0	630	27.4	63.2	<0.001	0.04	7.47	3.8	0.5	1.3	14.7	<0.01	0.09
ZZ12113		0.86	18.0	560	16.0	26.2	<0.001	0.03	1.94	1.7	0.5	0.7	9.9	<0.01	0.06
ZZ12114		1.35	11.1	390	14.6	15.2	<0.001	0.02	1.65	1.5	0.3	1.0	6.3	<0.01	0.07
ZZ12115		0.47	17.0	760	25.2	13.9	<0.001	0.04	1.77	0.7	0.7	0.8	15.4	<0.01	0.08
ZZ12116		0.85	30.9	630	16.8	21.3	<0.001	0.04	14.90	1.6	0.5	0.6	10.4	<0.01	0.07
ZZ12117		0.99	21.5	360	19.3	18.1	<0.001	0.02	3.21	2.0	0.4	0.6	9.0	<0.01	0.07
ZZ12118		1.16	15.1	810	14.3	15.8	<0.001	0.06	0.61	1.6	0.2	0.7	27.4	0.01	0.05
ZZ12119		0.66	19.6	470	17.6	17.2	<0.001	0.03	1.84	1.4	0.4	0.5	10.6	<0.01	0.06
ZZ12120		1.00	29.2	780	21.7	17.1	0.001	0.03	2.38	3.1	0.9	0.6	13.5	0.01	0.07
ZZ12121		0.97	21.7	470	24.6	22.8	<0.001	0.02	3.68	1.8	0.4	0.6	11.6	<0.01	0.07
ZZ12122		1.32	27.5	580	23.6	27.6	<0.001	0.04	1.82	2.3	0.5	0.6	15.6	<0.01	0.09
ZZ12123		1.29	26.1	800	17.7	25.8	<0.001	0.07	1.52	2.9	0.7	0.5	77.6	0.01	0.06
ZZ12124		1.27	27.0	580	23.6	25.6	<0.001	0.04	1.70	2.7	0.3	0.7	27.0	<0.01	0.06
ZZ12125		0.85	19.6	540	20.1	21.8	<0.001	0.03	8.09	1.8	0.4	0.6	12.1	<0.01	0.06
ZZ12126		0.18	7.8	580	16.7	8.9	<0.001	0.04	2.64	0.4	0.2	0.3	8.6	<0.01	0.05
ZZ12127		0.50	24.5	680	16.0	12.2	<0.001	0.02	2.19	1.5	0.4	0.4	13.1	<0.01	0.08
ZZ12128		1.27	25.1	700	14.9	33.1	<0.001	0.04	2.21	2.6	0.6	0.7	25.4	<0.01	0.12



