

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

1016 – 510 West Hastings Street  
Vancouver, B.C. V6B 1L8

Telephone: 604-688-2568

Fax: 604-688-2578

**ASSESSMENT REPORT**

describing

**PROSPECTING, HAND TRENCHING AND GEOCHEMICAL SAMPLING**

Field work performed between July 9 and 26, 2014

at the

**ROD PROPERTY**

Rod 1-8	YC98411-YC98418	Rod 491-675	YD111491-YD111675
Rod 9-60	YD33529-YD33580	Rod 676-735	YD01596-YD01655
Rod 61-148	YD71951-YD72038	Rod 790-825	YD01710-YD01745
Rod 149-340	YD70809-YD71000	Rod 864-890	YD153592-YD153618
Rod 341-490	YD109021-YD109170		

NTS 106D/01 and 106C/04  
Latitude 64°09'N; Longitude 134°00'W

in the

Mayo Mining District  
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**STRATEGIC METALS LTD.**

by

J. Morton, B.Sc., GIT

February 2015

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## **INTRODUCTION**

The Rod property covers several silver-lead-zinc±gold prospects and multiple geochemical anomalies. It is located in central Yukon, within a district of precious metal enriched, replacement style, volcanogenic massive sulphide and vein occurrences, which include ATAC Resources Ltd.'s Tiger and Conrad deposits, Xstrata's Craig deposit, Golden Predator Mining Corp.'s Marg deposit, Blind Creek Resources Ltd.'s Blende deposit, Victoria Gold Corp.'s Dublin Gulch deposit and Alexco Resource Corp.'s Keno Hill deposits. The Rod property is wholly owned by Strategic Metals Ltd.

This report describes prospecting, hand trenching and geochemical sampling conducted between July 9 and July 26, 2014 by Archer, Cathro & Associates (1981) Limited on behalf of Strategic Metals. The author supervised the program and interpreted all resulting data. His Statement of Qualifications is in Appendix I, and a Statement of Expenditures is located in Appendix II.

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

The Rod property comprises 796 mineral claims which are located in central Yukon at latitude 64°09' north and longitude 134°00' west on NTS map sheets 106D/01 and 106C/04 (Figure 1). The property covers an area of approximately 16,080 ha (160.8 km<sup>2</sup>). The claims are registered in the name of Archer Cathro, which holds them in trust for Strategic Metals. Details concerning the claims are listed below, and the locations of individual claims are shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Rod 1-8	YC98411-YC98418	March 15, 2020
9-60	YD33529-YD33580	March 15, 2020
61-148	YD71951-YD72038	March 15, 2016
149-340	YD70809-YD71000	March 15, 2016
341-490	YD109021-YD109170	March 15, 2016
491-675	YD111491-YD111675	March 15, 2016
676-735	YD01596-YD01655	March 15, 2016
790-825	YD01710-YD01745	March 15, 2016
864-890	YD153592-YD153618	March 15, 2016

\* Expiry dates do not include 2014 work which has not yet been filed for assessment credit.

The Rod property lies 110 km northeast of the town of Mayo, the nearest supply centre. The closest road access is at McQuesten Lake, which is situated 60 km west of the property.

The 2014 exploration program was conducted from two fly camps located on the property. Mobilization of camp gear, personnel and supplies was done from a staging area near McQuesten Lake, by a Bell 206B helicopter. This helicopter was operated by Fireweed Helicopters from a seasonal base in Mayo.

