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**ASSESSMENT REPORT**

describing

**GEOCHEMICAL SAMPLING, HAND TRENCHING,  
PROSPECTING AND GEOLOGICAL MAPPING**

Field work performed from July 9 to 13, and on August 29, 2013

at the

**HDL PROPERTY**

HDL 1-6 YD31855-YD31860  
LDH 1-6 YC25229-YD25234  
7-8 YD89697- YD89698

NTS 105A/11  
Latitude 60°39'N; Longitude 129°42'W

in the

Watson Lake Mining District  
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**STRATEGIC METALS LTD.**

by

X. Montague, BSc (Hons), GIT

December 2013

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## **INTRODUCTION**

The HDL property is a copper-lead-zinc-gold prospect that was staked to cover the potential source of a highly anomalous copper stream sediment value. The property lies in southeast Yukon and is wholly owned by Strategic Metals Ltd.

This report describes a geochemical sampling, hand trenching, prospecting and geological mapping program conducted by Archer, Cathro & Associates (1981) Limited on behalf of Strategic Metals. The work was performed by a three person crew from July 9 to 13, and on August 28, 2013. The author participated in the program and interpreted results; her Statement of Qualifications appears in Appendix I. A Statement of Expenditures is in Appendix II.

## **PROPERTY LOCATION, CLAIM DATA AND ACCESS**

The HDL property consists of 14 contiguous mineral claims, which are located on NTS map sheet 105A/11 at latitude 60°39' north and longitude 129°42' west (Figure 1). The property covers an area of approximately 289 ha (2.89 km<sup>2</sup>). The claims are registered with the Watson Lake 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>
HDL 1-6	YD31855-YD31860	March 31, 2020
LDH 1-6	YC25229-YD25234	March 31, 2020
LDH 7-8	YD89697- YD89698	March 31, 2018

\* Expiry dates do not include 2013 work that has not yet been filed for assessment credit

The 2013 work was completed from a fly camp on the property (Figure 2). A staging area near Simpson Lake was used for mobilization of crew and gear. Helicopter support for the program was provided by a Bell 206B helicopter operated by Trans North Helicopters from its base in Watson Lake.

The HDL property lies approximately 75 km northwest of the community of Watson Lake, the local supply centre. The closest road access is from the Robert Campbell Highway, which at its nearest point is about six kilometres east of the property. The Robert Campbell Highway is normally usable in all seasons by two wheel drive vehicles.

The property lies within the Kaska Dene traditional territory. Neither the property, nor the access route overlies lands that are withdrawn from staking pending first nation land claims settlement.

## **HISTORY AND PREVIOUS WORK**

In 1995, the Geological Survey of Canada (GSC), in conjunction with the Department of Indian Affairs and Northern Development, conducted regional geochemical surveys on parts of NTS

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FIGURE 1  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

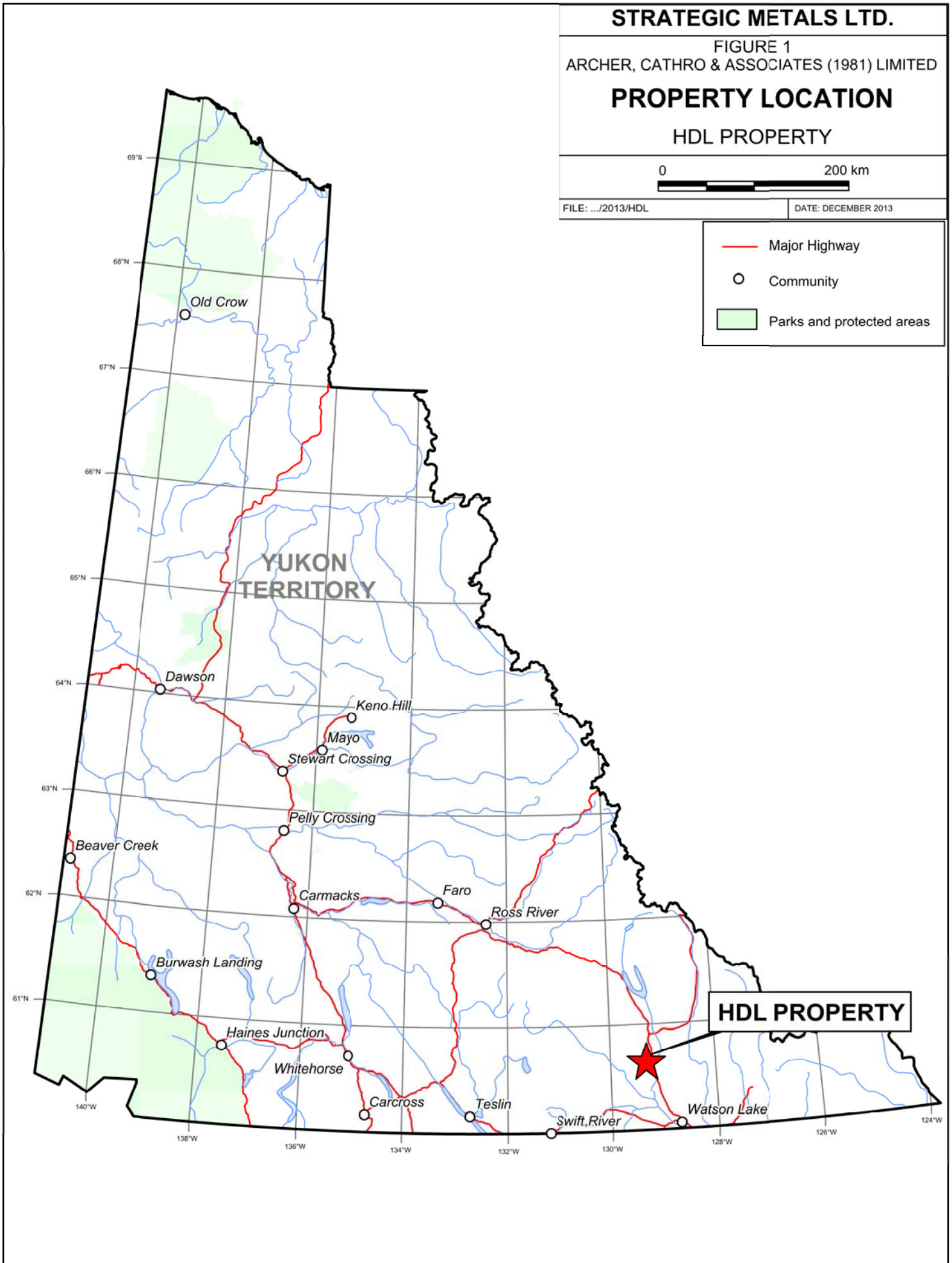
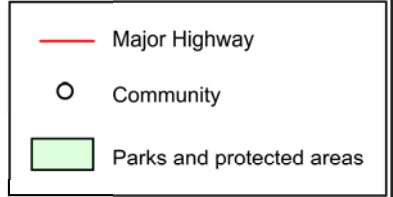
**PROPERTY LOCATION**

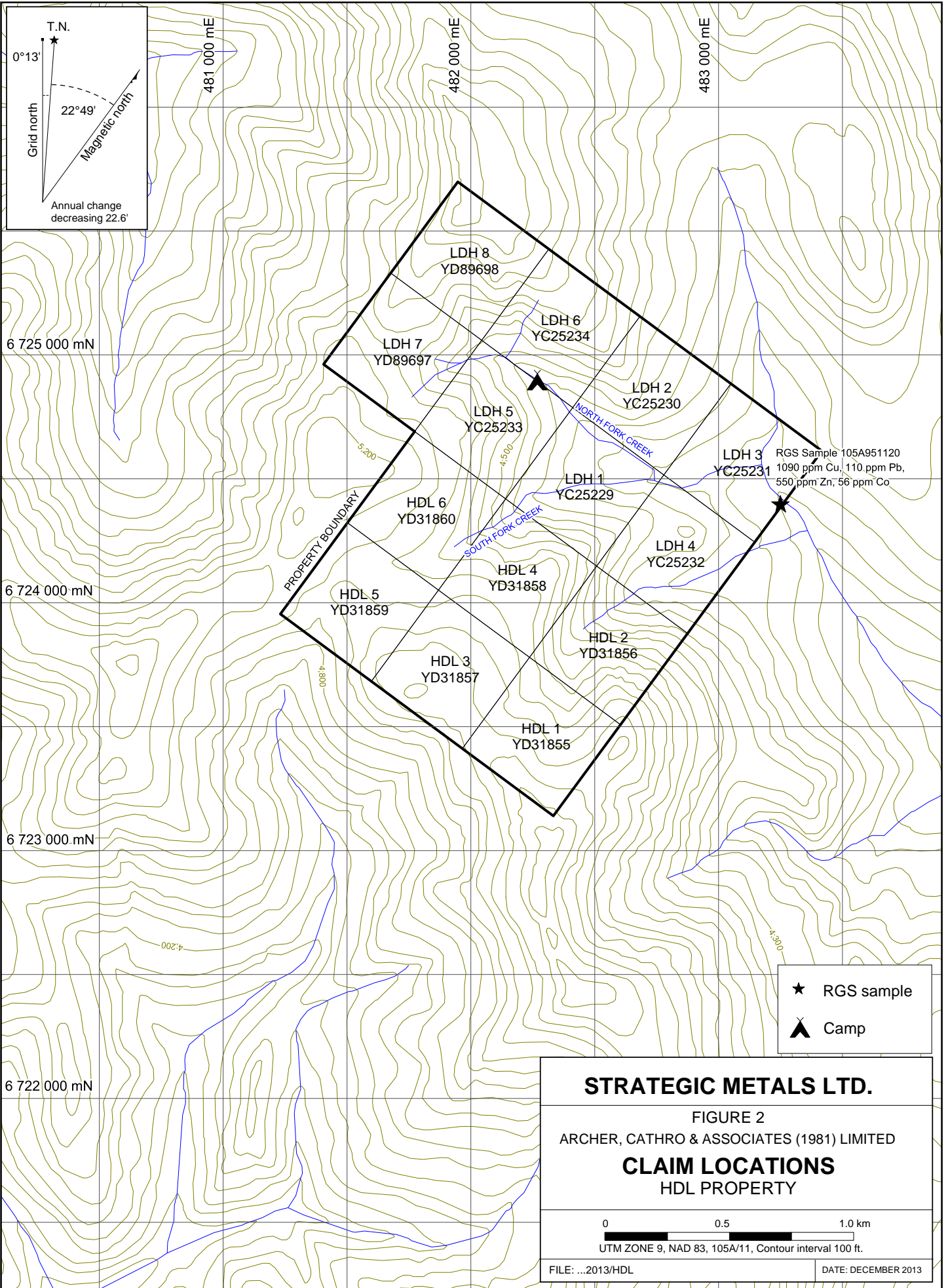
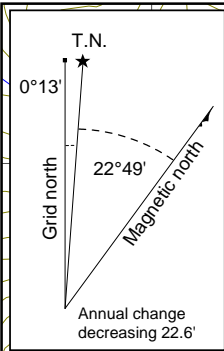
HDL PROPERTY



FILE: .../2013/HDL

DATE: DECEMBER 2013





map sheets 95D and 105A. One sample (105A951120) was collected from the downstream edge of the current HDL property (Figure 2). This sample returned 1090 ppm copper, 110 ppm lead, 550 ppm zinc and 56 ppm cobalt (Friske et al., 1996). The copper and cobalt values were the peak values from the 1995 survey, while lead and zinc values were in the 80<sup>th</sup> to 90<sup>th</sup> percentile range.

Following the GSC survey release, Cominco Ltd. staked the ML and LJL properties – covering part of the current HDL property. In 1996, Cominco conducted geological mapping, geophysical surveying and geochemical sampling. A total of 77 stream sediments samples were collected in the vicinity of the property. Five samples collected upstream from the GSC sample returned peak values of 2437 ppm copper, 110 ppm lead, 656 ppm zinc, and 99 ppm cobalt (Bohay, 1997).

In 1997, Cominco completed additional detailed geological mapping and geochemical sampling along two contour soil lines. The best soil sample yielded 384 ppm copper, 34 ppm lead, 340 ppm zinc and 37 ppm cobalt (Bannister, 1998). The claims were lapsed in 2000.

In 2004, R. Hulstein staked the LDH 1 to 8 claims to cover the likely source of the anomalous GSC and Cominco samples. In 2005, a four day exploration program comprising prospecting, reconnaissance-scale geological mapping and geochemical sampling was completed. Stream sediment samples were collected from two creeks on the property, which have arbitrarily been named North Fork and South Fork creeks (Figure 2). Silt samples from North Fork Creek yielded values up to 1340 ppm copper, 102 ppm lead and 504 ppm zinc, while the peak values from South Fork Creek were 659 ppm copper, 38 ppm lead and 656 ppm zinc. Soil sampling had subdued responses in comparison to the strongly anomalous stream sediment values. Prospecting identified a two by three metre area where ferricrete cements chert and siltstone fragments, adjacent to North Fork Creek (Hulstein, 2006).

In 2010, Strategic Metals staked the HDL 1 to 6 claims on the southwestern side of the LDH property. In 2011, it performed a one-day geochemical sampling program. Two soil samples from that program returned moderately anomalous values for copper (up to 226 ppm) from the southeastern part of the property (Chung, 2012).

In 2013, Strategic Metals purchased the LDH claims from R. Hulstein.

## **GEOMORPHOLOGY**

The HDL property lies in the southern part of the Simpson Range. It covers three deeply incised creeks that drain a broad, glacially scoured ridge in the western part of the property. Creeks draining the property ultimately connect to the Arctic Ocean via the Frances, Hyland, Liard and Mackenzie rivers.

Elevations on the property range from approximately 1220 m in the main creek valley to 1650 m atop the ridge. Topographic relief is moderate to steep. Treeline in the area is approximately 1400 m. Vegetation is thick below treeline and primarily consists of black spruce and poplar

with an understory of low shrubs and moss. Permafrost is prevalent on north-facing slopes. Outcrop occurs atop ridges, on local cliffs and along creek banks.

Much of the overburden in the area is associated with the most recent Cordilleran ice sheet, the McConnell glaciation, which is believed to have covered south and central Yukon between 26,500 and 10,000 years ago (Yukon Geological Survey, 2013).

The climate in the HDL 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.

### **REGIONAL GEOLOGY**

The HDL property is located within the Finlayson Lake District, which has been the focus of numerous government and industry sponsored studies due to its VMS potential.

The Finlayson Lake District spans a 60 by 380 km area that is located within an outlier of Yukon-Tanana (YTT) and Slide Mountain Terranes (SMT), the innermost of the accreted terranes in the Canadian Cordillera as shown on Figure 3. The district is bounded to the northeast by the Inconnu Thrust Fault and to the southwest by the Tintina Fault, a major strike-slip fault with at least 450 km of dextral displacement during Late Cretaceous to Early Tertiary (Tempelman-Kluit et al, 1977).

The pericratonic rocks of the YTT and oceanic rocks of the SMT are juxtaposed against rocks of the North American continental margin sequence along the post-Late Triassic Inconnu Thrust Fault (Murphy *et al.*, 2006). Rocks of the YTT and SMT in the Finlayson Lake District are characterized by variably deformed, lower greenschist to amphibolite facies metasedimentary and metavolcanic rocks and associated metaplutonic suites.

Prior to Late Triassic, the YTT experienced regional shortening and uplift. This terrane was imbricated with SMT after Late Triassic, and the resultant structural stack was subsequently thrust onto the North American continental margin before Mid Cretaceous (Murphy *et al.*, 2006). Two types of intrusion were emplaced in the Finlayson Lake District during or after the thrusting. The first suite includes several unmetamorphosed Early Jurassic mafic and intermediate composition plutons, while the second suite consists of Late Cretaceous two-mica quartz monzonite and granite (Mortensen and Jilson, 1985).

The GSC performed geological mapping in the vicinity of the HDL property (NTS map sheets 105A and 095D) at 1: 250,000 scale in the late 1960s (Gabrielse, 1967). In 2003, Gordey and Makepeace completed a compilation of Yukon-wide geology and updated lithological unit names in the HDL property area. The Yukon Geological Survey maintains a website showing regional-scale geological data, which is periodically updated when new information becomes available (YGS, 2013). Table I contains brief descriptions of the main lithological units in the area.



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FIGURE 3

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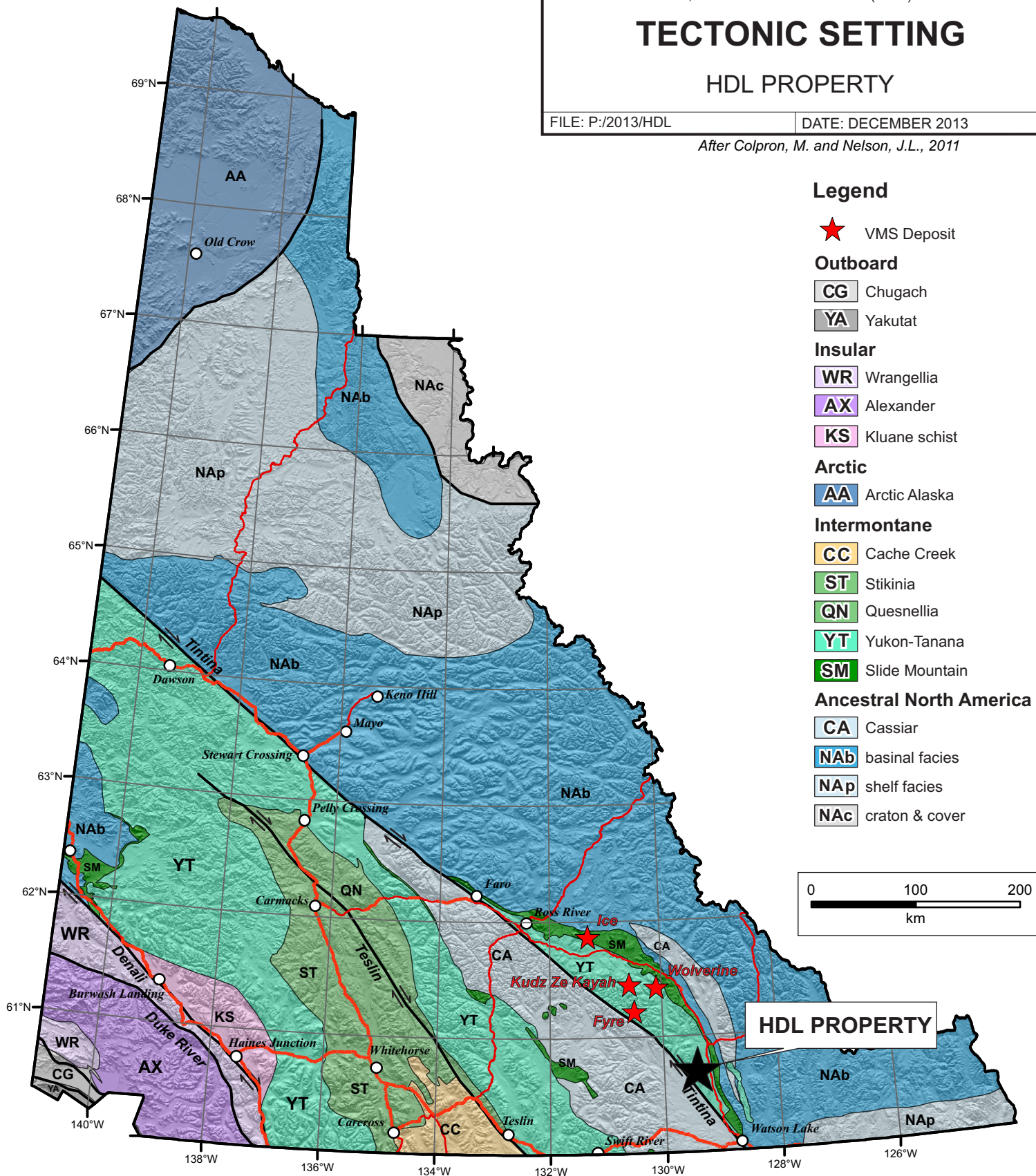
## TECTONIC SETTING

HDL PROPERTY

FILE: P:/2013/HDL

DATE: DECEMBER 2013

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



### Legend

★ VMS Deposit

#### Outboard

CG Chugach

YA Yakutat

#### Insular

WR Wrangellia

AX Alexander

KS Kluane schist

#### Arctic

AA Arctic Alaska

#### Intermontane

CC Cache Creek

ST Stikinia

QN Quesnellia

YT Yukon-Tanana

SM Slide Mountain

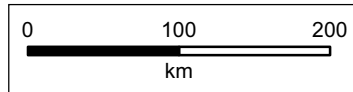
#### Ancestral North America

CA Cassiar

NAb basinal facies

NAp shelf facies

NAc craton & cover



**HDL PROPERTY**

**Table I - Regional Lithological Units (after Gordey and Makepeace, 2003)**

Unit Name	Age	Map Name	Description
Quaternary	Quaternary	Q	Unconsolidated glacial, glaciofluvial and glaciolacustrine deposits. Fluvial silt, sand and gravel and local volcanic ash, in part with cover of soil and organic deposits.
Anvil Formation	Carboniferous and Permian	CPA	Dominantly oceanic assemblage of mafic volcanics, ultramafics, chert and pelite, limestone and gabbroic rocks.
		CPA2	Interbedded jasper-red and apple-green chert and cherty tuff with partings or interbeds of phyllite and tuffaceous argillite. Chert breccia, shale, minor greenstone, agglomerate, limestone, quartzite(?) and greywacke.
		CPA3	Light grey to buff weathering, massive fine crystalline, light to dark grey limestone and minor dolomite; light grey, massive, crinoidal limestone; limestone and polymictic conglomerate; sandy limestone, cherty limestone; marble, phyllite and meta-siltstone.

The YGS mapping shows that the HDL property area is underlain by undifferentiated package of Anvil Formation rocks (CPA2 and CPA3); however, more detailed mapping completed by Cominco in 1996 provides a better understanding of the geology in the area (Figure 4).