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

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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD006591		0.083	0.29	1.64	40	0.30	11.35	111	0.6
DD006592		0.020	0.06	0.45	20	0.15	1.49	22	<0.5
DD006593		0.046	0.25	1.56	38	0.42	6.32	134	<0.5
DD006594		0.080	0.20	1.10	37	0.66	4.64	146	0.5
DD006595		0.043	0.20	1.00	36	0.61	3.51	58	<0.5
DD006596		0.080	0.30	1.86	66	2.22	6.23	83	<0.5
DD006597		0.039	0.25	5.03	44	0.61	9.99	92	<0.5
DD006996		0.103	0.30	1.88	47	0.66	8.58	79	1.1
DD006997		0.062	0.25	2.92	42	1.39	9.97	77	<0.5
DD006998		0.138	0.36	5.27	47	2.37	16.45	68	1.7
DD006999		0.071	0.30	3.64	44	0.91	25.6	52	0.6
DD007000		0.121	0.26	6.24	53	3.77	15.75	90	1.1
ZZ12101		0.098	0.21	1.46	48	5.31	8.88	68	0.7
ZZ12102		0.017	0.22	0.35	24	0.22	9.03	31	<0.5
ZZ12103		0.052	0.09	1.13	43	0.59	3.93	94	<0.5
ZZ12104		0.043	0.17	1.01	60	0.31	3.34	67	<0.5
ZZ12105		0.022	0.05	1.02	10	0.38	17.65	68	1.0
ZZ12106		0.027	0.20	2.53	42	0.34	10.95	109	0.5
ZZ12107		0.021	0.06	0.97	16	1.53	7.05	84	1.3
ZZ12108		0.066	0.13	2.12	42	0.49	10.45	108	0.6
ZZ12109		0.024	0.16	1.02	55	0.39	3.13	57	<0.5
ZZ12110		0.184	0.71	0.79	85	0.74	5.63	108	0.7
ZZ12111		0.032	0.20	0.73	52	0.32	2.73	54	<0.5
ZZ12112		0.050	0.55	1.13	55	0.45	3.72	145	<0.5
ZZ12113		0.037	0.21	0.95	47	0.27	3.38	76	<0.5
ZZ12114		0.049	0.18	0.57	80	0.36	2.09	51	<0.5
ZZ12115		0.022	0.28	1.00	55	0.28	3.28	71	<0.5
ZZ12116		0.035	0.30	1.17	42	0.23	5.25	77	<0.5
ZZ12117		0.043	0.18	0.84	49	0.36	3.53	64	<0.5
ZZ12118		0.042	0.13	0.87	40	0.29	3.48	40	<0.5
ZZ12119		0.032	0.16	0.79	42	0.32	3.63	68	<0.5
ZZ12120		0.022	0.24	1.23	44	0.31	5.90	93	2.8
ZZ12121		0.031	0.23	1.24	38	0.28	4.31	70	<0.5
ZZ12122		0.048	0.26	1.25	40	0.29	4.83	79	<0.5
ZZ12123		0.036	0.23	1.30	30	0.20	12.30	69	1.3
ZZ12124		0.037	0.23	0.97	42	0.29	5.12	88	<0.5
ZZ12125		0.034	0.18	0.97	40	0.27	4.24	70	<0.5
ZZ12126		0.019	0.08	0.76	26	0.24	1.84	38	<0.5
ZZ12127		0.038	0.14	1.10	38	0.41	3.72	106	<0.5
ZZ12128		0.043	0.27	1.33	45	0.31	4.65	77	<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
ZZ12129		0.26	0.005	0.46	1.79	59.1	<0.2	<10	140	1.13	0.64	0.06	0.23	38.6	15.9	30
ZZ12130		0.30	0.002	0.11	1.17	123.5	<0.2	<10	150	0.51	0.90	0.34	0.35	28.7	11.8	20
ZZ12131		0.22	0.002	0.14	2.19	71.6	<0.2	<10	280	1.25	0.43	0.59	0.21	38.3	16.5	31
ZZ12132		0.26	0.002	0.10	1.59	22.8	<0.2	<10	110	0.92	0.27	0.12	0.16	25.1	11.5	21
ZZ12133		0.28	0.007	0.09	2.03	31.8	<0.2	<10	170	1.36	0.34	0.38	0.15	43.2	15.2	25
ZZ12134		0.24	0.001	0.13	1.56	30.0	<0.2	<10	160	1.01	0.31	0.40	0.22	33.2	9.8	25
ZZ12135		0.28	0.003	0.10	1.62	41.4	<0.2	<10	160	0.71	0.32	0.14	0.36	29.8	10.8	25
ZZ12136		0.22	0.004	0.21	1.99	25.9	<0.2	<10	210	0.92	0.38	1.24	0.35	32.7	15.5	31
ZZ12137		0.24	0.002	0.08	0.63	3.3	<0.2	<10	30	0.17	0.09	0.05	0.10	6.40	2.8	4
ZZ12138		0.26	0.003	0.33	1.30	27.2	<0.2	<10	160	0.52	2.42	0.12	0.61	26.4	6.5	24
ZZ12139		0.24	0.004	0.19	1.96	27.3	<0.2	<10	260	0.93	0.48	0.42	0.31	26.1	15.4	37
ZZ12140		0.26	0.002	0.39	0.53	16.9	<0.2	<10	410	0.32	0.37	0.20	0.95	15.15	24.8	12
ZZ12141		0.28	0.005	0.22	1.47	57.7	<0.2	<10	130	0.62	0.95	0.09	0.21	27.8	10.7	29
ZZ12142		0.22	0.003	0.23	2.22	88.0	<0.2	<10	320	0.93	0.55	0.44	0.37	26.5	21.8	61
ZZ12143		0.28	0.011	0.19	2.23	50.0	<0.2	<10	230	1.12	0.36	0.55	0.33	41.2	18.9	37
ZZ12144		0.20	0.006	0.20	2.06	88.6	<0.2	<10	240	1.00	0.58	0.35	0.40	37.9	26.5	43
ZZ12145		0.24	0.003	0.40	1.35	41.2	<0.2	<10	120	0.41	0.53	0.07	0.59	21.0	16.5	33
ZZ12440		0.30	0.005	0.09	1.60	40.1	<0.2	<10	100	0.78	0.24	0.09	0.32	34.3	6.3	17
ZZ12441		0.32	0.008	0.04	2.10	17.8	<0.2	<10	170	2.15	0.04	3.07	0.02	94.7	5.5	6
ZZ12442		0.30	0.022	0.03	1.22	402	<0.2	<10	110	0.91	0.09	0.58	0.03	58.5	5.2	6
ZZ12443		0.24	0.012	0.08	1.67	325	<0.2	<10	220	0.93	7.60	0.17	0.41	42.7	10.2	19
ZZ12444		0.28	0.008	0.13	1.87	219	<0.2	<10	270	0.74	5.54	0.24	0.40	38.2	10.7	20
ZZ12445		0.22	0.006	0.06	1.69	468	<0.2	<10	130	0.66	5.58	0.18	0.37	33.1	10.2	22
ZZ12446		0.38	0.004	0.03	1.73	1100	<0.2	<10	30	1.75	2.08	2.00	0.02	83.6	14.4	2
ZZ12447		0.36	0.010	0.05	1.53	197.0	<0.2	<10	240	1.04	1.35	0.47	0.09	105.0	12.4	8
ZZ12448		0.24	0.005	0.11	2.58	131.5	<0.2	<10	580	0.94	1.83	0.90	0.15	102.0	9.2	11
ZZ12449		0.26	0.012	0.08	2.12	55.0	<0.2	<10	290	0.70	1.18	0.21	0.40	46.5	11.5	20
ZZ12450		0.28	0.010	0.08	2.08	68.8	<0.2	<10	270	0.71	1.35	0.21	0.29	52.9	10.7	20
ZZ12461		0.24	0.002	0.09	1.48	16.8	<0.2	<10	130	0.50	0.26	0.06	0.14	20.0	6.5	22
ZZ12462		0.36	0.006	0.07	1.93	21.5	<0.2	<10	180	0.95	0.28	0.16	0.29	39.7	14.5	25
ZZ12463		0.18	0.001	0.11	1.06	20.0	<0.2	<10	100	0.39	0.40	0.05	0.17	23.7	4.9	19
ZZ12464		0.28	0.002	0.12	2.13	24.5	<0.2	<10	150	0.83	0.36	0.06	0.21	33.9	11.2	29
ZZ12465		0.18	0.001	0.09	1.07	7.6	<0.2	<10	60	0.47	0.17	0.04	0.06	12.45	2.9	9
ZZ12466		0.24	<0.001	0.05	0.28	3.0	<0.2	<10	30	0.05	0.11	0.03	0.03	8.26	1.1	4
ZZ12467		0.22	0.003	0.12	1.27	20.5	<0.2	<10	150	0.68	0.25	0.14	0.27	28.0	10.6	22
ZZ12468		0.28	0.002	0.10	1.74	23.0	<0.2	<10	190	0.92	0.36	0.08	0.20	42.0	12.1	24
ZZ12469		0.28	0.002	0.09	1.71	22.9	<0.2	<10	120	0.63	0.34	0.04	0.17	41.9	9.7	23
ZZ12470		0.30	0.001	0.07	1.19	13.6	<0.2	<10	80	0.31	0.30	0.05	0.18	24.0	4.4	17
DD006651		0.50	0.006	0.11	1.97	154.5	<0.2	<10	200	1.01	0.60	0.24	0.37	45.7	8.7	16
DD006652		0.20	0.007	0.10	2.50	62.6	<0.2	<10	250	1.14	0.46	0.18	0.41	46.1	9.9	22