# STRATEGIC METALS LTD.

## FIGURE 1 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED PROPERTY LOCATION ROD PROPERTY

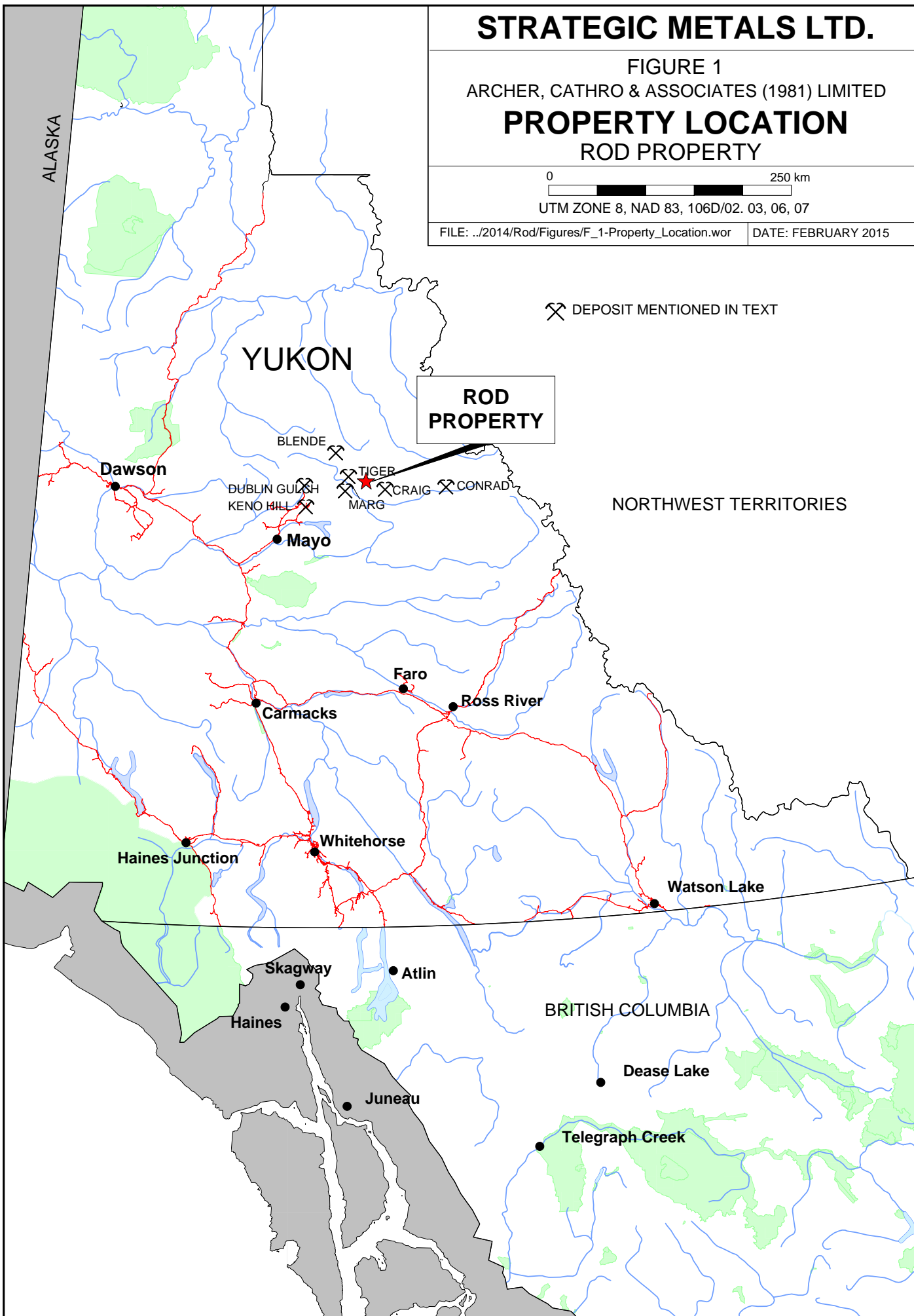
0 250 km

UTM ZONE 8, NAD 83, 106D/02. 03, 06, 07

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DATE: FEBRUARY 2015

⌘ DEPOSIT MENTIONED IN TEXT



## **HISTORY AND PREVIOUS WORK**

In June 1977, McIntyre Mines Ltd. staked the eastern portion of the current Rod property in order to cover several mineral showings identified by prospecting. Later that year, McIntyre conducted an exploration program on the property, which consisted of geological mapping, prospecting and ridge-top geochemical sampling. This work identified several strong silver-lead-zinc anomalies that encompassed mineralized float occurrences and vegetation kill zones associated with black shales. Visually barren shale collected from the kill zones reportedly assayed up to 1% zinc and 43.8 g/t silver (Arnold & Floyd, 1977).

In 1979, McIntyre entered into a joint venture with Canadian Superior Exploration Ltd., which performed geological mapping, prospecting, geochemical sampling and hand trenching on the property. This work identified multiple mineral occurrences, and two hand trenches were excavated on what is now referred to as Discovery Ridge – a north trending spur located in the north-central part of the current Rod claims. Numerous cobbles of argentiferous galena were found within black shale talus in one of the trenches, and a northeast trending structure hosting argentiferous galena and sphalerite was exposed in the other (Kim, 1979).

In 1980, the McIntyre-Canadian Superior joint venture drilled four holes (CSR1 to CSR4) on the property, totalling 325 m. Three of the holes tested beneath the northeast trending structure exposed by hand trenching, and encountered several highly oxidized but poorly mineralized zones. The fourth hole, which was located approximately 450 m north of the others, was abandoned after 40 m due to poor ground conditions (James, 1980).

In 1982, the claims were transferred to SEREM Inc. The following year, soil sampling and mapping outlined a roughly east-west trending, 2000 m long lead-silver anomaly along the northern side of Discovery Ridge, which was associated with galena float occurrences. In 1984, SEREM contracted Archer Cathro to evaluate the mineralized float occurrences on the property with hand trenching. This trenching exposed numerous narrow, northwest trending quartz veins, which are stained with yellow oxide (plumbojarosite?), and contain isolated lenses of fine-grained, massive argentiferous galena (Carne, 1984). The claims were allowed to lapse following this work.

In 1998, Manson Creek Resources Ltd. performed regional-scale silt sampling in the district and identified a broad geochemical anomaly in the area of the lapsed claims. As a result, in 2001 Manson restaked part of the original claim block and performed geological mapping and geochemical sampling on its claims. The program identified a drill target at the head of a gossanous creek, about 500 m west of the Discovery Ridge showings. This target was theorized to be a volcanogenic massive sulphide (VMS) prospect similar to the Marg deposit, located 30 km to the southwest. In 2002, Manson Creek drilled 384.5 m in 3 holes and successfully intersected low-grade gold±silver±copper±zinc mineralization associated with narrow exhalative-style, pyrite-dominated, semi-massive to massive sulphide horizons. Manson Creek recommended further work to vector into potentially thicker and richer sections of the system (Jutras, 2003), but the claims were allowed to lapse.

Strategic Metals restaked the Discovery Ridge area in 2008 as the Rod 1-8 claims and added another 52 claims early in 2010. The remaining 736 claims were staked in the fall of 2010, following the nearby discovery of Carlin-type mineralization by ATAC Resources at its Osiris deposit.

In 2010, Strategic Metals performed mapping, prospecting and geochemical sampling on the property. Grid soil sampling confirmed and significantly augmented historical data. A broad soil anomaly was outlined on the Discovery Ridge that contained anomalous concentrations of silver, lead, arsenic, antimony and numerous other elements. This anomaly was larger and stronger than previously recognized geochemical targets (Eaton and Kammerer, 2011).

