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ASSESSMENT REPORT

describing

SOIL AND ROCK GEOCHEMICAL SAMPLING

at the

LORNE PROPERTY

Lorne 1-16 YD62763-YD62778

NTS 105N/10

Latitude 63°38'N; Longitude 132°53'W

located in the

Mayo Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

NEW DIMENSION RESOURCES LTD.

and

STRATEGIC METALS LTD.

by

A. Mitchell, B.Sc.
November 2011

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INTRODUCTION

The Lorne property covers an area of moderately to strongly anomalous gold, silver, copper and antimony stream sediment and soil geochemistry. The property is owned by Strategic Metals Ltd. and is under option to New Dimension Resources Ltd.

This report describes soil and rock geochemical sampling and prospecting conducted on July 23 and July 28, 2011 by Archer, Cathro and Associates (1981) Limited on behalf of New Dimension. The author interpreted all data from this project and his Statement of Qualifications is in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Lorne property comprises 16 contiguous quartz claims, located in east-central Yukon at latitude 63°38' north and longitude 132°53' west on NTS map sheet 105N/10 (Figure 1). The property covers an area of about 320 hectares (3.2 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>
Lorne 1-16	YD62763-YD62778	March 31, 2016

* 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 Hughes 500D helicopter operated by Fireweed Helicopters from a temporary base at the Rackla airstrip, which is located 155 km east of Mayo and approximately 68 km northwest of the property. All personnel stayed in a tent camp at the airstrip.

HISTORY AND PREVIOUS WORK

In 1990, the Geological Survey of Canada performed a regional stream sediment survey on NTS map sheet 105N (Friske *et.al.*, 1991). The Lorne property lies near the centre of an eight kilometre diameter ring of stream sediment samples (7 samples) that yielded elevated metal values, including 99th percentile silver (up to 7.0 ppm, highest value on map sheet), copper (up to 664 ppm, highest value on map sheet), antimony (up to 16 ppm) and mercury (up to 1120 ppm), 98th percentile gold (up to 28 ppb) and 90th percentile arsenic (up to 61 ppm).

In August 1991, R. Berdahl, an independent prospector, staked several small claim blocks in the area (Caribou 1-4, Candy 1-4, Flower 1-4, Jane 1-4, Red 1-4 and Can 1-4). Only the Can claims overlapped with the current Lorne property. Berdahl performed sampling and prospecting on the properties in 1991 and 1992 (Hulstein, 1992 and Deklerk and Traynor, 2005). The claims were allowed to lapse in early 1997.

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FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**PROPERTY LOCATION
LORNE PROPERTY**

0 250 km

UTM ZONE 8, NAD 83, 105N/10

FILE: ...2011/LORNE/FIGURES/LOCATION

DATE: NOV 2011

NORTHWEST TERRITORIES

★ **LORNE PROPERTY**

Dawson

Mayo

Faro

Ross River

Carmacks

Whitehorse

Haines Junction

Watson Lake

Skagway

Atlin

Haines

Juneau

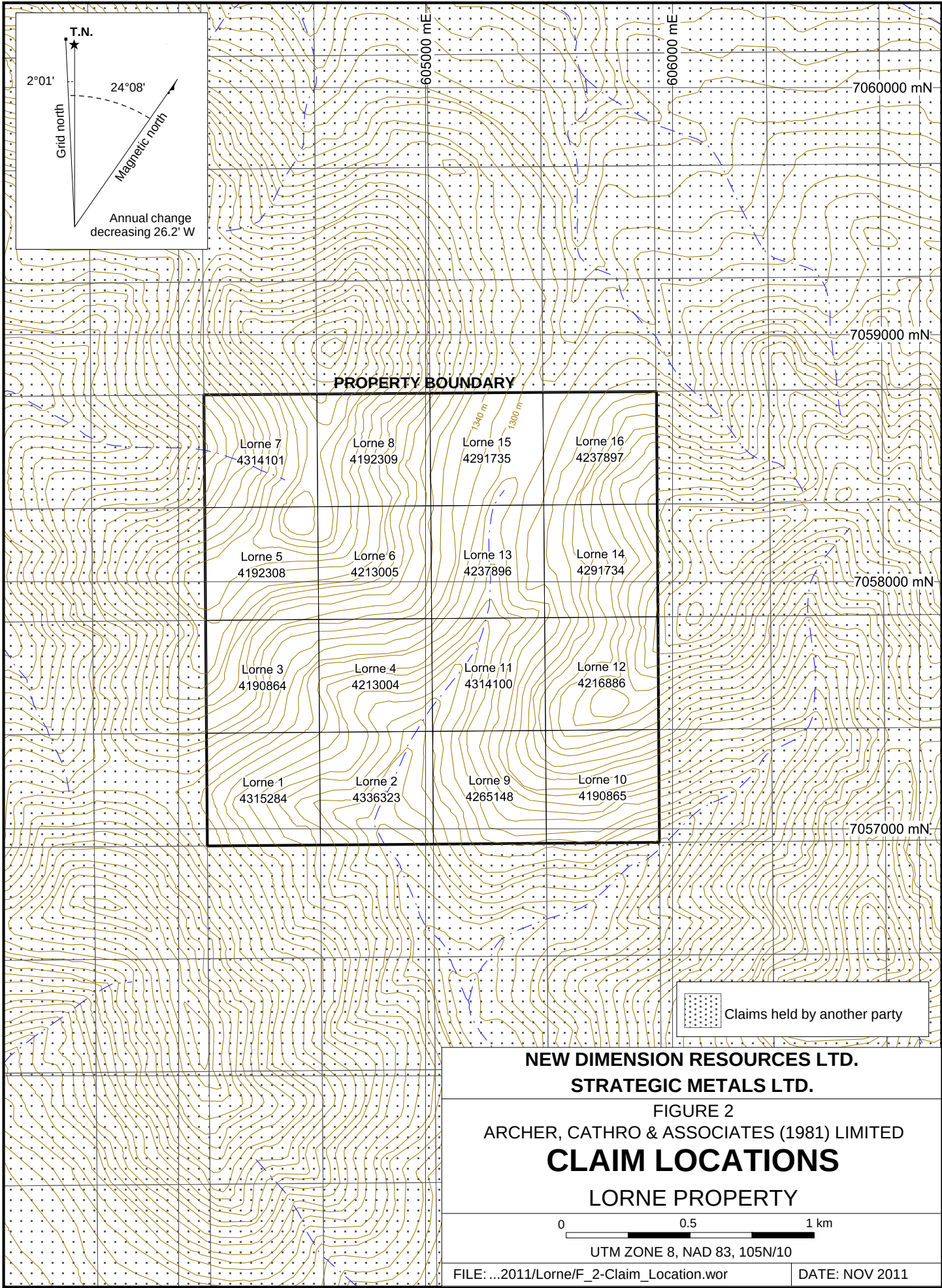
BRITISH COLUMBIA

Dease Lake

Telegraph Creek

PACIFIC OCEAN

ALASKA



Following a brief reconnaissance exploration program, Viceroy Exploration (Canada) Inc. staked the Lightning 1-12 claims in June, 1997, to cover baritic and pyritic sediments and strongly limonitic float it had discovered on the northwest flank of the main peak in the area (Schulze, 1998 and 2000). Viceroy also staked the Tempest 1-12 claims after it found a series of stratigraphically controlled iron seeps along the north side of a ridge six kilometres to the east of the Lightning property. Stream sediment sampling and prospecting in the area revealed a widespread gold anomaly, which led to the addition of the Lightning 13-152 and Tempest 13-60 claims (the claim blocks became contiguous) between late June and August, 1997 (Deklerk and Traynor, 2005).

In March and April, 1998, Prospector International Resources Inc. staked the Got It, Big Time and Gotcha properties (totalling 449 claims) on the north, west and south sides of Viceroy Exploration's claims (Deklerk and Traynor, 2005). In late April, 1998, Prospector International conducted a helicopter-borne, high sensitivity aeromagnetic survey over its claim block and in 2000, it performed geological mapping (Game, 1999).

In March, 1999, NovaGold Resources Inc. acquired 100% of Viceroy Exploration's interest in the Tempest and Lightning claims (Deklerk and Traynor, 2005). Later that year, NovaGold carried out stream sediment, soil and rock geochemical sampling and geological mapping across the central and northwest parts of the claim group (Schulze, 2000). The claims subsequently expired.

In August 2010, Strategic Metals staked the Lorne 1-16 claims, which covers the central portion of the historical Lightning claim block. Strategic Metals later collected 7 stream sediment samples and 91 contour soil samples on the property (Eaton, 2011). Results from this work will be described in the Stream Sediment and Soil Geochemistry section.

In late 2010, Strategic Metals optioned the Lorne property to New Dimension.

GEOMORPHOLOGY AND CLIMATE

The Lorne property lies within the Lansing Range, a subset of the Selwyn Mountains. It is drained by creeks that flow into Russell and Pleasant Creeks, which ultimately connects to the Pacific Ocean via the Lansing, Stewart and Yukon Rivers.

Local elevations on the property range from 1080 to 1640 m above sea level (asl). Topographic relief is moderate to steep, with mountains on the east and west sides of the property. Outcrop is generally restricted to higher mountain slopes. Lower elevations, particularly the valley floor, are blanketed by Pleistocene colluvium deposits and glacial till.

The property vegetation is characterized as alpine to subalpine. Treeline in the area is at about 1500 m asl. Slopes above that elevation are vegetated with low grass and moss. Vegetation gradually increases downslope and comprises stunted black spruce with an understory of low shrubs and grass.

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

GEOLOGY

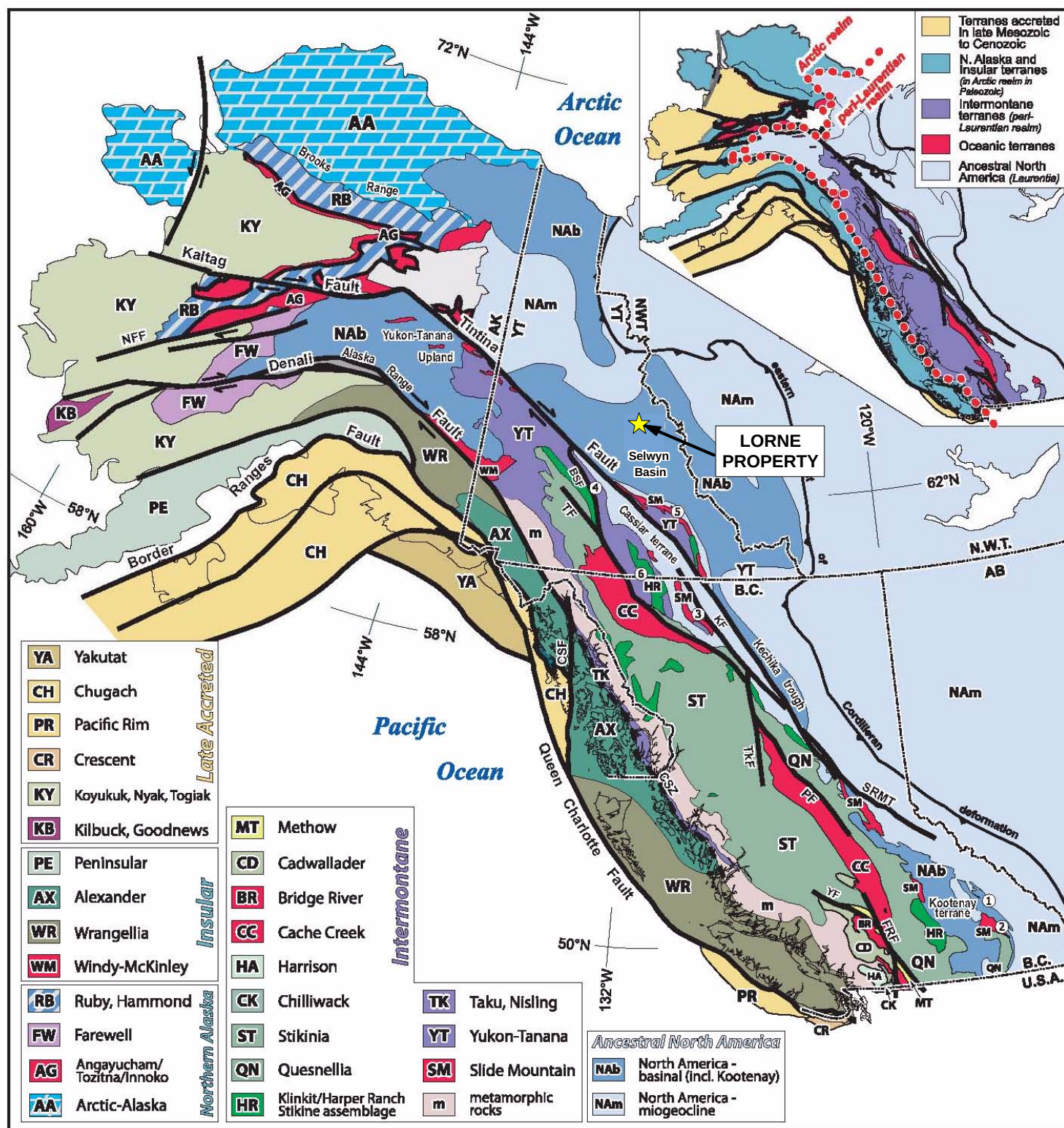
In 1995 and 2003, the Geological Survey of Canada and Yukon Geological Survey published geological maps of the Lansing Range map sheet (NTS 105N) at 1:125,000 and 1:250,000 scales, respectively (Roots *et.al.*, 1995 and Roots, 2003). In 2003, Gordey and Makepeace incorporated this data as part of a Yukon-wide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

The Lorne property is located within Selwyn Basin (Figure 3), a tectonic element comprising deep water clastic rocks, chert and minor carbonate accumulated along the North American continental margin during Paleozoic time (Pigage, 2004).

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

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

Unit Name	Map Name	Age	Description
Q	Quaternary	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.
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



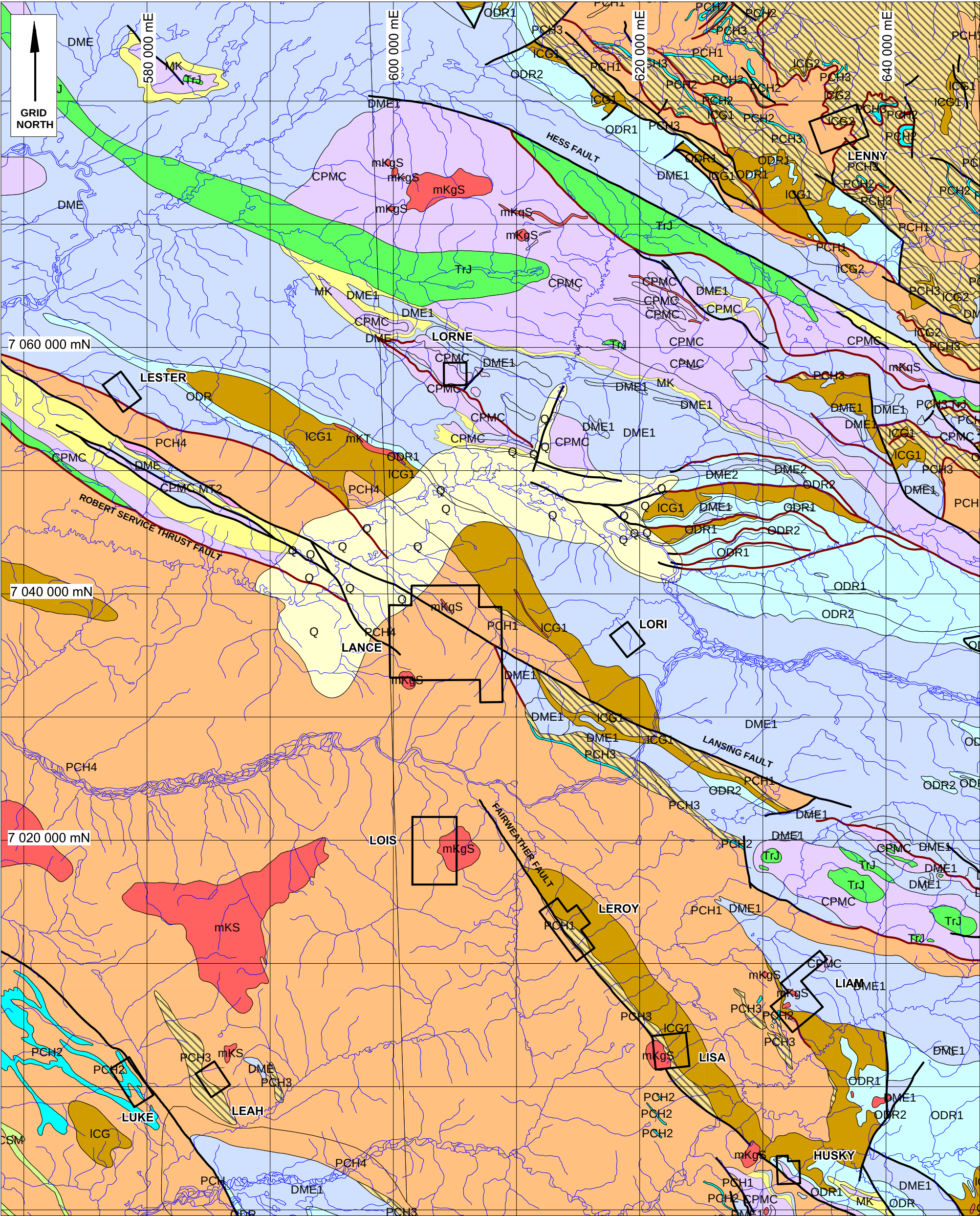
NEW DIMENSION RESOURCES LTD.
STRATEGIC METALS LTD.

FIGURE 3
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

LORNE PROPERTY

0 300 km



Fault (movement unknown)

Thrust fault (dip unknown)

See accompanying lithological legend

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

0510

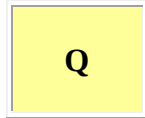
UTM ZONE 8, NAD 83, NTS 105N

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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)

			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. The Lorne property lies between two large-scale, northwest-trending, high-angle faults (informally named the Lansing and Hess faults for the purposes of this report). The Lansing Fault is located 18 km southwest of the property, while the Hess Fault lies 20 km to the northeast (Figure 5). The property lies immediately to the north of a smaller-scale northwest-trending and northeast-dipping thrust fault and to the west of a small, northeast-trending normal fault. All of the major faults are thought to pre-date Mid-Cretaceous plutonism, as evidenced by cross-cutting relationships and several plugs that are emplaced along, but not offset by some of the major faults. Bedding is variable throughout the map sheet, but generally trends northwesterly, and dips moderately to the southwest.

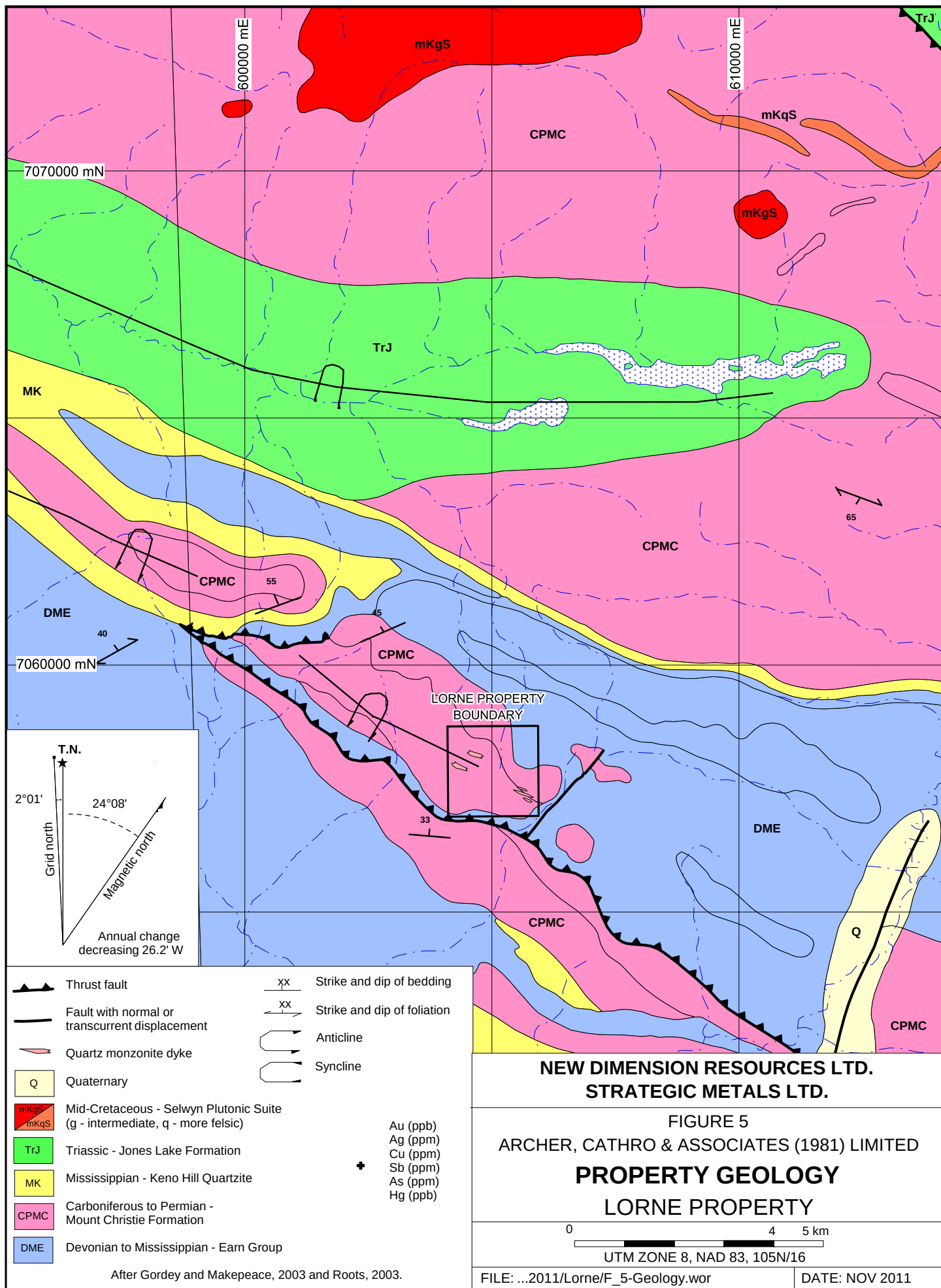
Units exposed on the Lorne property comprise a basement of Earn Group (DME1) with unconformably overlying Mount Christie Formation (CPMC). Earn Group is only mapped in the northeast corner of the property, while Mount Christie Formation underlies the rest. Viceroy Exploration identified several northwest-trending quartz monzonite dykes on the property, which it classified as Selwyn Plutonic Suite (Schulze, 2000).