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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
ZZ12129		7.07	40.3	4.25	6.99	<0.05	0.02	0.05	0.035	0.17	19.7	32.9	0.36	630	3.20
ZZ12130		4.13	18.2	2.82	6.57	<0.05	<0.02	0.03	0.026	0.10	14.8	8.3	0.18	1000	1.74
ZZ12131		5.98	35.5	3.38	7.53	<0.05	0.02	0.03	0.043	0.18	16.2	35.5	0.55	754	1.18
ZZ12132		4.63	31.8	2.82	5.51	<0.05	<0.02	0.03	0.027	0.10	12.4	19.6	0.28	447	1.46
ZZ12133		5.71	26.1	3.59	6.30	<0.05	0.03	0.02	0.038	0.10	19.2	24.0	0.44	553	1.14
ZZ12134		4.68	20.6	3.04	5.87	<0.05	<0.02	0.03	0.032	0.16	16.1	28.2	0.33	414	1.27
ZZ12135		2.84	18.4	2.74	6.64	<0.05	0.02	0.03	0.030	0.09	14.0	18.5	0.32	519	1.16
ZZ12136		3.58	38.3	2.93	6.95	<0.05	0.04	0.04	0.040	0.06	16.6	25.9	0.50	808	0.82
ZZ12137		0.85	6.0	0.64	2.70	<0.05	<0.02	0.02	0.005	0.03	3.3	1.3	0.05	170	0.58
ZZ12138		4.23	29.7	3.30	7.27	<0.05	0.02	0.03	0.037	0.10	13.7	11.8	0.27	342	3.06
ZZ12139		4.79	40.4	3.37	7.66	<0.05	0.02	0.03	0.052	0.10	13.4	29.0	0.60	617	3.62
ZZ12140		2.07	15.6	1.70	3.90	<0.05	<0.02	0.08	0.016	0.10	6.7	1.7	0.10	8340	1.79
ZZ12141		3.68	90.9	3.86	6.60	0.08	0.02	0.05	0.032	0.08	14.7	24.4	0.35	353	3.28
ZZ12142		4.27	54.5	4.47	9.02	0.11	0.02	0.05	0.043	0.18	12.6	33.6	0.86	970	3.16
ZZ12143		5.12	41.6	3.66	8.50	0.12	0.04	0.03	0.055	0.12	19.7	28.4	0.70	1110	1.58
ZZ12144		6.73	58.5	4.03	8.07	0.12	0.02	0.03	0.038	0.23	19.2	31.8	0.69	1420	3.34
ZZ12145		3.52	35.6	3.87	7.21	0.08	<0.02	0.11	0.029	0.15	10.9	11.5	0.31	1160	5.97
ZZ12440		3.15	12.8	2.49	6.38	0.07	0.02	0.06	0.022	0.09	16.5	15.9	0.25	348	1.68
ZZ12441		4.27	2.2	1.76	6.45	0.13	0.08	0.01	0.017	0.30	44.1	25.4	0.38	483	0.19
ZZ12442		9.48	2.7	2.79	6.25	0.11	0.07	0.01	0.020	0.14	33.2	17.1	0.29	252	2.47
ZZ12443		4.58	42.9	2.86	6.27	0.10	0.03	0.03	0.030	0.14	20.5	23.7	0.45	425	1.39
ZZ12444		3.28	55.5	2.84	6.99	0.11	0.04	0.05	0.036	0.16	18.3	25.3	0.50	485	1.81
ZZ12445		2.26	29.0	2.64	5.38	0.09	0.04	0.05	0.025	0.08	16.6	21.5	0.43	408	1.64
ZZ12446		12.75	19.9	4.45	4.88	0.14	0.09	0.01	0.018	0.12	41.1	10.3	0.30	480	0.27
ZZ12447		3.89	9.5	2.37	6.76	0.12	0.05	0.01	0.030	0.14	44.2	16.7	0.45	607	0.41
ZZ12448		4.96	15.1	2.05	7.60	0.13	0.05	0.03	0.017	0.23	47.1	21.0	0.50	442	0.75
ZZ12449		3.51	21.6	2.91	7.34	0.12	0.04	0.05	0.025	0.17	23.5	28.1	0.51	476	2.17
ZZ12450		6.24	17.3	3.26	8.01	0.12	0.03	0.04	0.027	0.23	24.4	29.5	0.55	471	1.59
ZZ12461		1.44	21.1	2.41	5.73	0.06	<0.02	0.04	0.023	0.05	10.6	14.0	0.26	225	1.81
ZZ12462		1.96	28.6	2.98	4.97	0.09	0.07	0.04	0.033	0.09	18.4	24.9	0.39	852	1.76
ZZ12463		1.75	13.7	2.80	7.07	0.07	<0.02	0.05	0.018	0.08	12.5	10.3	0.17	197	2.06
ZZ12464		1.92	22.7	3.57	6.97	0.09	0.05	0.03	0.029	0.08	17.4	26.1	0.38	337	2.74
ZZ12465		1.10	15.6	1.31	3.71	<0.05	<0.02	0.03	0.010	0.04	6.5	5.7	0.07	92	0.80
ZZ12466		0.68	4.5	0.53	2.57	<0.05	<0.02	0.02	<0.005	0.03	4.4	0.9	0.02	29	0.67
ZZ12467		2.12	30.3	2.61	4.88	0.10	0.02	0.02	0.020	0.10	14.8	18.6	0.36	332	1.87
ZZ12468		2.12	22.2	3.40	6.21	0.09	0.05	0.03	0.022	0.12	21.2	26.1	0.35	329	1.85
ZZ12469		2.08	21.8	3.65	6.80	0.10	0.06	0.03	0.022	0.08	21.7	25.3	0.32	230	1.74
ZZ12470		1.65	17.5	2.42	5.83	0.06	<0.02	0.03	0.016	0.05	12.6	10.2	0.15	154	1.58
DD006651		3.57	19.4	2.71	7.79	0.11	0.04	0.05	0.034	0.21	22.6	29.5	0.46	522	1.14
DD006652		3.61	17.7	3.10	9.22	0.10	0.04	0.07	0.034	0.17	23.3	35.0	0.52	682	1.69



