Telephone: 604-688-2568

Fax: 604-688-2578

#### ASSESSMENT REPORT

describing

### PROSPECTING

Field work performed on August 28, 2015

at the

### **MEISTER PROPERTY**

Meister 1-32 YF46967-YF46998

located at

NTS 105B/08 Latitude 60°17'N; Longitude 130°19'W

in the

Watson Lake Mining District Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

### STRATEGIC METALS LTD.

by

A. Mitchell, B.Sc. GIT

January 2016

## **CONTENTS**

APPENDICES	
REFERENCES	12
DISCUSSION AND CONCLUSIONS	11
SOIL GEOCHEMISTRY	11
MINERALIZATION	7
PROPERTY GEOLOGY	6
REGIONAL GEOLOGY	4
GEOMORPHOLOGY	4
HISTORY AND PREVIOUS WORK	1
PROPERTY LOCATION, CLAIM DATA AND ACCESS	1
INTRODUCTION	1

Ι	STATEMENT OF QUALIFICATIONS
II	STATEMENT OF EXPENDITURES
III	CERTIFICATES OF ANALYSIS
IV	ROCK SAMPLE DESCRIPTIONS

# **FIGURES**

<u>No.</u>	Description	Follows Page
1	Property Location	1
2	Claim Locations	1
3	Tectonic Setting	4
4	Regional Geology	5
5	Property Geology	6
6	Stratigraphic Column	6
7	Mineralization	In pocket
8	Zinc, Silver and Lead Geochemistry	11
	TABLES	
<u>No.</u>	Description	Page
Ι	Exploration History of the Meister Property	2
II	Lithological Descriptions	5
III	Significant Historical Trench Results	8

IVSignificant 2015 Trench Results9VDiamond Drill Hole Data10VISignificant Diamond Drill Hole Results10

Archer, Cathro & Associates (1981) Limited

### **INTRODUCTION**

The Meister property covers zinc-silver-lead replacement-style and vein mineralization. The property is located in southeastern Yukon Territory and is wholly owned by Strategic Metals Ltd.

This report describes prospecting completed on August 28, 2015 by Archer, Cathro & Associates (1981) Limited on behalf of Strategic Metals. The author participated in the program and interpreted the results from it. His Statement of Qualifications is provided in Appendix I. A Statement of Expenditures is located in Appendix II.

### PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Meister property is located in southeastern Yukon at latitude  $60^{\circ}17'$  north and longitude  $130^{\circ}19'$  west on NTS map sheet 105B/08 (Figure 1). It comprises 32 contiguous quartz claims that cover an area of approximately 690 hectares (6.9 km<sup>2</sup>). All of 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.

Claim Name	Grant Number	Expiry Date*
Meister 1-32	YF46967-YF46998	March 15, 2021

\* Expiry dates include 2015 work that has been filed for assessment credit.

Access to the property was provided by a Bell 206B helicopter operated by Capital Helicopters of Whitehorse, Y.T. from a gravel pit located at the Rancheria Lodge, which lies on the Alaska Highway, 25 km southwest of the property. All personnel stayed at the Rancheria Lodge.

The community of Watson Lake is the nearest supply centre. It lies 90 km southeast of the property. The property is accessible by a 33 km long four-wheel drive road originated from the Alaska Highway.

### HISTORY AND PREVIOUS WORK

Mineral exploration has identified more than 250 mineral occurrences in the Cassiar Mountain region of northern British Columbia and southeastern Yukon (Deklerk and Traynor, 2005 and British Columbia Minfile, 2015). A high proportion of these occurrences are in the Rancheria District where various types of silver-bearing mineralization are associated with Cretaceous igneous activity. Although some discoveries were made in the first half of the twentieth century, most were made after 1950 when construction of the Alaska Highway greatly improved access. The period of maximum exploration activity occurred in the early to mid-1980s and was stimulated by drill discoveries at the Silvertip Mine (JDS Silver Inc.), Logan Deposit (Yukon Zinc Corp. and Almaden Minerals Ltd.) and Silver Hart Deposit (CMC Metals Ltd.), the locations of which are all shown on Figure 1. Table I summarizes work performed and results





obtained by exploration programs conducted since 1981 at the Meister property. Historical work areas are shown on Figure 2.

Year of	Owner/	Work Performed	Results
Work	Operator		
(Report)			
1981 (091028)	Regional Resources Ltd.	Geological mapping, prospecting, soil, seep and stream sediment geochemical sampling, line-cutting, trenching and airborne electromagnetic, resistivity and magnetic geophysical surveys.	Three zones were identified by soil geochemical sampling (West, East and South). The current Meister property only encompasses the West Zone, where two grab samples from trenches yielded up 41.93 and 34.37% zinc, 177.6 and 167.0 g/t silver and 0.08 and 0.06% lead. Soil samples in this area returned up to 12,400 ppm zinc, 19 ppm silver and 2360 ppm lead. A pronounced hydrozincite swamp was also identified 600 m along strike to the northwest.
1982 (007585)	Regional Resources Ltd.	Geological mapping, soil geochemical sampling and hand trenching.	Hand trenching at the West Zone exposed strong mineralization along strike of the discovery area, while soil geochemical sampling expanded the multi-element soil anomaly at all three zones.
1983 (091518)	Regional Resources Ltd. and Getty Canadian Metals Ltd.	Geochemical sampling, geological mapping, prospecting, ground geophysical surveys (gravity, induced polarization and electromagnetic), backhoe trenching and diamond drilling.	Grab samples from trenches at the West Zone graded up to 2605.7 g/t silver and 67.32% lead. Five diamond drill holes totalling 1076.6 m intersected galena- and sphalerite- bearing quartz veins with small amounts of metallic oxides. Soil geochemical sampling identified another zinc-silver-lead anomaly (Far West Zone).

Table I – Exploration History of the Meister Property

1985	Regional	Diamond Drilling	A total of 657.09 m of diamond	
(091890)	Resources		drilling was carried out in seven	
	Ltd.		holes at the West Zone (current	
			Meister property). An additional 14	
			holes comprising 1756.1 m were	
			completed at the South Zone during	
			this program. Holes at the West	
			Zone tested beneath and along strike	
			of the main oxide zones exposed in	
			trenches. The best intervals yielded	
			3.70 and 3.25% zinc, 40.64 and	
			40.21 g/t silver, and 0.60 and 0.50%	
			lead over 30 and 14 m, respectively.	