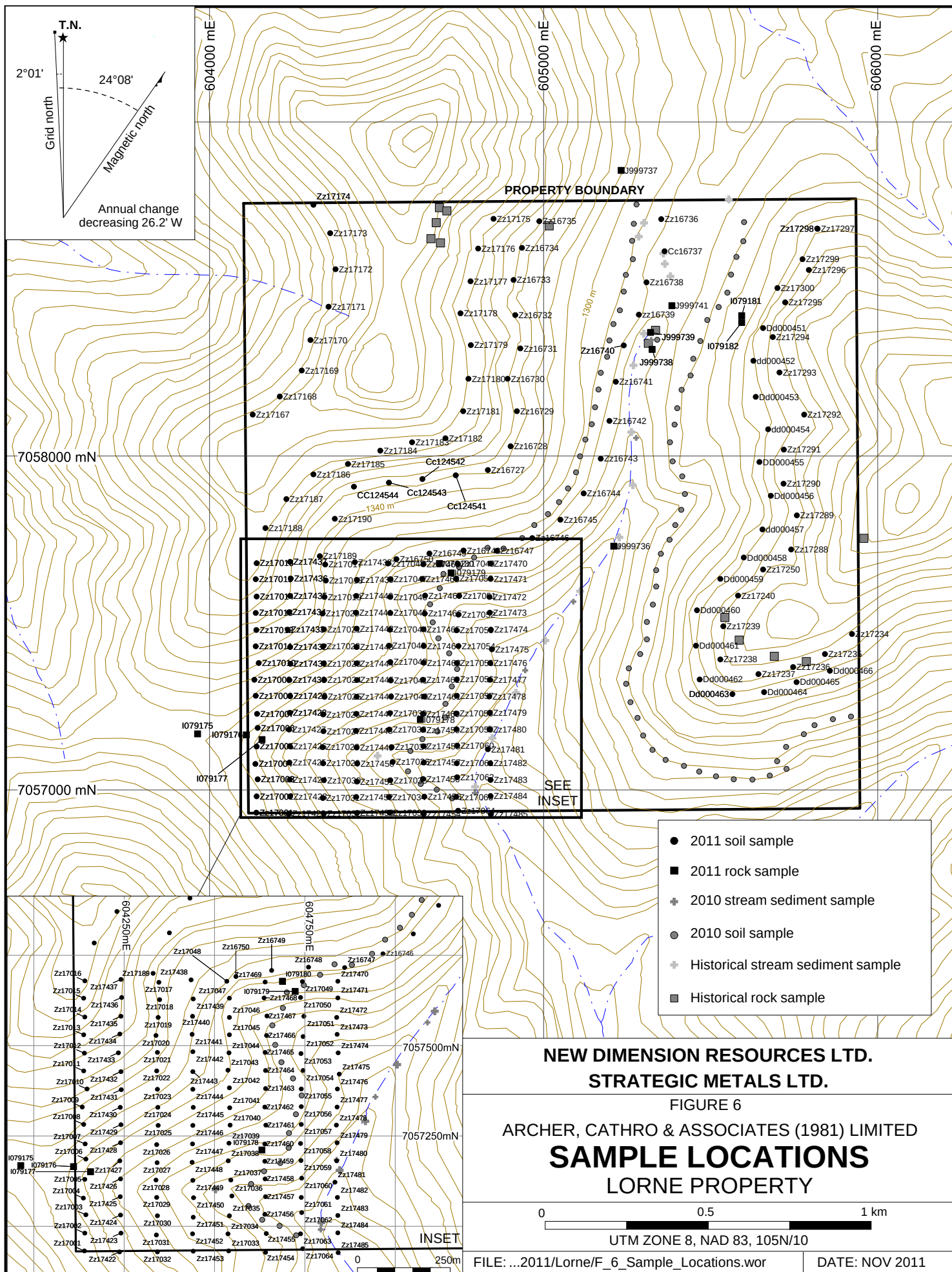
MINERALIZATION

In 1991, Berdahl discovered a 20 by 50 m gossan at the head of the southerly flowing creek. Two samples of limonite and ferricrete collected from the gossan yielded 25 ppb gold, 0.5 g/t silver, 296 ppm copper, 607 ppm arsenic and 61 ppm antimony and < 5 ppb gold, 1.6 g/t silver, 147 ppm copper, 175 ppm arsenic and 109 ppm antimony, respectively.

In 1998, several rock samples were collected in the vicinity of quartz monzonite dykes. The samples taken near dykes in the northwestern part of the property returned background values for all elements of interest, while those collected in the vicinity of dykes to the southeast yielded rare, weakly elevated values for gold (up to 30 ppb) and silver (up to 2.2 g/t).

New Dimension collected 8 rock samples from the property in 2011. Sample locations are shown on Figure 6, while results from historical and 2011 samples for gold, silver, copper,





antimony and zinc are illustrated thematically on Figures 7 to 11, respectively. Certificates of Analysis are given in Appendix II.

The 2011 rock geochemical sample sites were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit. Multi-element analyses for rock samples were carried out at ALS Chemex in Whitehorse, Yukon and/or North Vancouver, B.C. Each sample was dried, fine crushed to better than 70% passing 2 mm and a 250 g split was pulverized to better than 85% passing 75 microns. The fine fraction was analyzed for 51 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS41). An additional 25 g charge was further analysed for gold by aqua regia digestion with inductively coupled plasma mass spectroscopy finish (Au-TL44).

Rock samples collected on the property in 2011 generally comprise rusty weathering, variably silicified and limonitic shale (Type-1). Samples of arsenopyrite-bearing, silicified chert (Type-2), and rusty-brown ferricrete with shale fragments (Type-3) were also taken.

Type-1 comprises four samples that yielded weakly anomalous results, with peak values of 90 ppb gold, 2.17 g/t silver, 499 ppm copper and 17.65 ppm antimony. A moderately anomalous zinc value (1110 ppm) was obtained from the northeastern part of the property.

Type-2 consists of one sample collected from the southwest part of the property.

Type-3 comprises one sample taken from the northeast part. Both samples yielded background values for all elements of interest.

The gossan located at the head of the southerly flowing creek was not resampled in 2011.

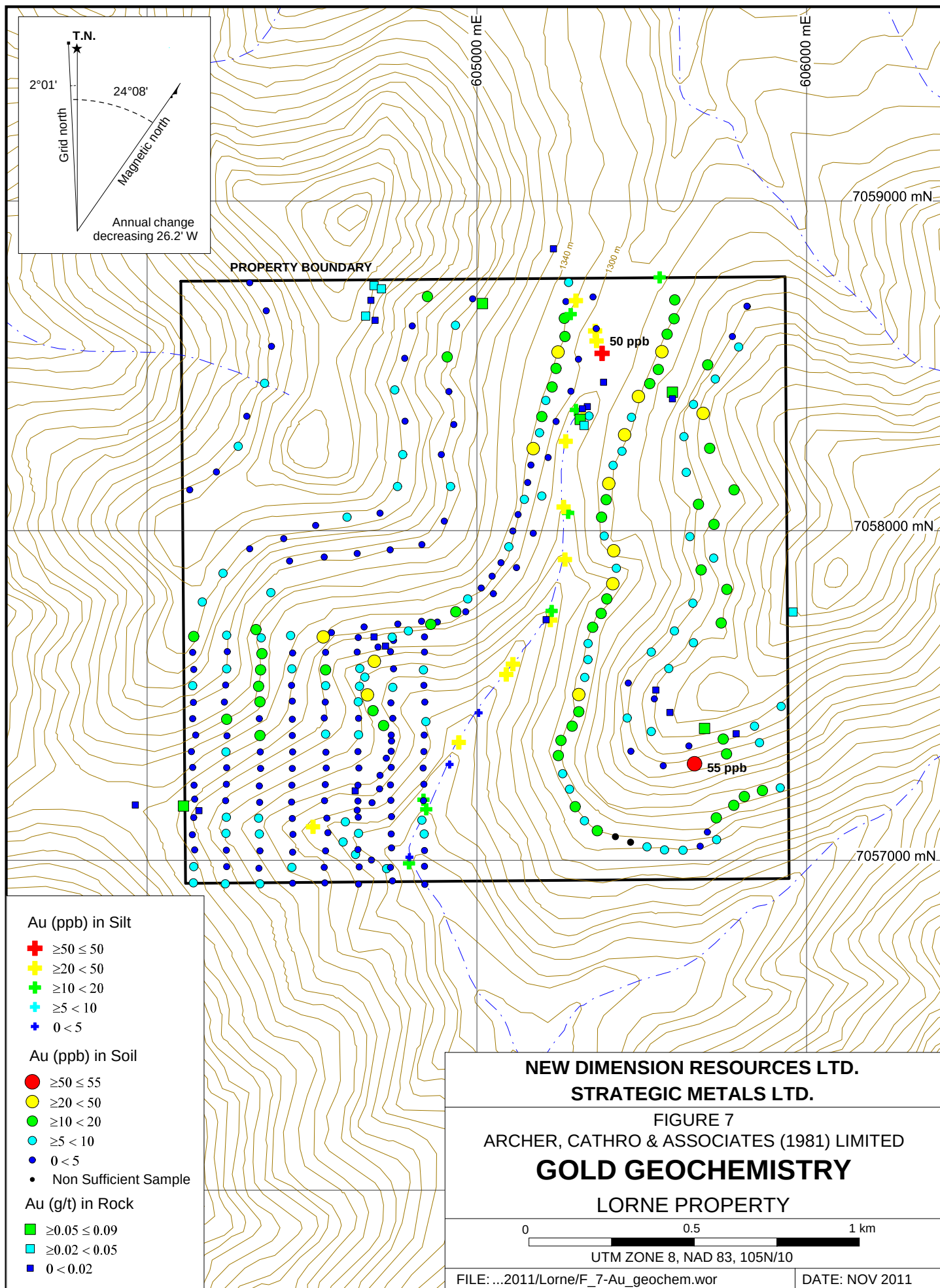
STREAM SEDIMENT AND SOIL GEOCHEMISTRY

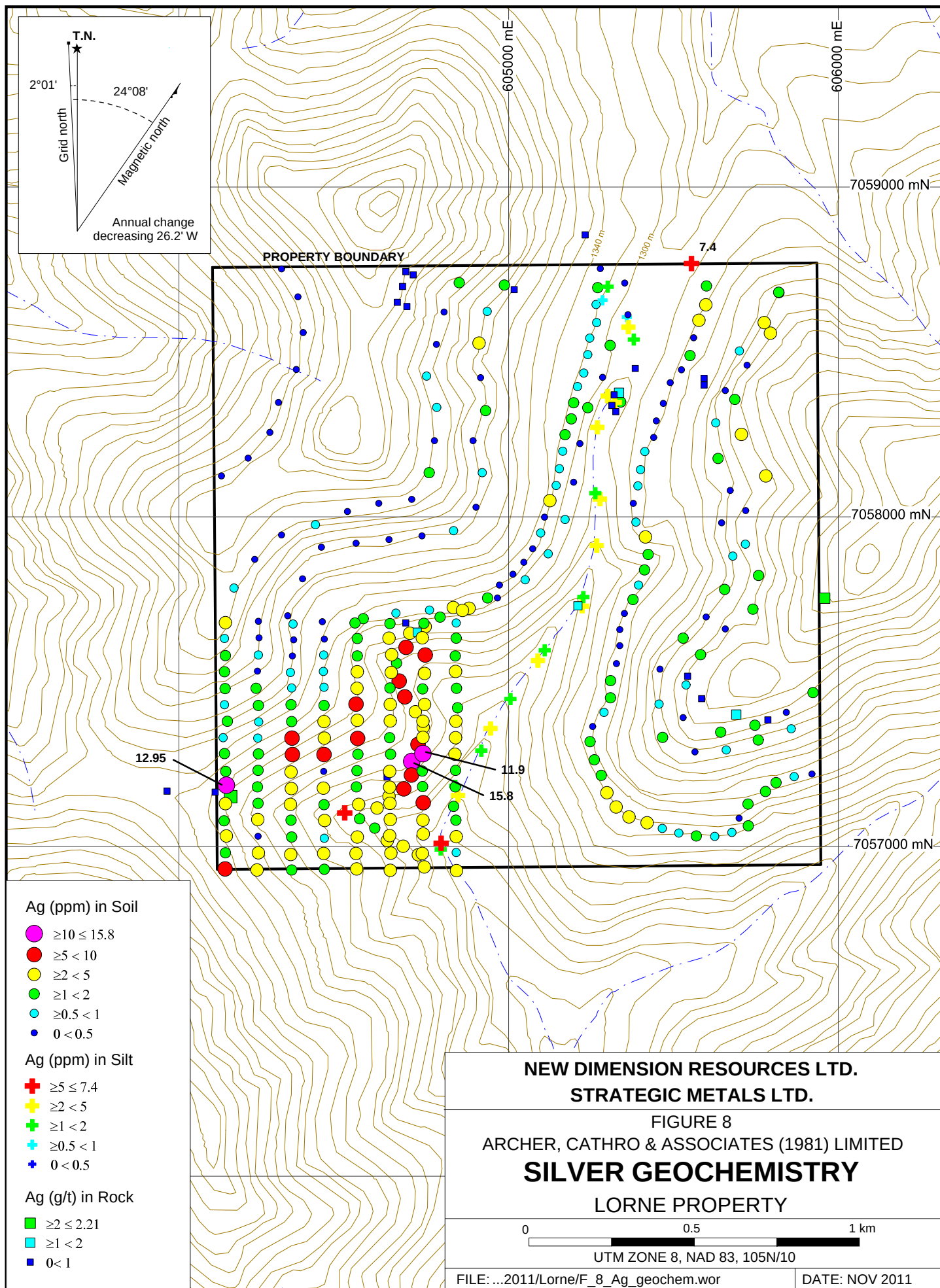
Stream Sediment Geochemistry

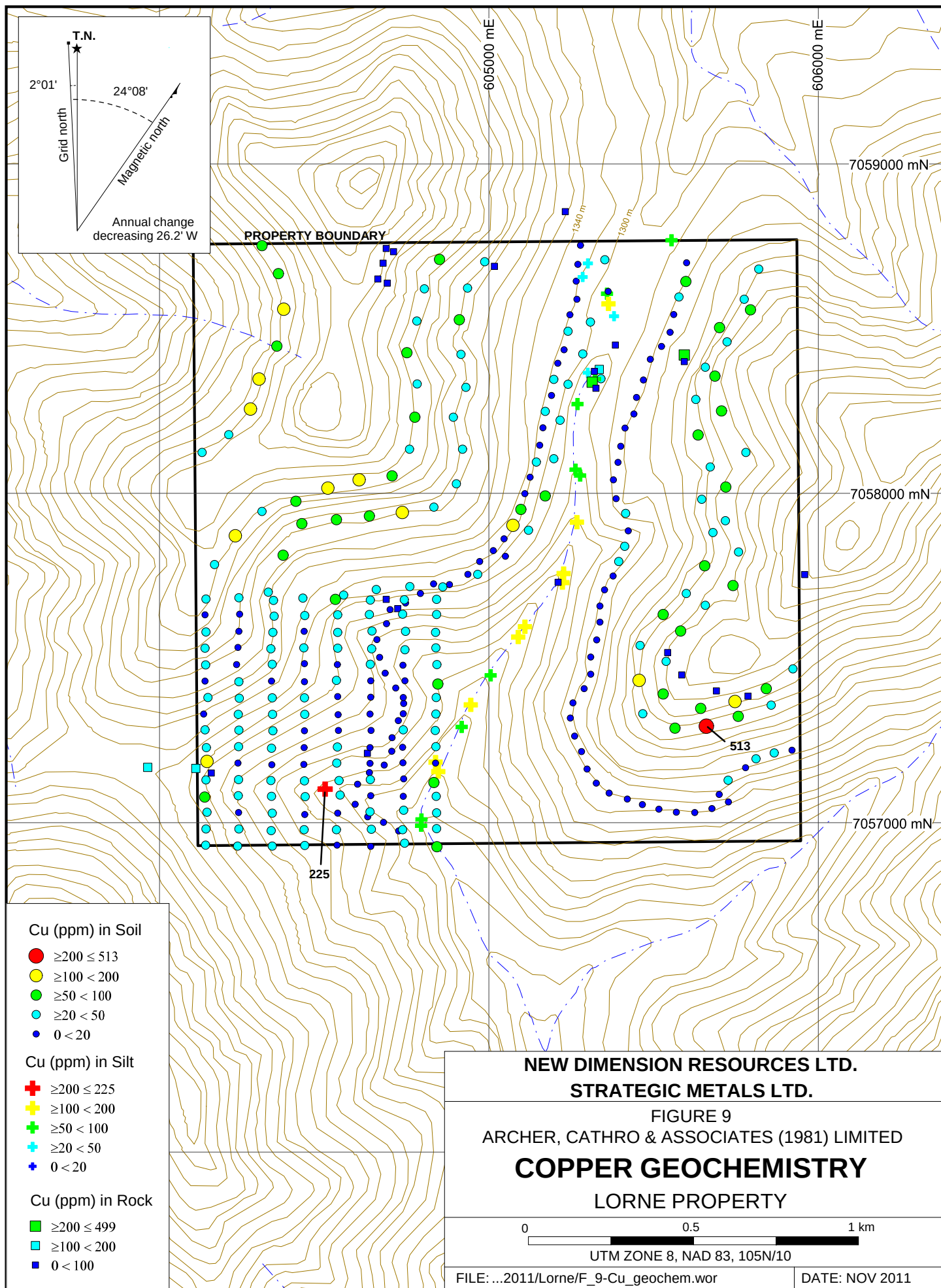
Regional stream sediment samples were collected by the GSC around the periphery of the Lorne property. The samples yielded elevated values for silver, copper, antimony, mercury, gold and arsenic (see History and Previous Work section for results).

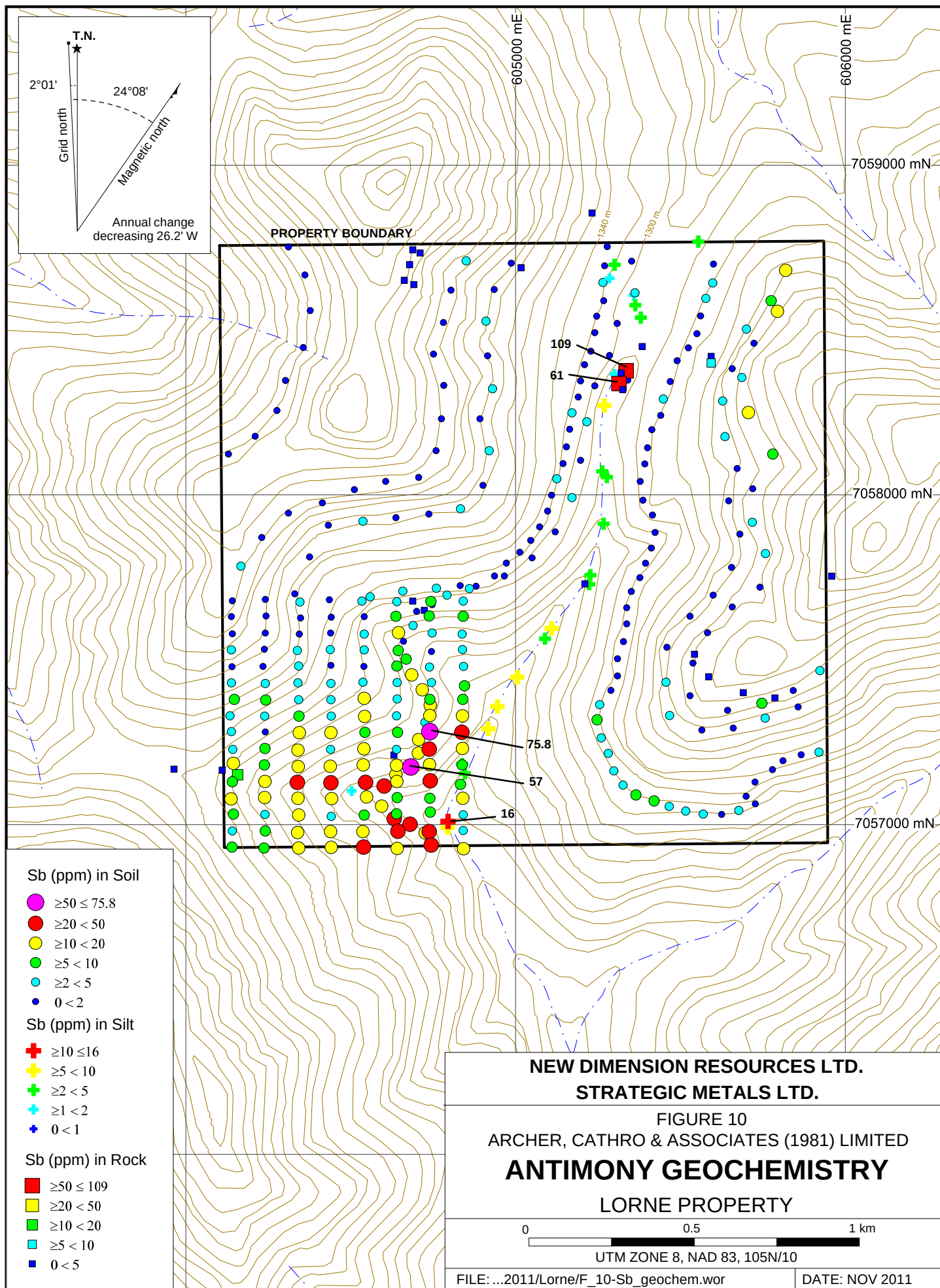
In 1998, Viceroy Exploration took several samples from the main south-flowing creek on the property and from its tributaries. In 2010, 7 stream sediment samples were collected from the south-flowing creek. Sample locations for both programs are shown on Figure 6, while results for gold, silver, copper, antimony and zinc are illustrated thematically on Figures 7 to 11, respectively.

The 1998 and 2010 stream sediment samples yielded weakly to strongly elevated values for gold ($\geq 10 \leq 90$ ppb), silver ($\geq 1 \leq 7.4$ ppm), copper ($\geq 50 \leq 225$ ppm) and antimony ($\geq 2 \leq 16$ ppm). The anomalous values extend the length of the property.