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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
ZZ12129		1.34	27.9	620	22.4	27.0	<0.001	0.04	2.44	3.7	0.9	0.8	17.5	<0.01	0.09
ZZ12130		0.89	13.8	450	15.4	31.0	<0.001	0.03	1.51	1.7	0.3	0.9	35.8	<0.01	0.07
ZZ12131		1.33	34.4	590	20.4	26.1	<0.001	0.03	1.52	4.2	0.5	0.8	57.3	0.01	0.07
ZZ12132		0.43	19.9	790	14.5	17.3	<0.001	0.04	1.40	1.2	0.5	0.5	24.9	0.01	0.07
ZZ12133		0.91	32.9	510	16.7	18.1	<0.001	0.03	2.14	3.2	0.4	0.6	143.5	0.01	0.05
ZZ12134		1.15	20.4	550	15.4	28.8	<0.001	0.04	1.76	2.5	0.4	0.7	50.5	<0.01	0.06
ZZ12135		0.81	19.3	650	16.0	19.0	<0.001	0.05	1.62	1.7	0.4	0.6	28.9	0.01	0.05
ZZ12136		1.09	33.1	840	17.7	20.6	<0.001	0.07	1.59	3.7	1.0	0.6	59.6	0.01	0.05
ZZ12137		0.15	3.1	650	2.9	6.9	<0.001	0.06	0.30	0.2	<0.2	0.2	8.7	<0.01	0.02
ZZ12138		1.14	16.7	620	14.4	24.5	<0.001	0.06	1.51	1.6	0.7	0.8	26.0	<0.01	0.11
ZZ12139		1.93	29.6	1090	18.0	21.0	<0.001	0.09	2.09	3.5	0.9	0.8	59.3	0.01	0.08
ZZ12140		0.28	8.4	1530	11.6	14.3	<0.001	0.15	1.19	0.4	0.4	0.8	27.1	<0.01	0.06
ZZ12141		2.41	23.2	470	14.2	13.3	<0.001	0.04	2.55	3.3	1.1	0.7	23.9	<0.01	0.08
ZZ12142		3.25	37.3	1080	16.2	22.2	<0.001	0.13	3.35	5.8	1.3	0.8	69.2	0.01	0.08
ZZ12143		2.22	36.8	400	15.2	18.2	<0.001	0.02	2.46	7.2	0.9	0.8	82.3	0.01	0.05
ZZ12144		2.27	38.1	770	20.8	33.5	<0.001	0.05	3.07	5.9	1.1	0.9	44.3	<0.01	0.06
ZZ12145		1.71	16.6	1010	22.2	23.1	<0.001	0.10	2.57	2.1	1.6	0.7	15.1	<0.01	0.10
ZZ12440		0.81	12.7	840	12.1	21.3	<0.001	0.08	14.65	0.6	1.0	0.7	10.3	<0.01	0.05
ZZ12441		0.81	2.7	590	8.2	30.9	<0.001	<0.01	2.19	5.0	0.6	0.8	286	0.01	0.01
ZZ12442		0.63	2.9	530	11.6	23.0	<0.001	<0.01	24.3	4.8	0.6	0.6	41.0	0.01	0.01
ZZ12443		1.88	17.3	590	11.9	28.0	<0.001	0.02	5.26	4.6	0.9	0.9	28.5	0.01	0.05
ZZ12444		3.37	22.5	930	11.4	32.0	<0.001	0.03	3.68	5.7	1.0	0.9	20.3	0.01	0.08
ZZ12445		2.12	20.8	750	10.1	15.0	<0.001	0.03	1.83	3.3	1.0	0.6	15.0	0.01	0.08
ZZ12446		0.07	4.9	770	14.3	12.6	<0.001	<0.01	16.30	4.8	0.7	0.4	31.5	0.01	0.01
ZZ12447		0.93	5.6	710	15.5	17.9	<0.001	<0.01	10.15	5.5	0.7	0.6	26.2	0.01	0.02
ZZ12448		1.44	9.0	830	8.4	36.3	<0.001	<0.01	2.12	5.3	0.6	0.7	244	0.01	0.03
ZZ12449		3.40	21.5	810	9.0	32.6	0.001	0.02	1.67	5.7	1.0	0.9	18.3	0.01	0.04
ZZ12450		3.34	17.6	800	9.4	42.6	<0.001	0.03	3.26	5.7	1.0	1.0	17.5	0.01	0.06
ZZ12461		0.86	15.3	730	12.4	10.3	<0.001	0.04	1.33	1.0	0.9	0.5	13.7	<0.01	0.05
ZZ12462		1.58	29.1	1010	15.7	13.3	<0.001	0.04	2.24	2.9	1.2	0.4	18.4	0.01	0.05
ZZ12463		1.90	13.1	440	13.4	18.4	<0.001	0.03	1.58	1.6	0.8	0.8	26.3	<0.01	0.06
ZZ12464		1.94	25.1	430	18.0	13.3	<0.001	0.02	2.39	3.3	1.1	0.7	17.8	0.01	0.07
ZZ12465		0.45	6.1	600	6.4	6.4	<0.001	0.04	0.59	0.5	0.7	0.3	10.4	<0.01	0.04
ZZ12466		0.31	2.5	230	2.9	4.5	<0.001	0.01	0.35	0.4	0.3	0.3	6.7	<0.01	0.02
ZZ12467		0.88	22.6	770	13.4	12.4	<0.001	0.04	2.18	1.8	0.9	0.4	59.5	<0.01	0.04
ZZ12468		2.06	25.1	380	16.8	17.4	<0.001	0.04	2.25	2.5	0.8	0.6	16.5	0.01	0.05
ZZ12469		1.91	22.4	280	15.7	13.5	<0.001	0.01	2.34	2.4	0.7	0.6	10.0	0.01	0.06
ZZ12470		0.60	11.3	470	11.4	11.5	<0.001	0.02	1.33	0.7	0.7	0.6	11.1	<0.01	0.05
DD006651		2.97	12.8	1020	19.7	35.1	<0.001	0.04	2.75	5.4	1.1	1.1	40.4	0.01	0.05
DD006652		2.93	18.3	1060	14.0	32.3	<0.001	0.07	1.80	4.1	1.2	1.2	33.9	0.01	0.05



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

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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ12129		0.051	0.26	1.43	60	0.45	4.49	92	<0.5
ZZ12130		0.039	0.22	0.83	49	0.48	3.05	57	<0.5
ZZ12131		0.053	0.22	1.21	47	0.32	6.32	94	<0.5
ZZ12132		0.027	0.17	1.21	39	0.32	4.39	68	<0.5
ZZ12133		0.032	0.18	1.27	37	0.92	7.41	83	<0.5
ZZ12134		0.037	0.18	1.00	42	0.35	3.96	68	<0.5
ZZ12135		0.038	0.14	0.95	41	0.57	4.28	74	<0.5
ZZ12136		0.048	0.15	2.96	41	0.28	15.85	93	<0.5
ZZ12137		0.015	0.06	0.61	13	0.15	1.25	10	<0.5
ZZ12138		0.053	0.21	1.29	76	0.69	4.17	85	<0.5
ZZ12139		0.075	0.15	2.14	84	0.47	6.88	113	0.5
ZZ12140		0.012	0.24	0.88	42	0.38	1.52	59	<0.5
ZZ12141		0.058	0.17	1.20	67	1.15	4.30	73	0.5
ZZ12142		0.107	0.19	1.47	102	0.62	5.83	142	0.5
ZZ12143		0.071	0.19	1.76	51	0.94	11.70	167	0.7
ZZ12144		0.095	0.29	2.06	66	1.75	9.25	120	<0.5
ZZ12145		0.061	0.16	1.81	95	0.81	3.22	99	<0.5
ZZ12440		0.018	0.17	2.46	46	2.51	6.37	61	<0.5
ZZ12441		0.030	0.24	2.21	27	0.10	20.5	36	2.2
ZZ12442		0.013	0.20	11.85	25	0.90	16.80	40	1.8
ZZ12443		0.073	0.27	4.00	50	1.26	9.39	78	<0.5
ZZ12444		0.110	0.31	2.63	55	4.64	11.15	90	0.9
ZZ12445		0.067	0.18	1.88	49	6.77	7.21	87	0.9
ZZ12446		<0.005	0.07	2.84	14	2.36	23.5	25	1.5
ZZ12447		0.017	0.14	1.32	31	2.01	21.7	29	<0.5
ZZ12448		0.042	0.27	2.27	37	5.10	15.70	38	0.8
ZZ12449		0.128	0.30	3.91	58	13.15	10.10	84	0.9
ZZ12450		0.136	0.35	2.57	63	5.42	11.45	77	0.5
ZZ12461		0.024	0.17	0.77	47	0.25	2.90	53	<0.5
ZZ12462		0.035	0.16	1.30	39	0.27	6.97	79	2.2
ZZ12463		0.055	0.17	0.62	63	0.31	2.57	51	<0.5
ZZ12464		0.035	0.22	0.92	64	0.34	5.00	75	1.6
ZZ12465		0.017	0.10	0.46	20	0.14	1.64	19	<0.5
ZZ12466		0.022	0.06	0.23	24	0.10	0.67	11	<0.5
ZZ12467		0.045	0.15	1.04	42	0.21	5.99	73	<0.5
ZZ12468		0.034	0.22	0.88	46	0.29	4.84	72	1.5
ZZ12469		0.030	0.21	0.75	50	0.28	4.02	62	2.5
ZZ12470		0.023	0.15	0.57	47	0.29	2.40	50	<0.5
DD006651		0.089	0.33	3.80	52	1.01	14.65	79	0.5
DD006652		0.089	0.34	4.43	62	1.18	10.70	97	0.7