N/R = No Results Reported

The following paragraphs provide further descriptions of historical work programs. Results are described in the appropriate sections later in this report.

In 1978, the Geological Survey of Canada (GSC) completed a reconnaissance-scale stream sediment and water sampling survey on NTS map sheet 105B (Hornbrook, 2009). Only one sample was collected from creeks draining the Meister property. It returned 410 ppm zinc, 0.6 ppm silver, 25 ppm lead.

In 1981, Regional Resources conducted: geological mapping; prospecting; soil, seep and stream sediment geochemical sampling; line-cutting; trenching; and, airborne electromagnetic, resistivity and magnetic geophysical surveys in the area of the current Meister property. This work outlined three strong zinc-silver-lead anomalies (West, East and South zones). Airborne geophysical surveys identified prominent conductors and resistivity lows that correspond to phyllite and possibly massive sulphides (Verley and Sanguinetti, 1981). The current Meister property covers the West Zone, while claims encompassing the South Zone to the southeast are held by another party (Figure 2).

In 1982, Regional Resources carried out geological mapping, soil geochemical sampling and hand trenching on the Meister claim block (Cordilleran Engineering, 1982).

In 1983, Regional Resources optioned the property to Getty Canadian Minerals Ltd., which performed geochemical sampling, geological mapping, prospecting, ground geophysical surveys (gravity, induced polarization and electromagnetic), backhoe trenching and diamond drilling on the Meister property. A four-wheel drive bulldozer road was built to connect the property to the Alaska Highway. Ground geophysical surveys confirmed airborne survey results by defining strong conductors and resistivity lows above a phyllite horizon and known metallic oxide zones. A gravity survey outlined an anomaly along the oxide zone that is consistent with a few metres thick, steeply dipping massive sulphide body (Sanguinetti, 1983).

In 1985, Regional Resources completed eight diamond drill holes totalling 657.0 m on the Meister property. The best intercept averaged 3.70 and 3.25% zinc, 40.64 and 40.21 g/t silver, and 0.60 and 0.50% lead over 30 and 14 m, respectively. Regional Resources also drilled 14 holes at the South Zone, which returned grades of up to 2.06 and 4.11% zinc, 1.71 and 3.4 g/t silver and 2.56 and 5.02% lead over 12.0 and 5.0 m, respectively (Cordilleran Engineering, 1986).

In June 2015, Strategic Metals staked the Meister claims to cover the zinc-silver-lead prospect at the West Zone.

### **GEOMORPHOLOGY**

The Meister property is located in the Cassiar Mountain Range of southeastern Yukon. It drains into Meister Lake and Meister River, both of which ultimately discharge into the Arctic Ocean via the Liard and Mackenzie rivers.

The property was affected by the Late Pleistocene McConnell glaciation. The general direction of glacial movement in the area is from the southwest to northeast (Verley and Sanguinetti, 1981 and Duk-Rodkin, 1999) but local direction can be more complex. The claim block is centred on a gentle knoll and covers a north-northeasterly flowing creek. Local elevations range from 1020 m near valley bottoms up to 1260 m atop the knoll. Topographic relief is gentle to moderate.

Outcrop is relatively common at higher elevations, but lower elevations are covered by glacial till of variable thickness, which limits bedrock to a few exposures along eroding creek beds.

The property is entirely below tree line, and vegetation consists of spruce, pine and balsam with an understory of willow and alder.

### **REGIONAL GEOLOGY**

Geology in the Rancheria District was mapped at 1:250,000 scale in the 1950s and 1970s by the Geological Survey of Canada (Poole et al., 1960, and Tempelman-Kluit, et al, 1976). More detailed mapping was done in the immediate vicinity of the property at 1:50,000 scale in the 1980s by the Yukon Geological Survey (YGS) (Amuken and Lowey, 1987). More recent mapping by the YGS has refined the stratigraphy underlying the property (YGS, 2015).

The Meister property lies within a belt of calcareous and non-calcareous sedimentary and metasedimentary rocks belonging to the Cassiar Platform tectonic element (Figure 3). This belt extends through northern British Columbia and into central Yukon. The northeastern edge of the belt is defined by the Tintina Fault Zone, a series of sub-parallel transcurrent faults that produced about 420 to 460 km of dextral offset in Early Tertiary times (Mortensen *et al.*, 2000). The Cassiar Fault is located southwest of the property and is a splay of the Kutcho Fault, both of which form a complex array of linked faults with the Tintina Fault Zone (Colpron *et al.*, 2007). Cassiar Platform rocks were mainly deposited as shallow water sediments during Paleozoic times along the margin of ancestral North America. They were deformed and metamorphosed by arc-



continent collision in the early Mesozoic and were subsequently intruded by various plutonic suites. The regional metamorphic fabric strikes southeasterly and dips moderately toward the northeast.

Intrusions in the area range from Early Jurassic to Early Tertiary in age (Mihalynuk and Heaman, 2002) but most belong to the Mid-Cretaceous Cassiar Plutonic Suite (Mortenson *et al.*, 2000). The Cassiar Plutonic Suite intrusions include batholiths (Cassiar and Meister Lake), stock (Meister Lake) and dyke complexes.

The major high angle faults in the area are sub-parallel to each other and primarily exhibit dextral strike-slip offsets. Movement on these northwesterly striking structures produced a series of smaller, northeast-trending extensional faults that are associated with silver bearing mineralization at a number of prospects in the district.

Figure 4 illustrates regional geology while the main lithological units in the Rancheria District are summarized on Table II.