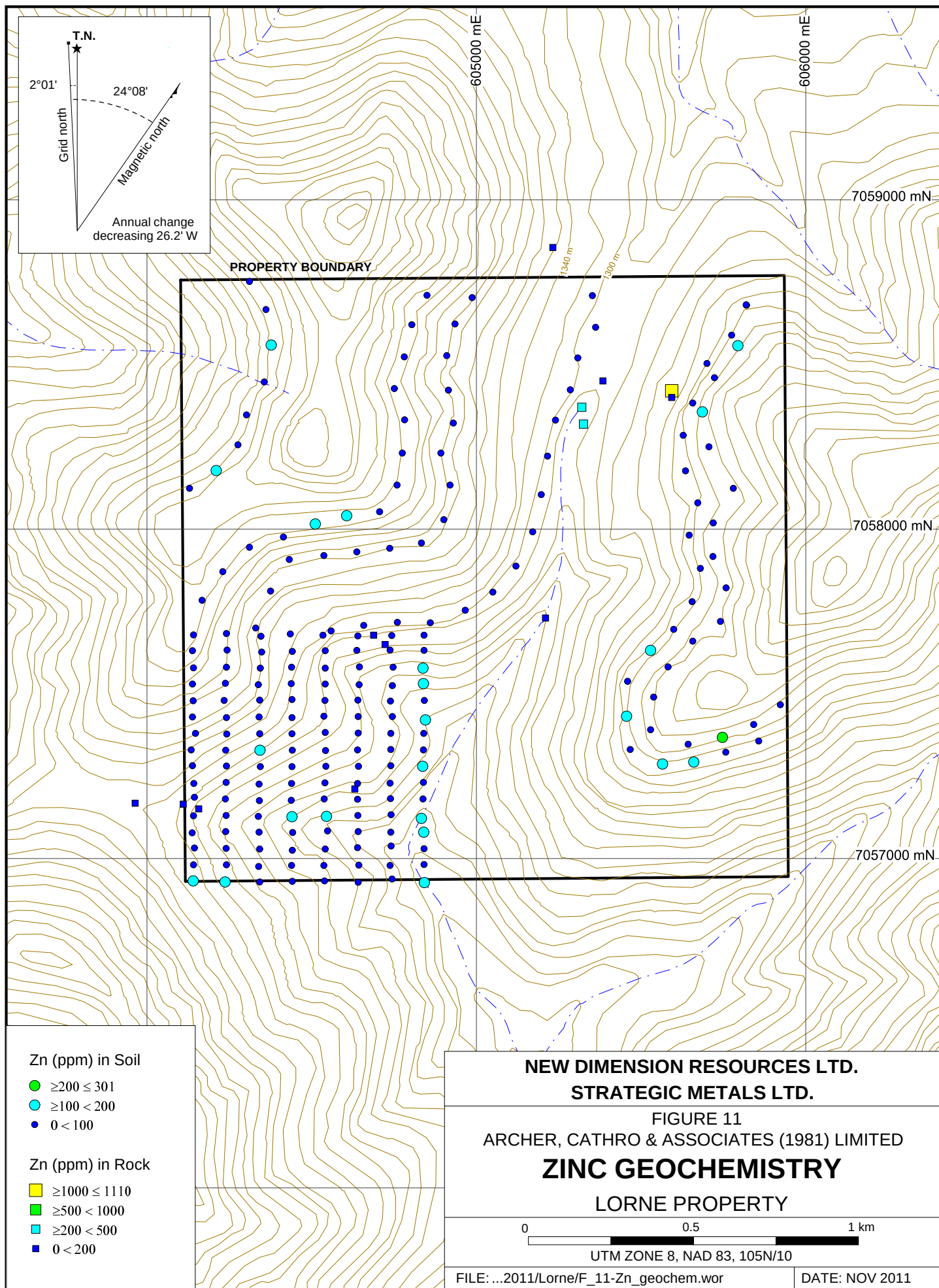


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**FIGURE 10
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ANTIMONY GEOCHEMISTRY
LORNE PROPERTY**

FILE: ...2011/Lorne/F_10-Sb_geochem.wor

DATE: NOV 2011



Soil Geochemistry

In 2010, Strategic Metals collected a total of 91 contour soil samples from both sides of the south-flowing creek. In 2011, New Dimension took an additional 217 soil samples from a grid in the southwestern part of the property and contour samples to the northwest and east. Sample locations are plotted on Figure 6, while results for gold, silver, copper, antimony and zinc are illustrated thematically on Figures 7 to 11, respectively. Certificates of Analysis are provided in Appendix II.

Soil samples were collected from 10 to 40 cm deep holes dug by hand-held auger. 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. Sample locations were recorded using hand-held GPS units.

The 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).

In general, the 2011 results support the 2010 data. Samples yielded numerous weak to strong gold ($\geq 10 \leq 55$ ppb), silver ($\geq 1 \leq 15.8$ ppm) and antimony ($\geq 5 \leq 75.8$ ppm) values, with sporadic, weak to strong copper support ($\geq 50 \leq 513$ ppm) and an isolated weakly anomalous zinc (301 ppm) value. Gold appears to be mostly concentrated in the northeastern and southwestern parts of the property, while a strong, coincident silver and antimony anomaly is present on the west side of the valley in the southern half of the property. The weakly anomalous zinc value is located in the southeastern part of the property.

DISCUSSION AND CONCLUSIONS

New Dimensions' 2011 exploration program was designed to confirm the distribution and tenor of stream sediment and soil sample anomalies that were identified by previous operators. Because the historical claim blocks were much larger than the current Lorne property, this ground had only been explored at reconnaissance-scale. The 2010 and 2011 sampling confirmed the presence of weakly to strongly elevated gold, silver, copper and antimony values across the property.

Due to the positive stream sediment and soil sample results, it definitely warrants more detailed work to constrain the source(s) of the anomalies. The entire property should be grid soil sampled, with samples taken at 50 m stations on lines spaced 100 m apart. Detailed geological mapping and systematic prospecting should be carried out near the headwaters of the south and east-flowing creeks and in the area of coincident, strongly anomalous silver-antimony soil geochemistry. If any mineralization is discovered at or near surface, hand trenching should be conducted and bedrock should be continuously chip sampled.

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
CERTIFICATE OF ANALYSIS



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

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
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VANCOUVER BC V6B 1L8

Page: 1
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Account: F

CERTIFICATE WH11094811

Project: New Dimension - Lorne

P.O. No.:

This report is for 5 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28- MAY- 2011.

The following have access to data associated with this certificate:

DOUG EATON

SARAH EATON

JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

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

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Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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 Account: F

Project: New Dimension - Lorne

CERTIFICATE OF ANALYSIS WH11094811

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL44 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
J999736		0.18	0.002	1.19	0.29	44.2	<0.2	<10	10	0.12	0.07	0.08	0.21	7.19	2.6	8
J999737		0.21	0.015	0.71	0.23	17.0	<0.2	<10	60	0.14	0.03	0.02	0.05	2.00	3.5	1
J999738		0.26	0.039	0.50	0.21	12.9	<0.2	<10	50	0.14	0.02	0.06	0.15	3.56	11.4	1
J999739		0.51	0.003	0.27	0.69	35.9	<0.2	<10	100	0.30	0.05	0.06	0.10	3.94	0.8	9
J999741		0.27	0.011	0.61	0.68	2.6	<0.2	<10	210	0.09	0.03	0.01	0.17	1.04	0.4	1



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Project: New Dimension - Lorne

CERTIFICATE OF ANALYSIS WH11094811

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
J999736		0.49	20.5	12.25	1.03	0.32	0.11	0.80	<0.005	0.13	3.4	1.1	0.02	50	0.93
J999737		0.07	31.9	42.9	0.55	0.70	0.02	0.12	0.006	0.01	0.6	0.4	0.01	2920	0.18
J999738		0.06	32.9	33.3	1.61	0.44	0.03	0.20	0.008	0.01	1.2	0.7	0.51	22900	1.71
J999739		1.35	7.3	47.9	0.75	0.85	0.06	0.02	<0.005	0.05	2.0	1.3	0.04	32	3.91
J999741		1.12	26.3	48.5	0.62	0.94	0.04	0.10	0.005	0.03	0.5	0.5	0.01	27	0.38



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Project: New Dimension - Lorne

CERTIFICATE OF ANALYSIS WH11094811

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
J999736		0.20	26.7	50	8.3	7.8	0.003	>10.0	3.72	0.6	61.0	0.2	6.9	<0.01	0.05
J999737		0.61	10.8	690	17.5	0.5	<0.001	0.26	2.01	5.2	0.7	<0.2	2.7	<0.01	0.01
J999738		0.42	27.5	320	24.3	0.4	<0.001	8.13	2.97	7.2	3.2	<0.2	40.6	0.01	0.02
J999739		1.07	9.6	350	4.2	4.0	0.001	0.80	2.35	2.1	2.5	0.2	6.4	0.01	0.02
J999741		1.07	1.9	130	2.7	2.8	<0.001	1.14	0.84	2.1	8.3	<0.2	6.9	<0.01	0.03



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 Account: F

Project: New Dimension - Lorne

CERTIFICATE OF ANALYSIS WH11094811

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
J999736		<0.005	0.11	0.27	19	0.09	1.14	35	4.3
J999737		<0.005	<0.02	0.07	57	0.21	6.53	121	2.1
J999738		<0.005	0.04	0.05	40	0.35	17.80	381	1.5
J999739		0.006	0.15	0.56	96	0.06	2.18	394	2.2
J999741		<0.005	0.06	0.21	13	<0.05	0.87	182	2.0



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Finalized Date: 14- JUN- 2011
Account: F**

Project: New Dimension - Lorne

CERTIFICATE OF ANALYSIS WH11094811

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 WH11142024

Project: Lansing- Lorne Property

P.O. No.:

This report is for 8 Rock samples submitted to our lab in Whitehorse, YT, Canada on 25- JUL- 2011.

The following have access to data associated with this certificate:

DOUG EATON

SARAH EATON

JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	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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Project: Lansing- Lorne Property

CERTIFICATE OF ANALYSIS WH11142024

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
I079175		0.29	0.005	0.36	0.54	8.2	<0.2	<10	1640	0.16	0.02	0.01	0.17	3.13	2.4	16
I079176		0.52	0.086	0.16	0.28	1370	<0.2	<10	1090	0.18	0.14	0.01	1.59	18.50	4.1	12
I079177		0.46	0.001	2.17	0.81	24.4	<0.2	<10	3300	0.37	0.07	0.03	1.28	7.31	0.7	16
I079178		0.10	0.001	0.06	0.06	9.4	<0.2	<10	320	<0.05	0.01	0.01	0.06	0.36	1.1	8
I079179		0.59	0.001	1.44	5.80	11.8	<0.2	<10	260	1.75	0.21	0.64	0.69	24.1	2.8	10
I079180		0.51	0.001	0.03	0.10	1.2	<0.2	<10	250	<0.05	<0.01	0.03	0.02	0.58	0.8	14
I079181		0.85	0.090	0.82	1.78	33.3	<0.2	<10	900	0.45	0.04	0.03	0.90	8.99	14.6	7
I079182		0.41	0.002	0.25	0.32	29.5	<0.2	<10	820	0.16	0.10	<0.01	0.26	12.45	2.1	8



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Project: Lansing- Lorne Property

CERTIFICATE OF ANALYSIS WH11142024

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
I079175		<0.05	114.0	7.12	1.06	0.07	0.04	0.10	0.012	<0.01	2.3	0.6	0.01	325	0.84
I079176		0.50	103.5	2.24	0.90	0.09	0.03	0.06	0.020	0.07	7.3	0.8	0.01	105	2.04
I079177		0.44	40.6	0.97	3.01	0.05	0.21	0.52	0.011	0.06	4.4	7.8	0.03	55	19.75
I079178		0.08	10.9	1.01	0.31	<0.05	0.02	0.01	<0.005	0.01	0.2	0.3	0.01	82	0.79
I079179		0.42	40.4	3.92	13.40	0.11	0.15	0.11	0.016	0.04	7.6	2.3	<0.01	106	5.14
I079180		0.07	12.1	1.29	0.23	<0.05	<0.02	0.01	<0.005	0.01	0.2	0.4	0.01	172	0.29
I079181		0.22	499	16.10	1.07	0.27	0.06	0.20	0.032	0.04	2.7	3.0	0.14	702	2.34
I079182		0.59	58.7	12.00	1.58	0.18	0.09	0.26	0.016	0.10	6.7	1.1	0.01	86	6.21



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Project: Lansing- Lorne Property

CERTIFICATE OF ANALYSIS WH11142024

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
I079175		0.11	18.8	710	6.1	0.3	0.001	0.16	3.44	4.6	3.4	<0.2	37.0	<0.01	0.02	0.6
I079176		0.07	13.6	140	5.7	4.7	<0.001	0.01	2.15	3.3	1.3	<0.2	31.6	<0.01	0.03	1.4
I079177		0.71	34.3	160	5.6	6.2	0.024	0.08	17.65	1.9	14.1	0.2	30.6	<0.01	0.06	1.4
I079178		0.21	5.6	120	3.4	0.6	<0.001	<0.01	0.59	0.6	0.2	<0.2	5.7	<0.01	<0.01	<0.2
I079179		0.14	20.2	3090	6.9	5.6	0.002	1.10	1.97	1.0	7.9	0.6	73.2	0.01	0.02	5.3
I079180		0.13	5.4	230	3.9	0.7	<0.001	<0.01	0.16	1.1	<0.2	<0.2	26.1	<0.01	0.01	<0.2
I079181		0.23	92.0	9340	70.2	1.7	0.001	0.32	4.75	15.9	6.6	<0.2	484	0.01	0.30	0.4
I079182		0.24	15.3	640	7.0	6.2	0.003	0.07	9.45	1.3	4.2	0.2	10.4	<0.01	0.06	2.0



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Project: Lansing- Lorne Property

CERTIFICATE OF ANALYSIS WH11142024

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
I079175		<0.005	<0.02	0.59	58	<0.05	2.45	113	4.9
I079176		<0.005	0.06	0.66	10	0.07	5.90	75	0.9
I079177		0.051	0.21	4.37	781	0.14	4.22	138	10.0
I079178		<0.005	<0.02	0.09	12	0.05	0.97	26	0.7
I079179		<0.005	0.53	3.59	15	0.06	2.21	67	2.5
I079180		<0.005	<0.02	0.06	3	<0.05	0.92	13	<0.5
I079181		<0.005	0.20	4.23	27	0.13	14.20	1110	5.5
I079182		<0.005	0.09	1.05	36	0.05	2.01	169	5.1



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Project: Lansing- Lorne Property

CERTIFICATE OF ANALYSIS WH11142024

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 WH11145419

Project: New Dimension - Lorne

P.O. No.:

This report is for 128 Soil samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL- 2011.

The following have access to data associated with this certificate:

DOUG EATON

SARAH EATON

JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

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

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Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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To: ARCHER, CATHRO AND ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
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Project: New Dimension - Lorne

CERTIFICATE OF ANALYSIS WH11145419

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
ZZ17001		0.26	0.006	5.54	2.02	37.5	<0.2	<10	2440	0.52	0.28	0.20	0.53	19.95	4.9	28
ZZ17002		0.24	0.009	1.26	0.29	14.4	<0.2	<10	350	0.08	0.25	0.02	0.06	17.90	1.0	7
ZZ17003		0.28	0.004	3.90	0.78	33.6	<0.2	<10	1890	0.22	0.26	0.15	0.29	16.35	2.1	18
ZZ17004		0.28	0.004	1.65	0.68	33.1	<0.2	<10	2040	0.18	0.19	0.11	0.60	19.35	3.7	13
ZZ17005		0.30	0.002	2.07	0.39	19.9	<0.2	<10	2290	0.17	0.21	0.10	0.41	12.90	1.6	14
ZZ17006		0.24	0.004	12.95	1.43	39.0	<0.2	<10	3140	0.42	0.25	0.11	5.33	12.85	1.8	20
ZZ17007		0.24	0.002	1.55	0.59	20.8	<0.2	<10	440	0.16	0.26	0.04	0.19	19.40	1.8	13
ZZ17008		0.32	0.001	1.91	0.52	18.7	<0.2	<10	440	0.15	0.35	0.03	0.25	24.9	2.0	13
ZZ17009		0.30	0.001	0.89	0.66	16.9	<0.2	<10	350	0.15	0.36	0.04	0.49	24.2	2.8	14
ZZ17010		0.28	0.003	1.15	0.73	24.8	<0.2	<10	380	0.17	0.35	0.04	0.25	21.6	2.8	15
ZZ17011		0.22	0.002	0.90	0.45	17.8	<0.2	<10	340	0.13	0.26	0.04	0.19	17.25	1.7	10
ZZ17012		0.28	0.004	1.34	0.34	11.2	<0.2	<10	470	0.07	0.25	0.03	0.04	4.91	0.9	9
ZZ17013		0.28	0.006	1.87	0.37	24.2	<0.2	<10	260	0.11	0.27	0.01	0.04	7.03	1.0	16
ZZ17014		0.24	0.004	1.30	0.85	15.0	<0.2	<10	200	0.13	0.40	0.02	0.10	13.30	2.8	19
ZZ17015		0.28	0.003	0.78	0.68	19.4	<0.2	<10	120	0.12	0.33	0.02	0.06	17.45	2.4	17
ZZ17016		0.28	0.012	3.07	1.64	20.4	<0.2	<10	150	0.33	0.34	0.04	0.14	18.35	4.1	27
ZZ17017		0.24	0.008	0.59	0.47	21.6	<0.2	<10	380	0.10	0.28	0.03	0.08	18.85	2.0	13
ZZ17018		0.22	0.011	0.33	0.92	15.4	<0.2	<10	160	0.21	0.27	0.03	0.18	15.60	3.8	18
ZZ17019		0.26	0.015	0.30	0.60	16.3	<0.2	<10	140	0.13	0.37	0.02	0.09	16.85	2.6	14
ZZ17020		0.22	0.013	0.84	1.06	19.3	<0.2	<10	240	0.30	0.24	0.04	0.19	20.4	4.7	18
ZZ17021		0.30	0.011	0.59	0.60	18.5	<0.2	<10	470	0.13	0.30	0.04	0.13	19.30	3.0	16
ZZ17022		0.22	0.001	1.04	0.39	10.1	<0.2	<10	430	0.15	0.28	0.04	0.26	22.7	1.9	17
ZZ17023		0.20	0.016	1.76	0.59	46.9	<0.2	<10	600	0.21	0.34	0.05	0.10	19.65	1.5	15
ZZ17024		0.26	0.004	5.22	0.82	35.7	<0.2	<10	2050	0.24	0.33	0.12	0.46	20.0	3.2	22
ZZ17025		0.28	0.003	5.05	0.72	42.2	<0.2	<10	1270	0.20	0.28	0.07	0.33	16.50	2.6	17
ZZ17026		0.32	0.004	2.00	0.60	22.7	<0.2	<10	970	0.17	0.27	0.04	1.69	19.10	1.7	12
ZZ17027		0.24	0.002	2.49	0.75	29.4	<0.2	<10	410	0.18	0.28	0.04	0.23	19.20	2.3	16
ZZ17028		0.26	0.007	3.05	0.76	35.6	<0.2	<10	1230	0.22	0.28	0.03	0.71	15.85	2.3	15
ZZ17029		0.30	0.006	1.46	0.68	33.1	<0.2	<10	1530	0.17	0.21	0.05	0.44	19.45	2.8	14
ZZ17030		0.32	0.004	1.41	1.49	18.7	<0.2	<10	460	0.38	0.26	0.07	0.34	23.6	4.3	21
ZZ17031		0.30	0.004	2.20	0.38	36.5	<0.2	<10	450	0.14	0.33	0.03	0.25	22.6	1.5	11
ZZ17032		0.18	0.006	1.84	1.36	42.5	<0.2	<10	590	0.29	0.35	0.06	0.24	20.2	5.1	26
ZZ17033		0.32	0.004	2.36	1.12	47.0	<0.2	<10	470	0.24	0.38	0.03	0.19	20.9	3.2	20
ZZ17034		0.26	0.004	3.31	0.93	39.8	<0.2	<10	410	0.22	0.35	0.03	0.26	25.7	2.3	17
ZZ17035		0.28	0.001	2.30	0.29	19.2	<0.2	<10	350	0.11	0.23	0.02	0.23	28.8	1.2	9
ZZ17036		0.26	0.002	1.75	0.52	30.4	<0.2	<10	620	0.18	0.27	0.02	0.75	19.30	1.6	10
ZZ17037		0.20	0.001	2.28	0.34	53.0	<0.2	<10	820	0.11	0.32	0.07	1.02	23.9	1.0	8
ZZ17038		0.26	0.004	1.69	0.79	27.5	<0.2	<10	1130	0.22	0.23	0.05	0.62	22.8	2.8	16
ZZ17039		0.30	0.002	1.74	0.76	44.4	<0.2	<10	510	0.15	0.27	0.05	0.71	17.95	3.3	22
ZZ17040		0.32	0.001	1.48	0.75	19.4	<0.2	<10	320	0.16	0.32	0.03	0.19	25.2	1.8	13



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CERTIFICATE OF ANALYSIS WH11145419