In 2011, Strategic Metals completed 2213 m of diamond drilling in 12 holes (ROD-11-01 to ROD-11-12) on the property, as part of an exploration program that also involved geological mapping, prospecting and geochemical sampling. Ten of the holes were drilled in the northern part of Discovery Ridge and cut mostly black shale. Mineralization within these drill holes occurred in narrow quartz veins and consisted of pyrite, galena, and sphalerite. Two of the holes targeted soil geochemical anomalies west of Discovery Ridge, including hole ROD-11-12, which intersected a 10.67 m horizon of volcanic-related nickel-molybdenum-vanadium mineralization, a previously unrecognized mineralization type on the Rod property. A complete report pertaining to this work can be found in Dumala (2012), while results are summarized in the Mineralization section below.

Table I summarizes the exploration history of the Rod property. Results from all work performed by Strategic Metals is described in the appropriate sections of this report.

**Table I – Exploration History of the Rod Property**

<b>Year of Work (Report #)</b>	<b>Owner/ Operator</b>	<b>Claim Group</b>	<b>Work Performed</b>	<b>Results</b>
1977 (090306)	McIntyre Mines Ltd.	ROD 1-100	-Reconnaissance mapping and prospecting -Silt sampling -Soil sampling -Rock sampling -Geophysics (not discussed in report)	-Ridge-line soil sampling identified several strong Ag-Pb-Zn anomalies -Prospecting located abundant mineralized float associated with soil anomalies, mostly in vegetation kill zones within black shales -“Barren shales” within kill zones assayed up to 1% Zn and 43.8 g/t Ag
1979 (090611)	Joint Venture: McIntyre Mines Ltd. & Canadian Superior Exploration Ltd.	ROD 1-100	-Detailed mapping -Hand trenching	-Hand trenching exposed Ag-Pb mineralization at two locations on Discovery Ridge



1980 (090687)	Joint Venture: McIntyre Mines Ltd. & Canadian Superior Exploration Ltd.	ROD 1-100	-325m of drilling in four holes to explore mineralization exposed by trenching in 1979	-Three holes intersected several highly oxidized, poorly mineralized zones in a NE trending structure -The second target remained untested due to abandonment of hole CSR-3 in Paleozoic shales
1982	SEREM Inc.	ROD 1-100	-Claims transferred to SEREM Inc.	
1983	SEREM Inc.	ROD 1-100	-Reconnaissance mapping and prospecting -Soil sampling	-Outlined “virtually continuous” 2000 m long Pb-Ag soil anomaly associated with galena-float occurrences
1984 (091545)	SEREM Inc.	ROD 1-100	-Blast trenching -Channel sampling	-Trenching exposed numerous narrow northwest trending quartz veins stained with yellow oxide (plumbojarosite?), and containing isolated massive, argentiferous galena
1998	Manson Creek Resources Ltd.	-	-Regional scale stream sediment sampling	-Identified extensive stream geochemical anomaly in area of lapsed ROD claims
2001 (094359)	Manson Creek Resources Ltd.	JRS 1-25	-Reconnaissance mapping and prospecting -Rock sampling -Water sampling	-Identified VMS style drill target associated with stream geochemical anomaly found in 1998
2002 (094359)	Manson Creek Resources Ltd.	JRS 1-25	-384.5m of drilling in 3 holes to test for blind VMS Marg style mineralization	-Successfully identified low- grade Au, Ag, Cu, Zn mineralization associated with blind exhalative style, pyrite dominated massive sulphides
2008-2011	Strategic Metals Ltd.	ROD 1-735 790-825 864-890	-Claims staked -Soil sampling -Prospecting -2213 m of drilling in 12 holes to test soil geochemical anomalies	-Ten drill holes intersected narrow intervals of mineralization associated with quartz veins in black shales -Hole ROD-11-12 identified nickel-molybdenum-vanadium mineralization associated with volcanic rock -Outlined a broad soil anomaly with strongly elevated silver, lead, arsenic and antimony

### **GEOMORPHOLOGY**

The Rod property is located on the western flank of the Nadaleen Range and is drained by creeks that flow north into the Rackla River and south into the Beaver River. Both of these rivers converge and join the Stewart River, which is part of the Yukon River watershed. Rod Creek is

situated in a large north-south oriented valley that bisects the property and serves as a foul weather pass for aircraft.

The property covers a series of north and south trending spurs and drainages that flank an east trending ridge. The claims straddle the east trending Dawson Thrust Fault, which marks a significant change in terrain. Resistant rocks that form cliffs and unstable talus slopes are common to the south of the fault, while relatively recessive rocks that form subdued, rolling landscapes are found to the north.

Elevations on the property range from 670 m above sea level (asl) at the Rackla River along the western edge of the property to 1830 m asl on the peaks towards the centre of the property. Treeline is at approximately 1400 m asl, with approximately 25% of the property above this elevation. The lower slopes are thickly treed with spruce and shrub willow, while the upper slopes and ridge crests are vegetated by grass, moss, lichen and a mix of dwarf alder and willow brush.

There is abundant evidence of past glaciation including north facing cirques and deep U-shaped valleys. Glaciofluvial deposits commonly blanket valley floors, while glacial till and moraines are found on lower slopes. Soil development is generally poor at higher elevations where talus slopes are common.

The climate in the vicinity of the Rod property is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are relatively mild, snowfall can occur in any month. The property is mostly snow free from early June to late September.

### **REGIONAL GEOLOGY**

The Rod property is located toward the western end of the Rackla Belt, which is an 18 by 120 km belt that hosts various styles of base metal and precious metal occurrences (Colpron et al, 2013).