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD006653		0.38	0.006	0.10	2.11	74.8	<0.2	<10	190	0.95	0.45	0.13	0.16	31.4	8.0	18
DD006654		0.32	0.002	0.09	1.49	30.2	<0.2	<10	120	0.66	0.26	0.13	0.18	22.1	5.6	13
DD006655		0.28	0.002	0.09	1.82	22.0	<0.2	<10	170	0.74	0.23	0.15	0.20	31.7	7.0	17
DD006656		0.38	0.005	0.10	1.77	259	<0.2	<10	250	0.97	1.64	0.28	0.49	47.4	8.9	18
DD006657		0.48	0.007	0.09	2.12	254	<0.2	<10	180	1.03	3.89	0.22	0.25	37.4	10.4	21
DD006658		0.44	0.004	0.07	2.25	80.6	<0.2	<10	360	1.49	1.39	0.37	0.26	70.1	11.1	22
DD006659		0.54	0.004	0.06	2.35	85.3	<0.2	<10	230	1.62	1.12	0.26	0.17	68.1	11.1	19
DD006660		0.38	0.003	0.09	2.18	66.0	<0.2	<10	270	1.53	2.17	0.34	0.22	59.5	10.6	19
DD006661		0.26	0.001	0.05	1.60	60.1	<0.2	<10	210	1.07	0.47	0.54	0.08	91.5	8.0	11
DD006662		0.30	0.005	0.14	1.21	38.2	<0.2	<10	150	0.53	0.77	0.12	0.26	21.6	5.8	17
DD006663		0.30	0.011	0.09	1.95	58.5	<0.2	<10	350	0.69	1.09	0.27	0.35	42.7	10.5	21
DD006664		0.34	0.004	0.06	2.03	36.8	<0.2	<10	160	0.81	2.43	0.20	0.29	31.3	12.0	30
DD006665		0.20	0.002	0.16	1.03	43.6	<0.2	<10	290	0.34	1.02	0.12	0.43	19.80	4.9	23
DD006666		0.26	0.003	0.20	1.17	29.5	<0.2	<10	160	0.38	0.46	0.09	0.36	22.2	6.0	26
DD006667		0.30	0.044	0.68	2.43	2440	<0.2	<10	340	1.74	7.64	0.33	1.16	58.2	33.6	48
DD006668		0.24	0.007	0.11	1.64	604	<0.2	<10	120	0.80	3.08	0.10	0.22	35.7	10.6	32
DD006669		0.22	0.004	0.21	1.03	970	<0.2	<10	210	0.44	3.85	0.20	0.34	29.3	7.2	23
DD006670		0.24	0.015	0.21	1.88	2340	<0.2	<10	160	1.15	12.55	0.14	0.39	41.6	19.9	31
DD006671		0.26	0.004	0.10	1.81	474	<0.2	<10	160	0.81	2.05	0.13	0.34	35.0	9.4	30
DD006672		0.34	0.004	0.13	2.30	139.0	<0.2	<10	150	1.05	3.55	0.12	0.28	41.1	11.0	34
DD006673		0.20	0.003	0.15	2.05	166.5	<0.2	<10	160	0.80	3.53	0.15	0.27	33.4	17.4	32
DD006674		0.26	0.003	0.10	3.01	29.1	<0.2	<10	140	1.06	0.45	0.17	0.32	30.1	15.9	35
DD006675		0.24	0.005	0.11	2.40	30.7	<0.2	<10	190	1.22	0.75	0.23	0.40	29.9	19.8	30
DD006676		0.20	0.002	0.09	1.97	22.2	<0.2	<10	230	0.81	0.49	0.34	0.28	30.5	13.6	28
DD006677		0.44	0.004	0.09	1.89	33.6	<0.2	<10	190	0.92	0.45	0.21	0.47	36.5	15.5	29
DD006678		0.30	0.009	0.14	1.31	171.0	<0.2	<10	200	0.37	14.60	0.10	0.18	26.7	7.5	30
DD006679		0.36	0.025	0.12	1.50	154.0	<0.2	<10	150	0.47	27.2	0.09	0.21	29.6	9.7	23
DD006680		0.26	0.007	0.10	2.02	60.5	<0.2	<10	140	0.60	8.10	0.10	0.23	28.8	9.5	33
DD006681		0.22	0.026	0.12	3.33	264	<0.2	<10	350	0.99	41.3	0.23	0.33	41.3	25.9	39
DD006682		0.32	0.019	0.11	1.36	85.6	<0.2	<10	110	0.39	17.50	0.06	0.15	29.8	7.7	23
DD006683		0.28	0.004	0.06	1.17	25.7	<0.2	<10	120	0.25	2.43	0.05	0.13	22.8	3.7	18
DD006684		0.26	0.002	0.08	1.06	20.5	<0.2	<10	190	0.35	0.91	0.19	0.27	21.4	6.0	16
DD006685		0.32	0.002	0.09	1.95	21.7	<0.2	<10	210	0.69	0.52	0.14	0.28	31.3	9.3	24
DD006686		0.28	0.003	0.11	2.47	24.0	<0.2	<10	200	0.81	0.63	0.84	0.35	34.0	10.0	37
DD006687		0.22	0.002	0.05	1.35	22.5	<0.2	<10	130	0.46	0.68	0.08	0.20	26.3	6.4	24
DD006688		0.38	0.004	0.18	3.39	69.2	<0.2	<10	370	1.35	0.51	0.21	0.38	36.3	18.5	59
DD006689		0.28	0.001	0.06	1.74	21.2	<0.2	<10	130	0.54	0.44	0.05	0.17	34.4	6.6	28
DD006690		0.32	0.001	0.08	1.76	23.2	<0.2	<10	150	0.60	0.35	0.07	0.28	39.2	10.8	25
DD006691		0.42	0.002	0.05	1.29	19.2	<0.2	<10	80	0.38	0.41	0.05	0.13	29.1	4.9	20
DD006692		0.38	0.001	0.08	1.40	22.2	<0.2	<10	130	0.38	0.41	0.05	0.16	35.0	6.1	21



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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CERTIFICATE OF ANALYSIS WH11149866