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
ZZ1 7001		1.56	39.9	3.19	5.12	0.10	0.04	0.55	0.047	0.06	11.2	14.9	0.20	214	12.20
ZZ1 7002		1.08	33.6	1.35	2.26	0.06	<0.02	0.09	0.021	0.04	9.8	0.9	0.01	41	6.14
ZZ1 7003		1.11	34.9	2.54	3.72	0.09	0.02	0.43	0.030	0.06	9.9	3.3	0.07	47	13.30
ZZ1 7004		1.09	52.0	2.36	2.08	0.10	0.05	0.47	0.033	0.07	10.8	6.9	0.16	104	16.45
ZZ1 7005		1.16	30.7	1.64	2.37	0.06	0.02	0.15	0.019	0.04	8.0	1.4	0.03	38	12.05
ZZ1 7006		2.82	130.5	2.24	4.18	0.12	<0.02	0.80	0.038	0.05	7.6	3.2	0.09	55	26.3
ZZ1 7007		1.21	21.1	2.00	4.23	0.07	<0.02	0.07	0.020	0.05	11.0	2.1	0.06	58	10.50
ZZ1 7008		1.76	20.0	1.83	4.59	0.06	<0.02	0.06	0.020	0.05	14.0	1.3	0.04	57	6.29
ZZ1 7009		1.18	14.7	2.15	5.95	0.07	<0.02	0.05	0.017	0.05	13.0	2.3	0.07	118	4.54
ZZ1 7010		1.36	20.4	2.60	5.27	0.07	<0.02	0.07	0.025	0.06	11.8	3.6	0.09	113	8.76
ZZ1 7011		1.12	17.3	1.67	3.72	0.05	<0.02	0.08	0.019	0.05	9.8	1.1	0.03	65	6.23
ZZ1 7012		1.15	33.3	1.72	2.20	0.05	<0.02	0.10	0.014	0.03	2.3	0.9	0.02	20	1.89
ZZ1 7013		1.51	32.3	2.22	2.78	0.07	<0.02	0.10	0.019	0.03	3.5	0.6	0.01	23	5.73
ZZ1 7014		2.38	32.5	3.36	5.22	0.08	<0.02	0.10	0.023	0.04	7.0	4.5	0.09	94	2.59
ZZ1 7015		1.92	17.5	2.97	5.65	0.08	<0.02	0.08	0.019	0.03	9.3	2.9	0.06	90	3.67
ZZ1 7016		1.85	20.8	3.56	6.04	0.09	0.03	0.20	0.033	0.04	9.7	14.0	0.20	149	4.12
ZZ1 7017		1.22	28.5	2.62	3.65	0.07	<0.02	0.11	0.023	0.05	10.6	2.4	0.07	79	6.43
ZZ1 7018		1.40	22.1	3.12	4.36	0.06	<0.02	0.07	0.027	0.04	8.4	6.7	0.11	254	3.08
ZZ1 7019		1.44	28.5	3.12	5.02	0.07	<0.02	0.04	0.025	0.03	8.7	2.5	0.06	159	2.80
ZZ1 7020		1.16	31.4	2.96	3.32	0.07	0.02	0.09	0.036	0.04	10.8	10.9	0.19	162	5.66
ZZ1 7021		1.70	29.8	2.62	4.09	0.10	<0.02	0.04	0.026	0.05	9.4	3.8	0.12	124	4.52
ZZ1 7022		1.43	19.4	1.32	4.16	0.09	<0.02	0.03	0.017	0.05	13.5	0.8	0.02	65	6.16
ZZ1 7023		1.44	35.0	2.92	3.38	0.11	0.03	0.45	0.037	0.11	10.2	2.6	0.06	60	17.00
ZZ1 7024		1.71	29.1	3.47	6.51	0.10	<0.02	0.19	0.031	0.07	11.8	2.8	0.09	212	10.35
ZZ1 7025		1.43	22.9	2.39	3.10	0.10	0.05	0.36	0.026	0.08	9.7	2.1	0.05	34	18.90
ZZ1 7026		3.17	30.1	1.65	3.89	0.09	<0.02	0.19	0.023	0.06	9.7	1.3	0.04	36	20.8
ZZ1 7027		0.88	19.9	3.06	4.49	0.11	<0.02	0.08	0.031	0.05	10.3	3.8	0.11	80	11.00
ZZ1 7028		1.62	29.7	2.65	3.66	0.12	<0.02	0.40	0.033	0.07	8.9	3.8	0.11	55	21.0
ZZ1 7029		1.11	44.3	2.60	2.36	0.11	<0.02	0.32	0.039	0.08	10.5	5.3	0.14	73	18.95
ZZ1 7030		1.50	26.9	2.55	4.80	0.11	0.02	0.34	0.034	0.06	12.4	10.5	0.22	153	11.25
ZZ1 7031		1.42	27.3	2.11	4.99	0.11	<0.02	0.10	0.023	0.06	12.4	1.6	0.04	41	18.55
ZZ1 7032		1.75	29.5	5.26	6.38	0.11	0.02	0.25	0.050	0.09	10.4	9.3	0.22	233	21.3
ZZ1 7033		1.76	17.5	3.70	6.14	0.11	0.02	0.20	0.039	0.09	11.0	7.4	0.17	140	27.3
ZZ1 7034		1.45	23.8	3.16	5.56	0.11	<0.02	0.20	0.039	0.07	14.2	5.5	0.08	70	18.00
ZZ1 7035		1.34	19.2	1.07	2.32	0.10	<0.02	0.05	0.014	0.04	15.5	0.7	0.01	22	15.10
ZZ1 7036		0.97	29.8	2.64	2.62	0.11	<0.02	0.12	0.037	0.08	10.8	1.6	0.05	33	18.60
ZZ1 7037		1.37	21.3	2.14	3.13	0.13	<0.02	0.13	0.051	0.12	14.1	1.7	0.05	19	35.5
ZZ1 7038		1.20	33.0	2.47	3.82	0.12	<0.02	0.17	0.036	0.06	12.9	5.3	0.14	70	12.65
ZZ1 7039		1.69	21.8	4.81	7.77	0.12	<0.02	0.09	0.028	0.08	9.4	4.0	0.18	142	17.00
ZZ1 7040		1.23	12.0	2.16	5.54	0.10	<0.02	0.06	0.018	0.05	13.6	2.5	0.06	60	10.00



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CERTIFICATE OF ANALYSIS WH11145419

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
ZZ17001		0.93	23.4	4890	17.1	10.1	0.002	0.12	9.69	1.9	6.8	0.5	111.5	0.01	0.13	0.8
ZZ17002		0.10	4.6	880	16.0	6.0	0.001	0.05	2.51	0.5	3.3	0.4	49.6	<0.01	0.20	<0.2
ZZ17003		0.36	14.3	3640	16.8	7.3	0.002	0.11	8.71	0.8	6.9	0.5	124.5	<0.01	0.12	0.2
ZZ17004		0.41	21.8	1410	13.4	5.9	0.003	0.13	15.65	2.7	7.8	0.2	110.0	<0.01	0.10	3.4
ZZ17005		0.11	10.2	1990	14.5	6.0	0.002	0.08	6.55	0.5	4.4	0.5	82.2	<0.01	0.10	<0.2
ZZ17006		0.31	63.7	3960	15.9	9.0	0.003	0.16	17.20	0.3	16.0	0.5	73.7	<0.01	0.13	<0.2
ZZ17007		0.22	8.6	1430	16.7	9.3	<0.001	0.05	4.48	0.4	3.7	0.6	38.4	<0.01	0.09	<0.2
ZZ17008		0.23	8.0	940	18.7	9.5	<0.001	0.05	3.58	0.5	1.9	0.8	58.7	<0.01	0.12	<0.2
ZZ17009		0.56	9.8	1310	16.4	12.6	<0.001	0.01	2.94	1.1	1.5	0.8	17.2	<0.01	0.07	0.3
ZZ17010		0.52	10.7	920	19.5	10.9	<0.001	0.05	5.96	0.9	3.5	0.7	32.4	<0.01	0.11	0.3
ZZ17011		0.19	7.2	820	15.8	9.9	<0.001	0.04	3.37	0.4	2.4	0.6	28.6	<0.01	0.11	<0.2
ZZ17012		0.17	6.7	310	10.9	5.1	0.001	0.01	1.37	0.9	2.5	0.2	15.6	<0.01	0.09	0.8
ZZ17013		0.34	9.4	270	16.8	6.0	0.001	0.01	2.20	1.1	4.8	0.4	6.8	<0.01	0.09	1.1
ZZ17014		1.21	10.2	360	14.8	7.8	<0.001	0.01	1.41	1.6	2.5	0.6	9.5	<0.01	0.09	2.1
ZZ17015		1.48	8.0	350	15.2	11.3	<0.001	<0.01	1.79	1.4	3.4	0.7	9.9	<0.01	0.08	1.9
ZZ17016		1.81	13.0	420	19.5	10.1	<0.001	0.01	1.76	2.4	4.0	0.6	10.6	0.01	0.09	3.1
ZZ17017		0.32	7.7	1000	17.8	7.8	<0.001	0.07	2.64	0.7	2.2	0.4	83.5	<0.01	0.14	0.2
ZZ17018		0.84	10.4	580	14.5	8.9	<0.001	0.02	1.82	1.3	1.4	0.5	18.7	<0.01	0.10	0.6
ZZ17019		1.51	7.8	480	19.4	9.4	<0.001	0.01	1.46	1.6	1.0	0.6	17.9	<0.01	0.14	2.3
ZZ17020		0.90	15.6	580	15.2	7.7	<0.001	0.04	4.74	2.2	3.3	0.4	36.8	<0.01	0.14	2.6
ZZ17021		0.91	11.1	840	16.4	9.6	0.001	0.05	2.78	1.4	2.1	0.5	31.8	<0.01	0.11	1.8
ZZ17022		0.16	8.4	730	14.6	8.9	<0.001	0.04	2.59	0.2	1.5	0.9	37.9	<0.01	0.09	<0.2
ZZ17023		0.31	5.6	4090	21.2	13.5	0.001	0.19	3.45	1.2	3.6	0.5	153.5	<0.01	0.20	0.5
ZZ17024		0.54	20.4	4610	16.6	11.4	0.001	0.11	5.11	1.0	3.3	0.7	127.5	<0.01	0.10	0.3
ZZ17025		0.27	8.4	3930	21.0	10.7	0.002	0.10	13.75	0.8	10.6	0.6	84.0	<0.01	0.11	0.4
ZZ17026		0.23	25.3	900	16.4	12.9	0.001	0.08	15.60	0.2	8.1	0.8	54.9	<0.01	0.09	<0.2
ZZ17027		0.72	10.3	1440	16.0	7.2	0.001	0.07	10.10	1.0	5.6	0.5	38.2	<0.01	0.09	0.5
ZZ17028		0.22	21.8	1230	20.7	10.3	0.003	0.14	21.9	0.3	15.9	0.5	65.1	<0.01	0.11	<0.2
ZZ17029		0.27	16.5	1090	15.0	6.8	0.003	0.16	19.85	1.3	8.5	0.3	92.1	<0.01	0.10	0.5
ZZ17030		1.25	15.9	660	14.4	9.7	0.001	0.04	10.10	2.1	6.7	0.6	29.2	<0.01	0.04	2.1
ZZ17031		0.56	8.5	1590	21.0	7.7	0.001	0.10	10.70	0.8	6.4	0.7	104.0	<0.01	0.11	0.4
ZZ17032		1.40	16.4	1890	21.4	13.3	0.001	0.12	14.95	1.9	7.4	0.6	69.6	<0.01	0.11	2.6
ZZ17033		1.35	10.9	760	26.4	16.1	<0.001	0.10	26.5	1.8	7.2	0.7	53.1	<0.01	0.14	3.5
ZZ17034		0.95	9.7	1060	21.2	12.2	0.001	0.09	17.35	1.5	6.5	0.7	55.3	<0.01	0.10	2.2
ZZ17035		0.28	6.7	390	17.0	5.8	0.001	0.03	9.87	0.6	4.1	0.6	36.4	<0.01	0.08	0.4
ZZ17036		0.23	9.0	1120	18.6	8.9	0.002	0.13	15.85	0.3	7.9	0.4	66.0	<0.01	0.12	<0.2
ZZ17037		0.35	10.3	770	27.2	10.8	0.003	0.25	38.5	1.2	15.3	0.5	186.5	<0.01	0.16	2.1
ZZ17038		0.44	13.5	1110	14.5	10.3	0.002	0.10	10.00	0.9	8.7	0.5	67.7	<0.01	0.10	0.3
ZZ17039		0.54	14.6	2190	17.6	10.9	<0.001	0.13	17.10	0.6	13.2	0.6	46.4	<0.01	0.09	0.2
ZZ17040		1.19	6.7	1070	16.4	11.0	<0.001	0.05	6.52	1.3	3.1	0.8	32.6	<0.01	0.06	3.2



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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
ZZ17001		0.022	0.44	3.48	139	0.25	6.34	112	0.9
ZZ17002		0.008	0.20	0.65	44	0.10	1.72	28	<0.5
ZZ17003		0.013	0.37	2.23	158	0.16	4.08	65	<0.5
ZZ17004		0.018	0.60	2.57	82	0.13	6.07	93	3.1
ZZ17005		0.007	0.31	1.49	109	0.10	2.68	58	<0.5
ZZ17006		0.005	0.70	6.20	107	0.15	6.71	90	<0.5
ZZ17007		0.013	0.27	0.88	75	0.18	1.92	43	<0.5
ZZ17008		0.017	0.18	0.67	56	0.18	2.43	40	<0.5
ZZ17009		0.029	0.23	0.61	79	0.27	2.04	62	<0.5
ZZ17010		0.022	0.34	0.72	94	0.27	1.92	65	<0.5
ZZ17011		0.011	0.21	0.47	64	0.17	1.48	38	<0.5
ZZ17012		0.006	0.06	0.43	24	<0.05	1.45	29	<0.5
ZZ17013		0.010	0.08	0.87	33	0.07	2.82	42	<0.5
ZZ17014		0.026	0.12	0.56	49	0.18	1.90	44	0.7
ZZ17015		0.034	0.15	0.53	54	0.27	2.16	37	0.5
ZZ17016		0.036	0.18	0.84	55	0.33	2.59	55	1.6
ZZ17017		0.018	0.28	0.71	41	0.19	2.15	35	<0.5
ZZ17018		0.025	0.13	0.67	45	0.22	1.88	54	<0.5
ZZ17019		0.040	0.11	0.49	52	0.25	1.65	41	0.5
ZZ17020		0.028	0.20	0.88	49	0.20	2.61	74	0.6
ZZ17021		0.031	0.16	0.62	48	0.23	2.00	52	<0.5
ZZ17022		0.006	0.20	0.77	111	0.13	1.71	40	<0.5
ZZ17023		0.011	0.35	1.36	40	0.13	2.44	35	1.0
ZZ17024		0.022	0.42	1.43	102	0.24	4.39	114	<0.5
ZZ17025		0.008	0.58	2.83	139	0.15	3.19	44	0.5
ZZ17026		0.007	0.65	1.26	61	0.18	2.58	50	<0.5
ZZ17027		0.021	0.39	1.12	98	0.22	2.08	60	<0.5
ZZ17028		0.008	0.68	1.53	81	0.19	2.61	68	<0.5
ZZ17029		0.013	0.66	2.21	72	0.12	3.92	92	<0.5
ZZ17030		0.030	0.36	1.88	68	0.29	3.19	62	0.7
ZZ17031		0.024	0.54	1.23	128	0.24	3.36	71	<0.5
ZZ17032		0.027	0.61	1.58	121	0.33	2.95	78	0.6
ZZ17033		0.028	0.98	1.22	141	0.28	2.37	57	1.1
ZZ17034		0.023	0.60	1.45	121	0.24	2.53	66	<0.5
ZZ17035		0.014	0.23	1.07	94	0.12	2.15	64	<0.5
ZZ17036		0.007	0.66	2.36	88	0.11	2.07	94	<0.5
ZZ17037		0.013	1.48	1.54	149	0.12	3.52	116	<0.5
ZZ17038		0.019	0.35	1.67	63	0.17	2.76	67	<0.5
ZZ17039		0.021	0.56	1.03	164	0.24	1.98	67	<0.5
ZZ17040		0.035	0.44	0.83	96	0.24	2.04	43	0.6



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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
ZZ17041		0.20	0.003	6.09	1.42	27.9	<0.2	<10	320	0.33	0.29	0.05	0.34	25.2	3.2	23
ZZ17042		0.28	0.005	4.80	1.17	31.0	<0.2	<10	400	0.28	0.26	0.04	0.19	23.5	2.2	22
ZZ17043		0.26	0.003	6.07	1.05	26.5	<0.2	<10	240	0.17	0.32	0.06	0.24	21.1	4.8	25
ZZ17044		0.24	0.001	2.22	0.64	10.8	<0.2	<10	250	0.08	0.36	0.03	0.09	27.2	1.8	12
ZZ17045		0.24	0.009	3.15	0.66	24.2	<0.2	<10	980	0.28	0.26	0.13	0.11	12.05	0.9	20
ZZ17046		0.28	0.010	1.95	0.71	12.6	<0.2	<10	1600	0.25	0.19	0.07	0.12	22.5	2.5	13
ZZ17047		0.22	0.003	1.01	1.18	19.8	<0.2	<10	350	0.47	0.35	0.04	0.39	16.65	6.3	22
ZZ17048		0.24	0.027	1.33	1.04	22.9	<0.2	<10	480	0.28	0.38	0.03	0.28	20.2	10.3	21
ZZ17049		0.24	0.007	1.58	1.11	34.9	<0.2	<10	600	0.30	0.23	0.11	0.26	20.6	3.7	22
ZZ17050		0.26	0.003	3.94	0.63	28.9	<0.2	<10	1170	0.18	0.36	0.05	0.18	24.4	1.7	20
ZZ17051		0.22	<0.001	5.58	0.43	13.3	<0.2	<10	830	0.18	0.28	0.02	0.50	17.20	1.6	25
ZZ17052		0.24	0.005	2.81	1.13	21.3	<0.2	<10	430	0.33	0.36	0.04	0.24	14.90	5.7	22
ZZ17053		0.32	0.002	1.49	0.35	15.9	<0.2	<10	560	0.09	0.28	0.03	0.08	20.8	1.3	11
ZZ17054		0.24	0.001	2.68	0.52	12.8	<0.2	<10	840	0.11	0.43	0.04	0.25	22.4	1.4	15
ZZ17055		0.20	0.003	3.33	1.63	20.4	<0.2	<10	250	0.27	0.28	0.07	0.24	20.9	3.4	26
ZZ17056		0.24	0.001	2.12	0.62	34.8	<0.2	<10	500	0.14	0.36	0.02	0.25	23.0	1.2	12
ZZ17057		0.22	0.004	11.90	1.19	95.3	<0.2	<10	1010	0.21	0.63	0.05	0.41	21.3	2.4	27
ZZ17058		0.22	0.001	1.22	0.55	51.9	<0.2	<10	560	0.14	0.42	0.02	0.42	25.1	2.2	11
ZZ17059		0.26	0.001	1.56	0.35	18.2	<0.2	<10	380	0.10	0.35	0.02	0.23	31.8	1.7	8
ZZ17060		0.24	0.004	6.48	1.07	43.0	<0.2	<10	1740	0.28	0.32	0.09	0.69	26.5	1.8	19
ZZ17061		0.24	0.002	2.53	0.99	35.0	<0.2	<10	530	0.23	0.34	0.05	0.42	21.6	3.0	20
ZZ17062		0.24	0.001	2.33	0.32	15.1	<0.2	<10	690	0.11	0.27	0.02	0.44	17.50	2.1	11
ZZ17063		0.20	0.004	3.10	0.60	46.6	<0.2	<10	790	0.15	0.27	0.03	0.33	21.6	1.8	14
ZZ17064		0.24	0.004	4.26	0.73	60.2	<0.2	<10	550	0.15	0.36	0.03	0.32	22.7	2.5	16
ZZ17422		0.24	0.006	4.96	1.77	33.1	<0.2	<10	1190	0.36	0.26	0.19	0.56	21.6	5.2	27
ZZ17423		0.30	0.003	2.84	0.87	27.1	<0.2	<10	470	0.21	0.23	0.05	0.16	17.45	2.0	15
ZZ17424		0.26	<0.001	0.30	0.17	5.8	<0.2	<10	370	0.05	0.10	0.01	0.07	27.1	0.7	7
ZZ17425		0.22	0.005	3.31	1.13	37.7	<0.2	<10	1280	0.25	0.20	0.06	0.26	15.65	2.2	19
ZZ17426		0.26	0.007	1.92	1.01	26.6	<0.2	<10	1440	0.21	0.23	0.05	0.40	19.05	3.4	18
ZZ17427		0.26	0.003	1.47	0.75	22.4	<0.2	<10	230	0.13	0.32	0.03	0.17	21.5	2.8	16
ZZ17428		0.26	0.002	1.50	0.94	30.0	<0.2	<10	410	0.19	0.36	0.03	0.24	20.7	2.7	18
ZZ17429		0.18	0.002	1.32	0.25	7.5	<0.2	<10	270	0.07	0.20	0.01	0.16	14.05	1.3	9
ZZ17430		0.28	0.005	0.55	0.86	23.1	<0.2	<10	290	0.17	0.32	0.03	0.24	17.30	3.5	17
ZZ17431		0.24	0.002	0.54	0.50	22.4	<0.2	<10	250	0.11	0.29	0.02	0.18	19.40	2.2	12
ZZ17432		0.30	0.010	1.12	1.20	21.2	<0.2	<10	250	0.27	0.27	0.04	0.25	18.25	5.2	20
ZZ17433		0.20	0.004	1.01	0.55	15.5	<0.2	<10	300	0.11	0.40	0.02	0.17	18.55	2.5	14
ZZ17434		0.22	0.002	0.37	0.38	12.9	<0.2	<10	200	0.09	0.33	0.01	0.10	15.65	1.7	9
ZZ17435		0.34	0.005	0.91	0.85	13.5	<0.2	<10	160	0.12	0.35	0.02	0.08	16.85	2.6	19
ZZ17436		0.20	0.001	0.37	0.54	12.6	<0.2	<10	180	0.09	0.38	0.03	0.19	20.1	2.6	13
ZZ17437		0.28	0.005	0.42	1.10	17.5	<0.2	<10	160	0.21	0.34	0.04	0.19	19.00	4.2	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
ZZ17041		1.42	18.5	3.13	5.16	0.11	0.02	0.19	0.034	0.09	13.0	10.2	0.20	136	18.85
ZZ17042		1.15	19.2	3.54	4.67	0.10	0.02	0.17	0.026	0.06	13.3	7.8	0.12	87	14.75
ZZ17043		1.68	22.7	4.06	6.34	0.09	0.02	0.09	0.023	0.06	11.5	7.8	0.20	236	7.83
ZZ17044		1.41	9.7	1.59	6.89	0.10	<0.02	0.06	0.010	0.04	14.9	1.3	0.04	44	4.45
ZZ17045		1.03	20.4	2.98	3.33	0.10	<0.02	0.28	0.030	0.10	8.1	2.0	0.04	33	15.40
ZZ17046		0.97	28.5	1.88	2.32	0.10	0.04	0.25	0.019	0.07	14.4	5.9	0.11	112	6.02
ZZ17047		2.61	44.5	3.63	4.74	0.10	0.02	0.08	0.026	0.06	7.7	12.8	0.22	298	4.09
ZZ17048		3.79	86.2	3.17	4.72	0.10	<0.02	0.17	0.025	0.06	9.6	9.8	0.16	432	4.57
ZZ17049		1.19	31.4	3.68	4.39	0.11	<0.02	0.15	0.028	0.05	11.3	7.4	0.18	120	9.12
ZZ17050		1.11	20.3	2.90	5.97	0.12	<0.02	0.10	0.019	0.10	16.5	2.3	0.06	52	14.00
ZZ17051		1.30	29.0	1.61	3.90	0.08	<0.02	0.04	0.017	0.05	10.8	0.9	0.02	33	9.68
ZZ17052		3.02	46.4	3.49	4.22	0.09	0.02	0.12	0.025	0.06	7.0	16.3	0.25	182	5.19
ZZ17053		1.33	14.2	1.73	4.32	0.10	<0.02	0.04	0.015	0.07	14.2	1.8	0.05	42	8.21
ZZ17054		2.06	9.4	1.36	8.76	0.09	<0.02	0.08	0.006	0.05	11.7	1.3	0.04	40	7.29
ZZ17055		1.43	14.9	3.09	6.36	0.09	<0.02	0.16	0.027	0.05	10.9	9.8	0.21	141	7.54
ZZ17056		1.42	13.0	2.77	4.80	0.10	<0.02	0.07	0.026	0.08	13.5	1.9	0.07	49	19.20
ZZ17057		1.74	24.1	7.42	7.98	0.21	0.03	0.50	0.059	0.13	12.0	4.5	0.16	76	43.4
ZZ17058		1.01	18.4	3.05	4.76	0.09	<0.02	0.03	0.031	0.08	14.1	2.2	0.08	44	26.5
ZZ17059		0.81	12.5	1.32	3.72	0.07	<0.02	0.03	0.017	0.06	17.7	1.2	0.04	33	16.20
ZZ17060		0.92	18.9	2.62	4.46	0.10	0.02	0.19	0.037	0.09	15.7	5.9	0.13	49	18.80
ZZ17061		0.93	18.3	3.89	5.98	0.09	<0.02	0.09	0.030	0.07	11.8	5.7	0.17	105	12.95
ZZ17062		0.75	23.5	1.36	2.91	0.06	<0.02	0.04	0.017	0.04	10.2	0.8	0.02	1220	11.90
ZZ17063		1.01	26.4	2.82	3.32	0.10	0.02	0.20	0.040	0.07	12.2	3.4	0.09	42	20.4
ZZ17064		1.64	25.4	3.82	5.37	0.12	<0.02	0.19	0.048	0.08	12.5	3.3	0.10	81	21.5
ZZ17422		1.47	37.5	3.35	4.83	0.09	0.04	0.38	0.040	0.07	11.8	14.7	0.26	194	12.55
ZZ17423		1.16	22.1	2.56	3.90	0.08	0.02	0.16	0.026	0.06	9.6	5.3	0.07	68	14.10
ZZ17424		0.76	9.2	0.51	1.52	0.05	<0.02	0.02	<0.005	0.03	15.3	0.6	0.01	15	6.56
ZZ17425		1.18	30.8	2.94	2.75	0.09	0.07	0.33	0.045	0.06	9.0	6.1	0.12	58	17.45
ZZ17426		1.09	49.8	3.41	3.07	0.10	0.02	0.30	0.034	0.06	10.8	8.8	0.20	83	12.30
ZZ17427		1.03	15.2	2.59	6.04	0.07	<0.02	0.06	0.019	0.05	11.8	3.9	0.12	98	8.49
ZZ17428		1.30	22.7	3.07	5.54	0.08	<0.02	0.08	0.023	0.07	11.6	3.3	0.09	104	14.65
ZZ17429		0.87	26.5	1.02	1.87	<0.05	<0.02	0.02	0.012	0.03	7.9	0.5	0.01	40	3.94
ZZ17430		1.12	23.3	2.86	4.73	0.07	<0.02	0.06	0.028	0.05	9.0	6.4	0.12	183	4.89
ZZ17431		0.92	21.3	2.30	4.15	0.07	<0.02	0.04	0.019	0.05	10.7	2.5	0.06	82	8.92
ZZ17432		1.09	29.6	3.19	4.01	0.08	<0.02	0.13	0.033	0.06	9.8	12.2	0.21	164	6.53
ZZ17433		1.53	19.1	2.59	5.25	0.07	<0.02	0.05	0.022	0.05	9.4	1.3	0.04	134	3.35
ZZ17434		1.66	14.9	1.59	3.70	0.05	<0.02	0.02	0.013	0.04	7.8	0.9	0.03	66	2.12
ZZ17435		1.40	15.1	3.64	5.55	0.07	<0.02	0.09	0.023	0.03	8.0	3.2	0.08	140	2.10
ZZ17436		1.34	17.1	2.09	6.20	0.06	<0.02	0.02	0.014	0.04	10.6	1.5	0.04	88	2.55
ZZ17437		1.57	22.0	3.62	6.44	0.08	<0.02	0.05	0.027	0.05	9.8	6.1	0.16	230	3.14