The Rackla Belt spans the southern portion of the Nadaleen map sheet (106C) and southeastern corner of the Nash Creek (106D) map sheet. The GSC published 1:250,000 scale geological maps of the Nash Creek and Nadaleen map sheets in 1972 (Green) and 1974 (Blusson), respectively. In 1990, Indian and Northern Affairs Canada (predecessor to the Yukon Geological Survey) released a 1:50,000 scale geological map of NTS map sheet 106D/01 (Abbott, 1990).

In 2010, the Yukon Geological Survey (YGS) initiated a project to better understand the geology of the Rackla Belt, as a result of the recent discoveries in the area. Work to date has included 1:50,000 scale mapping of the: 1) Mount Mervyn map area (106C/04) in 2010 (Chakungal and Bennett, 2011); 2) Mount Ferrell map area (106C/03) in 2011 (Colpron, 2012); and 3) Ortell Lake and Mount Stenbraten map areas (106C/02 and 01) in 2012 (Colpron et al, 2013). It also included integration of structures and stratigraphic units across map sheets 106C/01 to 106C/04 and 106D/01 (Colpron et al, 2013).

Geology of the Rackla Belt presented in the following paragraphs is primarily summarized from the YGS's recent work (Colpron et al, 2013).

The Rackla Belt straddles the boundary between deep water, dominantly clastic rocks of the Selwyn Basin to the south and shallower water shelf strata of the Mackenzie Platform to the north.

The Rackla Belt is divided into three main structural panels – Richardson fault array, Mackenzie fold belt and Selwyn fold belt (Figure 3). Both the north trending Richardson fault array and the northern edge of the northwest trending Selwyn fold belt have prolonged histories of Proterozoic and Paleozoic faulting (mainly extensional and strike-slip) that were reactivated during Mesozoic compression.

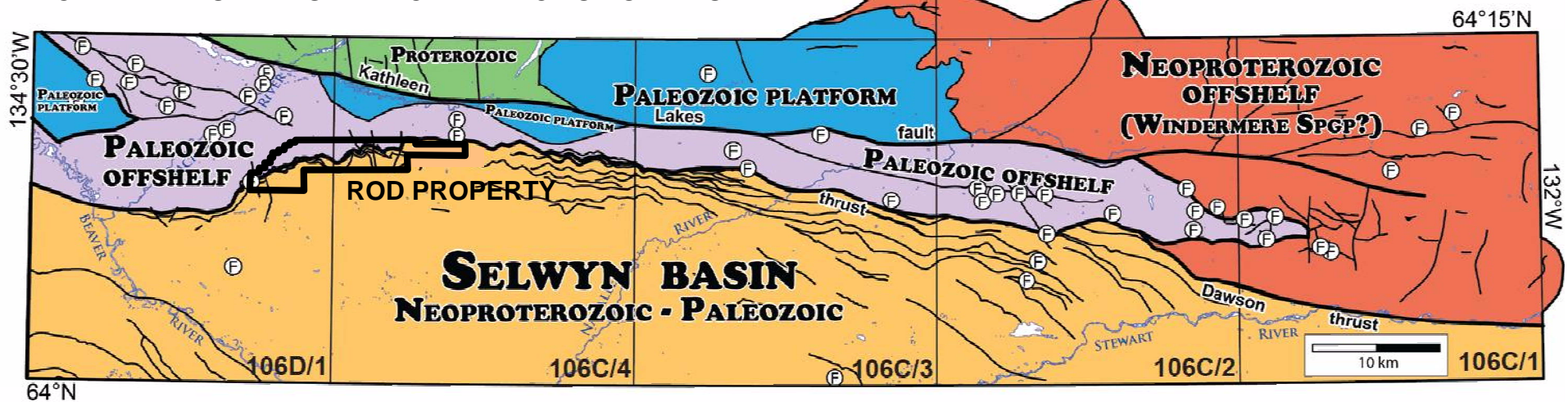
The three main structural panels are separated by the Dawson Thrust and Kathleen Lakes faults (Figure 3). The Dawson Thrust Fault is a crustal break that may date back to late Neoproterozoic rifting and was subsequently reactivated as a north-directed thrust fault during Paleozoic extension and Mesozoic compression. The direction of movement along Mesozoic thrust faults in the region is generally towards the north. The Kathleen Lakes Fault is an enigmatic structure with uncertain kinematics. It likely has a long history that may have begun as a normal fault in the Neoproterozoic and has since been reactivated, possibly accommodating strike-slip and normal movement.

Both extensional and apparent sinistral strike-slip faults cross-cut structures associated with compression and represent some of the youngest deformation in the Rackla Belt. Some strike-slip reactivation may have occurred along both the Kathleen Lakes and Dawson Thrust faults; however, the amount of motion is probably very small and appears to die out to the east.