Age	Description
Unit Name	
Recent	Glacial till, lateral and terminal moraines, and
Overburden	glaciofluvial outwash
<u>Tertiary</u>	Monzogranite and quartz-feldspar porphyry dykes
Cretaceous	Granite, granodiorite, quartz monzonite, alaskite, and
Cassiar and Meister Lake Batholiths and	diorite
Meister Lake Stock	
Jurassic	Hornblende diorite and quartz diorite; minor biotite-
Simpson Peak and Nome Lake Batholith	hornblende-quartz monzonite
Lower Devonian to Lower Mississippian	Recessive, carbonaceous shale and slate, locally
Earn Group	phyllitic
Silurian to Upper Devonian	Grey to black, laminated and thickly bedded, fetid
McDame Formation	limestone
Upper Cambrian to Lower Ordovician	Chloritic volcanic fragmental rocks with limestone
Kechika Group	lenses and orange weathering, brown and green lime-
	cemented volcaniclastic rocks
Upper Cambrian	Recessive, buff weathering, thickly bedded grey slate
	and argillaceous limestone
Lower Cambrian	Grey, buff and orange massive dolostone, limestone
Atan Group	and calc-silicate rocks with minor schist.
Lower Cambrian and older	Biotite schist, carbonaceous schist and quartzite
Boya Formation	

Table II – Lithological Descriptions (after YGS, 2015)



### **PROPERTY GEOLOGY**

Detailed geological mapping was conducted by Regional Resources and Getty between 1981 and 1986 on the Meister property (Figure 5). Mapping and logging of drill core outlined four geological units. A stratigraphic column for the detailed map area is illustrated on Figure 6, while geological units are described below, from oldest to youngest.

### Late Proterozoic and/or Lower Cambrian Boya Formation (?):

Dominantly light grey to brown weathering, thick-bedded to massive, well-sorted, "clean" white quartzite. Thin interbeds of quartz-mica schist and phyllite are common. Local interbeds of rusty-weathering, micaceous quartzite.

### Lower Cambrian Atan Group - Lower Clastic:

Lower Clastic unit comprises gritty sandstones or very arenaceous schists with interbedded mica schists and quartzite. These rocks are laminated with alternating dark grey and brownish-white bands or lenses containing local limonite. Minor pyrite and goethite occur in both quartzite and schist horizons.

### Lower Cambrian Atan Group - Upper Clastic:

Mica Schist: Light to dark grey with muscovite (?) laminae, locally granular quartz and minor disseminated pyrite.

Carbonate: Dominantly marble, with lesser limestones and dolostones. Marble comprises alternating grey and white bands with thin phyllitic and silty horizons. Where dolomitized, marble is brown and contains pervasive hair-line limonite fractures, which are cut by later carbonate veins.

Oxide: Usually found between the hanging wall schists ("phyllites") and the footwall carbonates. It consists of alternating purple, orange-brown, orange-red, red, black-brown and black bands with areas of botryoidal textures (goethite). Quartz veining is prevalent at the hanging wall contact. This unit pinches and swells along strike, ranging from 0 to 18 m in thickness. Oxide also occurs as thin horizons within other parts of the Upper and Lower clastic units.

Siltstone: Fine grained, dark to light grey, variably calcareous with minor pyrite and limonite.

Quartzose Siltstone: Dark to light grey, well laminated, with lesser white-grey sericitic bands. Local smears of hematite and quartz-calcite veins, both of which occur along bedding planes.

Calcareous Ferruginous Schist: Brown to dark grey-tan bands comprising sericite, muscovite, quartz, calcite and limonite. Minor hematite and pyrite found pervasively throughout this unit.







ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# STRATIGRAPHIC COLUMN

MEISTER PROPERTY

FILE: ...2015/MEISTER

DATE: JANUARY 2016

### Lower Cambrian Atan Group - Rosella Formation:

Dominantly grey-brown weathering, white to light grey, platy to blocky limestone with lesser buff weathering, light grey to brown, blocky to massive dolostone. These units are locally interbedded with silvery-grey to black phyllite.

### **MINERALIZATION**

Hydrothermal fluids related to formation of the silver-bearing mineral occurrences in the Rancheria District are genetically associated with Mid-Cretaceous igneous activity. However, the distribution of the silver occurrences is largely controlled by structural features and proximity to chemically reactive or brittle lithologies. There are more than 100 silver-bearing mineral occurrences in the district (B.C. Minfile, 2015, Deklerk and Traynor, 2005). The Silvertip Mine and Logan and Silver Hart deposits are the best documented.

In 1981, Regional Resources discovered zinc-silver-lead mineralization at the Meister property, while following up GSC stream sediment anomalies. Between 1981 and 1986, Regional Resources and Getty carried out hand-pitting, trenching and diamond drilling. Results from this work are described below.

Oxide mineralization has been exposed intermittently over a 1000 m strike length. It pinches and swells from 0 to 18 m thick. The oxide consists of interlayering and intermixing of siliceous and earthy iron and manganese oxides with extensive goethite, limonite and hematite (specular, botryoidal and earthy). Mineralization lies within the Lower Cambrian Upper Clastic unit, between a carbonate (footwall)-phyllite (hanging wall) contact. Two grab samples of oxide collected from hand pits and trenches returned up 41.93 and 34.37% zinc, 0.08 and 0.06% lead and 177.6 and 167.0 g/t silver (Sanguinetti, 1983).

### Mechanized Trenching:

In 1983, mechanized trenching was carried out by Getty. Significant historical trench results are listed in Table III. Trench locations are shown on Figure 7.

Trench	Int. (m)	Zn (%)	Ag (g/t)	Pb (%)
1	8	10.25	32.2	0.69
2	14	12.01	47.7	0.32
3	18	6.11	55.5	0.11
3A	4	8.55	26.1	0.03
4	0.15	0.50	4.5	0.03
5	5	0.18	3.4	0.08
6	10	5.50	33.9	0.52
10	0.10	5.30	23.0	1.07
11	22	4.05	17.5	0.43
11A	Grab	0.23	2605.7	67.32
13	12	3.15	83.3	2.76
14	10	10.86	44.2	0.47
15	4*	2.98	88.4	0.38
15	7*	2.90	54.9	0.93
15	21*	23.84	33.9	0.11
16	6*	1.46	22.6	0.48
16	15*	16.83	5.8	0.16
16	20*	10.80	50.7	0.25

Table III – Significant Historical Trench Results

\*High grade grab sample from metre mark in trench

In 2015, a total of 11 rock samples were collected from historical trenches that remain open, on the Meister property. Sample locations and significant results from all programs are plotted on Figure 7. Certificates of Analysis and Rock Sample Descriptions appear in Appendices III and IV, respectively.

All rock samples were sent to ALS Minerals in Whitehorse, where they were crushed to 70% passing 2 mm before a 250 g split was pulverized to 85% passing 70 microns. Splits of the pulverized fractions were then sent to ALS Minerals in North Vancouver, where they were dissolved in a four acid solution and analyzed for 48 elements using inductively coupled plasma-mass spectroscopy and inductively coupled plasma-atomic emission spectroscopy techniques (ME-MS61). Results from rocks samples collected from historical trenches are listed in Table IV.