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	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	0.2
ZZ17041		1.25	11.5	1330	19.4	14.4	<0.001	0.14	11.85	2.1	8.6	0.6	46.0	<0.01	0.12	2.8
ZZ17042		0.91	9.2	1970	17.6	10.2	0.001	0.10	11.45	1.4	5.8	0.5	41.5	<0.01	0.09	1.6
ZZ17043		1.59	14.9	2120	17.3	14.4	0.001	0.06	3.90	2.0	2.0	0.7	29.7	<0.01	0.10	3.5
ZZ17044		1.19	6.7	750	12.9	9.9	0.001	0.03	1.64	1.0	0.6	1.0	19.4	<0.01	0.07	1.3
ZZ17045		0.50	5.9	5270	16.2	10.1	0.004	0.29	4.86	1.3	6.4	0.4	238	<0.01	0.11	1.0
ZZ17046		0.45	7.1	970	13.5	7.4	0.001	0.15	4.64	1.3	3.4	0.3	90.2	<0.01	0.12	1.8
ZZ17047		0.34	19.5	1480	19.9	12.9	0.001	0.10	1.62	0.5	0.9	0.5	28.2	<0.01	0.07	0.3
ZZ17048		0.36	18.3	970	21.9	14.6	0.001	0.07	3.32	0.7	4.0	0.5	25.9	<0.01	0.12	0.2
ZZ17049		0.73	16.2	3150	13.1	8.5	0.001	0.07	6.17	1.7	3.8	0.4	57.6	<0.01	0.09	1.5
ZZ17050		0.46	8.9	3710	22.2	11.0	0.001	0.18	6.29	1.1	7.4	0.7	83.9	<0.01	0.14	0.6
ZZ17051		0.13	7.7	1580	18.0	7.7	<0.001	0.06	3.36	0.1	1.1	0.8	43.6	<0.01	0.10	<0.2
ZZ17052		0.42	21.4	1720	21.8	12.2	<0.001	0.11	1.94	0.9	1.5	0.4	34.0	<0.01	0.08	0.6
ZZ17053		0.45	5.4	1310	17.8	11.6	0.001	0.12	4.21	0.6	3.9	0.4	82.8	<0.01	0.10	0.3
ZZ17054		0.82	6.1	900	16.8	8.3	0.001	0.04	4.02	0.8	2.7	1.0	23.0	<0.01	0.05	0.4
ZZ17055		1.65	12.4	1070	16.6	8.8	0.002	0.05	5.74	1.9	3.2	0.7	29.2	0.01	0.08	1.8
ZZ17056		0.67	6.0	2090	24.7	13.4	0.001	0.13	16.35	0.9	7.5	0.6	68.5	<0.01	0.11	0.8
ZZ17057		1.67	12.3	4130	53.3	14.7	0.002	0.26	75.8	1.7	33.0	0.8	121.0	<0.01	0.25	3.6
ZZ17058		0.70	9.8	990	31.2	9.5	<0.001	0.12	20.1	1.3	8.2	0.6	51.9	<0.01	0.15	2.5
ZZ17059		0.32	9.0	540	19.3	8.9	0.001	0.07	13.90	0.7	4.1	0.6	36.6	<0.01	0.07	0.3
ZZ17060		0.42	13.7	2760	21.4	10.0	0.001	0.17	20.0	1.2	9.8	0.6	151.5	<0.01	0.13	0.6
ZZ17061		0.60	12.8	1980	17.5	10.9	<0.001	0.08	9.99	1.2	5.1	0.6	41.0	<0.01	0.10	0.4
ZZ17062		0.10	8.0	820	16.5	6.2	0.001	0.07	7.67	0.4	4.8	0.5	51.8	<0.01	0.08	<0.2
ZZ17063		0.23	11.3	1540	17.7	8.3	0.003	0.14	22.8	0.7	12.4	0.4	81.0	<0.01	0.13	0.3
ZZ17064		0.66	11.4	2740	24.1	11.7	0.001	0.11	24.8	1.4	11.9	0.5	70.9	<0.01	0.15	1.1
ZZ17422		0.95	20.8	3110	14.5	11.6	0.001	0.10	8.03	2.3	6.4	0.5	80.2	<0.01	0.11	1.8
ZZ17423		0.75	8.0	1810	14.5	9.0	0.001	0.12	7.46	1.5	6.7	0.4	50.1	<0.01	0.10	2.1
ZZ17424		0.12	3.2	210	4.1	4.4	0.001	0.02	2.88	0.5	1.3	0.5	11.3	<0.01	0.04	0.2
ZZ17425		0.50	14.0	2660	12.9	8.2	0.003	0.15	14.50	1.2	8.7	0.3	79.8	<0.01	0.12	1.0
ZZ17426		0.56	18.9	1180	14.1	8.1	0.003	0.14	13.80	1.9	9.0	0.3	67.9	<0.01	0.12	1.1
ZZ17427		0.44	9.4	770	14.7	8.5	<0.001	0.04	5.13	0.9	2.4	0.7	18.6	<0.01	0.08	0.2
ZZ17428		0.95	9.8	1440	20.4	12.0	<0.001	0.08	7.50	1.7	4.3	0.6	37.3	<0.01	0.12	1.6
ZZ17429		0.08	5.4	660	10.5	4.0	<0.001	0.02	1.75	0.4	0.9	0.4	19.9	<0.01	0.10	<0.2
ZZ17430		0.76	10.2	1150	13.2	10.2	<0.001	0.04	2.93	1.4	2.3	0.5	23.9	<0.01	0.20	0.6
ZZ17431		0.77	8.0	660	15.6	8.6	<0.001	0.07	6.08	1.3	3.8	0.5	35.3	<0.01	0.12	1.4
ZZ17432		0.71	15.6	640	15.0	9.9	0.001	0.08	4.66	1.5	4.0	0.4	30.9	<0.01	0.13	0.6
ZZ17433		0.65	7.9	800	13.4	10.0	<0.001	0.04	1.59	1.0	1.4	0.7	17.5	<0.01	0.12	0.3
ZZ17434		0.60	5.6	300	9.3	10.1	<0.001	0.02	1.03	0.9	1.0	0.5	7.0	<0.01	0.08	0.6
ZZ17435		0.90	7.1	440	13.0	8.1	<0.001	0.03	1.48	1.1	1.6	0.5	10.7	<0.01	0.09	0.6
ZZ17436		0.79	9.6	390	12.4	9.5	<0.001	0.02	1.23	1.0	0.9	0.9	11.3	<0.01	0.08	0.3
ZZ17437		0.88	11.5	660	14.9	12.2	<0.001	0.04	1.58	1.2	1.6	0.7	12.0	<0.01	0.09	0.3



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CERTIFICATE OF ANALYSIS WH11145419

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
ZZ17041		0.028	0.69	1.31	93	0.28	2.93	60	0.7
ZZ17042		0.018	0.50	1.28	91	0.20	2.40	49	0.6
ZZ17043		0.039	0.25	0.91	78	0.30	2.42	74	1.1
ZZ17044		0.037	0.25	0.60	72	0.30	2.00	31	<0.5
ZZ17045		0.013	0.48	2.90	75	0.18	4.23	26	0.7
ZZ17046		0.015	0.23	1.23	32	0.12	3.22	32	1.0
ZZ17047		0.010	0.15	1.52	38	0.13	3.16	73	<0.5
ZZ17048		0.012	0.26	1.25	42	0.15	4.27	67	<0.5
ZZ17049		0.024	0.30	1.80	75	0.19	3.79	76	<0.5
ZZ17050		0.027	0.36	1.47	107	0.20	3.14	48	<0.5
ZZ17051		<0.005	0.22	1.66	60	0.11	1.41	41	<0.5
ZZ17052		0.008	0.17	1.53	33	0.12	2.92	72	0.6
ZZ17053		0.019	0.31	0.73	49	0.18	2.11	30	<0.5
ZZ17054		0.034	0.32	0.93	124	0.30	1.97	39	<0.5
ZZ17055		0.034	0.32	0.90	96	0.32	2.61	53	<0.5
ZZ17056		0.018	0.86	0.95	140	0.21	2.22	45	<0.5
ZZ17057		0.032	1.79	1.34	197	0.36	3.16	80	1.1
ZZ17058		0.022	0.78	0.80	124	0.17	2.28	89	<0.5
ZZ17059		0.020	0.61	1.34	111	0.16	2.75	61	<0.5
ZZ17060		0.012	0.59	2.72	213	0.13	3.85	82	<0.5
ZZ17061		0.025	0.36	1.14	135	0.22	2.68	79	<0.5
ZZ17062		0.005	0.26	1.05	113	0.10	1.68	66	<0.5
ZZ17063		0.010	0.51	1.69	128	0.10	2.74	92	<0.5
ZZ17064		0.019	0.63	1.51	181	0.19	2.73	88	<0.5
ZZ17422		0.025	0.33	2.46	120	0.27	5.64	118	0.9
ZZ17423		0.024	0.43	1.19	80	0.20	2.42	43	0.5
ZZ17424		0.010	0.12	0.52	65	0.09	1.43	26	<0.5
ZZ17425		0.012	0.57	2.18	99	0.15	3.37	75	2.0
ZZ17426		0.019	0.38	1.83	60	0.16	4.28	88	<0.5
ZZ17427		0.025	0.25	0.64	102	0.25	1.95	49	<0.5
ZZ17428		0.024	0.41	0.93	104	0.25	2.16	59	<0.5
ZZ17429		0.006	0.07	0.48	41	0.10	1.11	27	<0.5
ZZ17430		0.024	0.16	0.70	63	0.22	1.87	55	<0.5
ZZ17431		0.026	0.33	0.57	72	0.20	1.70	51	<0.5
ZZ17432		0.024	0.26	1.04	48	0.27	2.46	79	<0.5
ZZ17433		0.031	0.12	0.50	56	0.20	1.40	49	<0.5
ZZ17434		0.026	0.09	0.35	41	0.14	1.23	30	<0.5
ZZ17435		0.037	0.10	0.72	39	0.19	1.81	31	<0.5
ZZ17436		0.041	0.11	0.39	69	0.28	1.50	41	<0.5
ZZ17437		0.040	0.14	0.69	58	0.27	2.15	58	<0.5



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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
ZZ17438		0.20	0.007	0.32	0.93	17.5	<0.2	<10	340	0.22	0.20	0.05	0.23	18.50	5.9	18
ZZ17439		0.32	0.001	0.33	0.34	9.6	<0.2	<10	230	0.09	0.28	0.01	0.18	19.50	2.4	11
ZZ17440		0.18	0.006	0.66	0.16	6.4	<0.2	<10	540	0.05	0.14	0.02	0.04	9.45	0.2	3
ZZ17441		0.28	0.002	0.63	0.35	12.8	<0.2	<10	370	0.11	0.33	0.02	0.11	20.8	1.6	9
ZZ17442		0.32	0.001	0.79	0.49	19.4	<0.2	<10	290	0.11	0.30	0.03	0.07	18.90	1.7	12
ZZ17443		0.30	0.002	1.31	0.47	15.4	<0.2	<10	450	0.11	0.29	0.02	0.08	20.2	1.3	10
ZZ17444		0.26	0.003	2.04	1.16	21.0	<0.2	<10	430	0.24	0.30	0.07	0.22	21.4	3.4	23
ZZ17445		0.32	0.003	3.49	0.83	25.9	<0.2	<10	1500	0.23	0.30	0.05	0.24	19.30	2.0	19
ZZ17446		0.30	0.002	5.52	0.65	31.7	<0.2	<10	390	0.14	0.28	0.03	0.18	21.4	2.0	15
ZZ17447		0.22	<0.001	0.31	0.19	6.9	<0.2	<10	240	0.08	0.11	0.01	0.08	16.20	0.5	5
ZZ17448		0.28	<0.001	2.20	0.24	16.5	<0.2	<10	500	0.08	0.22	0.01	2.09	20.7	1.0	6
ZZ17449		0.28	0.001	1.92	0.45	47.1	<0.2	<10	720	0.12	0.29	0.02	0.63	21.1	2.1	12
ZZ17450		0.20	0.004	2.46	0.75	26.8	<0.2	<10	1200	0.13	0.25	0.03	0.73	17.70	2.1	16
ZZ17451		0.26	<0.001	0.55	0.57	18.5	<0.2	<10	160	0.07	0.33	0.02	0.08	24.6	1.6	11
ZZ17452		0.16	0.005	3.43	0.98	38.5	<0.2	<10	1660	0.17	0.28	0.05	0.64	18.70	2.2	17
ZZ17453		0.30	0.003	1.40	1.17	28.1	<0.2	<10	600	0.30	0.28	0.07	0.36	21.9	3.8	19
ZZ17454		0.22	0.002	3.93	0.91	33.6	<0.2	<10	230	0.13	0.38	0.03	0.12	22.5	2.4	18
ZZ17455		0.32	0.002	2.30	0.53	52.8	<0.2	<10	1800	0.14	0.25	0.02	0.30	20.4	2.1	13
ZZ17456		0.22	<0.001	3.51	0.28	18.2	<0.2	<10	490	0.10	0.23	0.01	0.63	20.7	1.2	9
ZZ17457		0.22	0.008	3.20	0.91	42.0	<0.2	<10	490	0.22	0.29	0.04	0.29	20.8	2.1	17
ZZ17458		0.20	0.003	2.67	0.82	47.5	<0.2	<10	1010	0.19	0.27	0.09	0.42	21.0	3.1	18
ZZ17459		0.18	0.003	4.02	1.21	30.1	<0.2	<10	900	0.28	0.24	0.09	0.61	21.7	3.1	21
ZZ17460		0.24	0.001	4.25	0.98	29.8	<0.2	<10	340	0.16	0.34	0.04	0.30	26.1	2.7	18
ZZ17461		0.26	0.001	1.99	0.34	17.6	<0.2	<10	360	0.09	0.28	0.02	0.15	30.4	1.4	8
ZZ17462		0.20	0.001	1.29	0.25	5.3	<0.2	<10	200	0.05	0.15	0.01	0.04	22.6	0.7	5
ZZ17463		0.24	0.007	3.83	0.73	21.5	<0.2	<10	630	0.17	0.24	0.08	0.13	21.5	1.8	17
ZZ17464		0.26	0.002	2.51	0.21	4.3	<0.2	<10	2230	0.08	0.17	0.02	0.06	19.05	0.5	16
ZZ17465		0.18	0.008	1.84	1.49	18.6	<0.2	<10	440	0.28	0.24	0.10	0.21	23.2	4.0	29
ZZ17466		0.26	0.007	2.42	0.65	20.7	<0.2	<10	2180	0.22	0.19	0.09	0.23	15.60	2.7	16
ZZ17467		0.20	0.006	3.86	0.91	60.7	<0.2	<10	1780	0.41	0.18	0.35	0.36	14.80	0.9	34
ZZ17468		0.22	0.004	2.47	1.43	32.7	<0.2	<10	1860	0.32	0.20	0.13	0.42	17.20	5.5	29
ZZ17469		0.24	0.004	1.70	0.60	25.5	<0.2	<10	570	0.14	0.26	0.04	0.30	16.20	2.6	17
ZZ17470		0.28	0.002	0.80	0.70	26.1	<0.2	<10	360	0.17	0.25	0.04	0.21	19.50	2.7	16
ZZ17471		0.24	0.003	1.30	0.66	27.3	<0.2	<10	1440	0.20	0.21	0.07	0.21	17.25	2.5	15
ZZ17472		0.24	0.008	1.42	1.27	27.9	<0.2	<10	2300	0.33	0.22	0.10	0.46	18.10	3.9	24
ZZ17473		0.22	0.004	2.58	1.20	22.4	<0.2	<10	2530	0.31	0.25	0.08	0.34	19.80	3.6	22
ZZ17474		0.24	0.003	1.04	0.80	21.4	<0.2	<10	1570	0.21	0.27	0.09	0.35	21.6	3.1	18
ZZ17475		0.36	0.005	1.56	1.22	24.0	<0.2	<10	2780	0.31	0.19	0.19	0.94	20.1	8.2	21
ZZ17476		0.32	0.003	2.18	0.70	26.6	<0.2	<10	560	0.15	0.25	0.03	0.24	22.5	2.1	14
ZZ17477		0.26	0.004	4.60	1.05	35.2	<0.2	<10	440	0.23	0.21	0.04	0.36	18.05	2.5	20



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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
ZZ17438		0.93	35.7	2.43	3.05	0.07	0.02	0.05	0.023	0.04	9.6	14.2	0.24	246	2.40
ZZ17439		1.13	27.8	1.55	4.00	0.05	<0.02	0.02	0.014	0.04	10.6	1.0	0.02	143	3.10
ZZ17440		0.54	19.6	0.73	0.70	<0.05	<0.02	0.36	0.009	0.06	5.6	0.7	0.01	10	7.76
ZZ17441		1.18	22.8	1.47	4.01	0.05	<0.02	0.04	0.015	0.04	11.2	1.1	0.03	63	5.33
ZZ17442		1.00	12.7	2.08	5.20	0.06	<0.02	0.05	0.014	0.04	10.5	1.9	0.05	83	4.50
ZZ17443		1.19	16.9	1.55	3.74	0.06	<0.02	0.06	0.014	0.06	12.0	1.3	0.03	45	9.19
ZZ17444		1.14	22.1	3.06	5.72	0.07	<0.02	0.15	0.027	0.05	11.9	8.0	0.16	128	6.79
ZZ17445		1.40	31.7	2.66	4.59	0.07	<0.02	0.24	0.029	0.06	11.4	2.5	0.06	63	10.60
ZZ17446		1.09	17.0	2.57	4.47	0.10	<0.02	0.14	0.026	0.08	12.4	3.7	0.10	61	19.40
ZZ17447		0.81	7.2	0.48	1.72	<0.05	<0.02	0.01	0.006	0.04	9.2	0.6	0.01	11	8.37
ZZ17448		1.10	17.8	1.04	2.04	0.07	<0.02	0.03	0.024	0.06	11.7	0.7	0.01	16	17.15
ZZ17449		1.83	27.8	2.35	3.57	0.09	<0.02	0.14	0.043	0.09	11.8	2.8	0.09	44	28.2
ZZ17450		2.58	33.5	2.26	3.33	0.09	<0.02	0.48	0.040	0.07	9.8	4.4	0.13	48	17.60
ZZ17451		1.25	8.4	1.50	6.96	0.05	<0.02	0.15	0.011	0.04	13.1	1.8	0.05	65	4.82
ZZ17452		2.95	48.9	2.95	3.62	0.12	<0.02	0.47	0.046	0.07	10.4	5.7	0.15	46	28.4
ZZ17453		1.59	29.5	2.66	4.95	0.09	<0.02	0.22	0.042	0.06	12.1	10.9	0.18	127	12.55
ZZ17454		1.42	12.8	3.60	7.59	0.08	0.02	0.17	0.034	0.06	12.6	3.6	0.09	77	15.35
ZZ17455		1.76	30.0	2.92	3.38	0.12	<0.02	0.30	0.048	0.09	11.7	3.5	0.10	45	28.8
ZZ17456		1.40	24.1	1.21	2.63	0.07	<0.02	0.05	0.026	0.04	12.0	0.7	0.01	23	10.90
ZZ17457		1.22	15.7	3.42	5.29	0.09	<0.02	0.10	0.033	0.06	11.5	5.0	0.08	68	12.75
ZZ17458		1.14	22.1	3.54	4.36	0.10	0.02	0.07	0.037	0.08	12.1	5.9	0.19	115	11.55
ZZ17459		1.27	16.7	2.93	4.18	0.08	0.02	0.11	0.039	0.07	12.4	9.9	0.19	127	9.34
ZZ17460		1.35	14.5	3.19	6.94	0.08	<0.02	0.05	0.025	0.06	14.6	3.2	0.11	80	8.25
ZZ17461		1.14	12.6	1.11	3.73	0.06	<0.02	0.03	0.013	0.05	17.0	0.8	0.02	38	13.45
ZZ17462		0.82	4.7	0.52	2.15	<0.05	<0.02	0.03	0.009	0.05	13.1	0.6	0.01	15	7.19
ZZ17463		0.82	18.3	2.21	3.36	0.09	<0.02	0.23	0.028	0.09	13.2	4.2	0.07	41	9.95
ZZ17464		1.38	8.9	0.62	2.36	<0.05	<0.02	0.03	0.009	0.05	14.9	0.8	0.01	10	5.10
ZZ17465		1.67	21.1	3.34	5.18	0.09	0.03	0.25	0.041	0.06	13.3	9.5	0.21	165	8.12
ZZ17466		1.35	38.0	2.27	2.40	0.07	0.02	0.37	0.029	0.07	9.5	4.8	0.10	127	9.88
ZZ17467		1.06	38.7	4.02	4.02	0.11	0.03	0.47	0.042	0.08	11.4	2.8	0.05	29	20.8
ZZ17468		1.53	29.5	3.63	4.92	0.09	0.02	0.16	0.038	0.07	9.9	8.6	0.25	228	8.78
ZZ17469		1.26	21.8	2.48	4.65	0.06	<0.02	0.08	0.021	0.05	9.2	2.1	0.06	70	7.02
ZZ17470		1.05	25.5	2.79	4.29	0.08	<0.02	0.05	0.024	0.05	11.2	3.7	0.08	86	8.27
ZZ17471		1.00	36.0	2.43	3.07	0.07	<0.02	0.18	0.028	0.06	10.2	4.1	0.08	72	11.65
ZZ17472		1.27	25.3	3.55	4.49	0.08	<0.02	0.17	0.036	0.06	11.2	12.6	0.17	116	8.36
ZZ17473		1.06	23.3	3.24	5.17	0.08	<0.02	0.10	0.030	0.06	11.4	7.8	0.15	134	6.31
ZZ17474		1.56	22.1	2.55	5.64	0.07	<0.02	0.05	0.026	0.07	12.3	4.6	0.12	94	6.54
ZZ17475		2.11	57.3	3.71	3.53	0.10	<0.02	0.32	0.036	0.09	11.2	9.7	0.28	384	11.75
ZZ17476		1.06	24.1	2.41	4.03	0.08	<0.02	0.13	0.029	0.06	12.7	3.4	0.08	55	11.25
ZZ17477		1.31	23.9	3.67	3.88	0.09	0.04	0.17	0.043	0.06	9.8	6.3	0.14	81	14.85