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
DD006653		3.29	21.5	2.56	7.37	0.08	0.03	0.04	0.027	0.13	15.7	25.9	0.42	462	1.53
DD006654		1.91	17.3	1.87	5.72	0.07	0.02	0.03	0.018	0.08	10.6	17.7	0.27	305	1.19
DD006655		2.37	19.9	2.28	6.70	0.09	0.02	0.04	0.024	0.11	15.7	27.0	0.39	348	1.21
DD006656		3.63	19.5	2.71	7.36	0.13	0.05	0.02	0.028	0.25	23.9	34.2	0.51	393	1.14
DD006657		3.73	27.1	2.91	7.94	0.12	0.03	0.03	0.029	0.19	18.8	29.7	0.52	357	1.46
DD006658		6.73	19.1	3.71	9.99	0.16	0.10	0.02	0.035	0.45	35.4	45.9	0.75	584	1.14
DD006659		5.28	16.1	3.55	9.71	0.14	0.04	0.02	0.031	0.31	30.9	46.7	0.66	512	1.14
DD006660		4.44	16.7	3.31	8.92	0.13	0.03	0.02	0.034	0.24	29.5	38.8	0.63	564	1.15
DD006661		3.56	11.5	2.36	7.28	0.09	0.04	0.01	0.021	0.20	37.2	31.6	0.50	361	0.40
DD006662		2.84	14.2	2.31	6.53	0.05	<0.02	0.12	0.023	0.12	10.5	11.3	0.26	365	1.75
DD006663		2.97	31.7	2.79	6.23	0.08	0.03	0.06	0.031	0.16	19.5	22.4	0.52	393	1.57
DD006664		2.23	31.7	3.08	6.52	0.07	0.03	0.05	0.034	0.07	14.3	19.9	0.45	454	1.77
DD006665		2.31	25.8	2.51	5.48	0.05	<0.02	0.10	0.026	0.07	10.2	10.0	0.26	147	3.08
DD006666		3.70	27.2	3.25	6.83	0.05	<0.02	0.08	0.025	0.08	10.8	8.6	0.21	148	3.35
DD006667		6.06	115.0	5.23	8.63	0.13	0.04	0.06	0.094	0.16	27.2	40.6	0.87	1100	2.49
DD006668		3.58	37.2	3.28	6.42	0.07	<0.02	0.06	0.037	0.10	17.1	23.9	0.40	316	1.77
DD006669		2.95	42.2	2.69	6.61	0.05	<0.02	0.08	0.028	0.08	13.8	10.4	0.25	278	1.79
DD006670		4.10	71.9	3.56	6.34	0.07	0.04	0.04	0.041	0.09	19.2	31.3	0.53	410	1.61
DD006671		3.06	32.3	2.87	6.28	0.06	<0.02	0.05	0.032	0.08	16.4	23.2	0.38	384	2.00
DD006672		3.41	46.8	3.28	7.92	0.07	0.02	0.07	0.037	0.08	18.7	26.1	0.44	324	1.92
DD006673		3.73	48.9	3.32	7.38	0.06	0.02	0.05	0.029	0.08	15.6	19.8	0.41	403	1.94
DD006674		2.95	25.0	3.24	6.42	0.06	0.09	0.10	0.041	0.08	14.3	26.5	0.49	268	1.97
DD006675		3.24	38.2	3.05	6.30	0.06	0.04	0.08	0.035	0.08	13.8	24.5	0.45	401	1.67
DD006676		3.75	25.2	3.10	6.84	0.07	<0.02	0.06	0.030	0.11	13.9	20.1	0.41	521	2.00
DD006677		3.73	42.4	3.11	5.14	0.08	0.05	0.03	0.032	0.08	17.1	19.4	0.50	489	2.45
DD006678		3.48	42.7	3.13	8.49	0.06	<0.02	0.07	0.028	0.06	13.3	8.7	0.26	172	3.29
DD006679		2.90	51.2	2.98	7.07	0.07	<0.02	0.05	0.030	0.05	14.0	11.6	0.24	246	3.00
DD006680		2.47	30.6	3.61	7.08	0.06	<0.02	0.07	0.036	0.06	13.2	19.1	0.45	416	2.55
DD006681		7.05	119.0	4.97	8.06	0.11	0.07	0.08	0.048	0.11	19.6	37.1	0.85	402	2.30
DD006682		4.71	41.9	3.42	6.94	0.06	<0.02	0.06	0.030	0.06	14.3	12.4	0.24	225	2.90
DD006683		1.99	17.2	2.03	7.23	<0.05	<0.02	0.04	0.019	0.04	11.2	5.7	0.13	133	2.25
DD006684		1.69	17.5	3.05	5.42	0.05	<0.02	0.05	0.034	0.06	10.3	13.1	0.19	259	2.70
DD006685		2.30	27.2	3.00	6.77	0.06	0.02	0.08	0.047	0.09	13.0	20.4	0.38	436	1.84
DD006686		4.81	23.4	2.67	9.13	0.07	0.02	0.04	0.049	0.06	15.5	28.7	1.00	577	1.13
DD006687		2.66	17.1	2.92	7.27	0.05	<0.02	0.04	0.023	0.08	13.0	8.9	0.21	315	2.59
DD006688		4.16	58.7	4.73	9.28	0.14	0.10	0.03	0.039	0.30	17.2	32.6	1.18	500	3.11
DD006689		2.24	20.0	3.21	9.40	0.07	<0.02	0.04	0.028	0.11	16.6	17.1	0.38	233	2.53
DD006690		2.03	25.7	3.09	6.22	0.08	<0.02	0.04	0.028	0.08	18.3	19.1	0.41	366	2.09
DD006691		1.74	16.6	2.96	7.37	0.06	<0.02	0.04	0.021	0.06	14.3	11.3	0.21	170	2.21
DD006692		1.86	20.6	3.20	7.27	0.06	<0.02	0.04	0.024	0.07	17.0	12.2	0.27	213	2.77