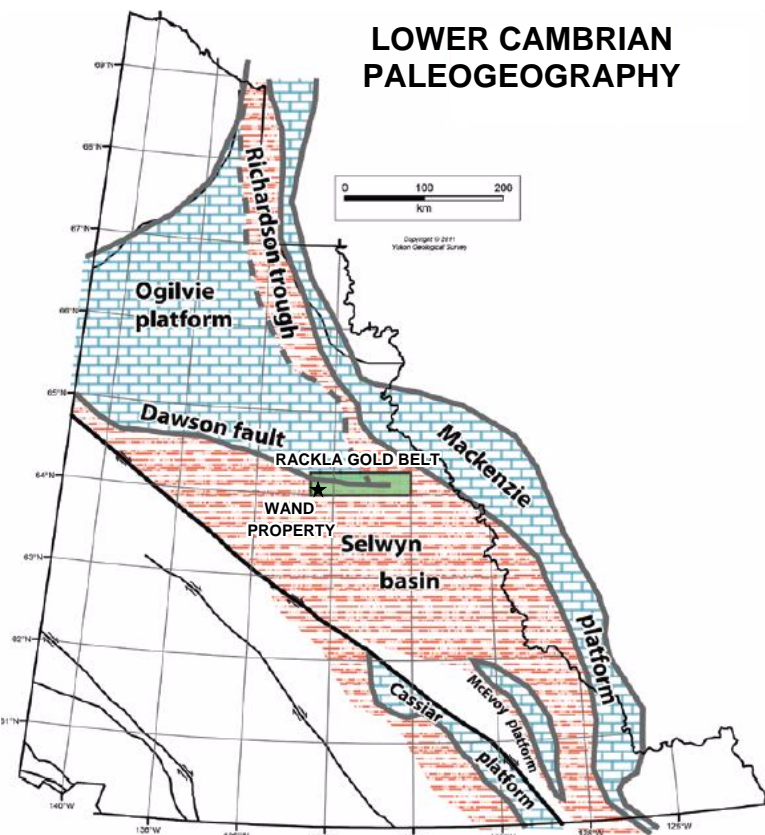
The Rackla Belt can be divided into five stratigraphic and facies domains that are generally bounded by the Dawson Thrust and Kathleen Lakes faults (Figure 3).

- 1) Neoproterozoic to Paleozoic Selwyn Basin: The southern part of the belt (hanging wall of the Dawson Thrust Fault) comprises Neoproterozoic to Upper Paleozoic predominantly off-shelf clastic sedimentary rocks of Selwyn Basin;
- 2) Paleozoic Off-shelf: To the north of the Selwyn Basin, Ordovician to Permian off-shelf carbonate and shale (including abundant debris flow and turbidite deposits) are bound by the Dawson Thrust and Kathleen Lakes faults;
- 3) Neoproterozoic Off-shelf (Windermere Supergroup?): In the northeastern part of the belt, rocks in the footwall of the Dawson Thrust Fault consist of fine-grained siliciclastic and carbonate rocks. Ediacaran fossils in this sequence suggest correlation with the upper part of the Neoproterozoic Windermere Supergroup;
- 4) Paleozoic Platform: Platformal carbonate rocks of Ordovician to Devonian age occur mainly north of the Kathleen Lakes Fault in the central part of the belt. A notable exception is a window of this package at the west end of the belt; and,
- 5) Proterozoic: Older Proterozoic rocks of the Wernecke Supergroup and Pinguicula Group occupy the region north of the Kathleen Lakes Fault in the northwestern part of the belt.

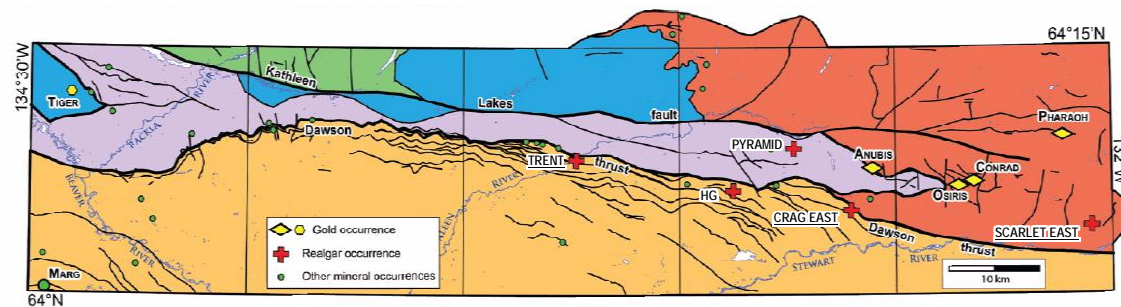
# RACKLA BELT STRATIGRAPHIC AND FACIES DOMAINS



## LOWER CAMBRIAN PALEOGEOGEOGRAPHY



## MINERALIZATION ALONG RACKLA BELT



Note: Underlined showings are held by Strategic Metals Ltd.