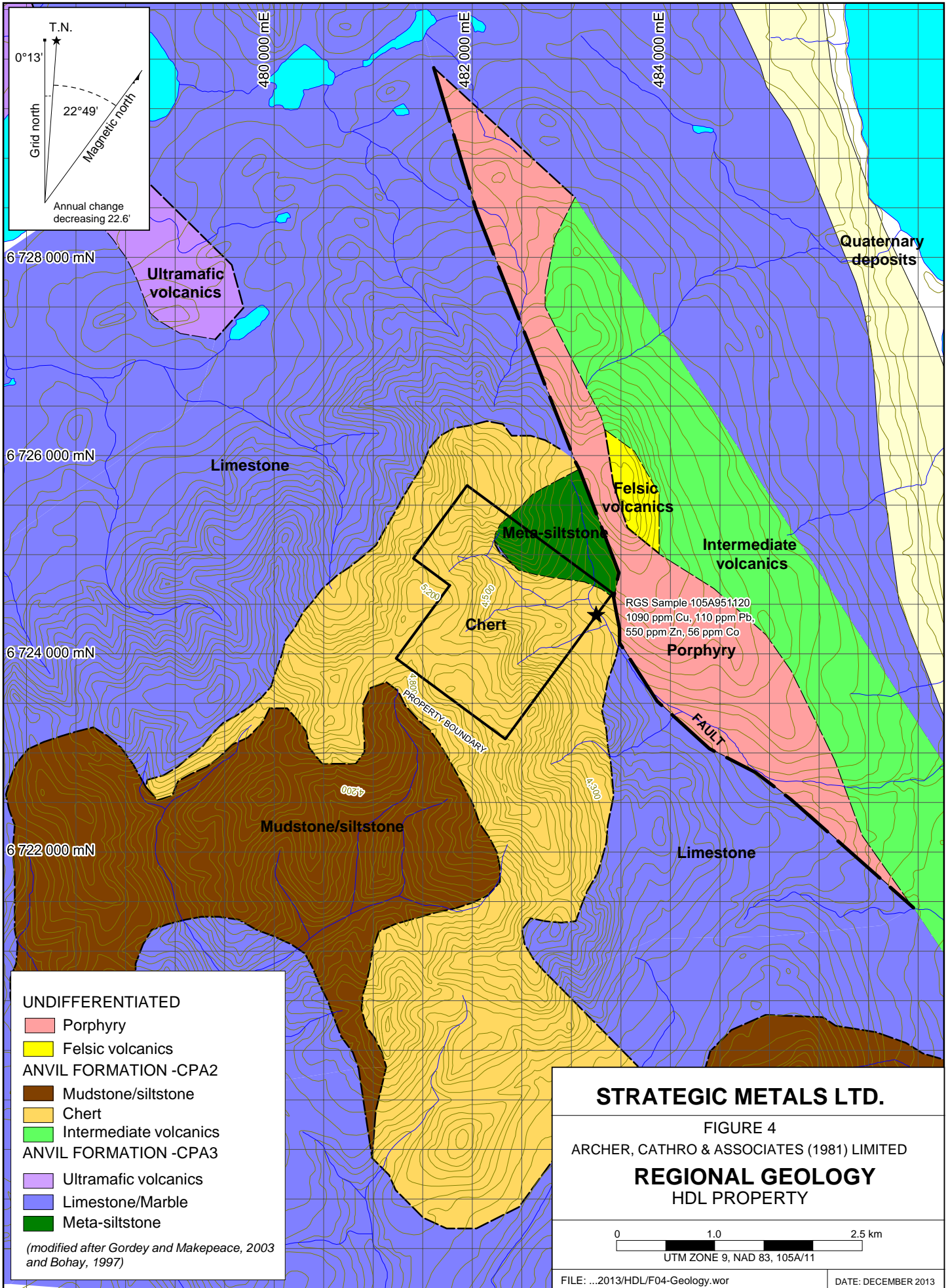
The HDL area is underlain by CPA3 ultramafic sills (?), limestone/marble and meta-siltstone, which are overlain by CPA2 mudstone, siltstone, chert and intermediate volcanics. A north-northwest-trending fault cuts the area immediately east of the HDL property. An undated porphyry has intruded along the fault and forms an elongated body that separates meta-siltstone (to the west) from younger intermediate volcanics (to the east).

### **PROPERTY GEOLOGY**

In 2013, property-scale mapping was done in the northern part of the property, upstream from the anomalous GSC stream sediment sample. Detailed descriptions of property lithological units are given in Table II.

**Table II - Property Lithological Units**

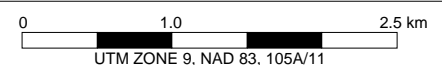
Regional Unit	Property Unit	Description
Undifferentiated	Quartz porphyry dyke	Light green, quartz and calcite-filled 1 to 15 mm rounded amygdules within an aphanitic groundmass; cut by quartz-calcite veinlets containing pyrite and galena.
Anvil Formation CPA2	Chert-rich breccia	Limonite coated, grey and white breccia. Clasts consist of angular to sub-angular, white and grey chert ranging from 5 to 11 cm in diameter. Clast supported breccia with chert matrix.



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FIGURE 4  
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**REGIONAL GEOLOGY**  
 HDL PROPERTY



UTM ZONE 9, NAD 83, 105A/11

(modified after Gordey and Makepeace, 2003 and Bohay, 1997)

	Mudstone/phyllite	Dark grey, very fine grained friable mudstone, with local phyllite.
	Chert	Green, grey and white chert, often limonite coated.
Anvil Formation CPA3	Marble	White-grey with black laminations.
	Meta-siltstone	Grey-green, thin laminated siltstone.

The area mapped in 2013 is floored by meta-siltstone, which outcrops near the eastern property boundary (Figure 5). West of these outcrops, a narrow reef-like band of marble occurs. Farther west, there is a thick section consisting of interbedded chert and mudstone, with a distinctive chert breccia outcropping south of North Fork Creek. The breccia has not been mapped north of the creek; and therefore, the creek likely represents a fault.

Two quartz porphyry dykes cut chert and mudstone beds. One occurs immediately north of the North Fork Creek, while the other lies about 250 m to the south along a steep hillside.

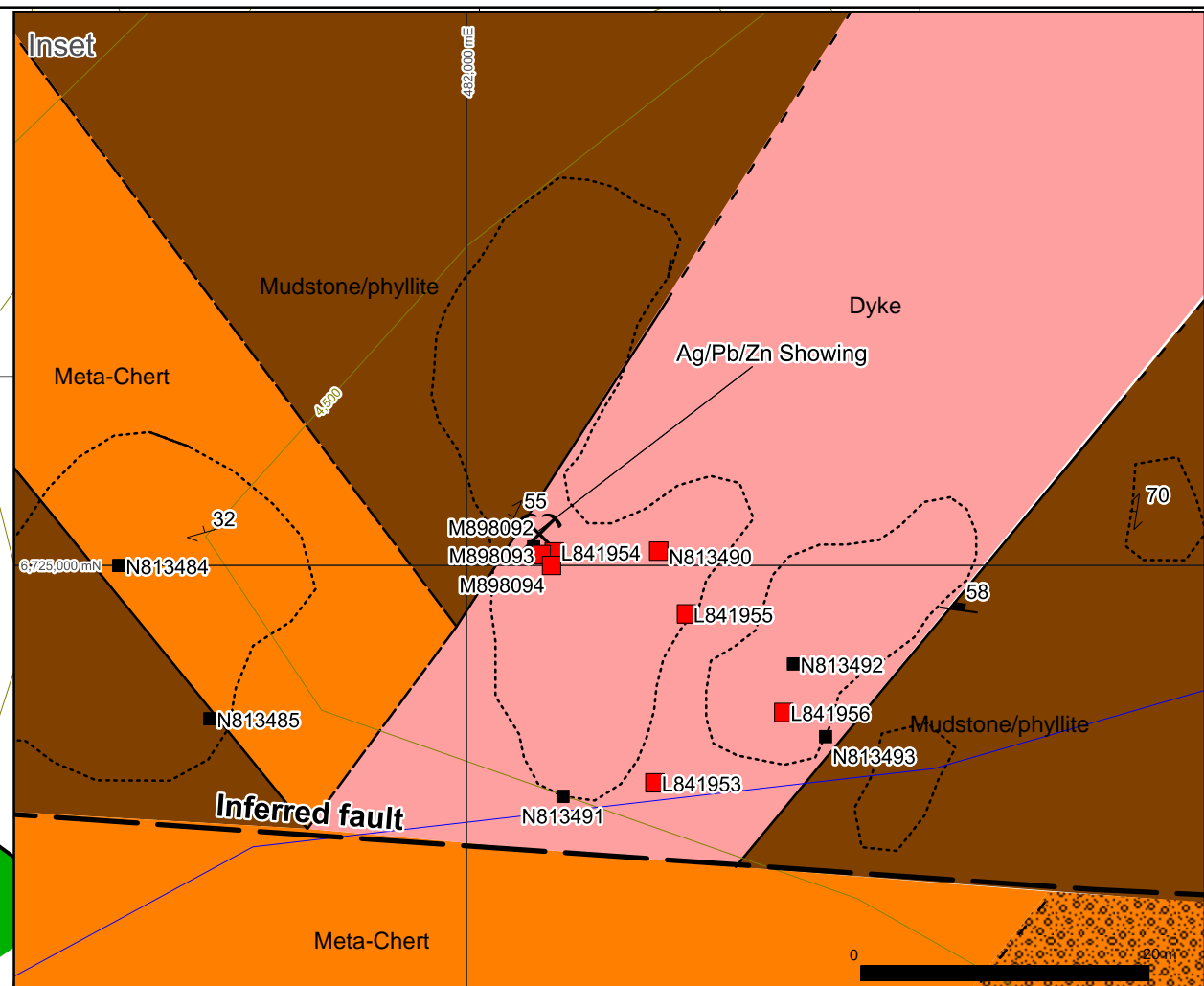
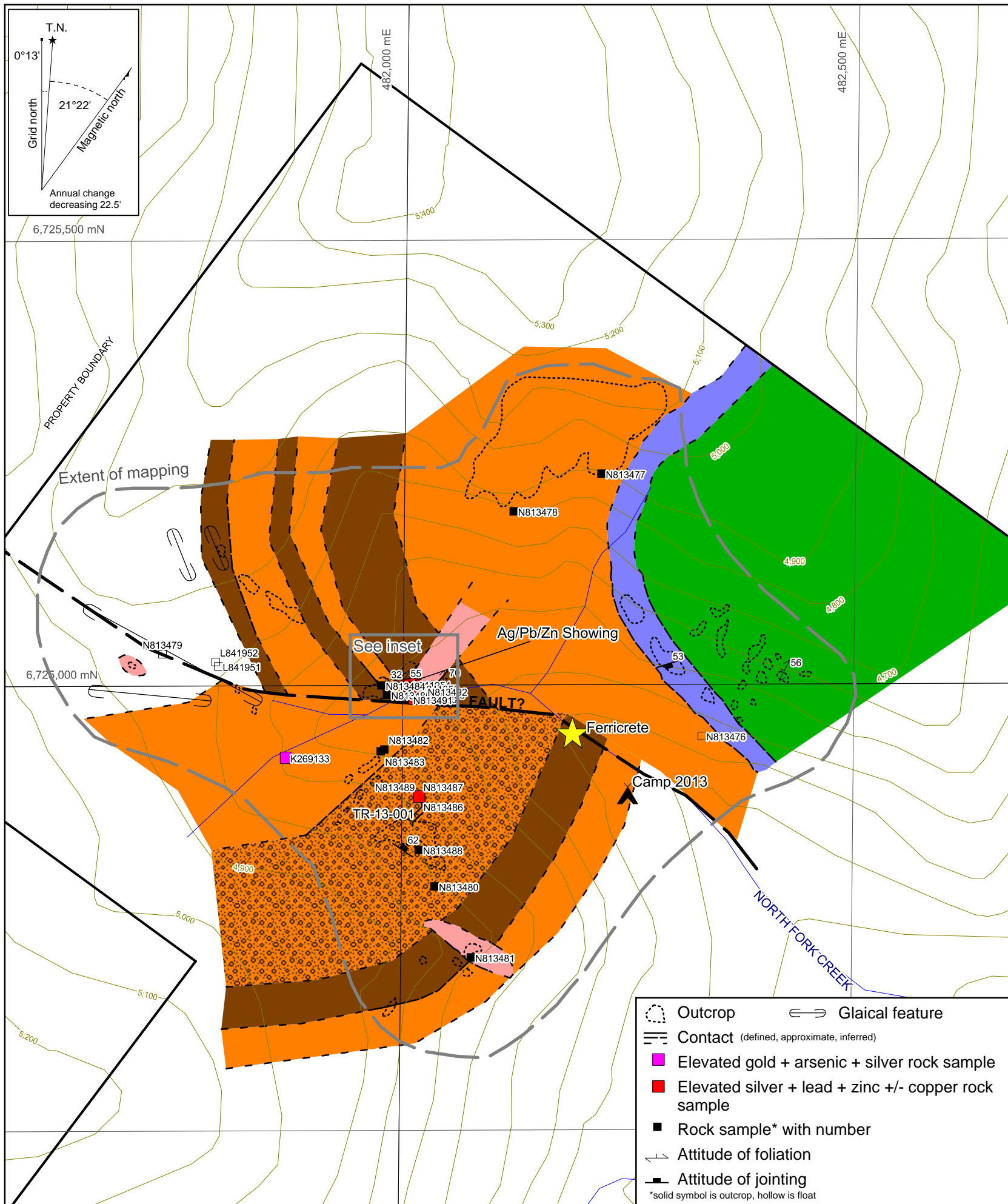
### **MINERALIZATION**

Historically, a small ferricrete zone was identified on North Fork Creek upstream from the GSC stream sediment sample, but downstream from some of the strongly anomalous values from later sampling. Rock samples of the ferricrete returned low values for elements of interest.

Upstream from the ferricrete, the bed of North Fork Creek has a thin limonite coating. This iron precipitate is localized downstream of a marble bed, which likely neutralizes acidic waters caused by oxidizing sulphide mineralization further upstream.

In 2013, a total of 28 rock samples were collected in the northern part of the property to try and determine the source of the strongly anomalous silt values (Figure 5). Rock sample sites were marked with flagging and recorded with hand-held GPS units. Rock samples were sent to ALS Minerals in Whitehorse where they were dried and fine crushed to better than 70% passing 2 mm before a 250 g split was pulverized to better than 85% passing 75 microns. The fine fractions were then sent to ALS Minerals in North Vancouver, where they were analysed for 48 elements using a four acid digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS61). An additional 30 g charge from each fine fraction was further analysed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21). Certificates of Analysis are provided in Appendix III and Rock Sample Descriptions are given in Appendix IV.

Two styles of mineralization (silver-lead-zinc and gold-arsenic-silver) were discovered during prospecting. The silver-lead-zinc showing comprises disseminated to blebby pyrite and galena within the quartz porphyry dyke adjacent to North Fork Creek. This dyke has either undergone minor shearing or exhibits primary flow textures. The sulphides occur in quartz-carbonate veinlets and as rims around quartz-calcite amygdules(?) or clasts (Plate 1). The best mineralization occurs near the upslope edge of the dyke exposure, adjacent to limonitic mudstone. A specimen sample from that site returned 6.67 ppm silver, 5980 ppm lead and 1200 ppm zinc, while a chip sample yielded 3.77 ppm silver, 2470 ppm lead and 559 ppm zinc over four metres. Downstream from the silver-lead-zinc showing the water in North Fork Creek



Sample No	Sample Interval (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
K269133	Specimen sample	229	2.76	65	160	25
L841953	Specimen sample	15	4.22	22	460	859
L841954	Specimen sample	22	6.67	157	5980	1220
L841955	Specimen sample	1	2.61	18	1625	1210
L841956	Specimen sample	2	2.63	17	1525	737
M898093	4.0 m	17	3.77	65	2470	559
M898094	0.8 m	17	1.03	27	208	617
N813486	1.5 m	3	0.16	50	108	199
N813487	1.5 m	6	0.16	61	177	282
N813490	3.5 m	4	1.63	16	710	772

- Outcrop
  - Contact (defined, approximate, inferred)
  - Elevated gold + arsenic + silver rock sample
  - Elevated silver + lead + zinc +/- copper rock sample
  - Rock sample\* with number
  - Attitude of foliation
  - Attitude of jointing
  - Glaical feature
- \*solid symbol is outcrop, hollow is float

- UNDIFFERENTIATED
- Quartz-porphry felsic dyke
- ANVIL FORMATION -CPA2
- Chert breccia
- Mudstone
- Chert
- ANVIL FORMATION -CPA3
- Marble
- Meta-siltstone

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FIGURE 5  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**PROPERTY GEOLOGY, MINERALIZATION  
AND ROCK SAMPLE LOCATIONS**  
HDL PROPERTY

0 50 200 m  
UTM ZONE 9, NAD 83, 105A/11, Contour intervals: 100 ft

FILE: ...2013/HDL DATE: DECEMBER 2013

is milky, likely due to suspended iron sulphate, until iron oxide is deposited downstream of the marble bed.

The gold-arsenic-silver mineralization is hosted within grey chert (Plate 2) that has only been observed in float. It comprises heavily disseminated and fracture controlled pyrite, a sample of which yielded 229 ppb gold, 585 ppm arsenic and 2.76 ppm silver.



Plate 1. Galena and pyrite in quartz-porphry felsic dyke



Plate 2. Pitted pyrite in grey chert

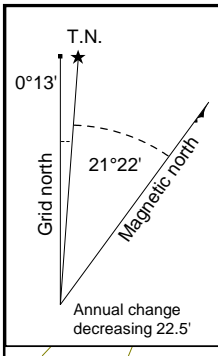
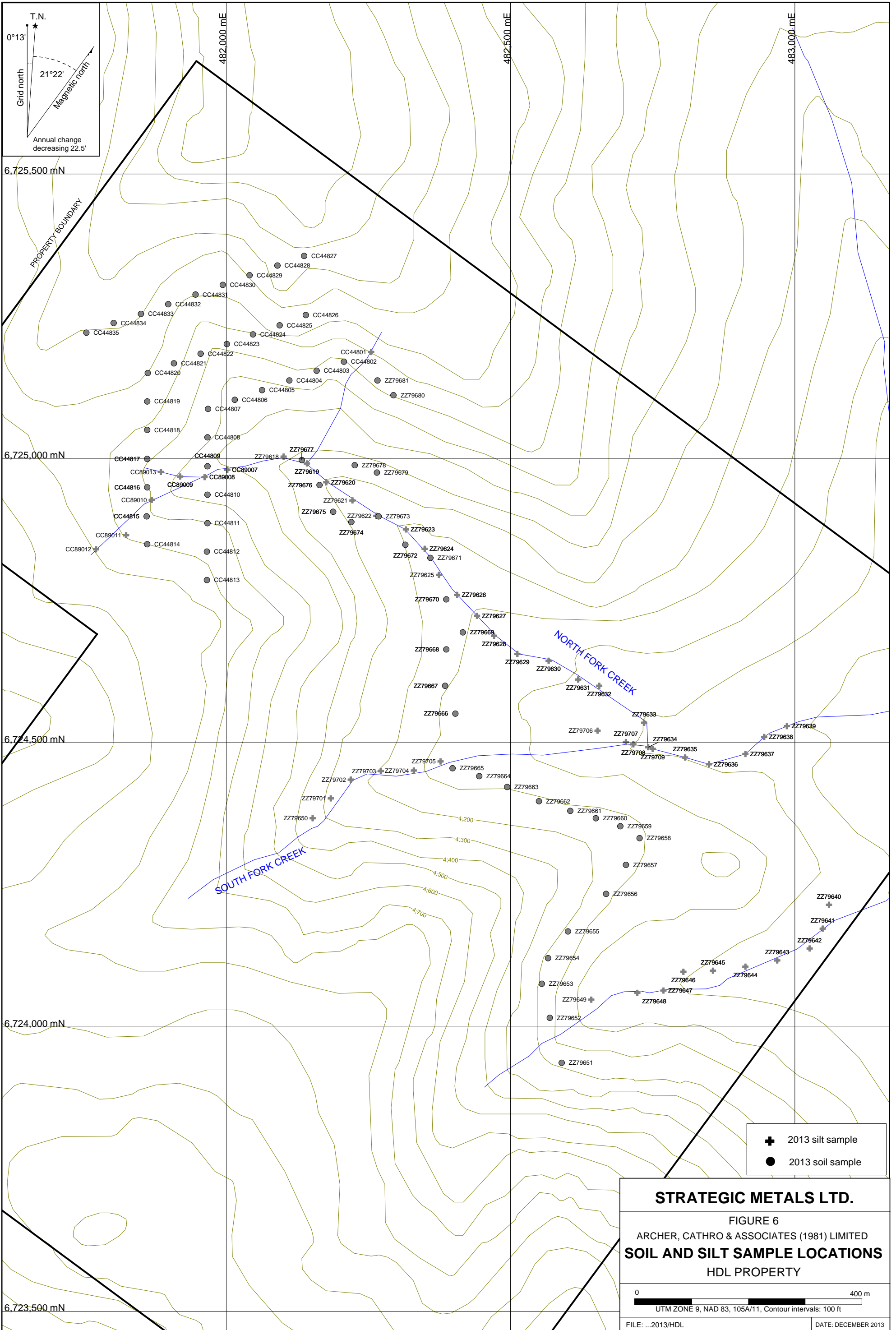
In 2013, one hand trench (TR-13-001) was dug into the floor of a recessive linear feature on the south side of North Fork Creek, 150 m uphill from the silver-lead-zinc showing. Bedrock was not encountered during trenching, but a grab sample of mudstone from soil within the trench yielded weakly elevated lead (177 ppm) and zinc (282 ppm) values.

### **SOIL GEOCHEMISTRY**

In 2013, a total of 65 soil samples and 50 silt samples were collected from the property. The soil samples were taken on four contour lines at 50 m spacings, while the silt samples were spaced 20 to 60 m apart. Sample locations and results for copper, gold, arsenic, silver, barium, lead, zinc and cobalt from all surveys are illustrated on Figures 6 through 14, respectively.

Soil samples were collected from 30 to 50 cm deep holes dug by hand-held auger, while the silt sample was collected by hand from the beds of active creeks. All samples were placed into individually pre-numbered Kraft paper bags. Soil 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. Silt sample sites were marked with flagging labeled with the sample number. Sample locations were recorded using hand-held GPS units.

Soil and silt samples were sent to ALS Minerals in Whitehorse where they were dried and screened to -180 microns. The fine fractions were then sent to ALS Minerals in North Vancouver, where they were analyzed for 48 elements using four acid digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS61). An additional 30 g charge from each fine fraction was further analyzed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21). Certificates of Analysis are provided in Appendix III.