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CERTIFICATE OF ANALYSIS WH11145419

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
ZZ17438		0.60	19.4	590	9.5	5.7	0.001	0.04	1.76	1.8	1.6	0.3	20.3	<0.01	0.08	1.3
ZZ17439		0.12	8.2	470	11.6	8.2	<0.001	0.03	1.43	0.4	0.9	0.6	24.0	<0.01	0.10	<0.2
ZZ17440		<0.05	1.2	740	12.6	5.4	0.002	0.09	1.90	0.6	1.9	0.2	63.9	<0.01	0.08	0.4
ZZ17441		0.19	5.8	620	16.7	8.0	<0.001	0.05	3.03	0.5	2.0	0.5	43.7	<0.01	0.13	<0.2
ZZ17442		0.38	6.1	1420	12.7	6.3	<0.001	0.05	1.88	0.7	1.5	0.6	41.3	<0.01	0.09	0.2
ZZ17443		0.28	5.2	1240	15.5	9.9	<0.001	0.11	2.23	0.8	2.8	0.5	82.7	<0.01	0.12	0.2
ZZ17444		0.55	12.2	1620	13.0	9.2	0.001	0.06	3.32	1.1	2.7	0.6	37.7	<0.01	0.10	0.3
ZZ17445		0.38	9.4	3690	15.9	10.3	0.001	0.11	4.09	1.1	4.6	0.6	66.5	<0.01	0.13	0.3
ZZ17446		0.33	8.4	2150	18.1	11.3	0.001	0.13	12.95	0.8	10.8	0.5	62.1	<0.01	0.10	0.3
ZZ17447		0.10	2.5	280	6.1	4.8	0.001	0.03	3.92	0.5	1.7	0.4	8.3	<0.01	0.04	0.2
ZZ17448		0.14	6.7	480	16.6	7.7	0.001	0.11	10.05	0.5	8.1	0.4	64.1	<0.01	0.10	<0.2
ZZ17449		0.32	13.5	940	19.1	13.2	0.002	0.19	25.2	0.9	8.3	0.4	102.0	<0.01	0.12	0.3
ZZ17450		0.37	14.2	1120	18.9	13.2	0.003	0.10	16.10	0.6	11.9	0.5	56.6	<0.01	0.11	<0.2
ZZ17451		1.44	4.9	450	12.6	6.9	<0.001	0.02	2.06	1.3	1.4	1.0	13.2	<0.01	0.04	1.3
ZZ17452		0.39	19.8	2040	22.9	15.0	0.002	0.12	17.55	0.7	15.4	0.5	71.1	<0.01	0.13	<0.2
ZZ17453		0.91	13.9	1210	16.8	13.0	0.001	0.07	10.60	1.3	5.7	0.6	42.1	<0.01	0.08	0.3
ZZ17454		2.19	8.1	870	20.3	11.2	<0.001	0.06	11.35	1.7	5.8	1.0	24.1	<0.01	0.10	2.5
ZZ17455		0.46	11.7	1250	19.6	10.6	0.006	0.22	25.3	1.6	15.4	0.4	93.8	<0.01	0.14	1.4
ZZ17456		0.23	6.4	440	17.4	6.9	0.001	0.05	6.56	0.5	5.6	0.6	36.1	<0.01	0.07	<0.2
ZZ17457		1.27	8.2	2610	17.4	11.7	<0.001	0.06	8.34	1.8	5.9	0.6	42.8	<0.01	0.09	1.9
ZZ17458		1.40	14.3	2430	16.6	12.2	0.001	0.09	13.05	1.8	7.3	0.5	64.3	<0.01	0.09	1.6
ZZ17459		1.34	12.9	1590	15.7	13.2	0.001	0.06	10.55	2.0	5.3	0.5	50.1	<0.01	0.07	2.9
ZZ17460		1.60	10.1	2200	18.8	11.2	<0.001	0.04	4.64	2.0	3.2	0.9	24.7	<0.01	0.06	2.7
ZZ17461		0.46	6.1	380	19.1	11.3	<0.001	0.03	8.99	0.7	4.2	0.8	14.2	<0.01	0.06	0.2
ZZ17462		0.32	2.7	150	10.9	7.4	0.001	0.05	2.60	0.6	1.7	0.5	6.1	<0.01	0.02	0.6
ZZ17463		0.52	7.5	3450	16.2	10.3	0.002	0.15	4.97	1.8	7.7	0.5	88.7	<0.01	0.12	0.8
ZZ17464		0.10	2.6	480	15.1	6.7	<0.001	0.12	2.77	0.4	1.3	0.6	58.3	<0.01	0.04	<0.2
ZZ17465		1.44	11.8	2020	13.6	11.6	0.001	0.05	5.38	1.8	4.3	0.7	39.1	0.01	0.12	1.0
ZZ17466		0.29	10.3	2690	13.5	8.5	0.002	0.17	5.97	1.1	4.9	0.4	111.0	<0.01	0.12	0.3
ZZ17467		0.23	7.5	>10000	14.3	9.1	0.004	0.16	11.60	1.0	7.8	0.5	307	<0.01	0.14	0.3
ZZ17468		0.71	18.8	5120	13.2	10.7	0.002	0.09	6.37	0.9	4.1	0.5	66.4	<0.01	0.09	0.2
ZZ17469		0.23	9.5	1940	14.6	11.2	<0.001	0.05	2.98	0.4	2.1	0.6	39.8	<0.01	0.09	<0.2
ZZ17470		0.69	10.5	1740	15.4	11.6	0.001	0.06	3.99	1.3	3.0	0.5	45.4	<0.01	0.09	0.5
ZZ17471		0.46	12.2	1980	14.0	8.5	0.003	0.09	6.86	1.0	4.5	0.4	77.3	<0.01	0.11	0.3
ZZ17472		0.75	17.2	2240	15.0	10.1	0.001	0.10	4.28	1.4	2.7	0.5	78.3	<0.01	0.10	0.6
ZZ17473		0.62	14.4	1930	14.7	10.3	<0.001	0.11	3.02	0.8	2.4	0.6	51.6	<0.01	0.10	<0.2
ZZ17474		0.34	12.5	2160	15.5	14.5	0.001	0.09	3.38	0.7	2.7	0.7	62.3	<0.01	0.08	<0.2
ZZ17475		0.18	26.7	2690	13.1	11.2	0.002	0.14	9.51	0.6	4.0	0.4	119.0	<0.01	0.08	<0.2
ZZ17476		0.63	9.8	1450	17.5	8.3	0.001	0.07	6.62	1.1	5.2	0.6	44.5	<0.01	0.08	0.6
ZZ17477		1.08	12.5	2990	15.1	11.5	0.001	0.08	13.85	1.8	7.0	0.5	46.6	<0.01	0.09	3.0



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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
ZZ17438		0.022	0.08	0.64	30	0.16	2.72	70	0.6
ZZ17439		0.009	0.10	0.40	43	0.18	1.60	40	<0.5
ZZ17440		<0.005	0.18	0.91	8	<0.05	1.40	7	<0.5
ZZ17441		0.010	0.21	0.53	59	0.16	1.76	35	<0.5
ZZ17442		0.014	0.19	0.48	61	0.21	1.57	31	<0.5
ZZ17443		0.014	0.33	0.62	49	0.15	1.63	29	<0.5
ZZ17444		0.022	0.19	1.20	89	0.25	2.66	53	0.5
ZZ17445		0.018	0.30	2.21	79	0.21	3.14	47	<0.5
ZZ17446		0.015	0.62	0.94	96	0.19	2.24	50	<0.5
ZZ17447		0.007	0.20	0.41	53	0.08	1.20	17	<0.5
ZZ17448		0.006	0.49	0.84	74	0.09	1.90	50	<0.5
ZZ17449		0.016	1.50	1.74	115	0.17	3.33	136	<0.5
ZZ17450		0.009	1.12	2.18	76	0.21	2.93	57	<0.5
ZZ17451		0.045	0.24	0.52	111	0.30	1.75	28	<0.5
ZZ17452		0.009	1.16	2.68	91	0.29	4.35	67	<0.5
ZZ17453		0.021	0.45	1.84	95	0.31	3.66	71	<0.5
ZZ17454		0.062	0.41	0.93	171	0.35	2.25	44	0.9
ZZ17455		0.016	0.94	2.10	112	0.26	2.88	90	<0.5
ZZ17456		0.013	0.19	1.24	77	0.16	2.06	47	<0.5
ZZ17457		0.023	0.39	1.25	168	0.28	2.19	52	<0.5
ZZ17458		0.032	0.39	1.65	150	0.22	3.52	90	0.5
ZZ17459		0.027	0.35	1.63	112	0.24	3.45	82	0.9
ZZ17460		0.042	0.36	0.98	153	0.29	2.44	61	0.5
ZZ17461		0.021	0.24	0.78	103	0.19	1.93	33	<0.5
ZZ17462		0.010	0.28	0.38	63	0.10	1.23	12	<0.5
ZZ17463		0.012	0.26	1.69	66	0.17	3.34	28	<0.5
ZZ17464		0.009	0.17	0.52	56	0.07	1.21	14	<0.5
ZZ17465		0.024	0.21	1.12	64	0.32	4.00	51	0.7
ZZ17466		0.011	0.29	2.13	50	0.15	4.26	47	<0.5
ZZ17467		0.009	0.47	3.99	122	0.20	9.51	35	0.6
ZZ17468		0.017	0.26	2.36	74	0.25	5.53	95	<0.5
ZZ17469		0.007	0.21	0.86	67	0.21	2.32	55	<0.5
ZZ17470		0.020	0.25	0.87	85	0.21	2.59	61	<0.5
ZZ17471		0.013	0.32	1.61	83	0.17	3.50	66	<0.5
ZZ17472		0.013	0.27	1.37	75	0.19	3.27	123	<0.5
ZZ17473		0.015	0.19	0.94	81	0.23	3.20	101	<0.5
ZZ17474		0.015	0.25	0.97	65	0.25	3.23	77	<0.5
ZZ17475		0.011	0.45	2.40	61	0.19	6.65	162	<0.5
ZZ17476		0.020	0.35	1.36	102	0.18	2.59	61	<0.5
ZZ17477		0.019	0.45	1.47	108	0.20	2.67	90	1.7



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CERTIFICATE OF ANALYSIS WH11145419

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
ZZ17478		0.28	0.004	3.84	0.86	39.8	<0.2	<10	2720	0.27	0.23	0.05	1.11	19.45	3.9	14
ZZ17479		0.38	0.001	1.35	0.40	38.5	<0.2	<10	620	0.09	0.26	0.02	0.26	25.6	1.2	10
ZZ17480		0.32	0.001	1.16	0.25	17.7	<0.2	<10	450	0.13	0.20	0.01	0.18	23.2	0.5	8
ZZ17481		0.20	0.008	1.43	0.88	22.8	<0.2	<10	2660	0.28	0.19	0.14	1.11	16.75	7.4	16
ZZ17482		0.24	0.006	1.84	1.15	39.0	<0.2	<10	1540	0.27	0.26	0.06	0.25	22.8	3.6	22
ZZ17483		0.26	0.003	2.67	1.16	24.2	<0.2	<10	290	0.18	0.29	0.05	0.17	20.7	3.4	23
ZZ17484		0.24	0.003	0.95	0.56	17.8	<0.2	<10	620	0.15	0.27	0.03	0.18	14.80	2.7	13
ZZ17485		0.24	0.003	2.59	0.74	35.5	<0.2	<10	2100	0.18	0.27	0.09	2.61	15.15	3.2	14



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ17478		1.79	30.3	2.71	3.31	0.10	<0.02	0.29	0.042	0.07	11.3	5.8	0.14	309	22.0
ZZ17479		1.16	20.0	2.38	3.37	0.09	<0.02	0.05	0.031	0.10	13.8	1.0	0.02	27	16.95
ZZ17480		0.95	14.3	1.21	1.74	0.06	<0.02	0.08	0.014	0.08	12.6	1.2	0.02	13	10.80
ZZ17481		1.73	65.9	2.76	2.75	0.08	0.02	0.19	0.027	0.05	9.3	8.4	0.15	319	10.05
ZZ17482		1.69	46.5	3.86	3.87	0.12	0.03	0.32	0.042	0.13	12.7	9.3	0.23	106	18.55
ZZ17483		1.31	21.1	3.56	6.30	0.08	<0.02	0.07	0.031	0.05	11.2	7.7	0.16	147	7.29
ZZ17484		0.93	44.7	2.39	3.90	0.07	<0.02	0.05	0.020	0.04	8.0	2.4	0.05	657	5.75
ZZ17485		2.60	54.8	2.59	3.10	0.08	<0.02	0.23	0.036	0.07	8.5	2.5	0.06	101	18.55



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CERTIFICATE OF ANALYSIS WH11145419

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	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	0.2
ZZ17478		0.48	20.4	1250	16.9	13.0	0.002	0.14	20.0	1.1	10.2	0.6	91.1	<0.01	0.10	0.3
ZZ17479		0.32	6.0	820	22.6	10.5	0.001	0.18	10.55	0.7	8.0	0.6	103.5	<0.01	0.10	0.4
ZZ17480		0.17	4.3	430	14.4	7.6	0.003	0.07	5.85	0.7	5.0	0.4	42.9	<0.01	0.06	0.6
ZZ17481		0.29	26.3	1800	13.1	7.1	0.003	0.13	5.54	0.9	4.4	0.4	130.0	<0.01	0.10	0.2
ZZ17482		0.79	18.1	1210	20.5	13.0	0.002	0.25	13.20	2.6	12.2	0.5	91.2	<0.01	0.13	3.1
ZZ17483		1.60	10.9	2760	16.1	11.9	<0.001	0.03	3.10	2.0	2.2	0.8	23.6	<0.01	0.07	1.9
ZZ17484		0.27	10.4	1060	14.6	7.4	<0.001	0.05	3.12	0.5	2.6	0.7	31.7	<0.01	0.09	<0.2
ZZ17485		0.20	28.9	2410	20.2	14.7	0.001	0.15	13.55	0.4	8.3	0.5	93.0	<0.01	0.12	<0.2



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CERTIFICATE OF ANALYSIS WH11145419

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
ZZ17478		0.010	0.67	2.56	133	0.15	3.63	148	<0.5
ZZ17479		0.011	0.83	0.82	113	0.11	2.05	60	<0.5
ZZ17480		0.009	0.30	0.81	62	0.05	1.60	44	<0.5
ZZ17481		0.009	0.28	2.12	55	0.15	8.18	103	<0.5
ZZ17482		0.023	0.82	2.09	102	0.19	3.78	108	1.1
ZZ17483		0.030	0.23	0.84	90	0.33	2.44	63	<0.5
ZZ17484		0.010	0.19	0.68	70	0.16	1.87	60	<0.5
ZZ17485		0.006	0.94	2.18	92	0.18	4.13	125	<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).



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CERTIFICATE WH11151068

Project: New Dimension - Lorne

P.O. No.:

This report is for 89 Soil samples submitted to our lab in Whitehorse, YT, Canada on 4- 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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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 WH11151068

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
ZZ17167		0.40	0.001	0.15	1.18	33.3	<0.2	<10	120	0.83	0.81	0.06	0.16	26.7	9.3	18
ZZ17168		0.40	0.001	0.10	1.63	14.1	<0.2	<10	80	0.71	0.37	0.02	0.13	20.3	13.8	26
ZZ17169		0.40	0.006	0.14	1.28	5.9	<0.2	<10	160	0.17	0.52	0.02	0.09	5.77	11.9	36
ZZ17170		0.40	0.004	0.12	1.67	10.4	<0.2	<10	390	0.21	0.45	0.04	0.13	13.90	14.2	40
ZZ17171		0.38	0.005	0.07	1.15	4.6	<0.2	<10	1010	0.12	0.33	0.02	0.08	36.3	19.9	22
ZZ17172		0.42	0.004	0.22	1.19	14.7	<0.2	<10	810	0.21	0.41	0.04	0.15	23.5	21.2	24
ZZ17173		0.34	0.003	0.23	1.41	13.9	<0.2	<10	580	0.25	0.38	0.04	0.13	18.85	7.4	23
ZZ17174		0.36	0.004	0.34	1.05	21.0	<0.2	<10	1420	0.20	0.37	0.03	0.19	17.30	12.2	21
ZZ17175		0.34	0.010	1.91	1.25	20.6	<0.2	<10	570	0.29	0.31	0.04	0.30	13.95	6.8	26
ZZ17176		0.32	0.004	0.31	1.02	12.8	<0.2	<10	150	0.16	0.36	0.04	0.14	17.05	4.3	25
ZZ17177		0.30	0.004	0.31	0.55	11.5	<0.2	<10	140	0.09	0.39	0.02	0.09	11.50	2.6	15
ZZ17178		0.40	0.008	0.56	0.89	12.8	<0.2	<10	210	0.21	0.29	0.03	0.11	15.25	6.9	20
ZZ17179		0.32	0.004	0.73	0.65	16.4	<0.2	<10	260	0.10	0.37	0.02	0.13	16.55	4.6	19
ZZ17180		0.36	0.005	0.39	1.17	14.1	<0.2	<10	280	0.28	0.30	0.04	0.18	15.80	5.0	23
ZZ17181		0.30	0.008	1.17	1.12	11.8	<0.2	<10	140	0.22	0.32	0.05	0.22	15.15	5.2	21
ZZ17182		0.26	0.004	0.26	1.27	11.7	<0.2	<10	220	0.26	0.31	0.03	0.15	19.70	6.7	22
ZZ17183		0.42	0.005	0.15	1.39	15.9	<0.2	<10	1310	0.35	0.39	0.05	0.27	25.9	20.5	24
ZZ17184		0.34	0.003	0.17	1.63	11.5	<0.2	<10	210	0.26	0.62	0.02	0.24	7.81	15.1	44
ZZ17185		0.34	0.001	0.61	1.32	21.1	<0.2	<10	220	0.45	0.39	0.02	0.21	10.90	5.3	28
ZZ17186		0.30	0.001	0.31	0.75	47.0	<0.2	<10	230	0.70	0.86	0.03	0.30	18.60	6.4	12
ZZ17187		0.32	0.005	0.31	1.29	19.1	<0.2	<10	400	0.28	0.39	0.03	0.19	11.85	11.3	28
ZZ17188		0.38	0.008	0.94	0.73	25.8	<0.2	<10	390	0.21	0.35	0.03	0.13	17.15	4.5	17
ZZ17189		0.36	0.011	0.35	1.42	16.0	<0.2	<10	270	0.38	0.27	0.09	0.29	21.5	10.5	24
ZZ17190		0.34	0.005	0.44	1.22	16.1	<0.2	<10	210	0.33	0.31	0.03	0.25	13.95	6.6	24
ZZ16727		0.34	0.003	0.57	1.02	23.0	<0.2	<10	380	0.24	0.32	0.03	0.21	18.05	4.6	19
ZZ16728		0.26	0.001	0.40	0.96	16.5	<0.2	<10	240	0.15	0.41	0.03	0.19	20.2	4.5	19
ZZ16729		0.38	0.007	0.75	1.28	16.5	<0.2	<10	310	0.27	0.26	0.04	0.23	16.90	5.5	22
ZZ16730		0.30	0.002	0.41	1.33	12.7	<0.2	<10	170	0.27	0.31	0.05	0.17	21.5	4.6	26
ZZ16731		0.38	0.003	1.61	1.12	17.6	<0.2	<10	170	0.26	0.30	0.03	0.20	16.30	4.1	21
ZZ16732		0.30	0.004	0.46	1.32	17.8	<0.2	<10	190	0.34	0.29	0.06	0.19	21.2	5.8	25
ZZ16733		0.40	0.013	3.25	1.20	29.8	<0.2	<10	160	0.30	0.29	0.03	0.16	12.05	4.8	21
ZZ16734		0.36	0.006	0.86	0.95	15.8	<0.2	<10	230	0.18	0.28	0.03	0.16	13.25	4.7	21
ZZ16735		0.30	0.003	1.03	0.90	14.7	<0.2	<10	370	0.13	0.36	0.03	0.16	17.45	3.8	19
ZZ16736		0.40	0.004	0.30	0.48	16.9	<0.2	<10	130	0.09	0.33	0.03	0.16	13.75	3.5	13
ZZ16737		0.38	0.001	0.40	0.28	16.4	<0.2	<10	300	0.06	0.21	0.01	0.09	15.20	1.2	9
ZZ16738		0.30	0.003	1.12	1.33	14.0	<0.2	<10	240	0.23	0.33	0.04	0.16	16.30	4.8	24
ZZ16739		0.30	0.002	0.45	1.13	13.7	<0.2	<10	1030	0.14	0.35	0.04	0.19	18.35	4.1	22
ZZ16740		0.24	0.002	1.16	0.63	13.0	<0.2	<10	190	0.12	0.23	0.02	0.11	12.55	2.4	16
ZZ16741		0.30	0.002	0.25	0.45	24.3	<0.2	<10	270	0.08	0.39	0.02	0.10	16.60	2.3	12
ZZ16742		0.30	0.005	0.48	0.48	5.4	<0.2	<10	190	0.08	0.26	0.04	0.14	21.4	1.3	13