Trench	Sample Number	Zn (%)	Ag (g/t)	Pb (%)
1	R608449	30.50	70.6	0.08
1	R608450	3.54	34.5	0.11
2	K288752	27.80	19.8	0.06
3	K288753	5.19	164.0	0.04
6	R608448	1.52	8.85	0.01
11 A	R608446	8.65	23.9	0.16
IIA	R608447	6.40	71.9	0.45
14	K288754	2.14	68.7	0.06
15	R608445	0.13	20.1	0.38
10	R608443	6.33	6.1	0.05
10	R608444	1.62	7.4	0.16

 Table IV – Significant 2015 Trench Results

Rock samples generally comprise well mineralized composite chip or grab samples taken from reclaimed historical trenches. The best results came from Trenches 1 and 2. A 10 piece composite chip sample collected from Trench 1, consisting of dark purple, strongly manganese stained rocks contains strong goethite and limonite and minor smithsonite, graded 30.50% zinc, 70.6 g/t silver and 0.08% lead. A high grade grab sample of dark purple, strongly manganese and smithsonite stained material with abundant goethite and limonite taken from Trench 2 returned 27.80% zinc, 19.8 g/t silver and 0.06% lead.

### Diamond Drilling:

In 1983 and 1986, diamond drilling was conducted by Regional Resources and Getty in the area of the current Meister property. Drill hole data and significant results are found in Table V and VI, respectively.

Hole Number	Azimuth (°)	Dip (°)	Depth (m)
MR83-1	070	-45	145.4
MR83-2	070	-85	238.4
MR83-3	070	-65	75.3
MR83-4	030	-88	236.5
MR83-5	030	-88	381.0
MR86-6	035	-50	83.5
MR86-7	215	-50	62.79
MR86-8	030	-50	64.3
MR86-9	210	-50	65.2
MR86-10	000	-50	63.7
MR86-11	180	-50	70.1
MR86-26	030	-50	114.3
MR86-27	210	-50	163.07

**Table V – Diamond Drill Hole Data** 

**Table VI – Significant Diamond Drill Hole Results** 

Hole Number	From (m)	To (m)	Int. (m)	Zn (%)	Ag (g/t)	Pb (%)
MR83-3	34.1	35.7	1.6	3.70	6.9	0.09
MR83-4	45.1	50.6	5.5	1.29	17.8	0.16
MR83-5	135.9	138.7	2.8	2.36	7.9	0.19
MR86-06	37.9	38.9	1.0	3.4	79.5	0.13
MR86-07	42.6	44.6	2.0	4.04	18.7	0.15
	4.5	34.5	30.0	3.70	40.6	0.60
MR86-08	40.5	41.5	1.0	1.11	17.1	0.14
	53.5	55.5	2.0	1.03	29.0	0.23
MD96 00	18.0	19.0	1.0	3.20	1.71	0.04
MK80-09	23.0	37.0	14.0	3.25	40.2	0.50
MD96 10	10.0	13.0	3.0	8.21	15.7	0.86
WIK60-10	44.0	45.0	1.0	1.23	1.37	0.08
MR-86-11	23.7	24.7	1.0	0.39	43.2	0.01

Drilling targeted the mineralized carbonate-phyllite contact. Mineralization is hosted in oxidized phyllite, limestone and gouge, and sphalerite-galena-pyrite-rich quartz veins. Several thin oxide zones were observed in the Lower Clastic mica schists. The strongest mineralization was intersected in MR86-08, which contains a 30 m interval of oxide and a two metre interval of faulted and oxidized phyllite. All drill holes tested beneath and along strike of mineralization in trenches. However, most of the holes failed to reproduce grades and widths seen in trenches.

### SOIL GEOCHEMISTRY

Between 1981 and 1983, Regional Resources conducted soil geochemical sampling across much of the Meister property. Strong zinc, silver and lead soil anomalies overlie the known oxide mineralization. A number of strong multi-element soil geochemical results were also found at the hydrozincite spring (600 m northwest of the oxide zone) and in smaller clusters in the southeastern part of the property. The areas of anomalous zinc, silver and lead soil geochemistry are outlined on Figure 8.

### **DISCUSSION AND CONCLUSIONS**

The Meister property covers zinc-silver-lead oxide and sulphide mineralization. The 2015 exploration program confirmed the tenure of historical trench results and provided important data for georeferencing historical workings. Historical trenching and soil sampling outlined the 1000 strike length of the known mineralized zone and identified encouraging soil values in other areas that have seen only limited prospecting. The under-explored geochemical anomalies are near the hydrozincite spring and in southeastern parts of the property. Considering the glacial history of the area, these anomalies could mark zones that are covered by thick overburden.

Further exploration is warranted on the Meister property to constrain the extent, nature and controls of the mineralization. Future work should include the following: 1) deeper infill soil sampling across the entire property; 2) systematic prospecting of known geochemically anomalous areas; and 3) detailed mapping and hand trenching to identify bedrock sources for mineralized float and geochemical anomalies. In areas of heavy vegetation and overburden, excavator trenching and/or self-propelled reverse circulation (RC) or rotary air blast (RAB) drilling will likely be required to evaluate size and grade potential.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

A. Mitchell, B.Sc. GIT



#### **REFERENCES**

Amukun, S.E. and Lowey, G.W.

1987 Geology of the Sab Lake (105B/7) and Meister Lake (105B/8) map-areas (1:50,000 scale), Rancheria district, southeast Yukon, Canada. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open-File Report 1987-1.

British Columbia Ministry of Energy and Mines

2015 http://minfile.gov.bc.ca/; Ministry of Energy and Mines, Government of British Columbia.

Colpron, M. and Nelson, J. L.

2011 A digital atlas of terranes for the Northern Cordillera; Yukon Geological Survey and British Columbia Geology Survey, BCGS GeoFile 2011-11 http://www.geology.gov.yk.ca/pdf/CanCord\_terranes\_2011.pdf

Cordilleran Engineering

- 1982 Summary Report on the MR (Meister River) Zinc, Lead, Silver Massive Sulfide Property. Report number 091028.
- 1986 Assessment Report, including Diamond Drill Logs on the MR Claim Group. Report number 091890.