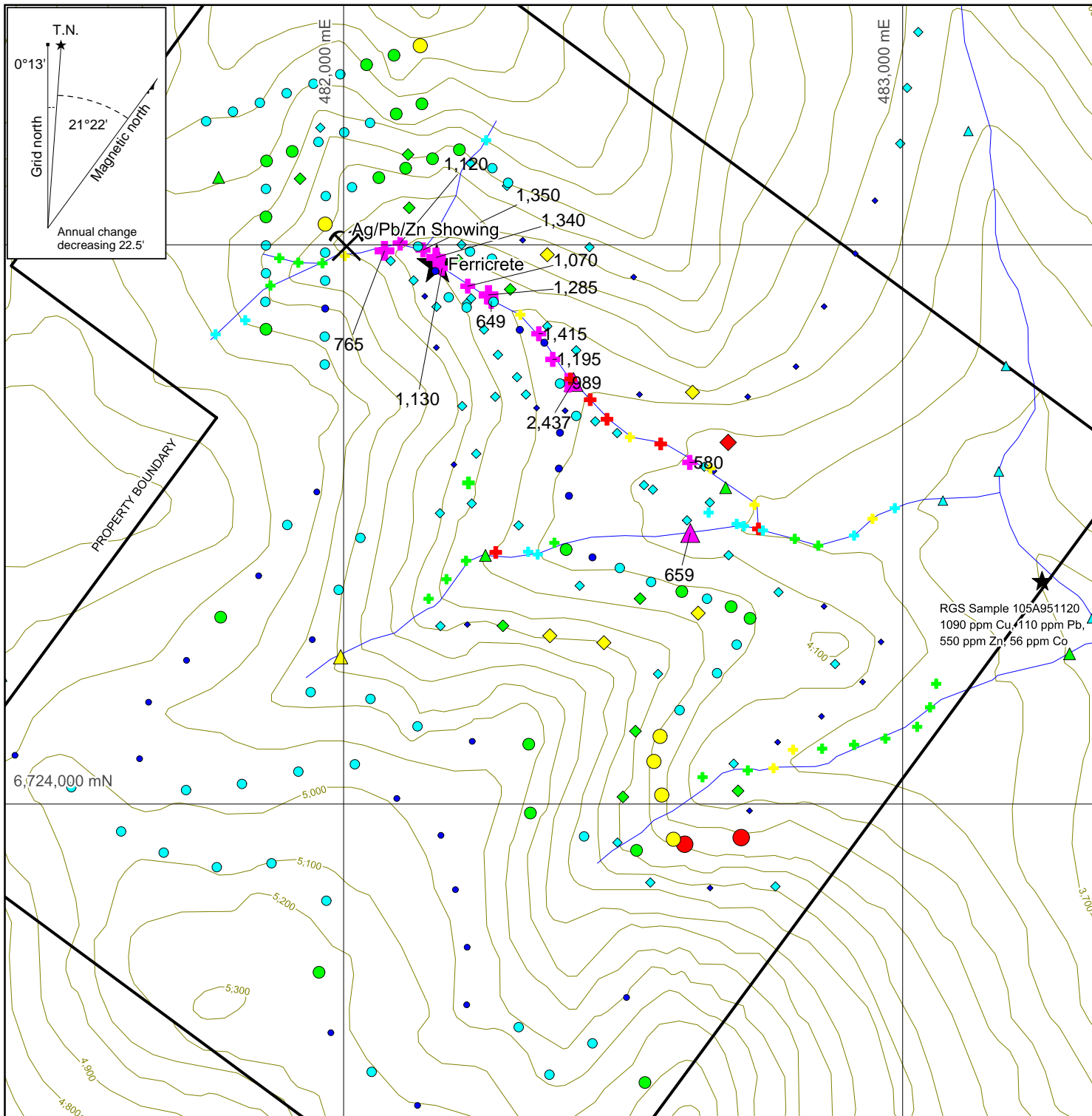


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FIGURE 6  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**SOIL AND SILT SAMPLE LOCATIONS**  
HDL PROPERTY

0 400 m  
UTM ZONE 9, NAD 83, 105A/11, Contour intervals: 100 ft

FILE: ...2013/HDL DATE: DECEMBER 2013



RGS Sample 105A951120  
 1090 ppm Cu, 110 ppm Pb,  
 550 ppm Zn, 56 ppm Co

2011 & 2013 Cu-in-soil (ppm)	2013 Cu-in-silt (ppm)
● $\geq 200 < 246$	✚ $\geq 500 < 1,420$
● $\geq 100 < 200$	✚ $\geq 200 < 500$
● $\geq 50 < 100$	✚ $\geq 100 < 200$
● $\geq 20 < 50$	✚ $\geq 50 < 100$
● $0 < 20$	✚ $\geq 20 < 50$
	✚ $0 < 20$
Historical Cu-in-soil ppm	Historical Cu-in-silt (ppm)
◆ $\geq 200 \leq 384$	▲ $\geq 500 < 2437$
◆ $\geq 100 < 200$	▲ $\geq 200 < 500$
◆ $\geq 50 < 100$	▲ $\geq 100 < 200$
◆ $\geq 20 < 50$	▲ $\geq 50 < 100$
◆ $0 < 20$	▲ $\geq 20 < 50$
	▲ $0 < 20$

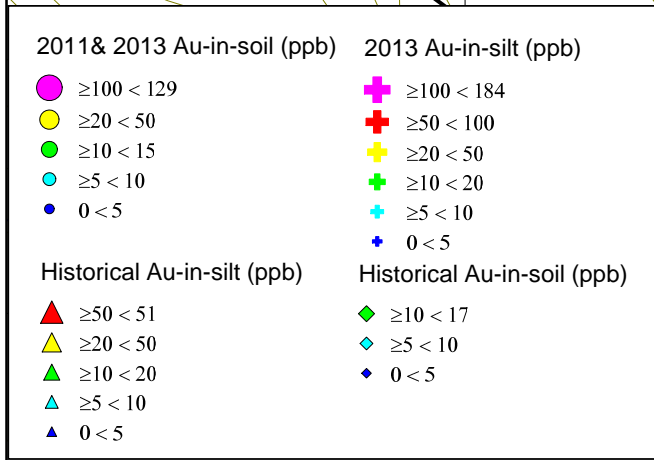
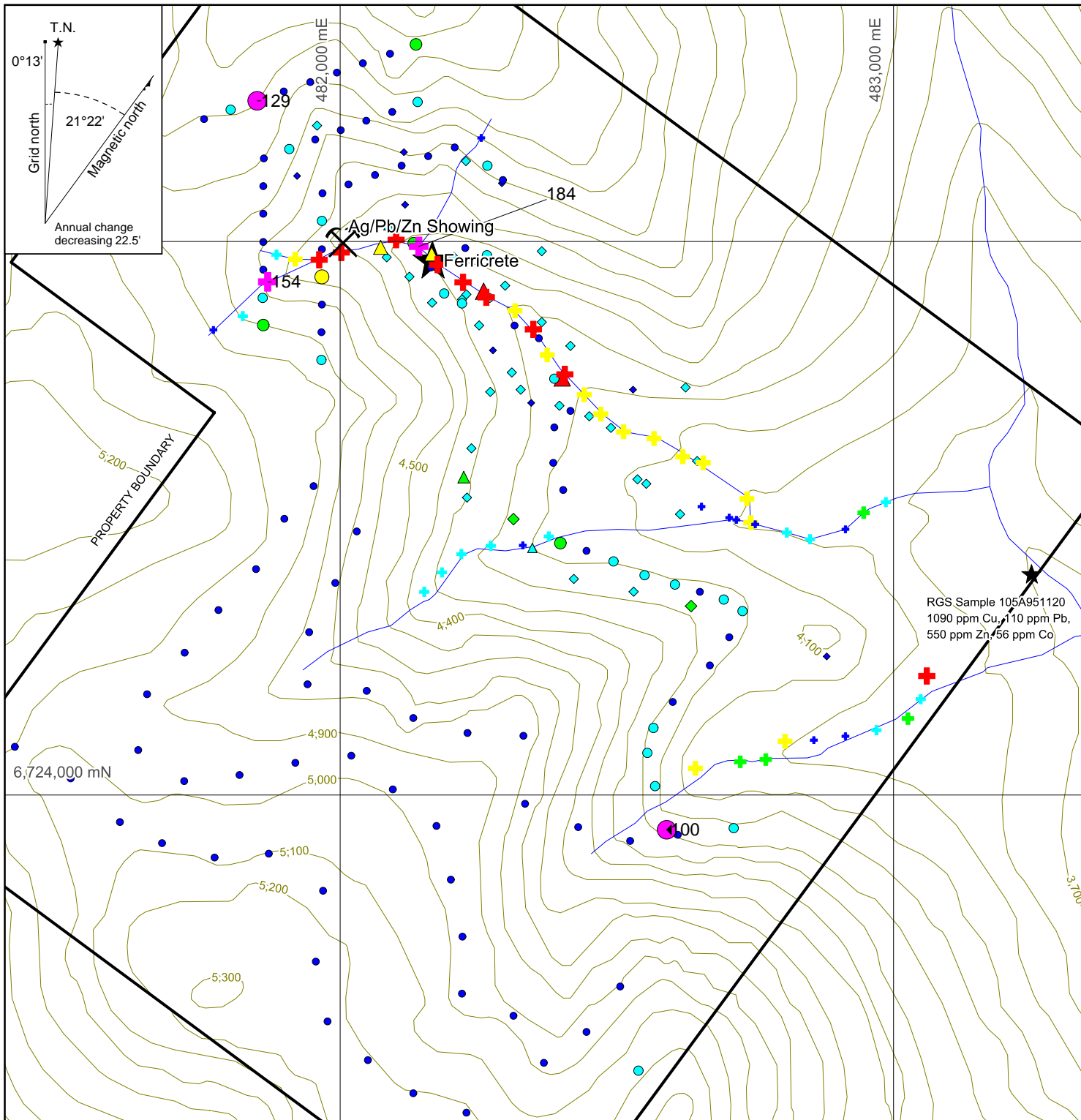
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FIGURE 7  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**COPPER GEOCHEMISTRY**  
 HDL PROPERTY

0 100 400 m  
 UTM ZONE 9, NAD 83, 105A/11, Contour intervals: 100 ft

FILE: ...2013/HDL DATE: DECEMBER 2013





**STRATEGIC METALS LTD.**

FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

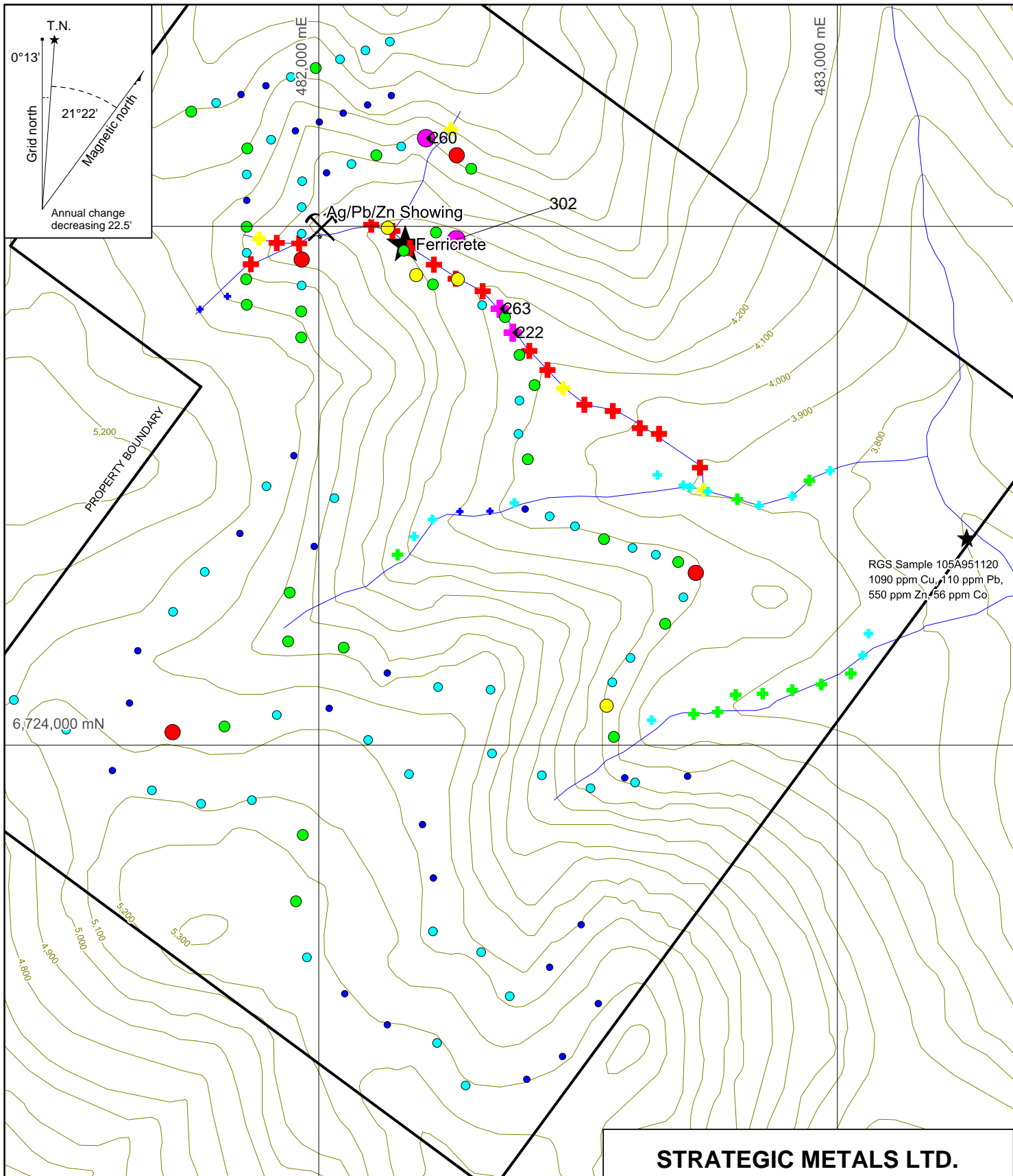
**GOLD GEOCHEMISTRY**

HDL PROPERTY

0 100 400 m

UTM ZONE 9, NAD 83, 105A/11, Contour intervals: 100 ft

FILE: ...2013/HDL DATE: DECEMBER2013



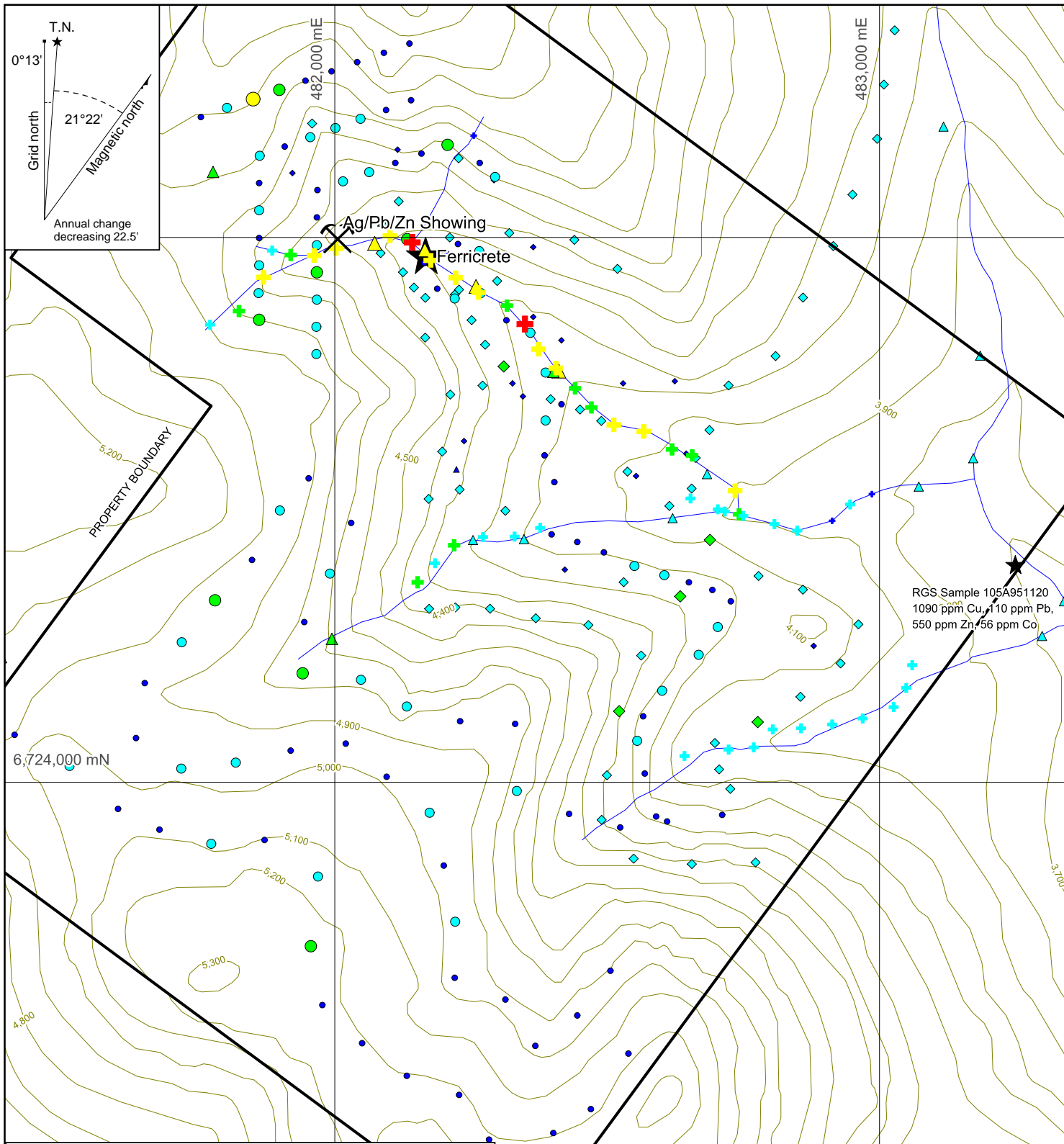
2011 & 2013 As-in-soil (ppm)	2013 As-in-silt (ppm)
● $\geq 200 < 302$	✚ $\geq 200 < 263$
● $\geq 100 < 200$	✚ $\geq 100 < 200$
● $\geq 50 < 100$	✚ $\geq 50 < 100$
● $\geq 20 < 50$	✚ $\geq 20 < 50$
● $\geq 10 < 20$	✚ $\geq 10 < 20$
● $0 < 10$	✚ $0 < 10$

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FIGURE 9  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ARSENIC GEOCHEMISTRY**  
 HDL PROPERTY

0 100 400 m  
 UTM ZONE 9, NAD 83, 105A/11, Contour intervals: 100 ft

FILE: ...2013/HDL DATE: DECEMBER 2013



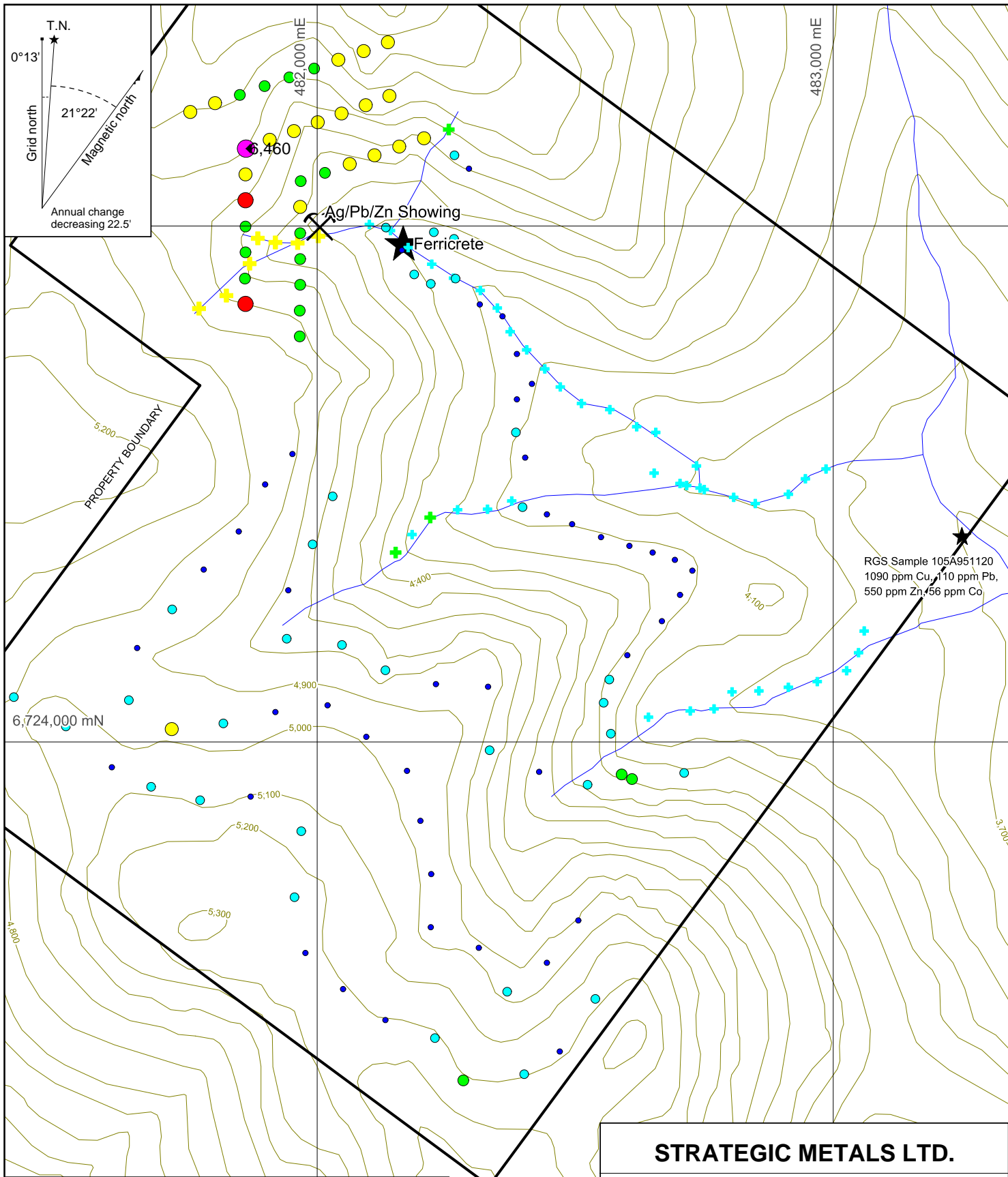
<p><b>2011 &amp; 2013 Ag-in-soil (ppm)</b></p> <ul style="list-style-type: none"> <li>● <math>\geq 1 &lt; 1.05</math></li> <li>● <math>\geq 0.5 &lt; 1</math></li> <li>● <math>\geq 0.2 &lt; 0.5</math></li> <li>● <math>0 &lt; 0.2</math></li> </ul> <p><b>Historical Ag-in-soil (ppm)</b></p> <ul style="list-style-type: none"> <li>◆ <math>\geq 1 &lt; 1.4</math></li> <li>◆ <math>\geq 0.5 &lt; 1</math></li> <li>◆ <math>\geq 0.2 &lt; 0.5</math></li> <li>◆ <math>0 &lt; 0.2</math></li> </ul>	<p><b>2013 Ag-in-silt (ppm)</b></p> <ul style="list-style-type: none"> <li>✚ <math>2 &lt; 2.46</math></li> <li>✚ <math>\geq 1 &lt; 2</math></li> <li>✚ <math>\geq 0.5 &lt; 1</math></li> <li>✚ <math>\geq 0.2 &lt; 0.5</math></li> <li>✚ <math>0 &lt; 0.2</math></li> </ul> <p><b>Historical Ag-in-silt (ppm)</b></p> <ul style="list-style-type: none"> <li>▲ <math>\geq 1 &lt; 1.4</math></li> <li>▲ <math>\geq 0.5 &lt; 1</math></li> <li>▲ <math>\geq 0.2 &lt; 0.5</math></li> <li>▲ <math>0 &lt; 0.2</math></li> </ul>
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**STRATEGIC METALS LTD.**

FIGURE 10  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**SILVER GEOCHEMISTRY**  
 HDL PROPERTY