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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
ZZ17167		6.89	30.4	3.60	3.33	0.08	0.02	0.21	0.029	0.06	11.9	17.9	0.21	233	2.84
ZZ17168		4.92	40.6	5.07	4.21	0.10	0.03	0.04	0.031	0.05	6.8	34.9	0.51	369	2.95
ZZ17169		6.10	106.0	3.46	5.08	0.06	0.02	0.04	0.030	0.04	2.2	22.9	0.37	1080	2.22
ZZ17170		4.91	183.5	4.47	6.11	0.08	<0.02	0.03	0.030	0.04	6.1	29.5	0.39	987	4.11
ZZ17171		1.76	67.4	3.02	3.45	0.08	0.04	0.04	0.019	0.03	11.9	25.3	0.47	2660	1.90
ZZ17172		3.16	119.5	3.37	3.90	0.05	<0.02	0.05	0.029	0.04	10.2	15.6	0.30	1760	3.90
ZZ17173		2.63	58.7	3.36	5.19	<0.05	<0.02	0.03	0.027	0.04	9.3	13.5	0.21	465	2.65
ZZ17174		2.02	78.1	3.18	4.45	<0.05	<0.02	0.03	0.028	0.04	8.0	11.6	0.19	1170	2.52
ZZ17175		2.07	70.7	3.82	3.92	<0.05	<0.02	0.14	0.041	0.05	7.5	15.1	0.22	331	3.12
ZZ17176		1.85	35.1	3.40	5.94	<0.05	<0.02	0.02	0.024	0.04	8.3	6.8	0.17	237	2.02
ZZ17177		1.55	37.0	2.90	4.96	<0.05	<0.02	0.02	0.020	0.03	6.1	1.2	0.03	195	1.84
ZZ17178		2.56	79.1	3.39	2.94	0.05	<0.02	0.03	0.028	0.03	7.4	12.2	0.24	314	2.09
ZZ17179		1.50	46.6	4.55	5.73	<0.05	<0.02	0.03	0.022	0.03	8.3	4.0	0.08	178	2.22
ZZ17180		2.27	53.0	3.26	4.52	<0.05	<0.02	0.02	0.026	0.04	8.3	9.4	0.18	234	2.14
ZZ17181		2.50	47.3	3.33	4.96	<0.05	<0.02	0.08	0.025	0.04	7.7	13.3	0.16	207	2.18
ZZ17182		3.24	68.8	3.40	4.63	<0.05	<0.02	0.02	0.023	0.05	9.7	17.2	0.28	230	2.26
ZZ17183		2.44	157.0	3.21	4.45	<0.05	<0.02	0.02	0.027	0.05	11.2	18.9	0.31	1620	3.51
ZZ17184		3.11	122.5	4.22	5.35	<0.05	0.03	0.02	0.041	0.04	3.4	31.1	0.49	1780	4.53
ZZ17185		2.73	69.5	4.69	4.45	<0.05	0.05	0.12	0.039	0.06	4.3	17.6	0.35	300	7.15
ZZ17186		3.07	20.3	2.41	3.37	<0.05	<0.02	0.05	0.020	0.06	9.2	4.2	0.07	376	2.25
ZZ17187		2.29	107.5	3.61	4.90	<0.05	<0.02	0.02	0.030	0.04	6.1	20.1	0.25	923	2.88
ZZ17188		1.30	42.0	2.25	3.93	<0.05	<0.02	0.09	0.017	0.04	8.6	5.7	0.12	208	5.93
ZZ17189		1.22	31.9	2.66	3.74	<0.05	0.06	0.06	0.030	0.06	11.4	17.4	0.36	441	2.46
ZZ17190		1.72	51.4	3.24	3.51	<0.05	0.02	0.02	0.029	0.04	7.1	23.3	0.32	213	2.67
ZZ16727		1.22	31.2	3.09	4.80	<0.05	<0.02	0.08	0.026	0.04	9.3	8.6	0.14	197	5.20
ZZ16728		3.41	30.2	3.86	7.47	<0.05	<0.02	<0.01	0.020	0.04	10.8	4.7	0.09	225	3.19
ZZ16729		2.01	48.2	3.33	4.21	<0.05	<0.02	0.09	0.030	0.04	9.1	14.0	0.24	185	3.22
ZZ16730		2.00	23.1	2.55	5.92	<0.05	<0.02	0.04	0.025	0.05	11.1	11.3	0.27	203	2.53
ZZ16731		2.78	34.6	3.37	4.48	<0.05	<0.02	0.10	0.024	0.04	8.7	8.6	0.10	189	4.14
ZZ16732		1.67	36.1	3.04	5.20	<0.05	<0.02	0.05	0.031	0.04	10.9	12.6	0.30	217	2.95
ZZ16733		2.11	99.2	3.64	3.68	<0.05	<0.02	0.12	0.033	0.03	6.2	8.6	0.09	93	2.76
ZZ16734		1.24	42.5	3.41	4.26	<0.05	<0.02	0.03	0.027	0.03	7.1	8.4	0.17	270	2.37
ZZ16735		1.90	27.4	3.08	5.71	<0.05	<0.02	0.03	0.021	0.04	9.2	4.8	0.11	184	2.46
ZZ16736		0.87	36.1	3.14	5.22	<0.05	<0.02	<0.01	0.020	0.03	7.6	2.1	0.06	164	2.70
ZZ16737		0.92	18.4	1.65	2.87	<0.05	<0.02	0.01	0.010	0.03	8.9	0.8	0.02	30	7.67
ZZ16738		1.21	34.2	3.06	4.94	<0.05	<0.02	0.06	0.024	0.04	8.5	10.2	0.20	214	2.33
ZZ16739		1.39	20.8	3.18	6.22	<0.05	<0.02	0.02	0.023	0.04	10.1	6.4	0.15	267	3.25
ZZ16740		0.91	35.3	3.07	4.27	<0.05	<0.02	0.02	0.018	0.03	6.5	3.2	0.07	74	2.43
ZZ16741		1.71	41.3	2.94	5.38	<0.05	<0.02	<0.01	0.025	0.03	8.2	1.1	0.03	69	4.43
ZZ16742		1.10	22.2	0.97	4.85	<0.05	<0.02	<0.01	0.014	0.02	11.2	0.8	0.02	69	1.41



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CERTIFICATE OF ANALYSIS WH11151068

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
ZZ17167		0.42	31.2	1090	36.8	11.1	<0.001	0.07	1.52	1.8	0.9	0.3	26.9	<0.01	0.04
ZZ17168		0.16	48.0	1220	23.8	6.3	<0.001	0.06	0.56	4.7	0.9	0.2	24.2	<0.01	0.05
ZZ17169		0.25	28.7	780	21.6	6.2	<0.001	0.06	0.48	1.9	0.6	0.3	11.3	<0.01	0.11
ZZ17170		0.73	25.8	760	20.1	9.1	<0.001	0.05	0.98	1.9	0.8	0.4	11.7	<0.01	0.09
ZZ17171		0.11	43.9	590	16.1	3.8	<0.001	0.05	0.43	2.4	0.4	<0.2	23.2	<0.01	0.07
ZZ17172		0.26	34.7	1210	21.9	6.4	<0.001	0.06	1.38	1.5	0.7	0.3	17.6	<0.01	0.07
ZZ17173		0.79	18.7	660	15.3	8.0	<0.001	0.05	1.69	1.4	0.6	0.5	14.1	<0.01	0.10
ZZ17174		0.40	24.0	640	15.9	7.2	<0.001	0.07	1.43	1.1	0.9	0.4	20.8	<0.01	0.05
ZZ17175		0.55	23.3	730	18.0	7.6	<0.001	0.06	2.01	1.7	3.4	0.4	17.3	<0.01	0.10
ZZ17176		0.51	13.3	560	15.0	8.2	0.001	0.04	1.15	0.8	0.9	0.6	11.6	<0.01	0.07
ZZ17177		0.38	8.7	540	12.2	7.7	<0.001	0.03	1.31	0.6	0.7	0.5	12.0	<0.01	0.06
ZZ17178		0.32	24.4	590	17.7	4.4	0.002	0.04	1.62	2.1	2.2	0.3	25.6	<0.01	0.09
ZZ17179		0.76	17.3	650	11.7	7.7	0.001	0.03	1.57	1.6	1.3	0.5	12.7	<0.01	0.07
ZZ17180		0.38	17.8	620	14.4	6.4	<0.001	0.04	1.30	0.7	1.5	0.5	13.9	<0.01	0.06
ZZ17181		1.13	16.1	520	14.6	8.1	0.001	0.04	1.22	1.5	0.9	0.6	20.5	<0.01	0.06
ZZ17182		0.60	23.9	780	14.7	10.8	<0.001	0.06	1.01	1.5	0.3	0.4	18.3	<0.01	0.09
ZZ17183		0.65	34.2	620	19.9	7.0	<0.001	0.05	1.16	2.3	0.4	0.5	18.5	<0.01	0.12
ZZ17184		0.20	36.5	1030	22.9	6.7	0.001	0.09	1.27	2.2	0.5	0.3	16.7	<0.01	0.13
ZZ17185		0.17	21.2	1570	24.8	7.6	0.001	0.13	0.93	1.5	1.4	0.4	24.3	<0.01	0.08
ZZ17186		0.33	16.3	810	31.8	10.7	<0.001	0.08	1.06	0.5	<0.2	0.6	14.0	<0.01	0.06
ZZ17187		0.60	22.3	740	18.3	8.4	<0.001	0.04	0.96	2.0	0.5	0.4	8.8	<0.01	0.07
ZZ17188		0.62	14.0	330	16.5	5.8	0.001	0.04	3.09	1.5	2.3	0.6	11.6	<0.01	0.12
ZZ17189		0.91	24.4	650	13.1	6.7	0.001	0.03	1.69	2.4	1.5	0.4	15.8	<0.01	0.08
ZZ17190		0.49	26.7	560	14.7	5.3	0.001	0.05	1.44	1.9	1.6	0.3	21.0	<0.01	0.10
ZZ16727		0.55	15.0	900	15.9	7.8	<0.001	0.05	4.04	1.2	1.7	0.7	19.4	<0.01	0.10
ZZ16728		1.53	10.4	610	13.9	8.4	<0.001	0.03	1.66	1.3	0.7	0.9	9.5	<0.01	0.06
ZZ16729		0.81	18.5	540	15.4	7.3	<0.001	0.05	2.44	1.9	1.5	0.7	18.5	<0.01	0.06
ZZ16730		0.43	13.3	550	13.1	10.2	0.001	0.04	0.99	0.6	1.2	0.7	11.0	<0.01	0.06
ZZ16731		0.98	11.8	580	16.8	8.5	<0.001	0.04	2.60	1.4	1.8	0.7	15.0	<0.01	0.06
ZZ16732		0.48	17.9	640	14.4	7.8	0.001	0.05	1.89	1.2	1.8	0.7	13.5	<0.01	0.04
ZZ16733		0.34	28.7	800	17.8	5.2	0.001	0.05	3.51	1.3	4.8	0.6	33.6	<0.01	0.10
ZZ16734		0.39	15.8	600	13.8	6.8	<0.001	0.05	1.49	0.7	1.2	0.4	10.8	<0.01	0.08
ZZ16735		0.73	11.0	470	13.4	8.2	<0.001	0.03	1.11	0.8	0.7	0.7	8.9	<0.01	0.07
ZZ16736		0.45	11.9	700	12.0	4.5	<0.001	0.04	1.44	0.6	0.5	0.5	16.8	<0.01	0.09
ZZ16737		0.29	5.3	800	11.9	4.7	0.001	0.05	4.67	0.5	2.1	0.5	26.3	<0.01	0.07
ZZ16738		0.88	14.4	560	13.4	9.4	0.001	0.03	1.31	1.5	1.0	0.6	10.4	<0.01	0.05
ZZ16739		0.87	10.6	520	14.4	9.1	<0.001	0.05	1.40	1.1	0.6	0.8	14.5	<0.01	0.08
ZZ16740		0.59	10.0	520	10.0	5.4	<0.001	0.04	1.66	1.0	1.4	0.4	11.7	<0.01	0.07
ZZ16741		0.37	8.6	670	14.5	5.7	0.001	0.04	2.17	0.5	1.7	0.7	20.0	<0.01	0.16
ZZ16742		0.15	5.0	360	9.1	3.7	<0.001	0.02	0.63	0.1	<0.2	0.9	9.9	<0.01	0.04



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CERTIFICATE OF ANALYSIS WH11151068

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
ZZ17167		0.010	0.15	2.45	26	0.25	5.79	90	<0.5
ZZ17168		0.006	0.11	2.09	21	<0.05	8.67	129	0.7
ZZ17169		0.009	0.06	0.43	31	0.06	2.91	75	<0.5
ZZ17170		0.024	0.11	0.54	49	0.19	2.88	82	<0.5
ZZ17171		0.005	0.04	0.56	15	<0.05	4.33	92	1.2
ZZ17172		0.018	0.06	0.93	31	0.12	5.00	100	<0.5
ZZ17173		0.029	0.07	0.67	44	0.24	2.49	67	<0.5
ZZ17174		0.022	0.03	0.69	39	0.18	2.97	87	<0.5
ZZ17175		0.024	0.07	1.27	40	0.19	3.15	91	<0.5
ZZ17176		0.032	0.07	0.68	51	0.21	2.19	53	<0.5
ZZ17177		0.023	0.04	0.42	44	0.15	1.55	45	<0.5
ZZ17178		0.018	0.04	0.99	26	0.12	3.28	75	0.5
ZZ17179		0.033	0.04	0.62	52	0.21	2.74	72	<0.5
ZZ17180		0.022	0.06	0.94	44	0.20	2.61	72	<0.5
ZZ17181		0.031	0.08	0.59	48	0.28	1.85	65	0.7
ZZ17182		0.023	0.11	0.62	42	0.18	2.89	91	<0.5
ZZ17183		0.030	0.06	0.87	41	0.39	4.32	108	<0.5
ZZ17184		0.010	0.02	0.79	32	0.05	2.99	105	0.9
ZZ17185		<0.005	0.12	1.90	26	0.05	3.15	69	1.5
ZZ17186		0.017	0.08	2.80	34	0.20	4.72	71	<0.5
ZZ17187		0.019	0.04	0.51	37	0.15	2.53	75	<0.5
ZZ17188		0.020	0.14	0.67	42	0.19	2.45	46	0.5
ZZ17189		0.036	0.07	0.91	39	0.28	3.83	96	2.0
ZZ17190		0.021	0.06	0.83	30	0.16	2.85	84	0.6
ZZ16727		0.023	0.14	0.75	58	0.23	2.23	69	<0.5
ZZ16728		0.051	0.12	0.55	77	0.32	1.98	56	<0.5
ZZ16729		0.026	0.11	0.81	45	0.23	2.78	73	<0.5
ZZ16730		0.025	0.10	0.83	50	0.29	2.33	57	<0.5
ZZ16731		0.026	0.13	0.97	51	0.23	2.11	57	<0.5
ZZ16732		0.031	0.09	0.95	50	0.27	3.32	71	<0.5
ZZ16733		0.015	0.05	1.38	49	0.13	3.60	87	<0.5
ZZ16734		0.022	0.06	0.75	38	0.19	2.12	63	<0.5
ZZ16735		0.034	0.07	0.68	58	0.28	2.26	52	<0.5
ZZ16736		0.028	0.03	0.52	57	0.23	1.92	69	<0.5
ZZ16737		0.014	0.17	0.59	80	0.14	1.42	45	<0.5
ZZ16738		0.034	0.06	0.66	51	0.27	2.23	68	<0.5
ZZ16739		0.031	0.11	0.63	61	0.29	2.08	61	<0.5
ZZ16740		0.022	0.02	0.44	43	0.17	1.56	48	<0.5
ZZ16741		0.024	0.06	0.49	61	0.21	1.65	47	<0.5
ZZ16742		0.013	0.06	0.46	38	0.12	1.32	25	<0.5



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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
ZZ16743		0.34	0.003	0.67	1.30	24.6	<0.2	<10	570	0.27	0.33	0.07	0.22	17.90	7.5	26
ZZ16744		0.32	0.002	0.64	0.87	14.3	<0.2	<10	250	0.13	0.26	0.05	0.16	18.15	3.7	22
ZZ16745		0.24	<0.001	0.58	0.65	11.3	<0.2	<10	210	0.10	0.34	0.02	0.11	23.5	2.3	12
ZZ16746		0.26	<0.001	0.27	0.52	5.4	<0.2	<10	260	0.09	0.23	0.02	0.09	26.8	1.1	9
ZZ16747		0.32	0.014	2.45	0.84	38.8	<0.2	<10	260	0.20	0.46	0.02	0.16	19.05	3.0	27
ZZ16748		0.24	0.003	0.71	0.83	22.5	<0.2	<10	360	0.16	0.45	0.03	0.15	24.4	4.5	19
ZZ16749		0.40	0.002	0.70	0.81	16.3	<0.2	<10	350	0.17	0.30	0.02	0.18	22.7	4.9	16
ZZ16750		0.38	0.003	1.58	0.80	29.6	<0.2	<10	810	0.21	0.30	0.04	0.33	15.20	3.4	21
CC124541		0.32	0.002	0.18	1.25	13.0	<0.2	<10	650	0.30	0.34	0.05	0.24	17.00	16.6	24
CC124542		0.26	0.003	0.33	1.28	11.3	<0.2	<10	230	0.24	0.42	0.04	0.20	17.35	8.5	29
CC124543		0.32	0.004	0.39	1.35	22.7	<0.2	<10	1680	0.43	0.63	0.07	0.27	20.1	9.8	26
CC124544		0.32	0.001	0.43	1.31	25.0	<0.2	<10	280	0.34	0.46	0.03	0.16	12.50	5.7	30
ZZ17234		0.24	0.009	1.31	0.88	24.0	<0.2	<10	2090	0.18	0.27	0.02	0.07	20.3	2.8	19
ZZ17235		0.30	0.009	0.46	0.45	11.2	<0.2	<10	240	0.14	0.32	0.02	0.08	5.99	3.1	7
ZZ17236		0.30	0.011	1.71	0.88	45.5	<0.2	<10	1050	0.50	0.40	0.01	0.48	57.4	20.0	11
ZZ17237		0.28	0.004	1.67	1.56	32.2	<0.2	<10	260	0.46	0.42	0.06	0.35	21.0	10.3	26
ZZ17238		0.28	0.005	0.22	1.89	57.3	<0.2	<10	1800	0.33	0.42	0.04	0.17	20.9	13.9	25
ZZ17239		0.42	0.004	0.75	0.91	20.7	<0.2	<10	250	0.18	0.35	0.03	0.10	14.55	2.1	17
ZZ17240		0.32	0.006	1.43	0.93	20.9	<0.2	<10	390	0.20	0.25	0.09	0.25	16.40	5.6	21
ZZ17250		0.28	0.007	0.11	1.11	14.9	<0.2	<10	130	0.22	0.33	0.05	0.16	16.45	5.6	20
ZZ17288		0.28	0.011	1.41	0.56	20.8	<0.2	<10	2310	0.09	0.30	0.02	0.08	4.94	2.4	11
ZZ17289		0.36	0.013	1.21	0.58	21.0	<0.2	<10	440	0.12	0.29	0.02	0.07	8.43	2.1	17
ZZ17290		0.28	0.005	0.81	0.91	21.2	<0.2	<10	200	0.16	0.46	0.04	0.11	18.50	4.6	21
ZZ17291		0.46	0.011	0.23	1.86	17.7	<0.2	<10	330	0.38	0.35	0.11	0.31	26.1	9.7	28
ZZ17292		0.18	0.015	4.73	1.06	31.2	<0.2	<10	130	0.18	0.52	0.04	0.44	13.20	2.7	26
ZZ17293		0.60	0.011	3.46	0.54	35.0	<0.2	<10	70	0.20	0.79	0.02	0.24	25.8	0.6	17
ZZ17294		0.24	0.024	1.09	1.05	31.9	<0.2	<10	1170	0.21	0.56	0.03	0.40	18.35	4.3	18
ZZ17295		0.48	0.008	0.22	1.12	13.6	<0.2	<10	230	0.19	0.35	0.05	0.27	17.30	5.1	21
ZZ17296		0.22	0.005	4.20	1.69	35.0	<0.2	<10	2010	0.53	0.18	0.59	1.87	17.05	4.0	25
ZZ17297		0.26	0.001	1.33	1.04	19.1	<0.2	<10	1050	0.20	0.33	0.08	0.22	19.65	3.3	23
ZZ17298		0.40	0.002	1.88	0.67	29.8	<0.2	<10	1440	0.20	0.20	0.16	0.57	22.8	3.6	14
ZZ17299		0.36	0.004	2.33	1.48	27.7	<0.2	<10	2490	0.36	0.25	0.13	0.78	18.10	3.7	25
ZZ17300		0.40	0.014	0.71	1.33	30.7	<0.2	<10	410	0.24	0.37	0.11	0.35	19.65	4.9	27
DD000451		0.22	0.007	0.27	0.37	7.5	<0.2	<10	310	0.09	0.27	0.03	0.13	9.49	0.9	7
DD000452		0.16	0.009	0.96	0.41	21.1	<0.2	<10	320	0.11	0.31	0.03	0.12	16.65	1.6	13
DD000453		0.32	0.006	1.80	1.36	15.8	<0.2	<10	3060	0.38	0.26	0.11	1.35	16.25	2.9	17
DD000454		0.42	0.011	0.29	0.81	14.0	<0.2	<10	230	0.22	0.19	0.20	0.51	22.7	6.0	16
DD000455		0.32	0.006	0.15	0.27	19.5	<0.2	<10	160	0.06	0.31	0.01	0.11	8.81	1.1	8
DD000456		0.32	0.012	0.92	0.70	15.0	<0.2	<10	340	0.17	0.22	0.03	0.19	14.20	2.9	14
DD000457		0.38	0.008	1.32	0.77	13.0	<0.2	<10	340	0.15	0.26	0.03	0.14	11.45	4.6	17



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CERTIFICATE OF ANALYSIS WH11151068