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
DD006653		2.05	13.9	1010	10.9	25.6	<0.001	0.07	3.08	3.1	1.0	0.9	25.0	0.01	0.04
DD006654		1.17	11.5	860	7.2	15.8	<0.001	0.05	1.46	1.8	0.9	0.6	16.2	0.01	0.03
DD006655		2.11	14.2	830	8.0	23.4	<0.001	0.04	1.06	3.4	1.0	0.9	18.8	0.01	0.04
DD006656		2.94	14.2	920	21.2	41.1	<0.001	<0.01	2.45	7.5	0.9	1.0	42.3	0.01	0.03
DD006657		3.14	17.2	940	12.7	32.2	<0.001	0.01	1.87	5.5	0.9	1.1	29.8	0.01	0.05
DD006658		1.82	13.9	1040	11.9	61.1	<0.001	<0.01	1.72	11.0	1.1	1.7	56.0	0.01	0.03
DD006659		2.63	14.2	830	12.4	45.9	<0.001	0.02	1.92	7.8	1.0	1.5	44.2	0.01	0.03
DD006660		2.18	14.1	880	13.7	38.9	<0.001	0.01	1.83	7.3	0.9	1.4	22.3	0.01	0.04
DD006661		0.88	7.9	750	10.2	29.1	<0.001	<0.01	0.97	6.4	0.6	0.9	42.0	0.01	0.01
DD006662		1.09	12.1	990	10.6	28.8	<0.001	0.10	1.50	1.5	0.8	0.9	18.5	<0.01	0.05
DD006663		1.93	22.0	1090	12.3	29.1	<0.001	0.03	1.17	4.2	1.0	1.0	33.6	0.01	0.04
DD006664		1.46	28.4	780	12.2	13.6	<0.001	0.04	1.29	3.4	1.0	0.6	21.2	0.01	0.07
DD006665		0.80	15.9	1010	10.3	10.0	<0.001	0.13	1.99	1.3	1.1	0.6	22.1	<0.01	0.05
DD006666		0.71	17.5	1120	20.1	11.5	<0.001	0.13	1.34	1.1	1.4	0.6	17.6	<0.01	0.08
DD006667		1.29	60.5	1200	115.5	19.3	<0.001	0.03	15.20	8.1	1.4	1.0	22.8	0.01	0.14
DD006668		0.89	26.0	670	20.6	19.4	<0.001	0.06	4.90	1.9	1.0	0.7	18.9	<0.01	0.07
DD006669		0.68	17.4	970	15.4	16.2	<0.001	0.11	3.74	1.0	0.8	0.9	40.2	<0.01	0.07
DD006670		1.36	35.9	580	19.8	16.0	0.001	0.04	6.23	4.0	1.0	0.8	27.4	<0.01	0.10
DD006671		0.90	25.5	680	17.4	16.2	<0.001	0.06	3.14	2.2	1.0	0.7	17.6	<0.01	0.07
DD006672		1.46	29.0	540	15.2	16.4	<0.001	0.05	3.32	3.0	1.1	0.8	20.0	0.01	0.10
DD006673		1.37	36.1	560	17.3	16.1	0.001	0.06	3.98	3.6	0.9	0.7	20.3	0.01	0.08
DD006674		1.94	37.0	760	12.6	13.2	<0.001	0.06	3.08	4.7	1.2	0.5	21.1	0.02	0.06
DD006675		1.61	37.0	680	13.1	14.6	<0.001	0.06	2.62	3.5	0.9	0.6	24.1	0.01	0.06
DD006676		1.07	31.4	640	13.0	21.1	<0.001	0.06	2.34	2.7	0.9	0.7	52.6	0.01	0.07
DD006677		1.10	34.6	930	13.4	13.1	0.001	0.02	3.78	3.5	1.0	0.5	23.2	0.01	0.05
DD006678		1.54	25.0	700	15.4	11.1	<0.001	0.08	3.01	1.4	1.0	1.4	18.6	<0.01	0.26
DD006679		1.07	23.5	510	17.6	9.0	<0.001	0.04	2.42	1.8	1.0	1.0	19.9	0.01	0.46
DD006680		0.70	23.6	670	21.1	11.3	<0.001	0.05	1.59	1.5	1.0	0.7	14.4	<0.01	0.16
DD006681		3.45	52.8	1020	16.7	16.2	<0.001	0.07	2.19	4.9	1.4	0.9	27.4	0.01	0.61
DD006682		0.87	22.5	430	20.0	11.9	<0.001	0.02	2.23	1.9	1.0	0.9	12.3	<0.01	0.29
DD006683		0.48	11.4	440	13.0	8.1	<0.001	0.03	1.27	0.7	0.7	0.9	11.4	<0.01	0.08
DD006684		0.68	15.3	510	19.5	10.4	<0.001	0.04	1.91	1.6	0.8	0.8	14.5	<0.01	0.07
DD006685		0.89	24.6	700	18.1	15.7	<0.001	0.06	1.73	2.2	0.9	0.7	14.9	0.01	0.07
DD006686		1.60	20.8	730	14.4	12.9	<0.001	0.06	1.27	3.3	0.7	0.9	57.0	0.01	0.05
DD006687		0.87	15.0	610	17.0	14.2	<0.001	0.05	1.66	1.1	0.8	0.8	14.8	<0.01	0.07
DD006688		2.49	47.1	760	12.5	25.5	0.001	0.07	3.58	9.1	1.5	0.7	49.3	0.01	0.08
DD006689		1.71	19.6	320	18.6	14.7	<0.001	0.02	2.17	3.2	0.8	0.9	10.9	<0.01	0.08
DD006690		0.50	24.5	710	17.9	11.3	<0.001	0.03	2.35	1.3	0.9	0.6	14.3	<0.01	0.06
DD006691		1.15	13.8	370	14.8	10.5	<0.001	0.03	1.79	1.8	0.8	0.8	9.9	<0.01	0.06
DD006692		1.29	17.3	340	19.2	10.5	<0.001	0.01	1.97	2.1	0.8	0.7	11.0	<0.01	0.07



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Project: Lansing - Lisa

CERTIFICATE OF ANALYSIS WH11149866

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
DD006653		0.067	0.26	3.89	49	1.13	9.09	71	0.6
DD006654		0.054	0.17	2.26	38	1.05	6.53	53	<0.5
DD006655		0.087	0.24	2.23	48	0.79	8.64	67	0.6
DD006656		0.133	0.33	3.17	53	2.43	17.15	84	1.2
DD006657		0.095	0.32	2.22	56	5.43	10.95	79	0.7
DD006658		0.159	0.48	3.99	72	0.55	24.3	86	3.0
DD006659		0.088	0.38	2.42	66	0.48	18.60	75	<0.5
DD006660		0.082	0.36	3.40	61	0.45	17.60	83	<0.5
DD006661		0.033	0.21	1.70	41	0.25	20.8	37	0.5
DD006662		0.050	0.19	1.32	53	1.12	4.00	56	<0.5
DD006663		0.102	0.26	2.01	53	6.21	9.52	97	0.7
DD006664		0.068	0.19	0.98	58	3.01	6.01	92	0.6
DD006665		0.044	0.16	1.42	69	0.68	3.26	62	<0.5
DD006666		0.035	0.18	1.31	72	0.33	3.33	63	<0.5
DD006667		0.046	0.29	5.70	106	0.41	19.55	239	0.7
DD006668		0.045	0.17	1.26	57	0.55	4.74	95	<0.5
DD006669		0.030	0.16	0.96	53	0.86	3.12	65	<0.5
DD006670		0.046	0.18	1.53	46	3.98	6.49	84	0.8
DD006671		0.047	0.19	1.21	59	0.97	4.64	90	<0.5
DD006672		0.062	0.20	1.26	60	1.22	5.56	81	<0.5
DD006673		0.065	0.20	1.18	60	2.18	4.70	95	0.5
DD006674		0.067	0.26	1.01	53	0.41	4.93	114	2.6
DD006675		0.057	0.18	1.06	47	0.47	4.46	105	1.1
DD006676		0.056	0.21	0.82	59	0.60	3.97	95	<0.5
DD006677		0.049	0.20	1.21	56	0.51	6.75	115	1.2
DD006678		0.059	0.24	0.89	96	1.13	3.27	53	<0.5
DD006679		0.040	0.25	0.84	68	2.67	3.55	63	<0.5
DD006680		0.036	0.24	0.88	65	3.47	3.94	81	<0.5
DD006681		0.089	0.37	1.00	76	4.17	6.65	93	2.0
DD006682		0.031	0.24	0.69	69	3.88	3.26	61	<0.5
DD006683		0.025	0.22	0.58	70	0.38	2.22	45	<0.5
DD006684		0.021	0.18	0.59	55	0.47	2.41	72	<0.5
DD006685		0.034	0.17	0.65	50	0.30	4.11	74	<0.5
DD006686		0.082	0.18	1.06	66	0.35	7.42	73	0.6
DD006687		0.039	0.20	0.72	65	0.28	2.50	51	<0.5
DD006688		0.155	0.32	1.59	100	0.38	7.39	91	4.3
DD006689		0.060	0.22	0.66	84	0.36	3.23	64	<0.5
DD006690		0.026	0.21	0.77	53	0.27	4.14	80	<0.5
DD006691		0.046	0.19	0.57	70	0.35	2.49	51	<0.5
DD006692		0.038	0.23	0.67	70	0.34	2.86	62	<0.5