Deklerk, R. and Traynor, S.

2005 Yukon MINFILE, Yukon Geological Survey, Yukon Energy, Mines and Resources.

#### Duk-Rodkin, A.

1999 Glacial limits map of Yukon Territory; Geological Survey of Canada, Open File 3694, Indian and Northern Affairs Canada Geoscience Pap 1999-2, scale 1:1 000 000.

#### Hornbrook, E.H.W.

1980 Regional Stream Sediment and Water Geochemical Reconnaissance Data, Yukon

#### Mihalynuk, M.G., and Heaman, L.M.

2002 Age of Mineralized Porphyry at the Logtung deposit W-Mo-Bi-Be (Beryl; Aquamarine), Northwest B.C.; BCDM Geological Fieldwork 2001, Paper 2002-1, page 35-39.

Mortensen, J.K., Hart, C.J.R., Murphy D.C. and Heffernan, S.

2000 Temporal Evolution of Early and Mid-Cretaceous Magmatism in the Tintina Gold Belt, *in* the Tintina Gold Belt: Concepts, Exploration and Discoveries; B.C. and Yukon Chamber of Mines, Special Volume 2, page 49-57.

Poole, W.H., Roddick, J.A. and Green, L.H.

1960 Geology of Wolf Lake (105B), Yukon Territory, Geological Survey of Canada, Map 10-1960.

#### Sanguinetti, M.H.

- 1983 Summary Report of Exploration on the MR Claim Group. Assessment report number 091518.
- Verley, C. G. and Sanguinetti, M.H.
  - 1981 Geological and Geochemical Report on the MR Claim Group. Assessment report number 007585.

Yukon Geological Survey

2015 Yukon Bedrock Geology Map, 2015

**APPENDIX I** 

# STATEMENT OF QUALIFICATIONS

### STATEMENT OF QUALIFICATIONS

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

- 1. I graduated from the University of British Columbia in 2010 with a B.Sc. in Earth and Environmental Sciences.
- 2. From 2010 to present, I have been actively engaged in mineral exploration in Yukon Territory.
- 3. I am a Geoscientist in Training (GIT) with the Association of Professional Engineers and Geoscientists of British Columbia.
- 4. I have personally participated in the fieldwork reported herein and have interpreted all data resulting from this work.

. Mitchel

A. Mitchell, B.Sc. GIT

# **APPENDIX II**

# STATEMENT OF EXPENDITURES

## Statement of Expenditures Meister 1-32 Mineral Claims April 14, 2016

# Labour

D. Eaton (geologist) 2 hours June to January at \$120/hr	\$ 252.00
H. Burrell (geologist) 20 hours June to January at \$106/hr	2,226.00
A. Mitchell (geologist) 70 hours June to January at \$82/hr	6,027.00
R. Burke (field assistant) 8 hours June to January at \$49/hr	411.60
J. Irwin (field assistant) 8 hours June to January at \$49/hr	411.60
A. Tuzlak (field assistant) 16 hour June to January at \$49.hr	823.20
L. Corbett (expedite) 3 hours June to January at \$81/hr	255.15
L. Smith (expedite) 6 hours June to January at \$69/hr	434.70
S. Newman (office) 7 1/2 hours June to January at \$64/hr	504.00
	11,345.25
Expenses (including management)	
Field room and board $-7 \frac{1}{2}$ days at \$180/day	1,525.50
Capital Helicopters – 1.9 hours Bell 206B at \$1,050/hr plus fuel	2,279.38
North 60 Jet A	281.60
Rancheria Motel	749.19
ALS Chemex	577.40
	5,413.07
	<u>\$16,758.32</u>

11 samples at \$16,758.32 = \$1,523.48/sample

# **APPENDIX III**



ALS Canada Ltd. 2103 Dollarton Hwy North Vancouver BC V7H 0A7 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218 www.alsglobal.com

# CERTIFICATE WH15133170

Project: MEISTER

This report is for 11 Rock samples submitted to our lab in Whitehorse, YT, Canada on 2-SEP-2015.

The following have access to data associated with this certificate:

HEATHER BURRELL

JOAN MARIACHER

To: STRATEGIC METALS LTD. C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED 1016-510 W HASTINGS ST VANCOUVER BC V6B 1L8 Page: 1 Total # Pages: 2 (A - D) Plus Appendix Pages Finalized Date: 12-SEP-2015 Account: MTT

	SAMPLE PREPARATION								
ALS CODE	DESCRIPTION								
WEI-21	Received Sample Weight								
CRU-QC	Crushing QC Test								
PUL-QC	Pulverizing QC Test								
CRU-31	Fine crushing - 70% < 2mm								
SPL-21	Split sample - riffle splitter								
PUL-31	Pulverize split to 85% <75 um								
LOG-21	Sample logging - ClientBarCode								
BAG-06	Double Bagging Coarse Rejects								

	ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION	INSTRUMENT
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	

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.



Colin Ramshaw, Vancouver Laboratory Manager

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



ALS Canada Ltd.

2103 Dollarton Hwy North Vancouver BC V7H 0A7 Phone: +1 (604) 984 0221 Fax: +1 (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: 2 - A Total # Pages: 2 (A - D) Plus Appendix Pages Finalized Date: 12-SEP-2015 Account: MTT

Project: MEISTER

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 AI % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
R608443		1.61	6.12	0.27	9290	210	0.22	3.78	8.67	201	4.96	0.9	2	0.17	181.0	31.8
R608444		2.43	7.40	0.13	>10000	70	0.15	27.3	7.20	32.7	6.36	0.2	2	0.09	67.3	40.4
R608445		2.19	20.1	0.11	2840	20	0.14	22.3	5.71	25.3	2.19	1.4	5	0.21	41.1	2.52
R608446		2.08	23.9	0.12	4480	370	0.68	32.4	0.12	307	7.49	1.4	<1	0.85	1160	34.6
R608447		1.97	71.9	0.03	647	1160	0.76	3.31	0.22	111.5	5.11	0.3	<1	5.89	448	35.8
R608448		2.51	8.85	0.18	1650	260	0.13	1.05	0.19	45.7	4.69	0.3	<1	1.05	11.8	43.4
R608449		1.38	70.6	0.13	2010	90	0.33	13.10	0.07	266	2.54	0.3	7	0.13	2100	13.05
R608450		3.01	34.5	0.14	902	840	1.03	2.38	0.12	161.5	7.94	0.5	<1	2.91	181.5	46.2
K288752		2.62	19.75	0.06	1040	540	0.22	45.0	0.14	145.5	18.75	0.2	2	2.33	202	18.30
K288753		2.42	>100	0.09	1255	950	0.20	10.95	0.13	312	5.28	0.4	<1	2.19	384	37.0
K288754		2.08	68.7	0.10	880	1790	2.12	0.17	0.18	150.5	6.76	1.6	<1	1.55	7.5	41.1



ALS Canada Ltd.