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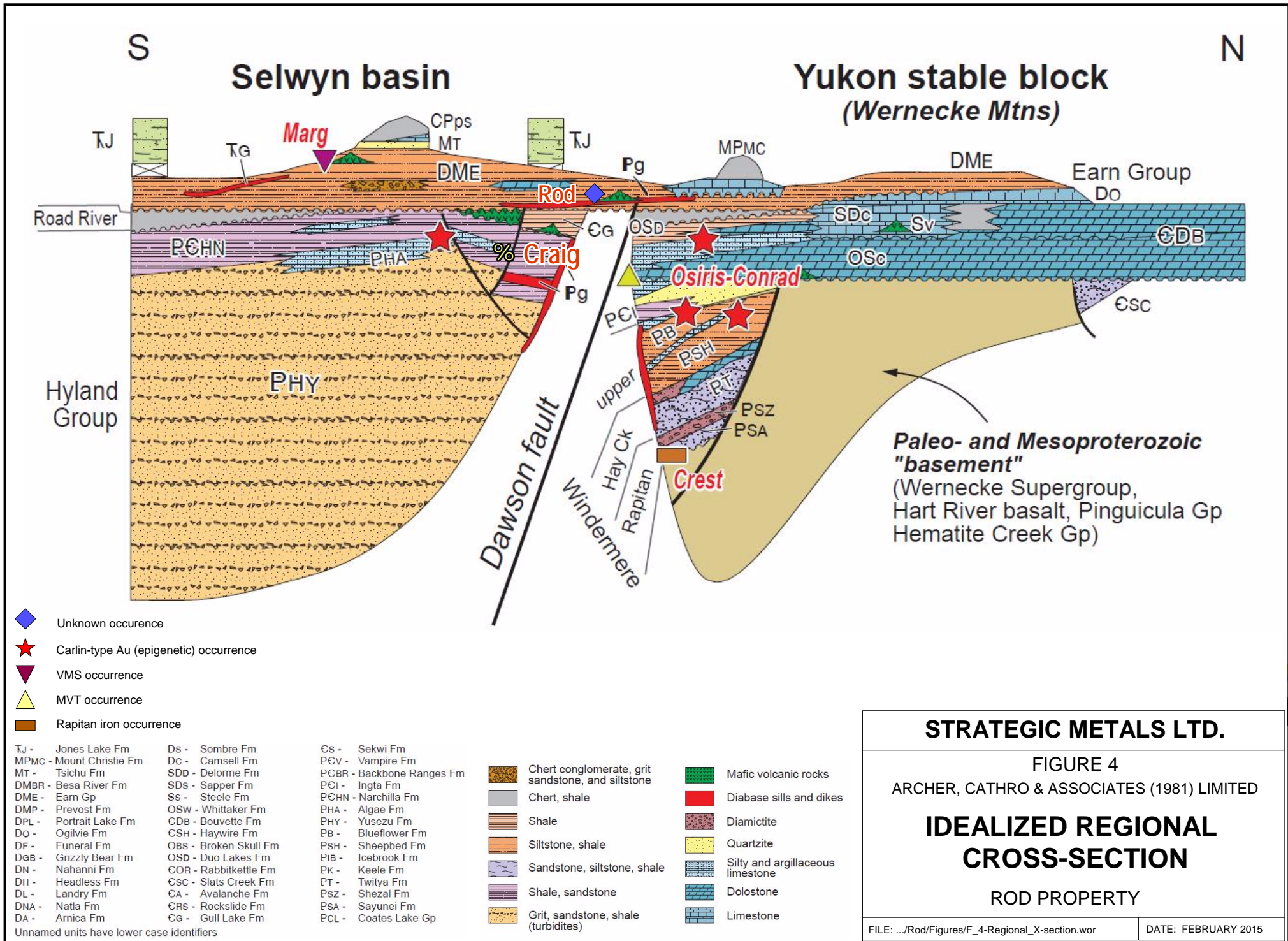
FIGURE 3  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**RACKLA BELT  
 REGIONAL GEOLOGY**

ROD PROPERTY

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After Colpron et al, 2013



The transition between platformal and basinal facies varies around Selwyn Basin. Its eastern boundary exhibits a more typical facies transition that migrates through time. By contrast, the northern boundary of Selwyn Basin is strongly localized and was apparently controlled by the Dawson Thrust Fault. Figure 4 illustrates an idealized cross-section through Rackla Belt stratigraphy, along the northern boundary of Selwyn Basin. The lithological units that occur in the immediate vicinity of the Rod property are described in Table II.

**Table II - Regional Lithological Units (after Colpron et al, 2013)**

Unit Name	Age	Map Name	Description
Selwyn Suite	Mid-Cretaceous	mKgS	Resistant, blocky, fine to coarse grained equigranular to porphyritic (K-feldspar) biotite quartz monzonite and granodiorite and minor quartz diorite.
Galena Suite	Triassic	TrG	Massive, medium-grained hornblende diorite and gabbro sills; massive chloritic and locally serpentinized greenstone sills.
Jones Lake	Middle to Upper Triassic	TrJ	Brown to buff weathering, calcareous fine grained sandstone, argillite and shale; extensive ripple cross-lamination and bioturbation; massive, light grey weathering, fine crystalline, dark grey limestone; minor orange weathering platy limestone.
Tsichu Formation	Carboniferous to Permian	CPT	Thin to medium bedded, siliceous calcarenite, dolomite, sandy dolomite and minor grey quartzite; buff and grey weathering, thick bedded, dark grey bioclastic limestone.
Keno Hill Formation	Mississippian	MK	Massive to thick bedded quartz arenite; thin to medium bedded quartz arenite interstratified with black shale or carbonaceous phyllite.
Earn Group	Devonian to Mississippian	DME (undifferentiated)	Complex assemblage of submarine fan and channel deposits within black siliceous shale and chert and including separated small occurrences of felsic volcanic rocks; barite common; rare limestone.
		DME3	Massive felsic to intermediate volcanic flows, tuffs and subvolcanic plug(s); locally highly altered; greenish chert and minor black slate; quartz eye quartz-sericite chlorite phyllite; local vesicular or amygdaloidal basalt, locally pillowed.
Bouvette Formation	Upper Cambrian to Lower Devonian	CDB1	Grey- and buff-weathering dolomite and limestone, medium to thick bedded; white to light grey weathering, massive dolomite; minor platy black argillaceous limestone, limestone conglomerate and black shale; massive bluish-grey weathering dolostone.
Unconformity (?)			
Hyland Group	Upper Proterozoic to Lower Cambrian	PCH (undifferentiated)	Consists upwards of coarse turbiditic clastics, limestone (PCH2) and fine clastics typified by maroon and green shale (PCH3); may include younger units; includes scattered mafic volcanic rocks (PCH5).
		PCH2	Grey weathering, dark grey to grey-white, thin to thick bedded, very fine crystalline limestone, locally sandy; calc-

			silicate and marble.
		PCH3	Distinctive, recessive, maroon weathering, interbedded maroon and apple-green slate; "Oldhamia" trace fossils; rare grey chert; locally basal member and interbeds of quartz siltstone, sandstone and quartz-pebble conglomerate.
		PCH5	Dark brown- and green- to light grey-weathering, dark green volcanic rocks, commonly with calcite-filled vesicles, breccia, tuff, and agglomerate; minor interbedded shale, chert, siltstone and limestone.