0 100 400 m  
 UTM ZONE 9, NAD 83, 105A/11, Contour intervals: 100 ft

FILE: ...2013/HDL DATE: DECEMBER 2013



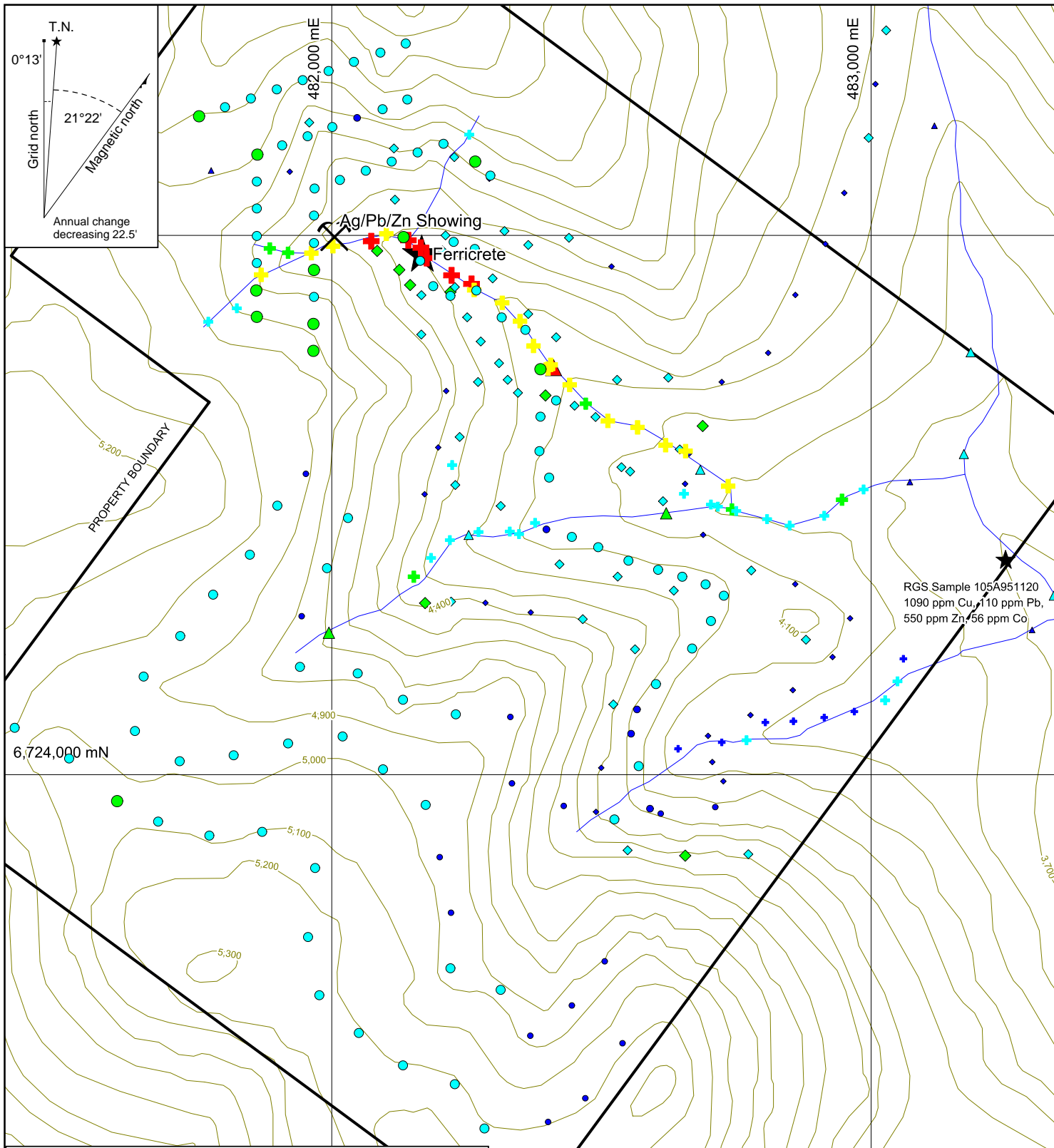
RGS Sample 105A951120  
 1090 ppm Cu, 110 ppm Pb,  
 550 ppm Zn, 56 ppm Co

2011 & 2013 Ba-in-soil (ppm)	2013 Ba-in-silt (ppm)
● $\geq 5,000 < 6,460$	● $\geq 1,000 < 1,150$
● $\geq 2,000 < 5,000$	● $\geq 500 < 1,000$
● $\geq 1,000 < 2,000$	● $\geq 200 < 500$
● $\geq 500 < 1,000$	● $0 < 200$
● $\geq 200 < 500$	
● $0 < 200$	

**STRATEGIC METALS LTD.**

FIGURE 11  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**BARIUM GEOCHEMISTRY**  
 HDL PROPERTY

0 100 400 m  
 UTM ZONE 9, NAD 83, 105A/11, Contour intervals: 100 ft



<b>2011&amp; 2013 Pb-in-soil (ppm)</b>	<b>Historical Pb-in-soil (ppm)</b>
● $\geq 20 < 46.1$	◆ $\geq 20 \leq 43$
● $\geq 10 < 20$	◆ $\geq 10 < 20$
● $0 < 10$	◆ $0 < 10$
<b>2013 Pb-in-silt (ppm)</b>	<b>Historical Pb-in-silt (ppm)</b>
✚ $\geq 100 < 118$	▲ $\geq 100 \leq 110$
✚ $\geq 50 < 100$	▲ $\geq 50 < 100$
✚ $\geq 20 < 50$	▲ $\geq 20 < 50$
✚ $\geq 10 < 20$	▲ $\geq 10 < 20$
✚ $0 < 10$	▲ $0 < 10$

**STRATEGIC METALS LTD.**

FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

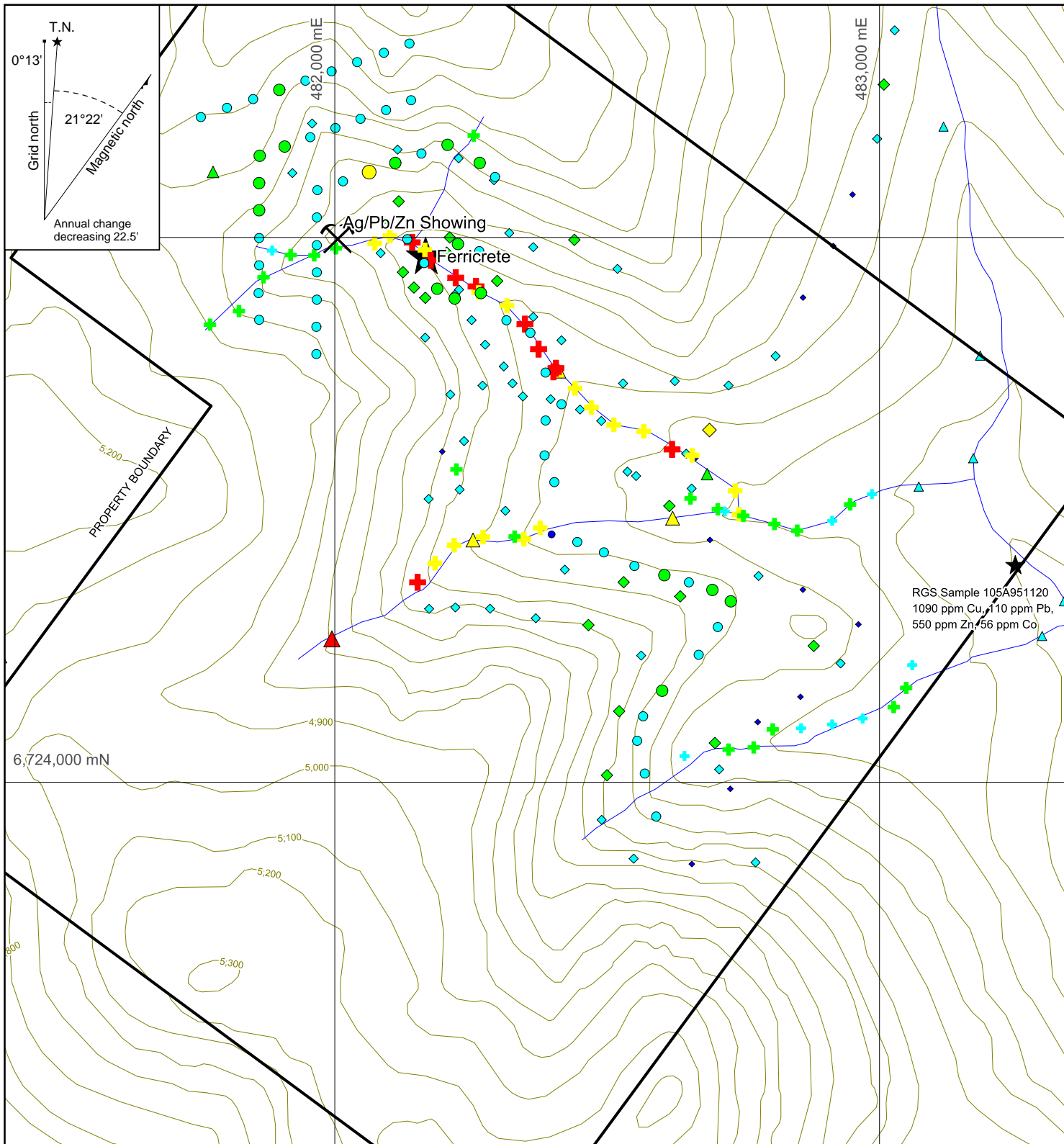
**LEAD GEOCHEMISTRY**

HDL PROPERTY

0 100 400 m

UTM ZONE 9, NAD 83, 105A/11, Contour intervals: 100 ft

FILE: ...2013/HDL DATE: DECEMBER 2013



RGS Sample 105A951120  
 1090 ppm Cu, 110 ppm Pb,  
 550 ppm Zn, 56 ppm Co

<b>2011 &amp; 2013 Zn-in-soil (ppm)</b> <ul style="list-style-type: none"> <li>● <math>\geq 100 &lt; 164</math></li> <li>● <math>\geq 50 &lt; 100</math></li> <li>● <math>0 &lt; 50</math></li> </ul>	<b>Historical Zn-in-soil (ppm)</b> <ul style="list-style-type: none"> <li>◆ <math>\geq 200 \leq 340</math></li> <li>◆ <math>\geq 100 &lt; 200</math></li> <li>◆ <math>\geq 50 &lt; 100</math></li> <li>◆ <math>0 &lt; 50</math></li> </ul>
<b>2013 Zn-in-silt (ppm)</b> <ul style="list-style-type: none"> <li>✚ <math>\geq 500 &lt; 844</math></li> <li>✚ <math>\geq 200 &lt; 500</math></li> <li>✚ <math>\geq 100 &lt; 200</math></li> <li>✚ <math>\geq 50 &lt; 100</math></li> </ul>	<b>Historical Zn-in-silt (ppm)</b> <ul style="list-style-type: none"> <li>▲ <math>\geq 500 \leq 656</math></li> <li>▲ <math>\geq 200 &lt; 500</math></li> <li>▲ <math>\geq 100 &lt; 200</math></li> <li>▲ <math>\geq 50 &lt; 100</math></li> <li>▲ <math>0 &lt; 50</math></li> </ul>

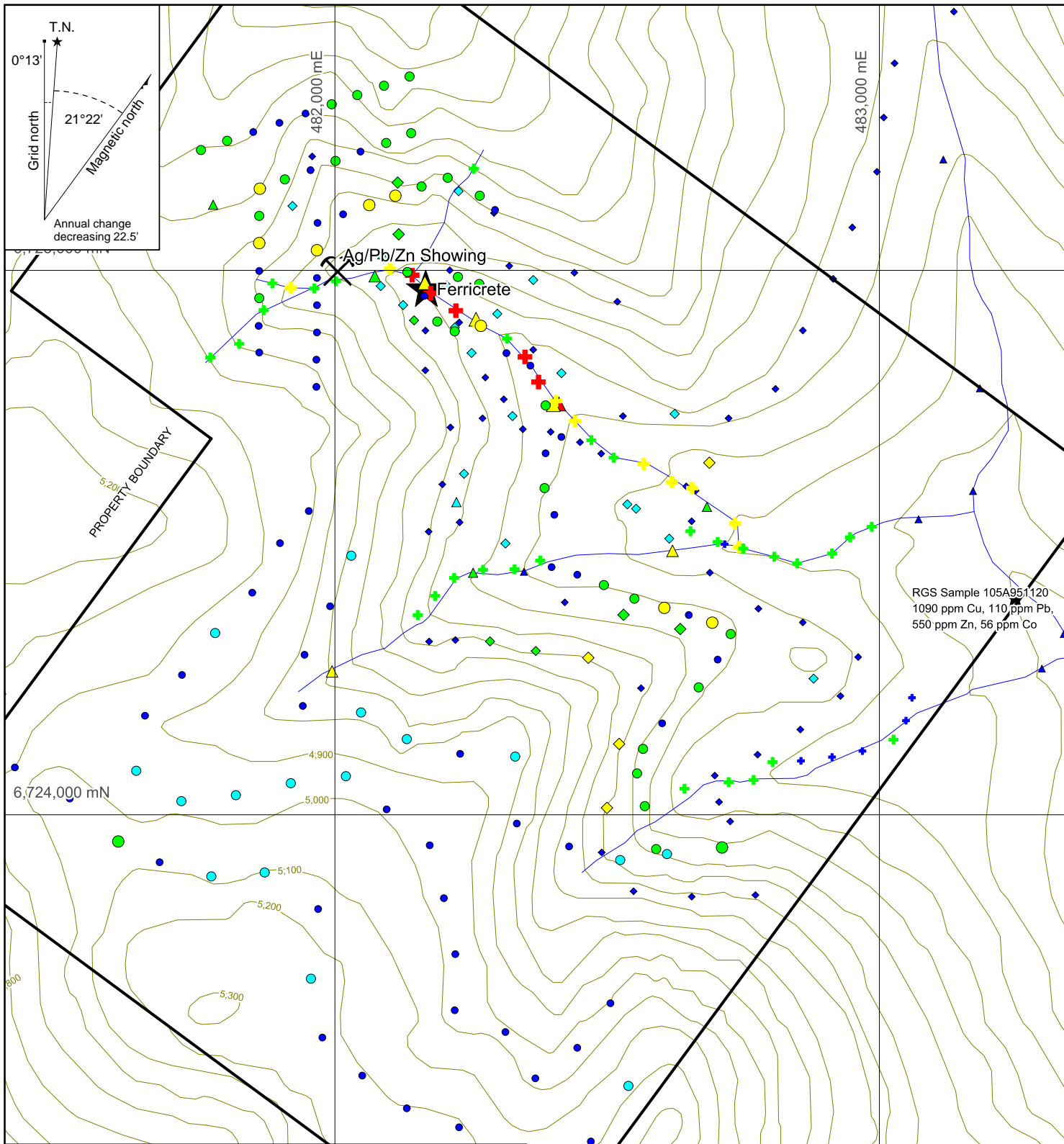
**STRATEGIC METALS LTD.**

FIGURE 13  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ZINC GEOCHEMISTRY**  
 HDL PROPERTY

0      100      400 m

UTM ZONE 9, NAD 83, 105A/11, Contour intervals: 100 ft

FILE: ...2013/HDL      DATE: DECEMBER 2013



RGS Sample 105A951120  
 1090 ppm Cu, 110 ppm Pb,  
 550 ppm Zn, 56 ppm Co

<b>2011 &amp; 2013 Co-in-soil (ppm)</b> ● $\geq 20 < 37$ ● $\geq 10 < 20$ ● $< 10$	<b>Historical Co-in-soil (ppm)</b> ◆ $\geq 20 < 37$ ◆ $\geq 10 < 20$ ◆ $\geq 0 < 10$
<b>2013 Co-in-silt (ppm)</b> + $\geq 50 < 97$ + $\geq 20 < 50$ + $\geq 10 < 20$ + $\geq 0 < 10$	<b>Historical Co-in-silt (ppm)</b> ▲ 50 < 100 ▲ 20 < 50 ▲ 10 < 20 ▲ 0 < 10

**STRATEGIC METALS LTD.**

FIGURE 14  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**COBALT GEOCHEMISTRY**  
 HDL PROPERTY

0 100 400 m  
 UTM ZONE 9, NAD 83, 105A/11, Contour intervals: 100 ft

FILE: ...2013/HDL DATE: DECEMBER 2013

Silt samples collected from North Fork Creek returned a nearly continuous 700 m long string of strongly anomalous values for copper, arsenic and gold. Within this string strongly anomalous silver, lead, and zinc value occur over a 300 m length, centered on the ferricrete. Elevated arsenic-in-silt and gold-in-silt values extend as far up North Fork Creek as sampling has been performed, but strongly anomalous values for the other metals appear to terminate at the silver-lead-zinc showing. Peak values from 2013 silt sampling were 1420 ppm copper, 184 ppb gold, 263 ppm arsenic, 2.46 ppm silver, 1150 ppm barium, 118 ppm lead, 844 ppm zinc and 97 ppm cobalt.

In general, the soil response on the property is subdued, and results do not explain the very anomalous silt sample values. Therefore, the source of the metals in the silt is thought to be buried. The gold and arsenic appear to be derived from a different source than the copper, lead and zinc. Soil sampling has highlighted two main areas of coincident, weakly to strongly anomalous geochemistry. The first area lies in the northern part of the property and comprises elevated, but non-coincident, moderately to strongly anomalous gold, arsenic and barium values. Peak values include 129 ppm gold, 302 ppm arsenic and 6460 ppm barium. Contour sampling in the southern part of the property has identified a small cluster of samples with moderately to strongly anomalous copper values (up to 226 ppm) with a single strong anomalous gold (100 ppb) value.

### **DEPOSIT MODEL**

Several mineral occurrences within the Finlayson Lake District are known or suspected to be of volcanogenic origin. The better known occurrences are Kuroko-type, but some Besshi-type and Cyprus-type mineralization is also present (Johnston and Mortensen, 1994). Several occurrences have economical potential including the Kudz Ze Kayah, Wolverine, Fyre Lake and Ice deposits.

Kuroko-type VMS deposits occur in island arc settings and are associated with submarine volcanic arc rocks such as rhyolite and dacite with andesite or basalt. Mineralization consists of lenses of massive pyrite, sphalerite, galena and chalcopyrite. Zoning can occur with a copper-rich base and lead-zinc rich top (Fonseca and Bradshaw, 2005a). The Kudz Ze Kayah and Wolverine deposits, 120 km and 95 km northwest of the HDL property, respectively, are economical examples of this type of deposit in the Finlayson Lake District.

Besshi-type VMS deposits occur in oceanic extensional environments, such as back-arc basins or oceanic ridges, and are associated with basaltic tuffs and flows that are commonly accompanied by calcareous shale and siltstone and minor chert. Deposits typically comprise thin sheets of massive to well layered pyrrhotite, chalcopyrite, sphalerite, pyrite and minor galena (Fonseca and Bradshaw, 2005b). The Fyre Lake project (Kona Deposit), located about 90 km northwest of the HDL property is the closest example.

Cyprus-type VMS deposits occur within ophiolitic complexes formed in back arc spreading ridges and are generally hosted in tholeiitic or cal-calkaline pillow and flow basalts, tuffs, chert, and argillite. Copper and zinc are common with depletion of calcium and sodium (Hoy, 1995). The Ice property, approximately 175 km northwest of the HDL property, is the best example of Cyprus-type VMS in Yukon.



Based on the geological setting and geochemical signature, Besshi or Cyprus-type VMS mineralization could be present on the HDL property.

### **DISCUSSION AND CONCLUSIONS**

The HDL property hosts a very strongly anomalous multi-element stream sediment geochemical anomaly that has not been explained, and which is only weakly supported by soil sampling. This phenomenon suggests that metals are actively being leached from a buried source and are being precipitated in creek beds where acidic metal-rich waters are being neutralized by buffering lithologies or by mixing with more basic groundwater.

Significant gold, silver, lead, zinc and arsenic values were returned from 2013 rock sampling. These samples are encouraging because previous workers had not documented any mineralization, but the known mineralization does not adequately explain the silt anomalies.

The small quartz porphyry dykes on the property maybe related to the larger porphyry body that lies east of the property. The quartz amygdules (?) or clasts in the dyke are similar composition to nearby grey chert, which suggests an explosive event may have emplaced the dyke. Thin sections of the dyke, chert and chert breccia have been sent for petrographic studies, which may help understand the sequence of geological events.

Future work is definitely warranted on the HDL property. It should include detailed mapping and prospecting, deeper hand trenching and more soil sampling. Studies of groundwater pH and ground-based electromagnetic and gravity surveys may also be useful exploration techniques to look for evidence of buried VMS style mineralization. Ultimately, diamond drilling will be required if buried mineralization is to be discovered.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



X. Montague, BSc (Hons), GIT

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**APPENDIX I**  
**STATEMENT OF QUALIFICATIONS**

## STATEMENT OF QUALIFICATIONS

I, Xéna Montague, geologist, with business address in Whitehorse, Yukon Territory and in Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 2012 with a BSc (Hons) in Geological Sciences.
2. From 2011 to present, I have been actively engaged as a geologist in mineral exploration in the Yukon Territory.
3. I am a registered Geologist in Training (GIT) with the Association of Professional Engineers and Geoscientists of British Columbia.
4. I have personally participated in and supervised the field work reported herein and have interpreted all data resulting from this work.