2103 Dollarton Hwy North Vancouver BC V7H 0A7 Phone: +1 (604) 984 0221 Fax: +1 (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: 2 - B Total # Pages: 2 (A - D) Plus Appendix Pages Finalized Date: 12-SEP-2015 Account: MTT

Project: MEISTER

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
R608443		1.86	0.74	0.1	41.4	0.07	2.8	1.0	0.03	6610	3.34	0.01	0.1	4.7	540	540
R608444		1.35	1.15	<0.1	19.70	0.03	3.5	0.9	0.05	760	4.90	<0.01	0.1	3.0	540	1590
R608445		1.10	0.07	<0.1	23.3	0.02	1.1	15.3	0.02	132	0.35	<0.01	<0.1	1.4	80	3830
R608446		3.42	0.24	<0.1	0.644	0.05	3.9	0.9	0.01	>100000	9.20	<0.01	<0.1	5.1	350	1590
R608447		1.61	1.83	<0.1	0.227	0.04	2.8	0.8	0.05	>100000	6.89	<0.01	<0.1	4.6	330	4510
R608448		1.35	0.38	<0.1	0.312	0.06	2.2	1.0	0.02	>100000	3.75	<0.01	0.1	1.7	370	136.5
R608449		16.35	0.10	<0.1	36.5	0.05	1.5	0.6	0.01	9990	7.00	<0.01	0.1	3.6	1220	836
R608450		1.61	1.36	<0.1	0.290	0.06	3.3	1.3	0.03	79600	6.73	<0.01	0.1	4.9	670	1145
K288752		2.05	0.09	<0.1	2.95	0.03	7.7	0.8	0.03	>100000	13.45	<0.01	<0.1	3.6	670	603
K288753		1.84	0.15	<0.1	0.237	0.05	2.6	1.0	0.02	>100000	4.01	<0.01	<0.1	2.4	350	363
K288754		1.37	1.04	<0.1	0.022	0.15	4.0	2.9	0.02	>100000	1.86	<0.01	<0.1	8.6	770	612



ALS Canada Ltd. 2103 Dollarton Hwy North Vancouver BC V7H 0A7

Phone: +1 (604) 984 0221 Fax: +1 (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: 2 - C Total # Pages: 2 (A - D) Plus Appendix Pages Finalized Date: 12-SEP-2015 Account: MTT

Project: MEISTER

Sample Description	Method Analyte Units LOR	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 TI ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
R608443		4.4	<0.002	0.04	16.25	0.5	1	1.9	14.4	<0.05	<0.05	0.8	<0.005	0.13	6.7	17
R608444		2.2	<0.002	0.07	24.9	0.5	1	5.9	10.2	<0.05	<0.05	1.1	<0.005	0.15	9.2	18
R608445		1.2	<0.002	0.10	30.4	0.2	<1	137.5	98.5	<0.05	<0.05	0.2	<0.005	0.06	0.8	1
R608446		3.0	< 0.002	0.03	37.2	0.4	2	431	105.0	<0.05	<0.05	0.4	< 0.005	0.11	5.7	8
R608447		4.8	<0.002	<0.01	14.35	0.4	2	56.0	310	<0.05	<0.05	0.2	<0.005	0.08	6.5	5
R608448		3.4	<0.002	<0.01	4.21	0.4	1	9.0	183.0	<0.05	<0.05	0.5	<0.005	0.11	5.8	10
R608449		2.7	< 0.002	0.08	10.85	0.4	15	>500	6.1	<0.05	<0.05	0.4	<0.005	0.04	5.5	7
R608450		4.6	< 0.002	<0.01	12.60	0.9	1	36.2	234	<0.05	<0.05	0.4	<0.005	0.13	7.8	12
K288752		3.3	< 0.002	<0.01	6.74	0.2	4	14.3	138.5	<0.05	<0.05	0.2	<0.005	0.10	6.5	6
K288753		3.5	<0.002	0.02	6.28	0.2	1	187.0	191.5	<0.05	<0.05	0.3	<0.005	0.16	4.9	9
K288754		5.5	<0.002	<0.01	10.70	0.6	<1	3.0	329	<0.05	<0.05	0.2	<0.005	0.20	4.4	11



2103 Dollarton Hwy North Vancouver BC V7H 0A7 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218 www.alsglobal.com

ALS Canada Ltd.

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

LIMITED 1016-510 W HASTINGS ST VANCOUVER BC V6B 1L8 Page: 2 - D Total # Pages: 2 (A - D) Plus Appendix Pages Finalized Date: 12-SEP-2015 Account: MTT

Project: MEISTER

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Zn-OG62 Zn % 0.001	
R608443 R608444 R608445		28.3 49.9 51.3	5.0 4.3 0.6	>10000 >10000 1320 >10000	1.9 1.1 <0.5 1.1		6.33 1.620 8.65	
R608447		13.6	5.2	>10000	1.0		6.40	
R608448 R608449 R608450 K288752 K288753		5.4 5.5 19.2 6.4 8.2	4.9 3.7 12.7 6.2 3.6	>10000 >10000 >10000 >10000 >10000	1.3 1.1 1.8 0.7 0.9	164	1.515 >30.0 3.54 27.8 5.19	
K288754		17.7	8.8	>10000	<0.5		2.14	



ALS Canada Ltd. 2103 Dollarton Hwy

2103 Dollarton Hwy North Vancouver BC V7H 0A7 Phone: +1 (604) 984 0221 Fax: +1 (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: Appendix 1 Total # Appendix Pages: 1 Finalized Date: 12-SEP-2015 Account: MTT

Project: MEISTER

		CERTIFICATE COM	IMENTS	
		ANALY	TICAL COMMENTS	
Applies to Method:	REE's may not be totally solu ME-MS61	uble in this method.		
		LABOR	ATORY ADDRESSES	
	Processed at ALS Whitehorse	e located at 78 Mt. Sima Rd, Whiteh	orse, YT, Canada.	
Applies to Method:	BAG-06	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21	WEI-21
	Processed at ALS Vancouver	located at 2103 Dollarton Hwy, No	rth Vancouver, BC, Canada.	
Applies to Method:	Ag-OG62	ME-MS61	ME-OG62	Zn-OG62



ALS Canada Ltd. 2103 Dollarton Hwy North Vancouver BC V7H 0A7 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218 www.alsglobal.com

# CERTIFICATE WH15144144

Project: MEISTER

This report is for 1 Rock sample submitted to our lab in Whitehorse, YT, Canada on 22-SEP-2015.