### **PROPERTY GEOLOGY**

In 2011, Strategic Metals conducted 1:10000 scale mapping of the entire Rod property (Figure 5). The following is a summary based on this work as well as observations made by exploration geologists who have worked on the property at various times.

The southern and eastern portions of the property are underlain predominantly by Hyland Group rocks. The stratigraphically lowest unit within the Hyland Group is thick bedded, beige to light brown, medium to coarse-grained quartz rich sandstone and arkose sandstone (PCHg). Minor quartz-pebble conglomerate, dark grey limestone and dark-grey shale horizons are interbedded with the sandstones. Maroon and green shale with lesser amounts of coarse-grained quartz sandstone to quartz pebble conglomerate (PCHs) overlie the sandstone unit. Up stratigraphic section from the maroon and green shale is laminated to thin bedded, orange-grey weathered, dark grey, fine-grained, silty limestone (PCHc).

Also in the eastern part of the property, unconformably overlying the Hyland Group, is a package of rocks dominated by poorly sorted, coarse clastic sequences indicative of deposition in a gravitationally unstable, transitional shelf environment. Most notably, debris flow deposits comprise sand to cobble sized lithic clasts dominantly made up of limestone, sandstone and shale. Larger clasts are aligned sub-parallel to bedding. The debris flows are interbedded with coarse-grained, calcareous, lithic sandstone and lithic pebble conglomerate (CG).

The northern and western parts of the property are mainly underlain by Earn Group rocks. In the Discovery Ridge area, Earn Group is confined to the footwall of the Dawson Thrust Fault, but to the west it occurs above and below the thrust.

In the central part of the property, Earn Group is dominated by dark grey to black, variably carbonaceous and variably siliceous shale to siltstone (DMEs). Carbon content within the shale tends to be higher than normal near faults. Occasional barite veins with some coarse sphalerite and rare quartz-galena veins are found within the shales near late structures. The nature of the soft shale in contrast to the quartz-rich Hyland Group rocks creates a distinct change in geomorphological character with vegetated, rounded ridges in the north changing to steep, rugged ridges in the south. The transition between these two domains roughly corresponds to the Dawson Thrust Fault.

Several units of unknown ages near the Dawson Thrust Fault have been grouped with the Earn Group. In the central part of the property, a package of rocks dominated by green, volcanic breccia interbedded with volcanoclastic, sandstone and tuff (DMEv) sit structurally above the Earn Group shales, and crops out discontinuously along the Dawson Thrust Fault. This package commonly grades northwards into fine-grained, micaceous sandstone and black chert (DMEch) and rarely into heterogeneous, poorly sorted breccia containing clasts of de-calcified carbonate, chert and shale. In the west-central part of the property, structurally up section from the volcanoclastic rocks, hornblende-pyroxene gabbro bodies of Triassic Galena Suite (TrG) crop out discontinuously in thin, linear dykes parallel to the thrust fault. Locally, fault bounded ultramafic bodies and their altered equivalents (um) and grey, thin bedded quartzite (DMEq) also crop out near the Dawson Thrust Fault.

West of the central map area, the Dawson Thrust Fault cuts the Earn Group and exposes thin bedded, dark grey-brown chert interbedded with dark grey shale and siltstone (DMEs). In the far west part of the property, south of the Dawson Thrust Fault, brown weathered, grey, fine-grained, calcareous sandstone interbedded with dark grey shale is also interpreted to be part of the Earn Group. Locally interbedded with these rocks are fine-grained quartz-rich sandstone, phyllite and brown, fine to medium-grained arkose sandstone with cross bedding (DMEps).

### **Structure**

The Rod property straddles the Dawson Thrust Fault for a length of 25 km. The Dawson Thrust Fault has been historically drawn on maps as one continuous fault; however detailed mapping indicates that the Dawson Thrust Fault in this area is an imbricate zone comprising up to four thrust faults that shorten and imbricate Hyland Group, Earn Group and possible Cambrian to Triassic strata. For clarity, the term Dawson Thrust Fault in this report refers to the leading edge of deformation (the most northerly fault) within the imbricate zone. Where exposed, the leading edge of deformation (Dawson Thrust Fault) appears to be overprinted by brittle deformation suggesting it has been re-activated. Evidence for brittle deformation includes closely spaced fracture sets labelled as late foliations on Figure 5, quartz and calcite veins and crenulations in shale. Typically thrust faults within the imbricate zone strike about 070° to 090° and dip moderately to the south.

The dominant fabric within the Rod property is a penetrative foliation that manifests itself as a slaty cleavage in some units. This fabric is overprinted by a late foliation that only occurs near the Dawson Thrust Fault. Both the penetrative foliation and the late foliation strike between 055° to 120° and dip shallowly to moderately to the south. Bedding is often preserved in Hyland Group sandstone and Cambrian strata. It strikes between 070° to 125° and dips moderately to the south, except near fold hinges.

Several phases of folding are observed within the Rod property. Early, isoclinal folding of the Hyland Group and Cambrian strata complicate the map pattern. The penetrative foliation is axial planar to these overturned folds which plunge shallowly to the southeast. Late, upright, tight folds generally trend east-west and plunge very shallowly. In the footwall of the Dawson Thrust Fault, within Earn Group shale, centimetre scale folding is observed in close proximity to the



fault. These folds deform the penetrative foliation, plunge moderately to the southeast, and are interpreted to be linked to late fault movements.