X. Montague, BSc (Hons), GIT

**APPENDIX II**  
**STATEMENT OF EXPENDITURES**

Statement of Expenditures  
HDL 1-6 and LDH 1-8 Mineral Claims  
August 23, 2013

Labour

X. Montague – geologist – 5 days July at \$578/day	3,034.50
S. Wedge – field assistant –5 days July at \$408/day	2,142.00
K. Gray – field assistant – 5 days at 357day	<u>1,874.25</u>
	7,050.75

Expenses (incl. management)

Field room and board – 15 mandays at \$130/day	2,047.50
Trans North Helicopters – 4.2 hours Bell 206 @ \$990/hr plus fuel	4,779.13
ALS Chemex	<u>3,117.04</u>
	9,943.67

Total \$16,994.42

Total 97 soil, silt and rock samples = \$175.20/sample



**APPENDIX III**  
**CERTIFICATES OF ANALYSIS**



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

To: STRATEGIC METALS LTD.  
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
 1016-510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

Page: 1  
 Finalized Date: 25-JUL-2013  
 Account: MTT

**CERTIFICATE WH13128494**

Project: HDL  
 P.O. No.:  
 This report is for 24 Rock samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2013.  
 The following have access to data associated with this certificate:

HEATHER BURRELL	SARAH DRECHSLER	JOAN MARIACHER
-----------------	-----------------	----------------

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME-MS41	51 anal. aqua regia ICPMS	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

To: STRATEGIC METALS LTD.  
 ATTN: JOAN MARIACHER  
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
 1016-510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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

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

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A  
 Total # Pages: 2 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 25-JUL-2013  
 Account: MTT

Project: HDL

**CERTIFICATE OF ANALYSIS WH13128494**

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
L841951		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
L841952		0.91	0.001	0.06	0.29	2.0	<0.2	<10	30	0.07	0.02	0.04	0.04	6.80	1.7	14
L841953		0.07	0.001	0.04	0.68	10.1	<0.2	<10	470	0.24	0.06	0.03	0.09	10.30	5.3	11
L841954		0.49	0.015	4.22	0.30	32.1	<0.2	<10	90	0.31	0.05	3.90	1.50	22.2	11.3	3
L841955		0.26	0.022	6.67	1.20	600	<0.2	<10	140	0.36	0.16	0.17	4.04	21.7	8.3	11
L841956		1.38	0.001	2.61	0.85	21.7	<0.2	<10	280	0.38	0.06	2.07	4.36	28.7	6.8	6
N813476		0.19	0.002	2.63	0.92	26.3	<0.2	<10	300	0.41	0.05	1.11	2.38	30.1	7.3	5
N813477		0.21	<0.001	0.07	0.20	3.2	<0.2	<10	150	0.14	0.15	0.79	0.60	7.28	1.8	5
N813478		0.82	0.002	0.05	2.44	2.0	<0.2	<10	140	0.54	0.03	0.98	0.10	17.65	21.4	5
N813479		0.92	0.004	0.01	1.39	3.5	<0.2	<10	110	0.38	0.04	0.94	0.06	16.80	15.6	3
N813480		0.23	0.019	0.29	0.53	154.0	<0.2	<10	140	0.34	0.28	0.02	0.10	12.50	1.3	5
N813481		1.26	0.002	0.16	0.25	5.9	<0.2	<10	70	0.13	0.09	0.01	0.01	18.00	0.3	10
N813482		0.35	0.004	0.12	0.77	8.6	<0.2	<10	840	0.37	0.37	0.13	0.01	16.00	1.1	11
N813483		0.24	0.011	0.18	0.08	61.8	<0.2	<10	50	<0.05	0.10	<0.01	0.03	3.94	0.2	7
N813484		0.88	0.011	0.04	0.06	79.8	<0.2	<10	30	<0.05	0.10	<0.01	0.03	2.22	0.3	11
N813485		0.20	0.007	0.29	1.30	102.5	<0.2	<10	90	0.93	0.12	0.09	0.17	19.65	1.8	15
N813486		0.56	0.020	0.19	0.09	19.8	<0.2	<10	50	0.12	0.04	0.01	0.02	12.90	0.6	9
N813487		3.87	0.003	0.16	2.15	11.1	<0.2	<10	350	1.24	0.39	0.23	0.36	92.8	16.4	17
N813488		4.02	0.006	0.26	1.97	19.9	<0.2	<10	260	1.06	0.79	0.23	0.55	83.8	14.7	15
N813489		4.60	0.001	0.06	2.46	6.1	<0.2	<10	440	0.98	0.37	0.36	0.10	75.5	12.1	16
N813490		4.54	0.001	0.07	2.47	16.1	<0.2	<10	210	1.02	0.23	0.31	0.16	78.7	16.1	17
N813491		7.79	0.004	1.63	1.52	31.5	<0.2	<10	260	0.50	0.14	2.05	2.05	37.3	10.8	5
N813492		4.44	0.003	0.63	1.77	15.3	<0.2	<10	240	0.60	0.11	2.65	0.31	36.2	12.2	4
N813493		6.01	0.001	0.14	1.12	7.4	<0.2	<10	180	0.61	0.15	1.58	0.18	39.1	8.8	4
N813494		5.47	0.002	0.15	1.80	5.3	<0.2	<10	190	0.64	0.16	3.55	0.18	37.1	7.9	6



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Page: 2 - B  
 Total # Pages: 2 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 25-JUL-2013  
 Account: MTT

Project: HDL

**CERTIFICATE OF ANALYSIS WH13128494**

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	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
L841951		0.09	3.5	0.56	0.73	<0.05	0.07	0.02	0.006	0.02	2.0	6.4	0.17	146	0.20	0.01
L841952		1.26	10.2	3.02	2.23	0.05	0.08	0.48	0.009	0.19	4.4	3.6	0.17	1650	0.43	0.01
L841953		0.59	22.1	1.13	0.68	<0.05	0.53	0.55	0.041	0.24	10.4	0.9	0.03	994	0.75	0.01
L841954		0.79	156.5	4.71	4.67	<0.05	0.17	1.81	0.205	0.37	10.8	13.6	0.43	794	0.65	<0.01
L841955		0.98	17.6	1.45	2.29	0.05	0.48	0.85	0.058	0.52	13.4	6.7	0.18	852	0.45	0.02
L841956		1.09	17.1	1.50	2.46	0.05	0.55	0.60	0.050	0.56	14.1	6.8	0.19	573	0.52	0.02
N813476		0.21	5.2	0.96	0.58	<0.05	0.02	0.01	0.007	0.11	3.6	1.9	0.08	890	0.11	<0.01
N813477		0.49	89.2	4.78	10.30	0.13	0.79	0.01	0.027	0.27	7.3	22.0	1.65	979	0.20	0.03
N813478		0.19	3.9	3.70	3.62	0.06	0.74	0.10	0.018	0.26	7.2	19.5	1.29	735	0.18	0.01
N813479		0.64	43.0	6.39	2.46	<0.05	0.13	0.13	0.018	0.20	6.4	2.8	0.07	80	5.21	<0.01
N813480		0.37	18.9	0.72	0.95	<0.05	0.15	0.04	0.007	0.14	10.1	0.9	0.02	29	1.61	<0.01
N813481		0.66	17.5	1.23	2.07	<0.05	0.60	0.17	0.023	0.42	8.5	4.7	0.18	87	0.29	<0.01
N813482		0.11	3.0	0.57	0.30	<0.05	0.05	0.01	<0.005	0.05	1.8	0.3	0.01	21	0.45	<0.01
N813483		0.09	6.8	0.89	0.29	<0.05	0.03	0.01	0.006	0.03	1.0	0.2	0.01	17	0.78	<0.01
N813484		0.33	67.1	2.29	2.83	0.05	0.19	0.58	0.021	0.14	10.0	19.0	0.31	1220	2.23	<0.01
N813485		0.12	5.8	0.39	0.29	<0.05	0.03	0.01	0.007	0.04	8.0	0.4	<0.01	29	0.19	<0.01
N813486		1.50	49.7	3.64	5.40	0.11	0.12	0.09	0.030	0.40	45.9	30.9	1.31	955	0.91	0.01
N813487		1.60	61.0	3.37	4.67	0.09	0.13	0.24	0.027	0.44	43.2	26.0	1.07	789	1.83	0.01
N813488		1.46	12.9	3.48	5.77	0.11	0.09	0.04	0.015	0.41	38.5	36.9	1.66	860	0.42	0.01
N813489		1.30	19.4	3.50	5.96	0.10	0.26	0.04	0.017	0.36	40.2	39.9	1.66	1010	0.59	0.01
N813490		1.08	15.6	2.43	3.90	0.07	0.44	0.41	0.025	0.64	18.2	12.9	0.54	1180	0.57	0.02
N813491		0.89	15.6	2.93	4.55	0.08	0.45	0.05	0.023	0.61	17.4	17.2	0.62	1180	0.67	0.01
N813492		1.39	9.9	1.21	3.33	0.08	0.61	0.01	0.016	0.62	18.4	7.6	0.29	845	0.32	0.03
N813493		1.74	17.3	2.56	5.40	0.09	0.77	0.02	0.020	0.74	17.3	17.4	0.60	757	0.20	0.03



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 Account: MTT

Project: HDL

**CERTIFICATE OF ANALYSIS WH13128494**

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 ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
L841951		0.07	3.8	130	5.7	1.1	<0.001	<0.01	0.11	0.6	<0.2	<0.2	6.3	<0.01	0.01	0.3
L841952		0.17	16.5	100	29.5	10.7	<0.001	0.03	1.82	1.3	<0.2	0.2	8.9	<0.01	0.02	0.6
L841953		0.84	5.0	650	460	6.4	<0.001	1.15	3.09	1.1	0.7	1.1	113.0	0.01	<0.01	1.9
L841954		0.05	7.7	780	5980	10.6	<0.001	0.18	2.36	5.1	0.6	0.5	9.1	<0.01	0.01	2.3
L841955		0.41	3.4	710	1625	13.3	<0.001	0.84	0.93	2.5	0.6	0.5	48.2	<0.01	0.01	2.2
L841956		0.57	3.1	760	1525	14.2	<0.001	0.70	0.98	2.7	0.7	0.4	23.1	<0.01	0.01	2.3
N813476		0.13	2.8	90	76.2	6.6	<0.001	0.01	0.08	0.9	<0.2	<0.2	25.1	<0.01	0.01	1.4
N813477		0.14	6.6	1130	7.7	9.3	<0.001	<0.01	0.48	11.5	0.7	0.6	47.9	<0.01	0.03	1.0
N813478		0.53	7.7	710	5.6	4.9	<0.001	<0.01	0.47	6.2	0.5	0.4	106.0	<0.01	0.06	0.8
N813479		0.08	7.6	150	18.7	11.1	0.001	0.07	6.98	1.2	3.6	0.3	4.0	<0.01	0.17	2.7
N813480		0.20	1.9	150	3.7	7.2	<0.001	0.03	0.64	0.7	<0.2	<0.2	7.6	<0.01	0.05	1.9
N813481		1.20	5.0	280	9.9	16.8	0.001	0.08	0.91	2.6	0.4	0.6	13.2	<0.01	0.15	6.3
N813482		0.06	0.7	90	26.7	2.4	<0.001	0.05	1.21	0.3	0.3	<0.2	8.6	<0.01	0.07	0.5
N813483		0.07	0.9	130	13.5	1.4	<0.001	0.01	1.01	0.2	0.2	<0.2	3.0	<0.01	0.06	0.2
N813484		0.22	23.1	1560	12.0	6.7	0.006	0.11	2.20	2.7	0.8	0.2	13.0	<0.01	0.06	4.0
N813485		0.06	1.9	90	9.5	2.0	<0.001	0.03	0.50	0.3	<0.2	<0.2	28.0	<0.01	0.03	0.3
N813486		0.13	20.8	1060	108.0	18.8	<0.001	0.09	0.93	3.3	0.9	0.4	10.0	<0.01	0.04	12.2
N813487		0.22	12.7	1140	177.0	19.0	<0.001	0.10	1.33	3.0	1.0	0.4	11.8	<0.01	0.05	12.1
N813488		<0.05	15.4	1680	11.7	19.2	0.001	0.15	0.57	3.0	0.4	0.4	11.1	<0.01	0.01	10.7
N813489		<0.05	22.9	1420	20.8	17.4	<0.001	0.04	0.62	2.9	0.5	0.3	10.1	<0.01	0.02	10.0
N813490		0.33	5.4	840	710	16.4	<0.001	0.64	0.92	3.7	0.6	0.8	41.4	<0.01	0.01	2.9
N813491		0.29	8.9	790	63.4	16.4	0.001	0.47	0.84	3.9	0.7	0.6	50.3	0.01	0.01	2.7
N813492		0.88	8.7	860	11.0	15.3	<0.001	0.12	0.45	5.1	0.7	0.9	24.9	0.01	0.01	2.8
N813493		0.66	6.1	920	10.1	19.7	<0.001	0.05	0.25	6.4	0.9	1.0	46.3	0.01	0.01	3.2



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 Account: MTT

Project: HDL

**CERTIFICATE OF ANALYSIS WH13128494**

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ti	Ti	U	V	W	Y	Zn	Zr
Units		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOR									
L841951		<0.005	0.02	0.08	4	0.11	1.89	12	2.0
L841952		0.015	0.10	0.21	51	1.34	2.25	43	3.5
L841953		0.096	0.09	0.40	2	0.16	10.75	859	18.1
L841954		<0.005	0.11	0.29	33	<0.05	7.04	1220	8.7
L841955		0.086	0.09	0.37	10	0.10	11.25	1210	17.4
L841956		0.127	0.09	0.35	11	0.15	11.95	737	19.2
N813476		<0.005	0.03	0.12	4	0.07	2.72	45	0.6
N813477		0.474	0.04	0.33	122	0.17	16.30	95	19.6
N813478		0.373	0.03	0.26	45	0.15	8.45	60	16.7
N813479		<0.005	0.14	0.20	10	<0.05	1.42	17	5.3
N813480		0.011	0.06	0.69	5	<0.05	1.05	6	5.5
N813481		0.210	0.10	1.09	16	0.27	3.55	18	19.8
N813482		<0.005	0.07	0.06	2	0.05	0.46	<2	1.5
N813483		<0.005	0.02	0.07	4	0.11	0.32	5	0.7
N813484		0.009	0.12	5.19	32	0.07	11.00	52	9.7
N813485		<0.005	0.06	0.17	2	0.08	0.73	11	0.9
N813486		0.012	0.15	1.68	17	0.06	10.70	199	8.8
N813487		0.016	0.16	2.40	16	0.08	9.05	282	9.7
N813488		<0.005	0.13	5.25	18	<0.05	10.00	89	7.3
N813489		0.005	0.14	3.52	19	<0.05	9.36	98	20.2
N813490		0.090	0.14	0.37	18	0.12	13.55	772	18.6
N813491		0.119	0.14	0.43	19	0.14	15.75	140	18.6
N813492		0.233	0.10	0.41	17	0.26	18.90	78	23.9
N813493		0.314	0.15	0.42	27	0.24	17.40	69	27.4



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 Account: MTT

Project: HDL

**CERTIFICATE OF ANALYSIS WH13128494**

**CERTIFICATE COMMENTS**

	<b>ANALYTICAL COMMENTS</b>								
Applies to Method:	<p>Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).            ME-MS41</p>								
	<b>LABORATORY ADDRESSES</b>								
Applies to Method:	<p>Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-22</td> <td style="width: 33%;">PUL-31</td> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-22	PUL-31	PUL-QC	SPL-21	WEI-21	
CRU-31	CRU-QC	LOG-22	PUL-31						
PUL-QC	SPL-21	WEI-21							
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Au-ICP21</td> <td style="width: 50%;">ME-MS41</td> </tr> </table>	Au-ICP21	ME-MS41						
Au-ICP21	ME-MS41								



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 Account: MTT

**CERTIFICATE WH13158873**

Project: HDL  
 P.O. No.:  
 This report is for 4 Rock samples submitted to our lab in Whitehorse, YT, Canada on 2-SEP-2013.  
 The following have access to data associated with this certificate:

HEATHER BURRELL	SARAH DRECHSLER	JOAN MARIACHER
-----------------	-----------------	----------------

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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

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

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





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 Finalized Date: 19-SEP-2013  
 Account: MTT

Project: HDL

**CERTIFICATE OF ANALYSIS WH13158873**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
M898092		1.45	0.004	0.21	7.60	75.5	1160	2.25	0.38	0.12	0.27	59.3	5.5	74	6.80	85.2
M898093		3.62	0.017	3.77	7.83	738	880	1.39	0.37	0.27	3.41	56.7	16.6	12	4.53	64.7
M898094		0.52	0.017	1.03	6.86	38.7	700	1.29	0.25	0.51	1.96	55.2	15.3	19	3.58	26.8
K269133		1.33	0.229	2.76	0.43	585	420	0.15	0.18	0.01	0.10	1.54	18.0	12	0.20	64.6

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



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Project: HDL

**CERTIFICATE OF ANALYSIS WH13158873**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M898092		4.57	22.1	0.16	3.6	0.069	3.52	31.5	37.2	0.75	806	1.05	0.05	16.0	29.9	860
M898093		3.05	18.80	0.19	4.2	0.294	3.99	26.1	21.6	0.87	1400	0.77	0.04	13.2	19.2	830
M898094		4.12	18.55	0.18	4.2	0.072	3.05	26.6	35.8	1.24	1400	1.10	0.03	13.7	20.1	780
K269133		13.00	1.61	0.10	0.2	0.008	0.19	0.6	3.9	0.02	44	8.22	0.02	0.7	28.0	100

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Project: HDL

**CERTIFICATE OF ANALYSIS WH13158873**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M898092		42.0	122.5	0.004	0.09	2.80	16.3	2	2.3	37.6	1.06	0.08	14.5	0.426	0.77	4.2
M898093		2470	119.5	<0.002	0.13	3.91	18.1	2	2.5	13.2	0.87	<0.05	8.2	0.526	0.71	2.2
M898094		208	102.0	<0.002	0.06	2.40	16.6	1	2.0	13.6	0.88	0.10	8.5	0.454	0.60	2.2
K269133		159.5	8.8	0.006	7.46	15.00	1.2	13	0.5	9.2	<0.05	0.66	0.3	0.017	0.23	0.2

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



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Project: HDL

**CERTIFICATE OF ANALYSIS WH13158873**

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
M898092		134	2.1	16.8	106	138.5
M898093		87	1.3	26.7	559	170.0
M898094		77	1.2	25.5	617	166.5
K269133		40	0.3	1.7	25	6.8

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 Finalized Date: 23-JUL-2013  
 Account: MTT

**CERTIFICATE WH13128497**

Project: HDL  
 P.O. No.:  
 This report is for 31 Soil samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2013.  
 The following have access to data associated with this certificate:  
 HEATHER BURRELL                      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-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	51 anal. aqua regia ICPMS	

To: STRATEGIC METALS LTD.  
 ATTN: JOAN MARIACHER  
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
 1016-510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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

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

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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

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 Finalized Date: 23-JUL-2013  
 Account: MTT

Project: HDL

**CERTIFICATE OF ANALYSIS WH13128497**

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	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
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	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
ZZ79651		0.07	NSS	0.08	1.84	6.7	<0.2	<10	610	0.69	0.12	0.53	0.30	17.00	17.3	17
ZZ79652		0.19	0.006	0.13	2.15	28.8	<0.2	<10	350	0.84	0.22	0.54	0.31	30.5	15.6	18
ZZ79653		0.04	0.007	0.24	2.25	60.0	<0.2	<10	280	0.92	0.17	0.32	0.45	25.2	11.0	17
ZZ79654		0.11	0.008	0.16	1.67	18.7	<0.2	<10	240	0.51	0.16	1.06	0.28	17.25	11.6	12
ZZ79655		0.18	0.002	0.25	1.68	16.6	<0.2	<10	180	0.43	0.20	0.49	0.47	21.7	9.6	29
ZZ79656		0.16	0.002	0.26	1.92	29.2	<0.2	<10	180	0.59	0.12	0.54	0.64	23.1	15.1	37
ZZ79657		0.16	0.003	0.22	1.92	17.7	<0.2	<10	150	0.42	0.24	0.14	0.41	30.2	9.4	32
ZZ79658		0.19	0.008	0.17	2.00	160.5	<0.2	<10	160	0.69	0.25	0.19	0.46	35.2	18.2	48
ZZ79659		0.13	0.005	0.12	2.96	29.9	<0.2	<10	140	0.73	0.17	0.32	0.37	34.5	30.0	59
ZZ79660		0.17	0.002	0.19	1.74	11.7	<0.2	<10	130	0.34	0.20	0.10	0.14	25.8	6.3	33
ZZ79661		0.18	0.005	0.25	2.68	16.3	<0.2	<10	170	0.64	0.14	0.28	0.30	24.2	21.2	60
ZZ79662		0.07	0.009	0.26	1.74	43.2	<0.2	<10	110	0.42	0.15	0.12	0.23	23.4	12.6	40
ZZ79663		0.25	0.005	0.12	1.54	19.4	<0.2	<10	190	0.35	0.25	0.40	0.29	27.3	17.9	23
ZZ79664		0.24	0.002	0.10	1.43	10.7	<0.2	<10	120	0.43	0.27	0.07	0.16	33.0	5.1	18
ZZ79665		0.13	0.011	0.19	0.86	2.8	<0.2	<10	310	0.47	0.06	0.94	0.08	15.95	2.3	6
ZZ79666		0.18	0.002	0.13	1.49	22.9	<0.2	<10	120	0.29	0.26	0.06	0.26	36.3	5.7	26
ZZ79667		0.12	0.004	0.16	1.71	11.5	<0.2	<10	300	0.58	0.33	0.21	0.29	35.4	15.1	23
ZZ79668		0.18	0.003	0.21	1.51	15.2	<0.2	<10	130	0.33	0.27	0.14	0.35	33.5	6.7	24
ZZ79669		0.26	0.004	0.10	1.89	25.2	<0.2	<10	160	0.60	0.29	0.13	0.33	32.2	9.8	30
ZZ79670		0.09	0.006	0.21	1.76	49.0	<0.2	<10	140	0.34	0.30	0.17	0.26	27.7	12.2	38
ZZ79671		0.14	0.004	0.48	1.00	21.8	<0.2	<10	110	0.31	0.29	0.18	0.15	25.6	5.2	16
ZZ79672		0.17	0.004	0.16	1.46	17.7	<0.2	<10	120	0.25	0.28	0.07	0.22	32.0	7.5	22
ZZ79673		0.16	0.008	0.20	2.04	69.4	<0.2	<10	290	1.01	0.22	0.34	0.20	50.8	23.9	29
ZZ79674		0.12	0.006	0.21	2.31	30.7	<0.2	<10	360	0.60	0.19	0.27	0.27	42.1	19.2	27
ZZ79675		0.16	0.008	0.16	1.85	64.5	<0.2	<10	330	0.54	0.23	0.27	0.19	35.8	14.6	27
ZZ79676		0.11	0.002	0.11	1.26	20.9	<0.2	<10	100	0.21	0.27	0.08	0.12	28.1	5.4	22
ZZ79677		0.10	0.015	0.64	1.12	78.0	<0.2	<10	340	0.52	0.27	0.14	0.40	39.9	15.2	18
ZZ79678		0.14	0.003	0.18	1.27	49.4	<0.2	<10	260	0.42	0.21	0.55	0.78	24.7	10.6	28
ZZ79679		0.08	0.006	0.34	1.50	302	<0.2	<10	240	0.64	0.17	1.66	0.63	34.2	13.0	45
ZZ79680		0.12	0.002	0.38	1.16	25.1	<0.2	<10	140	0.34	0.28	0.19	0.65	27.1	7.9	19
ZZ79681		0.16	0.005	0.15	1.65	190.0	<0.2	<10	260	0.59	0.27	0.06	0.45	30.4	11.9	28