The following have access to data associated with this certificate:

HEATHER BURRELL

JOAN MARIACHER

To: STRATEGIC METALS LTD. C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED 1016-510 W HASTINGS ST VANCOUVER BC V6B 1L8 Page: 1 Total # Pages: 2 (A) Plus Appendix Pages Finalized Date: 29-SEP-2015 Account: MTT

	SAMPLE PREPARATION	
ALS CODE	DESCRIPTION	
FND-02	Find Sample for Addn Analysis	
	ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION	
Zn-VOL50 Sn-XRF05	Zn by titration Sn-Trace Level XRF Analysis	XRF

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.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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



ALS Canada Ltd.

2103 Dollarton Hwy North Vancouver BC V7H 0A7 Phone: +1 (604) 984 0221 Fax: +1 (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: 2 - A Total # Pages: 2 (A) Plus Appendix Pages Finalized Date: 29-SEP-2015 Account: MTT

Project: MEISTER

Sample Description	Method Analyte Units LOR	Zn-VOL50 Zn % 0.01	Sn-XRF05 Sn ppm 5	
R608449		40.47	2670	



ALS Canada Ltd.

2103 Dollarton Hwy North Vancouver BC V7H 0A7 Phone: +1 (604) 984 0221 Fax: +1 (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: Appendix 1 Total # Appendix Pages: 1 Finalized Date: 29-SEP-2015 Account: MTT

Project: MEISTER

	CERTIFICATE COMMENTS
Applies to Method:	LABORATORY ADDRESSES         Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.         FND-02       Sn-XRF05       Zn-VOL50



ALS Canada Ltd. 2103 Dollarton Hwy North Vancouver BC V7H 0A7 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218 www.alsglobal.com

# CERTIFICATE WH15152526

Project: MEISTER

This report is for 11 Rock samples submitted to our lab in Whitehorse, YT, Canada on 6-OCT-2015.

The following have access to data associated with this certificate:

HEATHER BURRELL

JOAN MARIACHER

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

Page: 1 Total # Pages: 2 (A) Plus Appendix Pages Finalized Date: 29-OCT-2015 Account: MTT

	SAMPLE PREPARATION	
ALS CODE	DESCRIPTION	
FND-02	Find Sample for Addn Analysis	
		c
	ANALTTICAL PROCEDURE	3
ALS CODE	DESCRIPTION	INSTRUMENT

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.



Colin Ramshaw, Vancouver Laboratory Manager

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



ALS Canada Ltd.

2103 Dollarton Hwy North Vancouver BC V7H 0A7 Phone: +1 (604) 984 0221 Fax: +1 (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: 2 - A Total # Pages: 2 (A) Plus Appendix Pages Finalized Date: 29-OCT-2015 Account: MTT

Project: MEISTER

Sample Description	Method Analyte Units LOR	Au-ICP21 Au ppm 0.001
R608443 R608444 R608445 R608446 R608447		0.008 0.011 0.081 0.020 0.011
R608448 R608449 R608450 K288752 K288753		0.014 0.020 0.017 0.017 0.012
K288754		0.005



ALS Canada Ltd.

2103 Dollarton Hwy North Vancouver BC V7H 0A7 Phone: +1 (604) 984 0221 Fax: +1 (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: Appendix 1 Total # Appendix Pages: 1 Finalized Date: 29-OCT-2015 Account: MTT

Project: MEISTER

	CERTIFICATE COMMENTS
Applies to Method:	LABORATORY ADDRESSES Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-ICP21 FND-02

APPENDIX IV

**ROCK SAMPLE DESCRIPTIONS** 

Rock Sample Des	criptions	Prope	erty: Meister	
Sample Number: Elevation:	K288752 1215 m	UTM: UTM:	426311 mE 6684920 mN	Nad83, Zone 9
Comments:	High grade sample of on surface. Rocks re zone are strongly m	collected present a anganese	from TR-2 of dark pur about 10 percent of ro stained goethite-lim	rple, strongly manganese stained goethite and limonite with weak smithsonite ocks in 6-8 metre wide mineralized zone. Remaining rocks in the mineralized ionite clasts.
Sample Number:	K288753	UTM:	426250 mE	Nad83, Zone 9
Elevation:	1189 m	UTM:	6684982 mN	
Comments:	10 piece composite TR-3. Sample comp	chip sam ises dark	ple along a 12 metre purple, strongly man	wide mineralized zone with chips taken at approximately 1 metre intervals in aganese stained goethite-limonite specimens.
Sample Number:	K288754	UTM:	426047 mE	Nad83, Zone 9
Elevation:	1156 m	UTM:	6685323 mN	
Comments:	Grab sample of dark goethite with goeth trench has been rec	c purple, s ite crysta laimed.	strong manganese sta Is up to 0.5 centimeti	ained goethite specimens with moderate limonite alteration. Botryoidal res. Zone within trench appears to be around 8 metres, but difficult to tell as
Sample Number:	R608443	UTM:	426521 mE	Nad83, Zone 9
Elevation:	1235 m	UTM:	6684642 mN	
Comments:	8 piece composite c limonite specimens	hip samp with moo	le within an approxin Ierate smithsonite we	nately 10 m wide section in TR-16 of strong manganese stained goethite and eathering on surface forming radial/rosette crystals.
Sample Number:	R608444	UTM:	426524 mE	Nad83, Zone 9
Elevation:	1227 m	UTM:	6684626 mN	
Comments:	High grade sample f goethite-limonite sp	rom TR-1 becimens.	6. Comprises dark pu Smithsonite rosettes	urple, manganese stained, smithsonite rosettes/radial crystals on surface of s up to 1 centimetre and goethite crystals up to 0.5 centimetres.