Sample Description	Method Analyte Units LOR	ME- MS41 Cs ppm 0.05	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01
ZZ16743		3.78	56.1	4.13	5.75	<0.05	<0.02	0.01	0.031	0.06	9.9	10.5	0.29	283	7.12	0.01
ZZ16744		2.47	26.3	2.55	5.50	0.06	<0.02	0.04	0.017	0.04	9.8	10.3	0.21	117	3.64	<0.01
ZZ16745		2.45	16.4	1.69	6.79	0.05	<0.02	0.03	0.010	0.03	12.6	1.5	0.04	69	3.53	<0.01
ZZ16746		1.97	20.0	0.75	5.26	<0.05	<0.02	0.02	0.009	0.03	14.2	1.3	0.03	37	2.32	<0.01
ZZ16747		1.25	34.6	5.16	5.65	0.11	<0.02	0.07	0.031	0.06	10.3	5.7	0.12	91	10.60	0.01
ZZ16748		1.29	38.9	3.06	5.95	0.07	<0.02	0.06	0.020	0.04	13.6	8.4	0.13	196	3.95	0.01
ZZ16749		1.07	37.7	2.33	4.97	0.05	<0.02	0.05	0.018	0.04	11.9	7.6	0.10	156	3.73	<0.01
ZZ16750		1.34	36.6	3.26	5.51	0.07	<0.02	0.09	0.026	0.06	8.9	3.0	0.07	116	9.60	<0.01
CC124541		3.75	131.0	2.92	4.88	0.06	<0.02	0.05	0.025	0.05	8.2	19.5	0.26	1240	3.90	<0.01
CC124542		3.69	63.3	3.38	6.45	0.07	<0.02	0.06	0.025	0.05	8.9	18.0	0.24	540	2.81	<0.01
CC124543		2.98	89.0	3.28	4.91	0.08	0.02	0.08	0.029	0.06	10.0	19.1	0.24	493	4.45	0.01
CC124544		3.10	60.0	5.01	5.82	0.09	0.03	0.09	0.038	0.07	5.0	15.1	0.27	350	8.65	0.01
ZZ17234		2.76	49.5	2.47	3.39	0.06	<0.02	0.08	0.026	0.06	12.4	3.0	0.11	84	12.15	0.01
ZZ17235		1.22	63.6	2.62	2.35	0.05	<0.02	0.04	0.023	0.05	2.8	3.0	0.04	649	1.32	<0.01
ZZ17236		5.01	158.0	11.90	1.08	0.24	0.28	0.21	0.049	0.06	38.5	2.7	0.06	942	2.92	0.04
ZZ17237		3.35	55.0	3.54	4.94	0.08	0.04	0.07	0.033	0.07	10.5	26.7	0.29	277	2.86	0.01
ZZ17238		1.90	77.6	3.50	5.36	0.08	0.03	0.06	0.029	0.04	9.8	23.8	0.18	1090	5.72	0.01
ZZ17239		1.98	34.2	2.19	4.80	0.05	<0.02	0.04	0.021	0.04	7.3	5.3	0.07	76	2.40	<0.01
ZZ17240		1.93	54.7	3.24	3.88	0.08	<0.02	0.11	0.027	0.04	8.0	9.2	0.15	260	3.09	<0.01
ZZ17250		2.03	45.4	3.11	5.54	0.06	<0.02	0.04	0.031	0.04	8.5	10.5	0.19	540	2.18	<0.01
ZZ17288		1.72	53.8	2.76	2.01	0.06	<0.02	0.10	0.025	0.04	2.4	2.1	0.05	158	3.11	0.02
ZZ17289		1.32	42.8	2.52	2.74	0.07	<0.02	0.07	0.021	0.03	4.2	3.0	0.08	74	5.15	0.01
ZZ17290		2.27	28.3	3.85	7.25	0.08	<0.02	0.05	0.027	0.05	9.2	6.4	0.18	314	3.49	<0.01
ZZ17291		2.52	91.6	3.30	5.89	0.07	0.02	0.08	0.039	0.06	13.3	19.7	0.43	430	2.70	<0.01
ZZ17292		2.15	46.1	7.30	5.56	0.14	<0.02	0.50	0.047	0.48	7.9	7.3	0.13	131	13.00	0.06
ZZ17293		2.47	70.8	4.21	3.88	0.28	0.06	0.36	0.055	0.35	15.6	2.3	0.04	38	18.15	0.03
ZZ17294		1.57	61.2	4.62	4.62	0.10	<0.02	0.11	0.077	0.11	8.5	7.2	0.14	300	5.59	0.01
ZZ17295		2.13	43.8	2.74	5.64	0.06	<0.02	0.03	0.030	0.05	9.1	9.5	0.22	330	2.95	<0.01
ZZ17296		1.12	62.5	2.32	4.42	0.11	0.03	0.37	0.036	0.07	10.8	9.3	0.16	131	15.85	0.02
ZZ17297		1.41	18.5	2.15	7.41	0.07	<0.02	0.15	0.025	0.04	10.8	4.2	0.11	115	6.64	0.01
ZZ17298		0.99	31.8	2.00	3.02	0.09	<0.02	0.26	0.036	0.08	12.7	6.6	0.14	117	18.65	0.01
ZZ17299		1.46	46.8	2.53	6.18	0.07	0.03	0.30	0.033	0.06	10.8	9.5	0.18	137	10.25	0.02
ZZ17300		3.05	52.7	4.20	6.15	0.09	0.02	0.07	0.041	0.10	10.5	10.7	0.22	298	5.86	0.02
DD000451		1.02	32.5	1.66	2.54	<0.05	<0.02	0.06	0.018	0.04	4.8	0.7	0.02	21	1.89	<0.01
DD000452		1.72	40.7	2.37	5.51	0.06	<0.02	0.12	0.022	0.07	9.7	1.6	0.03	47	7.47	<0.01
DD000453		1.06	74.1	2.00	4.33	0.07	0.02	0.36	0.025	0.04	9.1	6.8	0.11	87	5.10	0.02
DD000454		0.92	48.3	2.39	2.65	0.06	0.02	0.05	0.024	0.04	11.7	9.8	0.22	285	2.37	<0.01
DD000455		1.19	47.1	2.56	3.04	0.06	<0.02	0.03	0.038	0.03	4.0	0.4	0.01	30	3.09	0.01
DD000456		1.33	35.5	2.53	3.36	0.07	<0.02	0.12	0.028	0.03	7.0	5.6	0.12	102	2.75	0.01
DD000457		2.78	50.8	2.63	3.67	0.09	<0.02	0.09	0.028	0.04	5.1	5.2	0.14	293	2.70	0.01



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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
ZZ16743		0.93	21.5	1240	23.6	7.8	0.001	0.06	3.94	1.9	2.1	0.6	49.1	<0.01	0.08
ZZ16744		0.55	14.4	710	11.9	9.7	<0.001	0.03	1.51	1.1	1.3	0.5	19.2	<0.01	0.06
ZZ16745		0.47	7.5	540	11.3	6.1	<0.001	0.02	1.48	0.8	0.8	0.8	17.0	<0.01	0.05
ZZ16746		0.16	3.8	440	7.0	8.7	<0.001	0.01	0.66	0.3	0.5	0.6	13.2	<0.01	0.03
ZZ16747		1.11	12.8	1040	23.2	13.5	0.001	0.10	3.93	1.7	6.6	0.5	20.0	<0.01	0.19
ZZ16748		0.52	16.2	890	14.6	11.7	<0.001	0.04	2.00	1.1	2.0	0.5	14.4	<0.01	0.10
ZZ16749		0.62	13.8	710	11.3	8.2	<0.001	0.03	2.14	1.5	1.3	0.5	17.2	<0.01	0.08
ZZ16750		0.23	12.6	3420	13.4	13.7	<0.001	0.08	3.14	0.4	3.1	0.5	48.2	<0.01	0.11
CC124541		0.46	25.4	730	16.4	11.0	<0.001	0.03	1.43	1.2	0.9	0.4	14.3	<0.01	0.09
CC124542		0.65	19.9	660	14.1	12.0	<0.001	0.03	1.11	1.3	0.9	0.5	11.0	<0.01	0.10
CC124543		0.56	26.9	1020	25.1	15.3	<0.001	0.09	2.45	1.0	1.4	0.4	37.5	<0.01	0.11
CC124544		0.39	21.1	1560	25.6	13.2	<0.001	0.11	1.28	1.3	1.7	0.3	28.9	<0.01	0.11
ZZ17234		0.40	12.5	2080	14.0	7.7	0.003	0.18	4.67	1.5	3.1	0.4	311	<0.01	0.14
ZZ17235		0.32	8.0	560	11.7	9.0	<0.001	0.04	0.79	1.9	0.7	0.3	11.9	<0.01	0.48
ZZ17236		0.32	99.1	760	35.6	6.1	0.007	0.24	7.25	9.0	8.3	<0.2	69.6	0.01	0.16
ZZ17237		1.16	36.4	630	17.3	15.1	<0.001	0.05	1.65	2.7	2.3	0.4	27.1	0.01	0.09
ZZ17238		1.14	25.9	660	15.9	10.7	<0.001	0.07	1.54	2.2	1.4	0.5	21.4	0.01	0.12
ZZ17239		0.49	9.0	520	14.8	10.7	0.001	0.03	1.20	0.7	1.8	0.5	14.5	<0.01	0.08
ZZ17240		0.59	21.0	740	14.4	7.9	0.001	0.03	1.72	1.7	3.1	0.4	27.0	<0.01	0.08
ZZ17250		0.76	15.0	480	14.8	10.4	<0.001	0.03	1.10	1.7	1.0	0.5	13.5	<0.01	0.18
ZZ17288		0.19	9.8	690	13.1	5.9	0.001	0.11	1.36	1.0	4.0	0.2	32.0	<0.01	0.14
ZZ17289		0.23	9.0	560	16.0	6.7	0.002	0.06	2.17	0.9	6.4	0.3	17.6	<0.01	0.13
ZZ17290		1.57	13.9	460	21.7	11.5	<0.001	0.03	2.00	2.0	2.6	0.6	21.5	<0.01	0.12
ZZ17291		1.09	29.6	740	17.1	13.5	<0.001	0.03	1.64	3.7	1.6	0.6	33.3	0.01	0.14
ZZ17292		0.97	9.5	2420	26.7	37.8	0.001	1.37	8.25	1.7	12.6	0.7	188.5	<0.01	0.35
ZZ17293		0.12	3.6	2190	43.0	27.7	0.004	0.92	10.40	3.5	62.8	0.7	377	<0.01	0.60
ZZ17294		0.41	15.7	1170	24.3	13.7	<0.001	0.22	2.15	1.3	6.3	0.5	99.5	<0.01	0.30
ZZ17295		0.38	16.7	820	14.0	12.6	<0.001	0.05	1.46	1.0	1.3	0.6	27.3	<0.01	0.17
ZZ17296		0.44	36.7	5730	10.7	10.0	0.003	0.14	12.55	1.7	9.0	0.4	545	0.01	0.11
ZZ17297		0.48	11.9	1580	11.8	8.6	0.001	0.08	3.46	0.6	3.6	0.7	46.1	<0.01	0.09
ZZ17298		0.20	15.3	1300	14.5	8.8	0.003	0.17	16.80	1.0	12.6	0.3	103.0	<0.01	0.09
ZZ17299		0.36	17.9	3340	11.7	11.3	0.002	0.13	5.71	0.9	4.7	0.5	145.0	0.01	0.10
ZZ17300		0.43	15.2	3340	19.8	15.5	0.001	0.21	2.73	1.9	2.9	0.6	194.0	<0.01	0.19
DD000451		0.29	3.2	870	8.3	5.1	<0.001	0.07	0.76	0.6	1.4	0.3	25.8	<0.01	0.14
DD000452		0.18	6.2	1200	15.4	10.6	0.001	0.13	3.67	0.3	5.0	0.6	83.1	<0.01	0.21
DD000453		0.44	18.4	2130	9.9	8.5	0.005	0.15	2.72	0.6	6.0	0.5	101.0	<0.01	0.11
DD000454		0.68	21.9	1110	8.5	6.0	0.001	0.04	1.70	2.7	1.6	0.2	43.0	<0.01	0.10
DD000455		0.30	5.0	630	12.6	4.4	<0.001	0.03	1.76	0.8	1.5	0.6	12.6	<0.01	0.18
DD000456		0.65	11.6	500	11.6	5.2	<0.001	0.03	1.65	1.4	2.4	0.4	17.2	<0.01	0.11
DD000457		0.44	15.8	710	15.8	8.3	0.001	0.04	1.58	1.5	3.3	0.4	24.9	<0.01	0.11



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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
ZZ16743		0.029	0.21	0.96	70	0.22	3.25	99	<0.5
ZZ16744		0.021	0.13	0.48	51	0.18	2.04	55	<0.5
ZZ16745		0.023	0.16	0.44	70	0.21	1.68	35	<0.5
ZZ16746		0.008	0.13	0.43	35	0.13	1.69	19	<0.5
ZZ16747		0.024	0.17	0.75	61	0.17	3.19	74	0.6
ZZ16748		0.026	0.12	0.75	52	0.18	2.62	68	<0.5
ZZ16749		0.017	0.11	0.57	49	0.17	2.18	62	<0.5
ZZ16750		0.006	0.23	1.64	59	0.15	2.60	56	<0.5
CC124541		0.020	0.10	0.66	39	0.17	3.38	89	<0.5
CC124542		0.024	0.11	0.73	52	0.21	2.71	75	<0.5
CC124543		0.010	0.12	1.16	36	0.13	5.10	82	<0.5
CC124544		0.005	0.18	1.53	33	0.07	2.73	77	1.0
ZZ17234		0.009	0.36	1.30	63	0.11	3.75	57	<0.5
ZZ17235		0.012	0.06	0.29	26	0.09	1.48	36	<0.5
ZZ17236		<0.005	0.14	5.78	17	0.10	16.90	301	18.3
ZZ17237		0.024	0.14	1.63	43	0.22	3.27	99	1.5
ZZ17238		0.020	0.15	1.02	44	0.22	2.99	94	0.6
ZZ17239		0.014	0.11	0.82	40	0.15	1.91	37	<0.5
ZZ17240		0.023	0.10	0.98	40	0.21	3.87	77	<0.5
ZZ17250		0.034	0.11	0.58	48	0.24	2.46	57	<0.5
ZZ17288		0.007	0.08	1.16	18	<0.05	1.97	66	<0.5
ZZ17289		0.010	0.09	1.16	30	0.07	2.65	48	<0.5
ZZ17290		0.054	0.16	0.62	56	0.23	2.20	56	0.5
ZZ17291		0.038	0.16	1.32	54	0.28	6.66	98	<0.5
ZZ17292		0.027	0.90	1.49	81	0.22	3.48	58	<0.5
ZZ17293		0.005	0.99	3.64	42	0.07	7.36	52	5.9
ZZ17294		0.015	0.19	1.32	54	0.15	3.55	143	<0.5
ZZ17295		0.024	0.15	0.86	58	0.20	2.61	79	<0.5
ZZ17296		0.020	0.85	6.40	159	0.19	12.00	147	0.5
ZZ17297		0.018	0.27	1.61	106	0.24	3.12	54	<0.5
ZZ17298		0.014	0.54	1.98	94	0.15	5.26	82	<0.5
ZZ17299		0.012	0.48	3.44	98	0.17	6.42	87	0.7
ZZ17300		0.024	0.28	1.98	66	0.21	5.34	89	<0.5
DD000451		0.010	0.07	0.42	29	0.07	1.03	24	<0.5
DD000452		0.007	0.19	0.82	64	0.14	1.97	42	<0.5
DD000453		0.010	0.22	3.30	48	0.28	7.96	72	<0.5
DD000454		0.036	0.09	1.16	36	0.25	6.55	89	0.6
DD000455		0.014	0.03	0.35	37	0.15	0.96	44	<0.5
DD000456		0.022	0.07	0.85	35	0.21	2.64	56	<0.5
DD000457		0.016	0.10	1.06	30	0.14	2.60	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
DD000458		0.30	0.007	0.24	0.62	15.2	<0.2	<10	210	0.23	0.29	0.03	0.18	13.25	3.2	12
DD000459		0.24	0.008	1.17	0.85	22.7	<0.2	<10	610	0.25	0.29	0.10	0.72	15.95	5.8	19
DD000460		0.24	0.002	0.35	1.10	19.9	<0.2	<10	240	0.24	0.45	0.04	0.11	18.40	5.6	21
DD000461		0.18	0.006	0.61	1.45	75.5	<0.2	<10	1620	0.88	0.93	0.03	0.35	25.1	18.9	15
DD000462		0.32	0.002	1.12	1.62	20.7	<0.2	<10	400	0.32	0.37	0.03	0.14	33.7	8.1	27
DD000463		0.36	0.004	0.36	1.37	15.8	<0.2	<10	970	0.27	0.24	0.04	0.25	20.4	9.7	24
DD000464		0.44	0.055	0.98	1.37	20.0	<0.2	<10	2220	0.32	0.83	0.03	0.18	27.8	35.3	18
DD000465		0.36	0.011	1.66	1.08	30.6	<0.2	<10	490	0.31	0.35	0.02	0.19	14.55	4.3	21
DD000466		0.32	0.008	0.61	0.97	19.1	<0.2	<10	180	0.20	0.28	0.03	0.16	15.45	3.9	17



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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
DD000458		1.16	43.3	2.45	3.71	0.09	<0.02	0.04	0.030	0.03	6.9	3.0	0.08	166	2.25
DD000459		2.64	66.0	3.46	3.63	0.12	<0.02	0.10	0.029	0.03	7.9	7.0	0.12	287	2.79
DD000460		3.47	37.4	3.40	6.13	0.09	<0.02	0.09	0.025	0.05	9.6	12.3	0.17	364	3.23
DD000461		3.03	137.0	3.10	4.61	0.11	0.06	0.09	0.031	0.04	11.7	11.9	0.12	1440	18.40
DD000462		2.48	44.1	3.87	8.49	0.14	0.06	0.10	0.039	0.04	16.1	24.2	0.21	348	3.94
DD000463		1.66	56.0	3.31	4.49	0.09	0.04	0.03	0.029	0.04	9.3	20.7	0.29	496	2.98
DD000464		9.30	513	6.20	3.89	0.18	0.19	0.09	0.046	0.04	11.6	16.6	0.31	1920	3.12
DD000465		4.51	96.8	3.91	3.98	0.12	0.03	0.13	0.040	0.04	6.9	15.5	0.17	213	2.85
DD000466		1.71	37.4	3.36	4.75	0.08	<0.02	0.07	0.032	0.04	7.6	7.3	0.11	208	2.70



ALS Canada Ltd.
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To: ARCHER, CATHRO AND ASSOCIATES (1981)
 LIMITED
 1016- 510 W HASTINGS ST
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Project: New Dimension - Lorne

CERTIFICATE OF ANALYSIS WH11151068

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
DD000458		0.31	10.3	620	15.2	5.1	<0.001	0.06	1.23	0.8	1.2	0.5	18.0	<0.01	0.18	<0.2
DD000459		0.42	27.9	840	18.1	6.9	0.001	0.05	1.91	1.7	3.3	0.5	41.6	<0.01	0.11	0.5
DD000460		0.89	14.5	1140	24.6	15.0	<0.001	0.06	1.46	1.4	1.5	0.7	13.4	<0.01	0.09	0.4
DD000461		0.79	35.1	1010	62.9	11.8	0.001	0.08	2.38	1.6	2.1	0.5	19.3	0.01	0.14	0.7
DD000462		2.23	21.1	640	18.6	12.7	<0.001	0.03	2.00	3.0	2.3	0.8	16.6	0.01	0.15	4.6
DD000463		1.16	24.3	450	12.9	7.2	<0.001	0.04	1.62	2.6	1.5	0.5	17.8	<0.01	0.09	3.2
DD000464		0.51	53.5	1780	51.7	7.5	<0.001	0.14	1.53	5.3	4.1	0.3	55.0	0.01	0.42	4.0
DD000465		0.92	21.2	630	23.1	8.5	0.001	0.06	2.80	2.3	5.0	0.5	20.3	<0.01	0.16	3.1
DD000466		1.30	13.1	500	12.8	8.8	<0.001	0.04	1.42	1.8	1.4	0.8	15.8	<0.01	0.17	1.3



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Project: New Dimension - Lorne

CERTIFICATE OF ANALYSIS WH11151068

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
DD000458		0.019	0.07	0.68	35	0.21	2.10	45	<0.5
DD000459		0.019	0.10	1.21	36	0.20	5.46	107	<0.5
DD000460		0.029	0.19	1.02	53	0.31	2.20	61	<0.5
DD000461		0.015	0.26	2.96	33	0.37	6.25	105	0.8
DD000462		0.023	0.14	0.98	54	0.35	3.02	60	2.1
DD000463		0.029	0.08	0.78	42	0.24	3.41	109	1.2
DD000464		0.010	0.09	5.38	21	0.11	12.90	150	5.0
DD000465		0.016	0.09	1.38	30	0.22	2.51	69	1.2
DD000466		0.034	0.08	0.62	46	0.29	2.03	60	<0.5



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CERTIFICATE OF ANALYSIS WH11151068

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

Qm01235

Statement of Expenditures
Lorne 1-16 Mineral Claims
August 29, 2011



Labour

S. Eaton (geologist) July 23 – 1 day @ \$680/day	\$ 761.60
A. Mitchell (field assistant) July 23 – 1 day @ \$496/day	555.52
C. Michalewicz (field assistant) July 23 – 1 day @ \$376/day	421.12
P. Wittstock (field assistant) July 28 – 1 day @ \$376/day	421.12
S. Cicchine (field assistant) July 28 – 1 day @ \$344/day	385.28
K. Didlick (field assistant) July 28 – 1 day @ \$344/day	385.28
	2,929.92

Expense

Field room and board – 6 days @ \$125/day	840.00
Fireweed Helicopters – 1.9 hrs Hughes 500D @ \$1050/hr plus fuel	2,199.50
– 2.2 hrs L1 @ \$1250/hr plus fuel	2,887.50
ALS Chemex	441.65
	6,368.65

Total	\$9,298.57
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Cost per sample - $\$9,298.57/217 = \$42.8505...$

Grant Number	Claim Name	# of Samples	Cost
YD62763	Lorne 1	47	\$ 2,013.98
YD62764	Lorne 2	29	1,242.67
YD62765	Lorne 3	34	1,456.92
YD62766	Lorne 4	24	1,028.41
YD62767	Lorne 5	9	385.65
YD62768	Lorne 6	10	428.51
YD62769	Lorne 7	5	214.25
YD62770	Lorne 8	10	428.51
YD62771	Lorne 9	1	42.85
YD62772	Lorne 10	7	299.95
YD62773	Lorne 11	3	128.55
YD62774	Lorne 12	10	428.51
YD62775	Lorne 13	4	171.40
YD62776	Lorne 14	9	385.65
YD62777	Lorne 15	5	214.25
YD62778	Lorne 16	10	428.51
Total		217	\$ 9,298.57