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



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 Account: MTT

Project: HDL

**CERTIFICATE OF ANALYSIS WH13128497**

Sample Description	Method	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	
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units LOR	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
ZZ79651		1.97	131.0	3.05	6.29	<0.05	0.02	0.06	0.022	0.08	7.5	17.7	0.81	1580	1.19	0.01
ZZ79652		2.54	106.5	3.18	6.45	0.05	<0.02	0.07	0.030	0.05	12.9	30.4	0.52	1140	4.50	0.01
ZZ79653		2.63	165.0	3.03	6.41	0.05	0.02	0.05	0.028	0.04	12.2	24.8	0.36	604	4.22	0.01
ZZ79654		2.12	100.5	3.12	6.48	<0.05	0.02	0.06	0.025	0.06	8.4	18.9	0.44	735	2.36	0.01
ZZ79655		1.12	28.3	3.12	6.58	<0.05	<0.02	0.04	0.026	0.10	11.3	22.8	0.71	388	1.45	0.01
ZZ79656		1.28	39.6	2.74	6.73	<0.05	0.02	0.05	0.025	0.09	10.2	20.6	0.78	1520	1.84	0.02
ZZ79657		1.07	29.4	3.97	5.95	0.05	0.09	0.05	0.032	0.07	15.2	28.3	0.74	391	1.38	0.01
ZZ79658		1.41	60.3	4.17	6.30	0.06	0.02	0.04	0.042	0.10	18.2	26.9	0.90	876	7.58	<0.01
ZZ79659		2.01	75.9	4.32	8.20	0.06	0.07	0.05	0.041	0.15	15.7	35.0	1.55	1210	1.68	0.01
ZZ79660		1.19	24.6	2.08	8.43	<0.05	<0.02	0.03	0.025	0.07	13.4	11.8	0.57	359	0.96	0.01
ZZ79661		1.93	64.3	4.02	9.91	0.05	0.02	0.03	0.039	0.13	12.5	36.6	1.54	728	1.39	0.01
ZZ79662		1.40	33.6	2.82	7.46	<0.05	<0.02	0.04	0.031	0.07	12.1	22.5	0.69	643	1.28	0.01
ZZ79663		1.15	44.1	3.09	6.17	<0.05	<0.02	0.05	0.023	0.08	12.9	15.7	0.84	1120	1.37	0.02
ZZ79664		1.03	18.3	2.38	5.83	<0.05	<0.02	0.08	0.018	0.04	16.5	17.4	0.30	323	1.31	<0.01
ZZ79665		0.54	67.4	0.89	1.76	0.05	0.04	0.08	0.010	0.02	10.5	3.1	0.10	87	0.41	0.02
ZZ79666		0.92	13.6	3.46	6.32	0.05	<0.02	0.03	0.023	0.07	18.5	16.1	0.36	325	1.53	<0.01
ZZ79667		1.13	18.8	3.13	5.30	0.05	<0.02	0.04	0.029	0.07	17.5	27.2	0.56	683	1.18	0.01
ZZ79668		1.00	14.5	2.93	5.51	<0.05	<0.02	0.04	0.023	0.06	16.9	18.4	0.62	387	1.33	0.01
ZZ79669		1.06	28.3	2.78	4.53	<0.05	0.05	0.07	0.025	0.06	15.8	23.3	0.67	309	0.97	<0.01
ZZ79670		1.10	33.2	4.56	6.62	<0.05	<0.02	0.07	0.034	0.08	13.9	24.4	0.74	1360	1.61	<0.01
ZZ79671		0.69	18.6	2.30	4.16	<0.05	<0.02	0.05	0.019	0.08	12.4	8.7	0.28	417	1.09	0.01
ZZ79672		1.28	11.9	2.56	5.89	<0.05	<0.02	0.03	0.022	0.06	16.2	19.7	0.40	718	1.48	<0.01
ZZ79673		1.95	41.1	3.55	5.49	0.06	0.02	0.08	0.028	0.08	22.1	39.6	1.11	1270	2.10	<0.01
ZZ79674		1.00	35.3	3.51	5.92	0.07	0.03	0.07	0.033	0.07	18.0	43.9	1.40	1400	1.38	0.01
ZZ79675		1.12	31.6	3.29	5.62	0.05	0.02	0.06	0.030	0.07	16.2	35.2	1.00	808	1.65	0.01
ZZ79676		0.94	15.3	2.97	6.73	<0.05	<0.02	0.03	0.022	0.06	13.9	12.4	0.39	323	1.35	0.01
ZZ79677		0.94	40.9	2.93	4.19	0.06	<0.02	0.12	0.028	0.13	21.2	11.9	0.32	1800	3.44	0.01
ZZ79678		1.27	29.4	2.80	4.95	<0.05	<0.02	0.07	0.028	0.09	13.0	19.6	0.48	434	2.43	0.01
ZZ79679		1.27	40.2	3.02	4.50	0.07	0.05	0.09	0.027	0.08	20.6	18.8	0.87	525	1.25	0.01
ZZ79680		0.83	30.1	2.77	4.41	<0.05	<0.02	0.03	0.023	0.08	13.0	17.2	0.40	346	1.54	<0.01
ZZ79681		1.33	43.0	4.46	6.85	0.05	<0.02	0.17	0.039	0.09	15.0	24.4	0.47	524	4.99	<0.01

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**CERTIFICATE OF ANALYSIS WH13128497**

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	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
ZZ79651		1.01	13.9	1160	6.7	10.1	<0.001	0.09	0.37	1.9	0.7	0.4	34.9	<0.01	0.09	<0.2
ZZ79652		0.97	15.4	1250	10.3	10.6	0.001	0.08	0.43	2.2	1.4	0.5	30.7	<0.01	0.05	0.3
ZZ79653		1.58	10.4	1130	8.9	6.8	<0.001	0.04	0.43	4.8	1.5	0.5	25.6	0.01	0.06	0.6
ZZ79654		1.11	9.4	940	6.9	9.4	<0.001	0.07	0.38	3.1	0.7	0.5	64.9	<0.01	0.07	0.2
ZZ79655		1.40	26.6	940	11.4	13.7	<0.001	0.03	0.63	2.4	0.5	0.5	36.1	<0.01	0.05	0.6
ZZ79656		0.97	39.4	680	10.2	12.9	<0.001	0.03	0.69	2.7	0.8	0.3	69.6	<0.01	0.04	0.6
ZZ79657		1.72	26.9	850	13.2	12.9	<0.001	0.02	0.80	3.3	0.8	0.5	12.4	<0.01	0.05	4.8
ZZ79658		1.02	67.6	1120	17.8	13.1	0.001	0.02	4.18	3.9	2.8	0.5	17.3	<0.01	0.13	2.3
ZZ79659		1.65	74.6	1240	14.6	12.6	<0.001	0.02	1.07	5.1	1.1	0.4	21.3	<0.01	0.07	2.5
ZZ79660		1.00	20.4	510	11.8	7.8	<0.001	0.02	0.49	2.4	0.4	0.7	8.2	<0.01	0.04	0.3
ZZ79661		1.13	62.1	1080	11.5	13.5	<0.001	0.02	0.79	4.7	0.6	0.4	25.9	<0.01	0.06	0.7
ZZ79662		0.59	31.5	680	10.1	10.0	<0.001	0.03	0.83	1.9	0.4	0.5	10.4	<0.01	0.04	0.2
ZZ79663		0.79	21.4	910	12.8	7.0	<0.001	0.03	0.82	3.1	0.6	0.5	26.1	<0.01	0.08	0.7
ZZ79664		1.33	10.9	440	12.9	11.8	<0.001	0.02	0.49	1.3	0.3	0.7	7.4	<0.01	0.03	0.7
ZZ79665		0.52	6.2	890	3.1	3.5	<0.001	0.09	0.25	1.1	0.9	<0.2	30.2	<0.01	0.02	0.2
ZZ79666		1.66	15.0	640	14.4	12.9	<0.001	0.03	0.86	2.0	0.4	0.7	6.1	<0.01	0.05	3.0
ZZ79667		1.11	22.8	600	14.0	13.0	<0.001	0.03	0.65	2.0	0.4	0.5	12.4	<0.01	0.08	1.8
ZZ79668		1.22	20.5	640	12.8	11.5	<0.001	0.02	0.70	1.8	0.5	0.5	9.7	<0.01	0.06	1.7
ZZ79669		1.05	29.6	460	14.0	11.8	0.001	0.03	0.93	2.7	0.6	0.4	8.9	<0.01	0.05	4.4
ZZ79670		1.13	28.2	1000	20.0	14.3	<0.001	0.05	1.44	2.5	0.5	0.6	11.7	<0.01	0.08	1.5
ZZ79671		0.45	13.0	670	15.9	8.7	<0.001	0.05	0.73	0.5	0.4	0.4	12.3	<0.01	0.06	<0.2
ZZ79672		0.70	13.1	760	15.6	12.8	<0.001	0.03	0.60	0.9	0.3	0.6	7.8	<0.01	0.05	0.3
ZZ79673		0.79	39.1	840	18.0	9.5	<0.001	0.05	1.10	2.9	0.9	0.4	19.1	<0.01	0.09	1.0
ZZ79674		1.40	36.5	780	18.9	6.3	0.001	0.03	0.84	4.4	0.8	0.4	15.0	<0.01	0.13	1.8
ZZ79675		1.17	27.6	780	18.0	7.3	0.001	0.04	1.03	2.8	0.7	0.5	16.1	<0.01	0.06	0.7
ZZ79676		1.53	14.1	620	17.4	9.7	<0.001	0.04	0.89	1.7	0.4	0.7	9.2	<0.01	0.06	0.6
ZZ79677		0.24	17.3	1150	37.8	11.8	<0.001	0.22	2.24	0.6	1.1	0.4	32.7	<0.01	0.11	0.2
ZZ79678		0.70	22.5	820	12.9	17.5	0.001	0.04	1.69	1.2	0.8	0.5	33.9	<0.01	0.05	0.3
ZZ79679		0.92	49.4	1230	10.7	11.2	<0.001	0.05	4.98	3.6	1.2	0.4	31.9	<0.01	0.04	1.5
ZZ79680		0.41	19.5	600	10.8	11.4	<0.001	0.04	1.71	0.6	0.4	0.4	14.3	<0.01	0.05	<0.2
ZZ79681		1.19	28.4	1170	20.8	12.6	<0.001	0.02	5.84	2.9	0.9	0.6	10.4	<0.01	0.07	1.4



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ79651		0.091	0.06	0.50	70	0.20	6.96	84	0.6
ZZ79652		0.051	0.09	1.19	67	0.29	10.80	80	0.5
ZZ79653		0.072	0.06	2.92	81	0.31	12.85	59	0.8
ZZ79654		0.091	0.06	0.50	100	0.28	6.82	58	0.7
ZZ79655		0.071	0.10	0.49	67	0.38	4.30	124	0.5
ZZ79656		0.042	0.12	0.52	65	0.25	5.93	89	0.6
ZZ79657		0.064	0.10	0.58	57	0.33	4.85	86	3.7
ZZ79658		0.042	0.18	0.79	70	0.25	8.11	160	1.0
ZZ79659		0.096	0.16	0.62	83	0.26	9.01	164	2.3
ZZ79660		0.066	0.10	0.34	77	0.28	3.29	59	<0.5
ZZ79661		0.071	0.12	0.40	102	0.21	7.62	151	0.7
ZZ79662		0.037	0.10	0.38	81	0.18	4.29	78	<0.5
ZZ79663		0.077	0.09	0.46	67	0.18	7.53	70	<0.5
ZZ79664		0.034	0.10	0.51	47	0.32	3.23	50	<0.5
ZZ79665		0.017	0.04	0.62	11	0.06	12.40	14	1.2
ZZ79666		0.049	0.10	0.49	56	0.29	2.76	76	0.6
ZZ79667		0.039	0.10	0.65	41	0.24	5.81	90	<0.5
ZZ79668		0.044	0.09	0.56	42	0.28	4.64	75	<0.5
ZZ79669		0.036	0.12	0.57	37	0.25	4.64	80	1.9
ZZ79670		0.069	0.13	0.51	68	0.23	3.30	78	0.6
ZZ79671		0.023	0.10	0.63	32	0.23	2.65	54	<0.5
ZZ79672		0.025	0.13	0.55	44	0.26	2.82	75	<0.5
ZZ79673		0.052	0.16	1.12	38	0.17	11.05	132	0.6
ZZ79674		0.092	0.09	0.79	42	0.23	12.85	128	1.1
ZZ79675		0.088	0.11	0.86	44	0.23	8.60	108	0.8
ZZ79676		0.091	0.11	0.50	57	0.35	2.69	66	0.6
ZZ79677		0.016	0.31	1.20	37	0.13	7.37	95	<0.5
ZZ79678		0.029	0.12	1.42	50	0.23	4.68	113	<0.5
ZZ79679		0.041	0.16	1.88	52	0.55	18.50	93	1.5
ZZ79680		0.023	0.08	0.50	42	0.29	3.04	72	<0.5
ZZ79681		0.028	0.11	0.65	76	0.34	4.18	160	<0.5





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To: STRATEGIC METALS LTD.  
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 VANCOUVER BC V6B 1L8

Page: 1  
 Finalized Date: 19-SEP-2013  
 Account: MTT

**CERTIFICATE WH13158877**

Project: HDL  
 P.O. No.:  
 This report is for 35 Soil samples submitted to our lab in Whitehorse, YT, Canada on 2-SEP-2013.  
 The following have access to data associated with this certificate:

HEATHER BURRELL	SARAH DRECHSLER	JOAN MARIACHER
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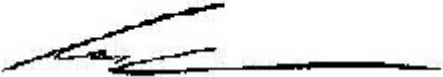
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
ME-MS61	48 element four acid ICP-MS
Au-ICP21	Au 30g FA ICP-AES Finish <span style="float: right;">ICP-AES</span>

To: STRATEGIC METALS LTD.  
 ATTN: JOAN MARIACHER  
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
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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.

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

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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 Plus Appendix Pages  
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 Account: MTT

Project: HDL

**CERTIFICATE OF ANALYSIS WH13158877**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
CC44801		0.32	0.001	0.18	5.44	99.3	880	1.41	0.27	0.54	0.65	69.5	11.5	54	4.71	32.7
CC44802		0.29	0.004	0.50	5.44	260	1370	1.46	0.22	0.69	0.85	66.5	15.2	71	4.91	50.1
CC44803		0.32	0.002	0.10	5.96	18.3	1120	1.52	0.24	0.64	0.21	71.9	12.7	53	4.63	51.0
CC44804		0.31	0.003	0.16	6.58	29.5	1420	1.59	0.19	0.58	0.40	60.2	20.8	65	8.62	55.4
CC44805		0.33	0.003	0.43	5.51	15.0	1280	1.23	0.20	1.15	1.95	48.2	28.2	68	4.65	58.4
CC44806		0.33	0.001	0.31	6.46	7.9	990	1.34	0.27	0.89	0.29	55.0	6.2	41	3.76	20.2
CC44807		0.31	0.002	0.08	5.88	15.7	910	1.65	0.31	0.56	0.18	75.4	9.5	56	3.74	27.2
CC44808		0.43	0.005	0.10	6.45	10.3	1080	1.40	0.15	1.20	0.23	64.1	21.9	50	3.20	103.5
CC44809		0.32	0.004	0.30	6.51	19.5	900	1.32	0.17	1.54	0.26	43.8	6.0	19	2.27	24.4
CC44810		0.33	0.023	0.54	4.99	113.0	820	1.33	0.45	0.40	0.19	70.9	4.9	60	4.18	21.2
CC44811		0.28	0.003	0.26	6.38	12.3	840	1.35	0.24	1.20	0.12	54.3	5.5	28	2.70	19.8
CC44812		0.36	0.004	0.39	6.29	22.1	920	2.02	0.43	0.43	0.21	89.4	7.5	58	6.24	29.7
CC44813		0.40	0.006	0.44	5.65	20.7	930	1.48	0.34	0.39	0.23	95.6	7.8	65	5.89	30.7
CC44814		0.41	0.011	0.62	6.77	39.4	4390	2.14	0.39	0.68	0.16	115.5	8.2	71	9.72	55.0
CC44815		0.37	0.008	0.23	5.79	31.0	910	1.50	0.25	0.74	0.31	65.7	9.7	58	3.58	35.0
CC44816		0.36	0.002	0.23	5.95	16.8	850	1.02	0.21	1.33	0.38	59.9	18.4	109	3.66	33.7
CC44817		0.36	0.003	0.12	5.54	28.2	960	1.33	0.27	0.36	0.20	70.1	7.9	70	3.89	20.8
CC44818		0.34	0.003	0.31	6.65	9.4	2330	1.44	0.18	0.71	0.43	55.8	21.3	40	22.1	84.6
CC44819		0.34	0.003	0.16	6.15	10.3	1030	1.47	0.41	0.67	0.44	60.7	15.9	42	4.18	48.4
CC44820		0.44	0.004	0.25	7.25	31.8	6460	1.43	0.22	0.45	0.25	70.1	30.6	51	7.57	61.8
CC44821		0.31	0.005	0.16	6.03	10.2	1560	1.52	0.21	0.43	0.21	73.1	19.9	46	8.12	58.8
CC44822		0.36	0.004	0.25	5.09	8.5	1160	1.33	0.25	0.56	0.65	65.0	8.4	52	4.44	27.9
CC44823		0.34	0.003	0.36	5.32	5.8	1020	1.26	0.15	1.19	0.72	42.1	15.9	24	4.80	45.6
CC44824		0.24	0.001	0.24	6.09	6.1	1030	1.22	0.13	1.79	0.43	38.0	8.8	12	3.30	44.7
CC44825		0.31	0.004	0.15	5.35	6.6	1140	1.35	0.17	1.40	0.41	59.3	13.4	38	5.70	77.4
CC44826		0.39	0.005	0.11	5.79	9.4	1230	1.86	0.26	0.66	0.24	82.9	12.0	40	5.69	98.2
CC44827		0.45	0.010	0.13	5.70	10.4	1200	1.51	0.17	1.06	0.18	70.3	12.9	37	8.08	116.5
CC44828		0.44	0.003	0.19	5.55	12.5	1030	1.85	0.19	1.02	0.21	67.6	13.5	39	6.52	79.1
CC44829		0.31	0.003	0.17	5.59	15.8	1070	1.79	0.20	1.27	0.29	80.2	15.2	45	9.28	98.0
CC44830		0.31	0.003	0.12	5.36	21.1	970	1.36	0.19	0.72	0.20	88.4	12.4	55	5.79	33.3
CC44831		0.35	0.002	0.16	5.04	11.4	800	1.44	0.24	0.48	0.26	72.1	7.2	55	3.65	22.6
CC44832		0.24	0.001	0.53	5.28	4.8	860	1.22	0.18	0.98	0.92	50.5	8.2	30	3.11	22.2
CC44833		0.31	0.129	1.05	5.62	3.2	880	1.22	0.15	1.11	0.33	55.0	7.2	20	2.45	25.8
CC44834		0.36	0.005	0.20	6.20	12.5	1210	1.47	0.18	0.49	0.16	86.1	11.3	56	2.78	30.7
CC44835		0.36	0.002	0.05	10.40	20.3	1300	2.96	0.32	0.28	0.34	136.0	13.4	119	6.99	34.0

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



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 Total # Pages: 2 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 19-SEP-2013  
 Account: MTT

Project: HDL

**CERTIFICATE OF ANALYSIS WH13158877**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
CC44801		4.39	15.25	0.20	2.2	0.051	1.52	32.4	37.1	0.65	721	2.04	0.73	11.4	22.1	1310
CC44802		4.12	16.00	0.16	2.2	0.056	1.41	32.2	39.8	0.69	1080	2.10	0.70	11.9	26.0	1750
CC44803		4.13	16.90	0.18	2.6	0.053	1.62	34.1	46.4	0.95	599	1.35	1.08	11.1	23.4	930
CC44804		4.95	18.45	0.19	2.7	0.064	1.75	26.6	61.6	1.45	1180	1.92	0.93	11.0	31.1	1190
CC44805		4.57	16.55	0.18	2.3	0.059	1.40	21.2	34.5	0.87	3220	3.05	1.19	9.9	26.2	2440
CC44806		2.80	18.95	0.14	3.0	0.043	1.93	26.6	25.7	0.63	590	1.49	1.40	11.4	10.4	1250
CC44807		3.60	15.45	0.17	2.1	0.051	1.64	35.2	40.1	0.81	434	1.22	0.85	11.8	25.1	700
CC44808		4.79	16.70	0.19	2.5	0.057	1.46	29.0	40.6	1.49	1180	0.92	1.18	8.9	26.8	1090
CC44809		2.37	17.40	0.11	3.1	0.028	2.00	21.6	22.4	0.54	457	1.92	2.11	7.1	7.8	1470
CC44810		3.34	15.55	0.16	2.2	0.044	1.60	35.0	18.6	0.44	352	2.42	0.66	13.0	14.4	1360
CC44811		2.24	17.85	0.13	3.0	0.031	1.98	26.3	23.4	0.50	432	1.69	1.81	9.4	9.0	1050
CC44812		3.35	18.10	0.17	2.5	0.057	2.00	42.5	35.2	0.56	504	1.75	0.68	14.7	22.1	1110
CC44813		3.16	17.20	0.17	2.4	0.050	1.75	43.3	32.1	0.60	364	1.73	0.65	14.0	24.9	770
CC44814		3.51	18.30	0.24	3.0	0.065	2.28	59.9	43.2	0.63	442	3.19	0.53	15.3	28.8	1380
CC44815		2.76	16.55	0.17	2.6	0.049	1.72	31.1	28.3	0.68	449	1.76	1.08	12.6	27.0	1240
CC44816		5.81	17.25	0.18	2.2	0.061	1.14	27.5	29.3	1.51	936	1.48	1.19	10.0	45.9	1630
CC44817		3.83	15.40	0.18	2.2	0.060	1.54	33.6	40.7	0.78	458	1.84	0.70	12.3	24.3	670
CC44818		5.51	17.10	0.16	2.3	0.067	1.50	24.2	64.8	1.07	1400	0.88	0.63	10.1	16.8	1360
CC44819		4.41	17.25	0.16	2.0	0.057	1.51	28.0	41.8	1.03	1540	0.98	0.99	10.4	17.0	1410
CC44820		4.96	17.70	0.19	3.1	0.078	1.26	30.6	68.5	1.12	1620	1.66	0.23	10.8	22.3	1160
CC44821		4.99	15.65	0.19	2.1	0.070	1.26	33.4	50.6	1.02	1330	1.17	0.60	9.2	20.9	850
CC44822		2.91	14.70	0.15	2.2	0.045	1.56	31.6	23.4	0.58	648	1.21	0.70	11.6	15.8	2080
CC44823		2.80	15.25	0.14	2.6	0.037	1.40	19.3	23.5	0.62	1620	1.44	1.53	7.4	9.5	2430
CC44824		2.16	16.15	0.13	2.9	0.022	1.76	18.0	21.5	0.51	861	1.61	2.11	5.8	6.3	1130
CC44825		3.42	14.10	0.14	2.1	0.048	1.53	28.3	31.2	0.96	1560	1.20	1.09	10.2	16.0	2230
CC44826		3.67	15.55	0.20	2.1	0.061	1.55	34.9	42.1	0.92	768	1.03	0.95	12.9	20.4	1440
CC44827		4.19	14.85	0.19	1.9	0.056	1.52	32.5	35.8	1.12	910	0.72	1.00	9.2	18.0	1330
CC44828		4.04	13.90	0.17	2.3	0.049	1.35	29.9	32.1	0.79	1040	1.26	1.04	10.4	17.7	1880
CC44829		4.02	14.00	0.19	2.2	0.053	1.46	34.5	34.3	0.81	1320	1.13	1.00	10.9	21.0	1770
CC44830		3.73	14.70	0.17	2.4	0.044	1.53	42.3	37.1	0.90	622	1.19	1.07	11.5	21.3	1060
CC44831		2.96	14.45	0.16	2.0	0.038	1.55	35.8	31.8	0.66	469	1.25	0.81	11.7	19.4	1100
CC44832		2.26	14.80	0.15	2.5	0.025	1.67	24.9	19.7	0.51	601	1.34	1.38	8.6	12.0	1680
CC44833		1.89	14.65	0.17	2.6	0.031	1.72	29.0	19.0	0.43	454	1.47	1.64	6.9	10.0	1950
CC44834		3.14	15.00	0.21	3.2	0.050	2.13	43.1	36.5	1.01	555	1.04	0.73	13.0	28.8	720
CC44835		4.18	31.2	0.27	6.2	0.067	4.03	64.4	28.5	0.74	423	1.06	0.16	27.7	34.3	540