ock Sample Des	criptions	Proper	ty: Meister	
Sample Number: Elevation:	R608445 1229 m	UTM: UTM:	426514 mE 6684646 mN	Nad83, Zone 9
Comments:	Grab sample collect coarse grained euhe within stringers (cin	ed from Tf edral sphal nabar? Or	R-15 of quartz vein h erite with minor sm hematite?).	osting approximately 1 centimetre wide stringers of brown-purple, medium to ithsonite. Appears to also host dark to medium blood red stain on surface and
Sample Number:	R608446	UTM:	426386 mE	Nad83, Zone 9
Elevation:	1225 m	UTM:	6684711 mN	
Comments:	10 piece composite collected over an ap centimetres.	chip samp oproximate	le of dark purple, sti 4 metre wide zone	rong manganese stained goethite and limonite specimens. Sample was within TR-11. Minor smithsonite on surface. Goethite crystals up to 0.5
Sample Number:	R608447	UTM:	426395 mE	Nad83, Zone 9
Elevation:	1226 m	UTM:	6684711 mN	
Comments:	High grade sample f crystals up to 0.5 ce	rom TR-11 ntimetres.	. Specimen compris	es dark purple, strongly manganese stained goethite and limonite. Goethite
Sample Number:	R608448	UTM:	426379 mE	Nad83, Zone 9
Elevation:	1215 m	UTM:	6684734 mN	
Comments:	Dark purple, strong rosettes/radial crys	y mangang tals. Strong	ese stained botryoid glimonite alteration	al goethite surface with moderate smithsonite staining occasionally in . Sample collected from TR-6 - grab sample of higher grade looking stuff.
Sample Number:	R608449	UTM:	426339 mE	Nad83, Zone 9
Elevation:	1216 m	UTM:	6684842 mN	
Comments:	10 piece composite	chip samp	le of dark purple, sti	rongly manganese stained goethite-limonite specimens. Fine grained

Rock Sample Descrip	otions	Prope	rty: Meister	
Sample Number:	R608450	UTM:	426342 mE	Nad83, Zone 9
Elevation:	1205 m	UTM:	6684837 mN	
Comments: Hi	gh grade, strong r	nanganese	e stained, botryoidal	goethite (up to 3 x 3 centimetres) with strong limonite staining. Boulders up

to 10 centimetres wide. Zones appears to be about 6-8 metres wide in trench.



# Significant 2015 Rock Sample Results

Trench	Sample Number	Zn (%)	Ag (g/t)	<u>Pb</u> (%)
1	R608449	30.50	70.6	0.08
1	R608450	3.54	34.5	0.11
2	K288752	27.80	19.8	0.06
3	K288753	5.19	164.0	0.04
6	R608448	1.52	8.85	0.01
	R608446	8.65	23.9	0.16
11A	R608447	6.40	71.9	0.45
14	K288754	2.14	68.7	0.06
15	R608445	0.13	20.1	0.38
16	R608443	6.33	6.1	0.05
10	R608444	1.62	7.4	0.16

# Significant Historical Trench Results

Trench	Int. (m)	Zn (%)	Ag (g/t)	<u>Pb</u> (%)
1	8	10.25	32.2	0.69
2	14	12.01	47.7	0.32
3	18	6.11	55.5	0.11
3A	4	8.55	26.1	0.03
4	0.15	0.50	4.5	0.03
5	5	0.18	3.4	0.08
6	10	5.50	33.9	0.52
10	0.10	5.30	23.0	1.07
11	22	4.05	17.5	0.43
11A	Grab	0.23	2605.7	67.32
13	12	3.15	83.3	2.76
14	10	10.86	44.2	0.47
15	4*	2.98	88.4	0.38
15	7*	2.90	54.9	0.93
15	21*	23.84	33.9	0.11
16	6*	1.46	22.6	0.48
16	15*	16.83	5.8	0.16
16	20*	10.80	50.7	0.25

# Significant Diamond Drill Results

Hole Number	From (m)	To (m)	Int. (m)	Zn (%)	Ag (g/t)	<u>Pb</u> (%)
MR83-3	34.1	35.7	1.6	3.70	6.9	0.09
MR83-4	45.1	50.6	5.5	1.29	17.8	0.16
MR83-5	135.9	138.7	2.8	2.36	7.9	0.19
MR86-06	37.9	38.9	1.0	3.4	79.5	0.13
MR86-07	42.6	44.6	2.0	4.04	18.7	0.15
	4.5	34.5	30.0	3.70	40.6	0.60
MR86-08	40.5	41.5	1.0	1.11	17.1	0.14
	53.5	55.5	2.0	1.03	29.0	0.23
1000	18.0	19.0	1.0	3.20	1.71	0.04
MR86-09	23.0	37.0	14.0	3.25	40.2	0.50
N m 0 < 10	10.0	13.0	3.0	8.21	15.7	0.86
MR86-10	44.0	45.0	1.0	1.23	1.37	0.08
MR-86-11	23.7	24.7	1.0	0.39	43.2	0.01

### Pleistocene and Recent

	Overburden
Lower	Cambrian - Upper Clastics
	Calcareous ferruginous schists or siltstones
	Oxide Zone
	Carbonate - marble, limestone and/or dolostone
	Undifferentiated siltstone, quartzose siltstone and mica schist
Lower	Cambrian - Lower Clastics
Lower	Cambrian - Lower Clastics Sandstone, interbedded mica schists, basal sandstones and quartzites
Lower	Cambrian - Lower Clastics Sandstone, interbedded mica schists, basal sandstones and quartzites ———— Geological contact - defined and inferred ———— Fault ———— Limit of mapping
Lower	Cambrian - Lower Clastics Sandstone, interbedded mica schists, basal sandstones and quartzites Geological contact - defined and inferred Fault Limit of mapping Strike and dip
	Cambrian - Lower Clastics Sandstone, interbedded mica schists, basal sandstones and quartzites Geological contact - defined and inferred Fault Limit of mapping Strike and dip Plunging monocline, anticline axis

Historical Diamond Drill Hole