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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
DD006693		0.36	0.001	0.05	1.56	21.1	<0.2	<10	140	0.44	0.42	0.05	0.15	31.6	6.4	23
DD006694		0.30	0.002	0.08	1.68	24.1	<0.2	<10	160	0.68	0.35	0.09	0.28	41.3	11.9	25
DD006695		0.26	0.001	0.11	1.09	14.5	<0.2	<10	80	0.44	0.19	0.05	0.15	19.20	5.1	14
DD006696		0.34	0.001	0.07	1.59	21.6	<0.2	<10	120	0.53	0.36	0.05	0.18	32.2	6.9	24
DD006697		0.22	0.001	0.05	0.95	13.0	<0.2	<10	80	0.38	0.21	0.05	0.17	16.35	4.4	13
DD006698		0.30	0.001	0.07	1.01	18.0	<0.2	<10	90	0.28	0.43	0.04	0.10	26.3	3.5	17
DD006699		0.32	0.003	0.11	1.56	21.4	<0.2	<10	140	0.64	0.25	0.06	0.22	37.5	10.5	22
DD006700		0.30	0.002	0.09	1.06	11.9	<0.2	<10	80	0.55	0.19	0.07	0.16	17.60	6.6	11



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CERTIFICATE OF ANALYSIS WH11149866

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
DD006693		1.99	19.8	2.95	7.06	0.06	<0.02	0.04	0.025	0.07	15.3	12.1	0.26	229	2.26
DD006694		1.98	26.0	3.19	5.71	0.07	<0.02	0.05	0.027	0.10	19.6	20.2	0.41	419	2.04
DD006695		1.40	23.2	2.19	4.07	<0.05	<0.02	0.03	0.016	0.06	9.4	8.3	0.18	192	2.24
DD006696		1.90	21.8	3.09	6.62	0.06	<0.02	0.03	0.024	0.07	15.3	17.4	0.29	232	2.62
DD006697		1.39	16.1	1.84	3.79	<0.05	<0.02	0.12	0.014	0.06	7.2	8.5	0.16	328	1.27
DD006698		1.54	12.8	2.40	6.28	<0.05	<0.02	0.13	0.016	0.04	12.3	5.2	0.13	161	1.89
DD006699		1.57	24.1	3.19	4.11	0.05	0.06	0.11	0.019	0.09	18.1	20.8	0.36	352	1.39
DD006700		1.82	21.4	1.92	3.42	<0.05	<0.02	0.11	0.012	0.07	7.6	11.5	0.16	176	0.89



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CERTIFICATE OF ANALYSIS WH11149866

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
DD006693		0.62	18.0	470	18.2	10.7	<0.001	0.03	1.81	1.0	0.7	0.8	12.4	<0.01	0.07	0.3
DD006694		0.78	27.9	720	19.0	11.8	0.001	0.03	2.43	1.8	0.9	0.5	17.0	<0.01	0.07	1.0
DD006695		0.41	12.7	520	10.5	7.4	<0.001	0.06	2.34	0.8	0.8	0.3	17.4	<0.01	0.05	0.2
DD006696		1.17	17.7	380	16.6	11.2	<0.001	0.02	1.92	2.2	0.8	0.7	16.8	<0.01	0.07	2.0
DD006697		0.26	10.4	600	8.4	7.9	<0.001	0.02	1.01	0.3	0.3	0.4	9.7	<0.01	0.03	<0.2
DD006698		0.79	10.7	480	13.9	7.1	<0.001	0.01	1.17	0.6	0.3	0.8	8.6	<0.01	0.04	0.2
DD006699		1.18	23.2	460	15.6	10.3	<0.001	<0.01	2.15	2.0	0.7	0.3	10.3	0.01	0.05	5.9
DD006700		0.54	12.0	690	8.6	8.5	0.001	0.03	0.83	0.5	0.3	0.3	25.1	<0.01	0.02	0.5



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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
DD006693		0.027	0.23	0.61	67	0.28	3.19	65	<0.5
DD006694		0.029	0.20	0.81	48	0.26	4.67	79	<0.5
DD006695		0.027	0.12	0.78	37	0.16	2.18	48	<0.5
DD006696		0.035	0.19	0.73	64	0.31	3.06	59	<0.5
DD006697		0.019	0.10	0.52	33	0.16	1.85	50	<0.5
DD006698		0.030	0.21	0.58	60	0.31	2.09	45	<0.5
DD006699		0.027	0.15	0.67	37	0.27	3.83	69	1.8
DD006700		0.026	0.10	0.60	25	0.18	2.51	48	<0.5



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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).

Statement of Expenditures
Lisa 1-36 Mineral Claims
August 29, 2011

Labour

R. Drechsler (camp manager) July 31 – 1 day @ \$680/day	\$ 761.60
S. Eaton (geologist) July 31 – 1 day @ \$680/day	761.60
report writing – 1 day @ \$680/day	761.60
M. Kammerer (field assistant) June 13 – 1 day @ \$552/day	618.24
K. Didlick (field assistant) June 13 – 1 day @ \$376/day	385.28
S. Dosch (field assistant) June 13 – 1 day @ \$344/day	385.28
S. Wedge (field assistant) July 31 – 1 day @ \$344/day	385.28
	<u>4,058.88</u>

Expense

Field room and board – 6 days @ \$125/day	840.00
Trans North Helicopters – 2 hrs Bell 206B @ \$990/hr plus fuel	2,474.01
ALS Chemex	<u>6,523.53</u>
	9,837.54

Total	<u>\$13,896.42</u>
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