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 Finalized Date: 19-SEP-2013  
 Account: MTT

Project: HDL

CERTIFICATE OF ANALYSIS	WH13158877
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Sample Description	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	
	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	
CC44801	14.8	88.8	<0.002	0.03	2.43	11.1	2	1.9	94.1	0.92	0.06	9.1	0.366	0.50	2.1	
CC44802	13.1	82.5	<0.002	0.04	4.89	12.3	2	1.9	104.0	0.86	0.08	9.0	0.369	0.49	2.3	
CC44803	14.1	85.7	<0.002	0.02	1.50	12.9	2	1.9	133.0	0.88	0.07	9.4	0.405	0.47	2.2	
CC44804	14.8	89.3	<0.002	0.03	6.37	16.1	2	1.7	125.5	0.79	0.10	7.4	0.445	0.51	2.1	
CC44805	16.3	72.0	<0.002	0.07	6.96	13.6	2	1.5	175.0	0.70	0.06	5.7	0.390	0.36	1.7	
CC44806	14.4	92.2	<0.002	0.03	0.91	10.5	2	1.9	230	0.84	0.05	7.8	0.366	0.47	2.3	
CC44807	16.1	85.7	<0.002	0.02	1.12	10.4	1	2.1	104.0	0.92	0.06	10.7	0.360	0.51	2.2	
CC44808	11.0	61.6	<0.002	0.03	1.21	18.4	2	1.6	166.5	0.68	0.08	7.9	0.443	0.35	1.9	
CC44809	17.9	70.6	<0.002	0.09	1.04	6.6	1	1.0	428	0.55	0.06	6.3	0.277	0.42	2.3	
CC44810	46.1	94.1	<0.002	0.15	3.53	9.7	2	2.1	95.7	0.97	0.14	10.0	0.370	0.78	2.6	
CC44811	15.1	71.8	<0.002	0.05	0.93	6.2	2	1.4	338	0.72	<0.05	7.8	0.282	0.45	2.4	
CC44812	27.7	120.0	<0.002	0.06	1.77	10.8	2	2.4	94.1	1.14	0.08	12.3	0.381	0.90	3.0	
CC44813	35.4	101.5	<0.002	0.05	1.77	9.9	2	2.8	83.1	1.08	0.08	11.3	0.371	0.95	2.9	
CC44814	39.0	128.5	<0.002	0.31	2.71	13.5	3	2.6	108.0	1.10	0.14	15.2	0.390	0.95	4.4	
CC44815	20.7	83.6	<0.002	0.07	1.71	10.3	2	2.0	173.5	0.98	0.07	9.7	0.388	0.56	2.8	
CC44816	10.9	66.5	<0.002	0.04	1.35	14.2	2	1.9	116.0	0.74	0.06	7.9	0.557	0.38	1.9	
CC44817	18.8	84.8	<0.002	0.04	1.99	10.0	2	2.0	75.4	0.93	0.06	10.1	0.371	0.60	2.3	
CC44818	11.7	73.4	<0.002	0.05	1.13	20.1	2	1.6	194.5	0.72	0.08	6.4	0.446	0.35	1.6	
CC44819	17.6	83.7	<0.002	0.04	0.94	14.6	2	1.9	126.0	0.81	0.09	8.4	0.406	0.51	1.9	
CC44820	24.7	62.2	<0.002	0.03	2.03	18.6	2	1.7	76.2	0.78	0.09	7.1	0.402	0.43	1.8	
CC44821	13.2	62.6	<0.002	0.03	1.70	16.4	2	1.8	72.8	0.72	0.08	9.0	0.360	0.39	2.1	
CC44822	15.2	90.0	<0.002	0.06	0.94	10.4	2	2.0	93.4	0.88	0.05	9.0	0.348	0.50	2.3	
CC44823	12.2	59.6	<0.002	0.10	0.77	10.2	2	1.3	269	0.56	<0.05	6.1	0.283	0.30	1.9	
CC44824	8.9	50.6	<0.002	0.06	0.63	6.1	1	0.9	418	0.49	<0.05	5.2	0.233	0.27	1.9	
CC44825	14.1	69.8	<0.002	0.07	0.82	11.6	1	1.5	169.0	0.73	0.07	7.7	0.366	0.43	1.8	
CC44826	16.6	81.1	<0.002	0.05	0.93	12.4	1	1.9	117.0	0.92	0.07	9.3	0.368	0.54	1.9	
CC44827	12.8	71.6	<0.002	0.05	2.41	17.2	2	1.5	119.0	0.64	0.05	8.5	0.414	0.44	1.8	
CC44828	13.4	63.7	<0.002	0.08	1.14	12.6	1	1.6	135.0	0.70	0.06	7.2	0.381	0.38	1.8	
CC44829	17.2	69.4	<0.002	0.08	1.23	13.4	1	1.6	136.0	0.75	<0.05	8.7	0.345	0.45	2.0	
CC44830	17.1	69.2	<0.002	0.04	1.30	11.1	1	1.8	125.0	0.87	0.05	10.8	0.373	0.47	2.5	
CC44831	17.0	74.6	<0.002	0.03	0.96	8.7	1	1.9	94.7	0.83	0.06	9.9	0.330	0.55	2.4	
CC44832	14.7	64.6	<0.002	0.07	0.72	7.2	1	1.4	253	0.63	<0.05	6.9	0.272	0.45	2.1	
CC44833	13.8	57.6	<0.002	0.07	0.56	6.2	1	1.1	307	0.51	<0.05	6.2	0.212	0.39	2.4	
CC44834	18.2	77.5	<0.002	0.02	1.25	12.4	1	1.9	93.3	0.96	0.10	11.9	0.396	0.52	2.9	
CC44835	25.5	160.0	<0.002	0.02	2.28	18.7	1	3.9	49.6	1.86	0.08	23.6	0.675	0.97	4.1	



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Project: HDL

CERTIFICATE OF ANALYSIS	WH13158877
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Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
CC44801		129	3.1	13.0	101	79.1
CC44802		147	4.2	13.5	105	80.9
CC44803		138	2.8	14.4	91	91.8
CC44804		172	5.6	14.0	124	95.9
CC44805		147	2.7	12.7	203	87.4
CC44806		97	1.2	12.3	76	111.5
CC44807		116	1.5	13.3	87	72.0
CC44808		160	1.1	20.3	98	86.7
CC44809		67	1.0	9.4	74	119.0
CC44810		117	2.1	11.9	53	82.1
CC44811		64	1.1	9.8	56	115.0
CC44812		109	2.0	14.9	75	90.3
CC44813		115	1.9	13.8	79	85.2
CC44814		136	1.9	27.0	93	108.5
CC44815		99	2.0	14.2	95	97.4
CC44816		174	1.2	15.4	89	80.5
CC44817		111	1.7	12.1	84	81.3
CC44818		191	1.2	17.6	129	84.7
CC44819		150	1.2	14.0	121	71.4
CC44820		138	1.6	16.6	164	115.0
CC44821		171	1.8	21.9	114	69.9
CC44822		106	1.4	13.5	83	79.8
CC44823		75	1.0	11.5	97	97.7
CC44824		53	0.8	8.8	61	109.0
CC44825		107	1.2	13.4	82	78.5
CC44826		110	1.4	14.1	84	74.6
CC44827		137	8.7	21.6	83	65.8
CC44828		106	1.3	19.0	92	84.0
CC44829		108	1.8	22.0	82	75.0
CC44830		113	1.5	14.8	76	86.2
CC44831		104	1.8	11.6	89	78.4
CC44832		70	0.9	9.1	100	97.8
CC44833		51	0.8	15.2	55	102.5
CC44834		98	1.5	20.8	87	113.5
CC44835		175	3.4	24.8	97	224

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





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**CERTIFICATE OF ANALYSIS WH13158877**

<b>CERTIFICATE COMMENTS</b>	
	<b>ANALYTICAL COMMENTS</b>
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61
	<b>LABORATORY ADDRESSES</b>
Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada. LOG-22 SCR-41 WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-ICP21 ME-MS61



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 Account: MTT

**CERTIFICATE WH13128498**

Project: HDL  
 P.O. No.:  
 This report is for 42 Silt samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2013.  
 The following have access to data associated with this certificate:  
 HEATHER BURRELL                      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-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	51 anal. aqua regia ICPMS	

To: STRATEGIC METALS LTD.  
 ATTN: JOAN MARIACHER  
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
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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.

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

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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 Account: MTT

Project: HDL

CERTIFICATE OF ANALYSIS	WH13128498
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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 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
	LOR	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
ZZ79618		0.20	0.056	1.30	2.04	148.0	<0.2	<10	280	4.02	0.37	0.31	2.60	82.8	46.1	20
ZZ79619		0.24	0.184	2.12	3.41	197.5	<0.2	<10	350	7.31	0.36	0.43	5.20	91.5	85.9	19
ZZ79620		0.21	0.078	1.78	2.56	182.0	<0.2	<10	390	5.08	0.36	0.48	5.59	77.2	81.7	19
ZZ79621		0.21	0.077	1.89	2.82	194.5	<0.2	<10	370	5.11	0.36	0.40	4.25	75.4	75.7	20
ZZ79622		0.18	0.059	1.17	2.00	185.5	<0.2	<10	320	3.19	0.31	0.49	1.42	71.3	34.3	22
ZZ79623		0.19	0.031	0.79	1.31	129.0	<0.2	<10	350	1.10	0.29	0.63	1.59	46.7	18.2	18
ZZ79624		0.18	0.050	2.45	4.78	263	<0.2	<10	430	10.95	0.33	0.88	4.17	94.0	73.0	23
ZZ79625		0.20	0.039	1.81	3.31	222	<0.2	<10	470	7.22	0.31	0.84	5.53	91.5	97.0	24
ZZ79626		0.20	0.050	1.31	2.04	143.0	<0.2	<10	450	3.22	0.33	1.02	3.16	56.9	30.4	22
ZZ79627		0.11	0.038	0.94	2.06	142.0	<0.2	<10	340	3.37	0.28	0.76	2.44	54.9	35.3	20
ZZ79628		0.23	0.026	0.83	1.57	83.8	<0.2	<10	330	1.36	0.29	0.68	1.58	48.0	18.6	23
ZZ79629		0.17	0.041	1.02	1.52	126.0	<0.2	<10	400	1.49	0.31	0.69	2.20	51.8	19.9	23
ZZ79630		0.18	0.040	1.04	1.53	157.5	<0.2	<10	360	2.00	0.29	0.73	2.61	53.1	26.9	21
ZZ79631		0.20	0.037	0.94	2.05	126.0	<0.2	<10	370	3.02	0.26	0.71	2.65	55.4	36.1	23
ZZ79632		0.20	0.037	0.91	1.42	140.5	<0.2	<10	410	1.50	0.30	1.17	1.87	49.7	23.6	19
ZZ79633		0.17	0.039	1.06	1.67	120.5	<0.2	<10	420	1.40	0.31	0.85	1.41	53.3	23.3	23
ZZ79634		0.20	0.025	0.79	1.65	94.9	<0.2	<10	380	1.54	0.27	0.90	1.52	47.8	23.9	25
ZZ79635		0.20	0.006	0.36	1.61	29.3	<0.2	<10	350	0.64	0.20	0.49	0.73	37.1	14.9	20
ZZ79636		0.14	0.006	0.36	1.40	19.1	<0.2	<10	410	0.76	0.21	0.99	0.97	34.1	12.4	20
ZZ79637		0.26	0.003	0.17	1.33	12.8	<0.2	<10	260	0.44	0.24	0.47	0.38	42.1	11.5	19
ZZ79638		0.10	0.011	0.47	1.55	25.9	<0.2	<10	370	0.90	0.25	0.74	1.04	40.1	16.0	23
ZZ79639		0.16	0.006	0.16	1.34	14.8	<0.2	<10	290	0.47	0.22	0.45	0.40	37.2	12.0	19
ZZ79640		0.17	0.055	0.29	1.39	15.0	<0.2	<10	440	0.57	0.13	1.94	1.37	21.8	8.1	20
ZZ79641		0.20	0.006	0.35	2.26	13.5	<0.2	<10	370	0.83	0.21	0.79	0.22	36.9	9.5	22
ZZ79642		0.19	0.013	0.21	1.89	28.4	<0.2	<10	300	0.51	0.19	0.89	0.58	25.8	13.8	20
ZZ79643		0.18	0.006	0.38	1.96	25.6	<0.2	<10	350	0.66	0.17	1.13	0.52	28.9	9.1	21
ZZ79644		0.16	0.004	0.27	1.75	22.3	<0.2	<10	310	0.55	0.17	0.92	0.47	27.4	9.5	18
ZZ79645		0.25	0.004	0.28	2.07	25.9	<0.2	<10	350	0.69	0.18	0.85	0.25	31.4	9.9	19
ZZ79646		0.13	0.031	0.37	1.90	45.5	<0.2	<10	330	0.72	0.16	2.08	0.56	19.40	10.1	21
ZZ79647		0.15	0.017	0.36	2.15	49.2	<0.2	10	350	0.77	0.20	1.90	0.42	20.4	13.6	23
ZZ79648		0.13	0.010	0.48	2.03	21.6	<0.2	<10	430	0.72	0.16	0.81	0.74	33.8	10.4	19
ZZ79649		0.16	0.030	0.28	1.86	19.0	<0.2	<10	480	0.66	0.15	0.76	0.59	34.0	10.5	16
ZZ79650		0.16	0.006	0.95	1.98	22.9	<0.2	<10	700	0.75	0.20	0.99	4.46	43.9	14.5	23
ZZ79701		0.18	0.005	0.48	1.91	16.9	<0.2	<10	410	0.55	0.17	0.45	1.43	40.1	15.4	17
ZZ79702		0.10	0.009	0.68	1.87	16.6	<0.2	<10	590	0.67	0.18	0.91	3.77	41.6	14.5	19
ZZ79703		0.17	0.006	0.33	1.53	9.5	<0.2	<10	470	0.41	0.14	0.93	2.16	31.0	14.0	14
ZZ79704		0.23	0.004	0.33	1.76	9.7	<0.2	<10	370	0.42	0.13	0.46	0.70	35.1	14.6	13
ZZ79705		0.27	0.005	0.48	1.91	12.1	<0.2	<10	490	0.43	0.14	0.45	1.41	35.2	14.4	16
ZZ79706		0.15	0.004	0.32	1.91	12.4	<0.2	<10	330	0.45	0.14	0.40	0.48	36.9	12.5	18
ZZ79707		0.15	0.004	0.20	1.75	11.0	<0.2	<10	330	0.39	0.15	0.45	0.67	35.9	13.4	16



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Project: HDL

**CERTIFICATE OF ANALYSIS WH13128498**

Sample Description	Method	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	
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Units		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
LOR		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	0.01
ZZ79618		1.87	1120	3.42	4.61	0.15	0.03	0.48	0.050	0.12	48.6	33.2	0.37	1260	4.35	0.01
ZZ79619		2.01	1350	3.64	3.88	0.19	0.11	0.78	0.054	0.17	44.9	27.8	0.28	2530	5.31	0.01
ZZ79620		1.91	1130	3.70	3.86	0.15	0.08	0.70	0.049	0.17	39.7	27.6	0.31	3110	5.00	0.01
ZZ79621		2.08	1070	3.72	3.85	0.15	0.08	0.80	0.052	0.18	38.1	27.4	0.30	2580	5.12	0.01
ZZ79622		1.66	649	3.55	3.85	0.13	0.07	0.56	0.049	0.14	39.9	31.7	0.38	932	4.31	0.01
ZZ79623		1.24	139.0	3.26	3.71	0.08	<0.02	0.26	0.036	0.13	24.9	22.7	0.40	1020	4.14	0.01
ZZ79624		1.83	1415	3.66	3.58	0.22	0.17	1.09	0.051	0.17	51.2	24.0	0.24	2140	5.60	0.01
ZZ79625		1.78	1195	4.17	4.01	0.20	0.13	0.80	0.049	0.17	49.8	26.3	0.33	3530	5.62	0.01
ZZ79626		1.62	473	3.41	3.76	0.12	0.04	0.59	0.038	0.14	32.5	25.9	0.38	1290	3.88	0.01
ZZ79627		1.29	439	3.28	3.35	0.10	0.05	0.44	0.035	0.12	28.6	22.4	0.38	1080	3.81	0.01
ZZ79628		1.34	238	2.92	3.80	0.09	0.03	0.34	0.033	0.11	25.4	28.2	0.50	697	2.70	0.01
ZZ79629		1.18	192.0	3.41	4.08	0.10	0.03	0.41	0.041	0.11	28.2	28.0	0.48	1060	3.38	0.01
ZZ79630		1.26	326	3.35	3.62	0.11	0.04	0.44	0.040	0.13	29.7	24.8	0.39	1240	4.44	0.01
ZZ79631		1.37	580	3.34	3.67	0.11	0.04	0.44	0.036	0.13	29.9	28.6	0.44	1690	3.54	0.01
ZZ79632		1.25	170.5	3.29	3.53	0.10	0.04	0.37	0.037	0.14	28.0	22.8	0.40	1420	3.93	0.01
ZZ79633		1.36	177.5	3.52	4.19	0.11	0.03	0.45	0.033	0.14	31.0	27.6	0.48	1300	3.85	0.01
ZZ79634		1.23	218	3.11	3.97	0.11	0.04	0.34	0.030	0.12	27.1	26.1	0.51	1180	3.21	0.01
ZZ79635		0.88	63.6	2.75	4.21	0.07	0.05	0.14	0.023	0.07	19.7	30.8	0.92	951	1.88	0.01
ZZ79636		0.89	89.5	2.25	3.50	0.07	0.04	0.15	0.021	0.08	19.1	21.5	0.61	699	1.34	0.01
ZZ79637		0.91	42.3	2.44	4.19	0.07	0.02	0.08	0.019	0.07	20.9	20.1	0.56	513	1.28	0.01
ZZ79638		0.94	109.5	2.53	3.90	0.08	0.04	0.20	0.024	0.09	22.1	25.1	0.71	740	1.57	0.01
ZZ79639		0.84	46.2	2.48	4.00	0.06	0.02	0.09	0.019	0.07	18.8	21.5	0.64	619	1.24	0.01
ZZ79640		1.04	75.7	1.88	3.28	0.06	0.02	0.21	0.016	0.06	14.6	22.0	0.46	1390	2.13	0.01
ZZ79641		1.76	78.5	2.33	5.35	0.07	0.02	0.14	0.024	0.07	21.6	33.3	0.73	316	1.24	0.01
ZZ79642		1.16	53.5	3.22	5.34	0.06	0.05	0.06	0.020	0.07	12.6	35.0	0.99	1120	2.34	0.02
ZZ79643		1.58	64.9	2.32	4.39	0.07	0.03	0.13	0.019	0.07	17.8	31.0	0.62	683	1.82	0.01
ZZ79644		1.57	64.5	2.37	4.47	0.06	0.02	0.09	0.021	0.07	15.5	27.9	0.65	661	1.28	0.01
ZZ79645		1.82	65.0	2.54	5.29	0.06	0.02	0.09	0.025	0.06	17.2	33.0	0.67	457	1.25	0.01
ZZ79646		3.03	152.0	2.26	4.66	0.06	0.04	0.16	0.018	0.09	15.0	26.9	0.54	990	1.24	0.02
ZZ79647		4.79	181.0	2.78	5.67	0.05	0.05	0.17	0.024	0.11	10.7	33.3	0.66	1010	1.08	0.02
ZZ79648		2.05	85.0	2.42	4.46	0.08	0.02	0.16	0.020	0.08	19.0	26.5	0.64	895	1.20	0.01
ZZ79649		2.18	81.9	2.26	4.33	0.07	0.02	0.14	0.019	0.07	17.6	23.8	0.59	1040	1.24	0.01
ZZ79650		1.93	92.8	2.73	4.23	0.11	0.03	0.35	0.029	0.08	30.8	34.3	0.87	1300	1.42	0.01
ZZ79701		1.06	57.5	2.78	4.31	0.10	0.04	0.15	0.027	0.06	22.4	37.2	1.21	1060	1.75	<0.01
ZZ79702		1.55	96.1	2.64	4.24	0.12	0.04	0.26	0.027	0.09	28.1	35.0	1.10	1390	1.66	0.01
ZZ79703		0.87	231	2.18	3.53	0.08	0.05	0.15	0.020	0.07	17.8	31.3	1.11	1270	1.39	0.01
ZZ79704		0.65	39.3	2.53	3.92	0.08	0.05	0.10	0.023	0.06	18.3	33.5	1.29	896	1.67	0.01
ZZ79705		0.86	52.7	2.82	4.03	0.08	0.06	0.15	0.024	0.06	19.8	36.6	1.34	1020	1.82	0.01
ZZ79706		0.78	41.2	2.78	4.34	0.08	0.05	0.15	0.022	0.06	20.2	39.0	1.33	861	2.13	0.01
ZZ79707		0.77	40.6	2.59	4.03	0.08	0.05	0.12	0.020	0.06	19.3	35.1	1.31	872	1.74	<0.01



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Project: HDL

CERTIFICATE OF ANALYSIS	WH13128498
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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
ZZ79618		0.53	62.1	1140	82.4	16.3	0.002	0.18	3.07	2.2	3.7	0.4	44.9	0.01	0.15	0.8
ZZ79619		0.62	104.5	1550	118.0	15.6	0.003	0.33	4.08	4.4	5.4	0.4	50.3	0.01	0.20	2.4
ZZ79620		0.53	101.5	1520	115.0	15.4	0.003	0.32	4.01	3.2	4.4	0.4	50.1	0.01	0.18	1.6
ZZ79621		0.55	85.6	1530	117.0	16.2	0.004	0.35	4.05	3.7	4.3	0.4	48.9	0.01	0.20	2.0
ZZ79622		0.57	68.1	1270	92.5	13.8	0.005	0.25	3.16	3.1	4.7	0.4	57.7	0.01	0.16	1.4
ZZ79623		0.53	46.6	1110	64.9	14.1	0.001	0.22	2.71	1.8	2.0	0.4	62.5	<0.01	0.14	0.6
ZZ79624		0.66	143.0	1850	94.5	13.6	0.019	0.36	4.14	5.8	8.3	0.4	87.6	0.01	0.19	2.9
ZZ79625		0.66	127.0	1690	93.8	13.3	0.007	0.32	4.15	5.5	7.2	0.4	76.1	0.01	0.18	2.5
ZZ79626		0.57	82.5	1430	69.1	15.1	0.009	0.25	3.08	2.6	3.5	0.4	79.7	0.01	0.15	0.8
ZZ79627		0.66	63.5	1290	64.7	11.5	0.003	0.22	2.87	2.8	3.0	0.3	60.4	<0.01	0.14	1.3
ZZ79628		0.72	62.3	990	41.8	12.1	0.009	0.11	2.26	3.1	2.7	0.4	50.5	<0.01	0.10	1.4
ZZ79629		0.65	66.2	1060	61.1	12.2	0.006	0.18	2.75	3.1	2.5	0.4	61.2	<0.01	0.14	1.3
ZZ79630		0.60	65.6	1130	67.0	11.5	0.003	0.22	3.35	2.8	3.2	0.4	63.5	<0.01	0.15	1.2
ZZ79631		0.61	80.1	1200	58.3	12.2	0.006	0.21	2.79	3.2	3.8	0.3	57.6	0.01	0.11	1.4
ZZ79632		0.59	53.3	1310	70.5	13.7	0.003	0.26	3.03	2.2	2.7	0.3	83.1	<0.01	0.15	0.7
ZZ79633		0.65	50.7	1190	68.5	13.5	0.003	0.22	2.88	2.9	2.9	0.4	66.2	<0.01	0.13	0.9
ZZ79634		0.70	46.9	1140	43.1	12.2	0.005	0.17	2.61	2.9	3.2	0.4	61.7	<0.01	0.09	1.0
ZZ79635		0.68	34.2	830	18.2	7.0	0.001	0.04	1.00	3.0	1.4	0.3	29.1	<0.01	0.07	2.1
ZZ79636		0.76	28.4	1060	15.6	9.4	0.002	0.07	0.89	2.3	1.6	0.3	51.3	<0.01	0.06	1.5
ZZ79637		0.83	22.8	790	12.0	8.4	<0.001	0.02	0.77	2.7	0.7	0.4	27.8	<0.01	0.05	2.4
ZZ79638		0.75	36.1	1010	20.5	9.4	0.002	0.07	1.17	2.8	2.3	0.3	42.2	<0.01	0.07	1.9
ZZ79639		0.80	23.3	730	12.6	7.5	0.001	0.02	0.76	2.9	0.7	0.3	25.0	<0.01	0.05	3.2
ZZ79640		0.71	15.8	1300	7.0	8.7	0.028	0.15	0.95	1.7	6.6	0.3	92.5	<0.01	0.04	0.3
ZZ79641		0.81	17.9	1190	10.8	11.3	0.003	0.06	0.53	2.6	2.0	0.5	52.3	<0.01	0.03	0.5
ZZ79642		1.17	22.2	790	11.4	7.7	0.003	0.04	0.65	3.7	1.5	0.4	48.9	<0.01	0.04	1.1
ZZ79643		0.78	16.8	1200	8.6	10.5	0.006	0.08	0.63	2.5	2.3	0.4	65.6	<0.01	0.03	0.5
ZZ79644		0.80	17.0	1040	8.9	10.0	0.002	0.07	0.61	2.4	1.8	0.4	56.6	<0.01	0.05	0.4
ZZ79645		0.88	15.9	1000	9.4	10.2	0.005	0.07	0.62	2.5	2.4	0.5	52.3	<0.01	0.04	0.3
ZZ79646		0.77	15.0	1470	9.1	14.3	0.003	0.12	0.95	2.0	3.1	0.3	95.2	<0.01	0.04	0.3
ZZ79647		0.81	19.4	1500	11.3	18.0	0.002	0.11	0.79	2.7	2.3	0.4	79.8	<0.01	0.06	0.5
ZZ79648		0.74	15.1	1370	9.5	9.8	0.001	0.11	0.61	2.3	3.8	0.4	39.9	<0.01	0.04	0.2
ZZ79649		0.72	14.5	1220	9.2	8.4	0.001	0.10	0.66	2.1	3.9	0.4	35.7	<0.01	0.05	0.2
ZZ79650		0.57	49.7	1320	20.7	13.1	0.007	0.12	1.25	2.0	5.2	0.4	44.0	<0.01	0.07	0.4
ZZ79701		0.43	41.2	1010	17.0	7.9	0.001	0.05	0.96	2.5	2.2	0.3	23.9	<0.01	0.07	1.1
ZZ79702		0.44	55.0	1290	18.7	8.3	0.002	0.10	1.04	2.3	4.4	0.3	41.5	<0.01	0.09	0.6
ZZ79703		0.37	40.8	1120	13.0	5.4	0.001	0.10	0.79	2.0	2.2	0.2	40.1	<0.01	0.07	0.9
ZZ79704		0.29	36.2	950	13.3	5.7	0.001	0.04	0.64	2.4	1.7	0.2	23.5	<0.01	0.09	1.2
ZZ79705		0.36	44.3	990	13.3	6.4	0.001	0.05	0.75	2.7	2.3	0.2	23.7	<0.01	0.09	1.4
ZZ79706		0.43	34.2	810	11.7	5.4	0.001	0.03	0.86	2.6	1.5	0.3	23.4	<0.01	0.08	1.5
ZZ79707		0.43	32.1	850	12.8	6.5	0.001	0.04	0.72	2.4	1.5	0.2	24.7	<0.01	0.08	1.6

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CERTIFICATE OF ANALYSIS	WH13128498
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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
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ79618		0.020	0.78	4.22	37	0.18	84.2	442	0.5
ZZ79619		0.018	0.99	10.90	29	0.21	89.5	663	3.1
ZZ79620		0.018	1.14	7.09	31	0.13	63.8	649	1.7
ZZ79621		0.017	1.10	7.25	30	0.11	60.8	628	2.3
ZZ79622		0.023	0.49	10.65	37	0.11	75.0	478	1.6
ZZ79623		0.024	0.47	5.61	35	0.11	16.65	275	0.5
ZZ79624		0.018	0.66	21.9	31	0.12	129.5	844	5.0
ZZ79625		0.025	0.79	13.65	33	0.13	103.5	799	3.6
ZZ79626		0.022	0.52	8.43	34	0.11	47.8	566	0.9
ZZ79627		0.023	0.43	5.86	31	0.11	41.7	441	1.4
ZZ79628		0.031	0.32	4.71	33	0.19	24.8	351	0.8
ZZ79629		0.029	0.46	5.78	37	0.12	25.6	265	0.9
ZZ79630		0.026	0.49	5.89	34	0.13	31.0	357	1.0
ZZ79631		0.029	0.44	5.15	37	0.12	44.4	516	1.1
ZZ79632		0.023	0.50	5.48	33	0.12	26.7	307	0.9
ZZ79633		0.030	0.43	5.78	38	0.14	31.4	267	0.7
ZZ79634		0.032	0.31	5.28	37	0.15	30.1	265	1.0
ZZ79635		0.030	0.13	1.79	32	0.14	15.00	140	1.4
ZZ79636		0.028	0.13	2.24	28	0.16	15.60	152	1.1
ZZ79637		0.046	0.10	0.80	35	0.21	9.39	82	0.5
ZZ79638		0.032	0.15	2.33	32	0.35	20.0	166	1.1
ZZ79639		0.047	0.10	0.86	37	0.18	9.94	89	0.8
ZZ79640		0.031	0.10	8.46	30	0.54	19.55	96	0.6
ZZ79641		0.053	0.10	17.00	43	0.20	20.8	102	0.6
ZZ79642		0.092	0.08	5.75	55	0.16	12.70	110	1.4
ZZ79643		0.048	0.09	9.62	46	0.16	18.20	93	0.7
ZZ79644		0.053	0.08	7.62	47	0.15	14.50	98	0.6
ZZ79645		0.060	0.09	7.36	53	0.20	15.95	86	0.6
ZZ79646		0.035	0.11	12.85	66	0.12	16.30	104	1.1
ZZ79647		0.040	0.14	5.41	78	0.14	10.90	120	1.3
ZZ79648		0.053	0.10	2.50	47	0.18	22.5	112	<0.5
ZZ79649		0.050	0.10	1.52	42	0.19	20.1	96	0.5
ZZ79650		0.024	0.13	7.31	30	0.12	37.0	510	0.8
ZZ79701		0.019	0.10	1.90	28	0.08	20.4	247	1.2
ZZ79702		0.019	0.12	7.14	27	0.09	33.0	400	1.1
ZZ79703		0.016	0.07	2.36	21	0.05	16.20	245	1.7
ZZ79704		0.013	0.08	1.35	24	0.06	13.90	184	1.6
ZZ79705		0.017	0.08	1.88	27	0.08	17.45	263	1.8
ZZ79706		0.020	0.08	2.22	29	0.07	13.60	139	1.6
ZZ79707		0.018	0.08	1.63	26	0.08	12.05	140	1.8



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Project: HDL

**CERTIFICATE OF ANALYSIS WH13128498**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 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
ZZ79708		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
ZZ79709		0.32	0.003	0.32	1.20	14.1	<0.2	<10	290	0.38	0.23	0.50	0.51	32.4	9.0	18
		0.26	0.004	0.37	1.48	15.4	<0.2	<10	320	0.41	0.19	0.47	0.63	33.9	12.5	17

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



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Project: HDL

**CERTIFICATE OF ANALYSIS WH13128498**

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
ZZ79708		0.75	29.6	2.18	3.55	0.05	<0.02	0.09	0.021	0.06	16.3	20.3	0.59	474	1.40	0.01
ZZ79709		0.81	41.9	2.49	4.14	0.07	0.04	0.13	0.022	0.06	18.7	30.1	0.97	786	1.83	0.01

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**CERTIFICATE OF ANALYSIS WH13128498**

Sample Description	Method Analyte Units LOR	ME-MS41 Nb ppm	ME-MS41 Ni ppm	ME-MS41 P ppm	ME-MS41 Pb ppm	ME-MS41 Rb ppm	ME-MS41 Re ppm	ME-MS41 S %	ME-MS41 Sb ppm	ME-MS41 Sc ppm	ME-MS41 Se ppm	ME-MS41 Sn ppm	ME-MS41 Sr ppm	ME-MS41 Ta ppm	ME-MS41 Te ppm	ME-MS41 Th 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
ZZ79708		0.62	26.0	820	10.7	6.9	0.001	0.02	0.67	1.8	1.2	0.3	30.4	<0.01	0.05	1.0
ZZ79709		0.59	30.5	760	12.8	5.6	0.001	0.02	0.87	2.7	1.4	0.3	26.9	<0.01	0.07	1.6

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



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Project: HDL

**CERTIFICATE OF ANALYSIS WH13128498**

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
ZZ79708		0.023	0.09	1.04	25	0.17	9.04	88	<0.5
ZZ79709		0.021	0.09	1.91	26	0.13	14.60	109	1.2

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**CERTIFICATE OF ANALYSIS WH13128498**

**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

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

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.  
 LOG-22 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
 Au-ICP21 ME-MS41



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 Account: MTT

**CERTIFICATE WH13158878**

Project: HDL  
 P.O. No.:  
 This report is for 7 Silt samples submitted to our lab in Whitehorse, YT, Canada on 2-SEP-2013.  
 The following have access to data associated with this certificate:

HEATHER BURRELL	SARAH DRECHSLER	JOAN MARIACHER
-----------------	-----------------	----------------

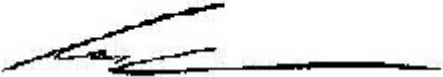
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
ME-MS61	48 element four acid ICP-MS
Au-ICP21	Au 30g FA ICP-AES Finish <span style="float: right;">ICP-AES</span>

To: STRATEGIC METALS LTD.  
 ATTN: JOAN MARIACHER  
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
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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.

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

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH13158878**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
CC89007		0.17	0.052	1.68	5.90	276	1090	2.17	0.42	0.50	1.59	76.1	18.6	63	6.89	195.0
CC89008		0.23	0.090	1.71	5.71	142.0	1140	1.94	0.41	0.57	0.59	75.4	15.1	70	6.80	56.7
CC89009		0.19	0.037	0.91	5.29	106.0	1000	2.60	0.33	0.59	0.77	72.7	43.6	67	6.62	55.6
CC89010		0.19	0.154	1.83	4.96	135.5	1090	1.69	0.30	0.69	1.53	66.6	11.9	64	5.85	54.7
CC89011		0.18	0.005	0.63	5.20	8.2	1150	1.49	0.22	0.88	1.13	74.7	12.6	49	4.26	35.2
CC89012		0.18	0.003	0.25	5.22	8.8	1010	1.44	0.21	0.93	1.18	71.1	14.3	51	3.92	29.7
CC89013		0.30	0.009	0.44	5.59	88.1	1150	1.40	0.29	0.46	0.26	71.1	11.5	79	4.07	69.6



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 Account: MTT

Project: HDL

**CERTIFICATE OF ANALYSIS WH13158878**

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
Units		%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
LOR		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
CC89007		3.58	17.45	0.17	2.8	0.071	2.22	40.2	24.9	0.53	1140	6.40	0.43	11.5	29.4	1650
CC89008		3.82	18.15	0.19	3.0	0.066	2.21	41.2	28.6	0.61	744	5.80	0.43	11.4	33.9	1380
CC89009		3.86	15.95	0.19	2.6	0.066	1.93	37.0	27.3	0.62	1370	5.36	0.50	9.7	45.7	1250
CC89010		3.38	14.10	0.20	2.3	0.047	1.72	34.9	27.9	0.65	825	4.11	0.52	9.5	35.2	1380
CC89011		2.62	14.15	0.19	2.3	0.039	1.44	36.8	29.0	0.67	1640	1.93	0.92	11.0	23.8	1710
CC89012		2.80	14.75	0.17	2.3	0.039	1.58	33.5	25.9	0.73	2030	1.92	1.03	11.1	24.0	1630
CC89013		4.39	16.20	0.18	2.6	0.076	1.78	34.6	35.2	1.06	670	13.35	0.68	11.3	33.3	680



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 Finalized Date: 19-SEP-2013  
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Project: HDL

**CERTIFICATE OF ANALYSIS WH13158878**

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
CC89007		94.2	117.0	<0.002	0.37	5.77	13.2	3	2.1	114.5	0.75	0.18	10.3	0.315	1.71	5.3
CC89008		65.1	125.0	0.002	0.40	5.45	14.7	3	2.3	96.1	0.78	0.22	11.1	0.313	2.08	4.4
CC89009		37.2	113.0	<0.002	0.22	4.99	12.7	2	1.9	89.8	0.67	0.13	8.8	0.308	1.48	3.4
CC89010		83.3	91.9	0.002	0.22	5.59	12.3	3	1.9	90.3	0.66	0.15	8.5	0.276	2.00	3.5
CC89011		17.1	74.0	<0.002	0.08	1.09	11.4	2	1.8	156.0	0.78	<0.05	9.2	0.329	0.55	3.2
CC89012		17.7	76.6	<0.002	0.07	1.24	9.4	1	1.6	179.0	0.77	<0.05	8.8	0.337	0.49	2.7
CC89013		27.6	86.9	<0.002	0.23	6.14	13.7	2	1.8	70.6	0.77	0.28	8.6	0.421	0.93	3.2



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**CERTIFICATE OF ANALYSIS WH13158878**

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
CC89007		157	3.1	24.6	149	103.5
CC89008		154	3.0	24.7	132	108.0
CC89009		120	2.4	21.6	130	96.4
CC89010		125	1.8	26.5	148	85.1
CC89011		96	1.2	24.0	133	86.1
CC89012		94	1.9	17.1	104	86.3
CC89013		158	2.8	17.3	74	100.5

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





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CERTIFICATE OF ANALYSIS WH13158878

CERTIFICATE COMMENTS	
	<p style="text-align: center;"><b>ANALYTICAL COMMENTS</b></p> <p>Applies to Method: REE's may not be totally soluble in this method. ME-MS61</p> <p style="text-align: center;"><b>LABORATORY ADDRESSES</b></p> <p>Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada. LOG-22 SCR-41 WEI-21</p> <p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-ICP21 ME-MS61</p>

**APPENDIX IV**  
**ROCK SAMPLE DESCRIPTIONS**

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**Rock Sample Descriptions**

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Property: HDL

Sample Number: K269133 UTM: 481871 mE Nad83, Zone 9  
Elevation: 1450 m UTM: 6724919 mN

Comments: Specimen sample from outcrop of rusty weathered, silicified chert with 5-8% disseminated pyrite and arsenopyrite. Close to start of creek. Sample size 16 x 10 x 12 cm.

---

Sample Number: L841951 UTM: 481795 mE Nad83, Zone 9  
Elevation: 1457 m UTM: 6725022 mN

Comments: Float. White, milky quartz vein float. Barren pits, no limonite. Rep taken.

---

Sample Number: L841952 UTM: 481792 mE Nad83, Zone 9  
Elevation: 1464 m UTM: 6725027 mN

Comments: Float. Purple coloured altered chert? No fresh surface. Rep taken.

---

Sample Number: L841953 UTM: 482013 mE Nad83, Zone 9  
Elevation: 1358 m UTM: 6724985 mN

Comments: Outcrop on creek (North Fork). Very altered quartz-porphyrific felsic dyke crosscut by white-> blue grey quartz veins hosting fine-grained pyrite and galena. Rep taken.

---

Sample Number: L841954 UTM: 482005 mE Nad83, Zone 9  
Elevation: 1368 m UTM: 6725009 mN

Comments: Outcrop-specimen sample. Limonite and green clay gouge hosted in meta-mudstone stratigraphically above L841953. Rep taken.

---

Sample Number: L841955 UTM: 482015 mE Nad83, Zone 9  
Elevation: 1360 m UTM: 6725005 mN

Comments: Outcrop. Light green, soft felsic dyke hosting py, gn on rims of quartz/white calcite phenocrysts. Rep taken.

---

Sample Number: L841956 UTM: 482021 mE Nad83, Zone 9  
Elevation: 1358 m UTM: 6724997 mN

Comments: Outcrop. Light green felsic dyke hosting fine grained galena and pyrite ~5-7%. Rep taken and photo.

---

---

**Rock Sample Descriptions**

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Property: HDL

Sample Number: M898092 UTM: 482003 mE Nad83, Zone 9  
Elevation: 1356 m UTM: 6724999 mN

Comments: 1.5 m chip sample. Upper (stratigraphically) contact of mudstone and mineralized felsic dyke. 55->205 foliation plane. Dark grey, aphanitic mudstone with limonite on fractures and pervasively 8 inches above contact. Rep and photo.

---

Sample Number: M898093 UTM: 482003 mE Nad83, Zone 9  
Elevation: 1356 m UTM: 6724999 mN

Comments: 4.0 m chip sample of weathered goethite and limonite, fresh light green-grey, with narrow, 15 cm clay altered zones of mineralized felsic dyke. Interfingers of mudstone. Rep taken and photo.

---

Sample Number: M898094 UTM: 482003 mE Nad83, Zone 9  
Elevation: 1356 m UTM: 6724999 mN

Comments: 0.80 m chip sample of lower (stratigraphically) of mineralized felsic dyke and mudstone. Majority is friable, dark grey, aphanitic mudstone. Rep.

---

Sample Number: N813476 UTM: 482332 mE Nad83, Zone 9  
Elevation: 1327 m UTM: 6724942 mN

Comments: Float. Limonite pitted, 1 cm foliated siliceous lense or chert.

---

Sample Number: N813477 UTM: 482218 mE Nad83, Zone 9  
Elevation: 1473 m UTM: 6725237 mN

Comments: Outcrop-specimen sample. Green chert with limonite in fractures. Rep taken.

---

Sample Number: N813478 UTM: 482121 mE Nad83, Zone 9  
Elevation: 1446 m UTM: 6725195 mN

Comments: Outrop sample. Hematite altered meta-mudstone. Rep taken.

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**Rock Sample Descriptions**

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Property: HDL

Sample Number: N813479 UTM: 481733 mE Nad83, Zone 9

Elevation: 1460 m UTM: 6725036 mN

Comments: Float. Limonite altered meta-mudstone (or mafic volcanics?). Rep taken.

---

Sample Number: N813480 UTM: 482037 mE Nad83, Zone 9

Elevation: 1442 m UTM: 6724774 mN

Comments: Subcrop. Oxidized chert rich breccia, crosscut by < 1cm barren, white quartz veins. Slope has no plants growing. Rep taken

---

Sample Number: N813481 UTM: 482078 mE Nad83, Zone 9

Elevation: 1437 m UTM: 6724694 mN

Comments: Subcrop. Meta-mudstone with 0.5 cm rounded limonite altered...clasts? Rep taken.

---

Sample Number: N813482 UTM: 481980 mE Nad83, Zone 9

Elevation: 1442 m UTM: 6724928 mN

Comments: Outcrop. Limonite altered grey chert with white, quartz vein-minor goethite altered pits. Rep taken.

---

Sample Number: N813483 UTM: 481976 mE Nad83, Zone 9

Elevation: 1426 m UTM: 6724926 mN

Comments: Outcrop. Limonite altered grey chert. Rep taken.

---

Sample Number: N813484 UTM: 481976 mE Nad83, Zone 9

Elevation: 1372 m UTM: 6725000 mN

Comments: 10 cm chip sample of white quartz vein (2.5 cm true width), taken along strike with dusty, strong limonite altered pits hosted in meta-mudstone (at contact with chert) Photo, no rep.

---

Sample Number: N813485 UTM: 482008 mE Nad83, Zone 9

Elevation: 1376 m UTM: 6724983 mN

Comments: 50 cm chip sample of oxidized chert at contact of mudstone and chert.

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**Rock Sample Descriptions**

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Property: HDL

Sample Number: N813486 UTM: 482019 mE Nad83, Zone 9

Elevation: 1413 m UTM: 6724875 mN

Comments: TR-13-001. 1.5 meter chip sample of weakly metamorphed mudstone.

---

Sample Number: N813487 UTM: 482019 mE Nad83, Zone 9

Elevation: 1413 m UTM: 6724875 mN

Comments: TR-13-001. 1.5 meter chip sample of weakly metamorphed mudstone.

---

Sample Number: N813488 UTM: 482019 mE Nad83, Zone 9

Elevation: 1306 m UTM: 6724815 mN

Comments: TR-13-001. 1.5 meter chip sample of weakly metamorphed mudstone.

---

Sample Number: N813489 UTM: 482019 mE Nad83, Zone 9

Elevation: 1413 m UTM: 6724875 mN

Comments: TR-13-001. 1.5 meter chip sample of weakly metamorphed mudstone.

---

Sample Number: N813490 UTM: 482012 mE Nad83, Zone 9

Elevation: 1292 m UTM: 6724970 mN

Comments: Chip sample. Orientation 312 degrees azimuth, 3.5 m long, 45 degree slope. Light green, soft, felsic dyke hosting frequent py, gn on rims of quartz/white calcite phenocrysts

---

Sample Number: N813491 UTM: 482021 mE Nad83, Zone 9

Elevation: 1333 m UTM: 6725006 mN

Comments: Chip sample. Orientation 312 degrees, length 2.0 m, 38 degree slope. Light green, soft felsic dyke hosting less frequent py, gn on rims of quartz/white calcite phenocrysts

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**Rock Sample Descriptions**

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Property: HDL

Sample Number: N813492 UTM: 482035 mE Nad83, Zone 9

Elevation: 1292 m UTM: 6724991 mN

Comments: Chip sample. Orientation 309 degrees, 3.5 m long, 45 degree slope. Light green, soft felsic dyke hosting in-frequent py, +/- gn on rims of quartz/white calcite phenocrysts

---

Sample Number: N813493 UTM: 482035 mE Nad83, Zone 9

Elevation: 1324 m UTM: 6724991 mN

Comments: Chip sample. Orientation 265 degrees, 1.5 m length, 35 degree slope. Light green, soft felsic dyke hosting infrequent py, +/- gn on rims of quartz/white calcite phenocrysts

---