Within the footwall of the thrust stack, a west-southwesterly trending fault of unknown kinematics that cuts Earn Group shale has been traced for 8 km. This fault, (the “Flowers Fault”), is a brittle feature that appears to have accommodated significant fluid flow. Closely spaced fracture sets that contain metal oxides and quartz veins are much more abundant within the vicinity of this structure than are seen elsewhere on the property.

High-angle dip-slip faults offset stratigraphy, early isoclinal folds and thrust faults. Movement along these steep structures is interpreted to post-date all other structural features but direct evidence for this has not been found. These structures are generally north striking with a sinistral strike-slip component to the movement.

### MINERALIZATION

Since 1977, prospecting and rock sampling have been conducted within the boundaries of the current Rod property by several operators. Historically, work has focused on four mineral occurrences located in the Discovery Ridge area: the Odysseus Zone, the JRS Zone, the Calypso Vein and the Mentor Showing.

Work performed by Strategic Metals has identified an additional four occurrences on the property. These occurrences are the Violet Zone, Rose Zone, Pearl Zone and Hermes Zone.

In 2014, Strategic Metals collected a total of 126 rock samples from the property. The 2014 rock sample locations are plotted on Figure 6, while significant results from all rock samples taken by Strategic Metals to date are illustrated on Figure 7, along with the locations of the eight mineral occurrences. Rock Sample Descriptions and Certificates of Analysis for the 2014 samples are provided in Appendices III and IV, respectively.

In 2014, rock sample sites were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit. Rock sample preparation and multi-element analyses were carried out at ALS Minerals’ laboratories in Whitehorse, Yukon and North Vancouver, BC. Each sample was dried and fine crushed to better than 70% passing 2 mm, and then a 250 g split was pulverized to better than 85% passing 75 microns. The fine fraction was analyzed for 51 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS41). An additional 30 g charge was further analysed for gold by fire assay with atomic absorption spectroscopy finish (Au-AA26).

The following are brief descriptions of the eight mineral occurrences that have been identified on the property.

**The Odysseus Zone** is a roughly 850 m by 350 m arc that straddles the northern part of Discovery Ridge, and covers Earn Group strata in the footwall of the Dawson Thrust Fault. Mineralization in this zone is both structurally and stratigraphically controlled. Significant

assays have been obtained from northeast trending veins containing quartz and galena, and from black shale, which often appears barren but sometimes features secondary oxides on fractures.

The host unit is a dusty grey weathering black shale that locally exhibits a pale green hue on weathered surfaces. Outcrop is rare, but this unit is represented as near-source fine talus within vegetation kill zones up to several tens of metres in diameter. Quartz vein and massive galena float is scattered throughout the zone, in some places occurring with strong malachite staining.

In 1979, drill hole CSR-3 was collared within the Odysseus Zone. It targeted the presumed source of massive galena float, between 70 and 100 m north of the collar. This hole was abandoned at 40 m due to poor ground conditions (James, 1980). No assays were reported from this hole.

In 1984, hand trenching was performed within the galena rich area targeted by CSR-3. Two trenches, spaced 20 m apart, exposed a swarm of northwest trending quartz veins and veinlets stained with yellow oxide, possibly plumbojarosite. In one of the trenches, the exposed vein is 1.3 m wide and includes a 20 cm wide core of massive, fine grained galena, which assayed 57.56 oz/ton (1973 g/t) silver, and 66.2% lead (Carne, 1984).

In 2010, Strategic Metals collected float and chip samples from the Odysseus Zone. A selective grab sample, collected from a seam of galena in outcrop returned 1855 g/t silver, 43.03% lead and 1820 ppm molybdenum, while a composite sample composed of moderately abundant fragments of green stained quartz vein and quartz breccia, collected from a kill zone, assayed 1760 g/t silver and 6.12% lead. A grab sample of massive galena taken from an historical trench about 100 m east of the kill zone assayed 2370 g/t silver and 76.85% lead (Eaton and Kammerer, 2011).

In 2011, Strategic Metals drilled 10 diamond drill holes in the Odysseus Zone, targeting down dip and strike extension of mineralization exposed around the previously identified kill zone. Drilling tested a strike length of 400 m and to a maximum vertical depth of 360 m below surface. All of the holes intersected black shale with syngenetic pyrite and varying degrees of graphitic alteration. Mineralization was confined to narrow quartz veins and consisted of pyrite, galena and sphalerite (Dumala, 2012).

Table III summarizes the significant intersections from the 2011 diamond drilling.

**Table III: Significant 2011 Odysseus Zone Drill Intersections**

Hole #	From (m)	To (m)	Interval (m)	Ag (g/t)	Pb (%)	Zn (%)
ROD-11-01	82.30	85.34	3.04	18.15	0.748	1.635
ROD-11-02	No Significant Assays					
ROD-11-03	93.80	102.11	8.31	101.91	4.758	4.443
Includes	99.59	100.58	0.99	502.00	28.010	19.950
ROD-11-04	107.66	112.78	5.12	19.39	0.776	2.524
ROD-11-05	110.31	111.25	0.94	59.50	3.320	0.834
ROD-11-06	41.15	48.77	7.62	22.84	0.159	0.018
And	67.06	79.25	12.19	19.29	0.171	0.018
And	124.97	128.02	3.05	53.90	1.885	0.534
ROD-11-07	32.00	35.05	3.05	21.40	0.101	0.006
And	92.96	96.01	3.05	42.30	0.026	0.054
And	114.30	117.35	3.05	18.50	0.537	2.690
And	129.54	132.59	3.05	19.10	0.400	0.445
ROD-11-08	53.05	56.39	3.34	30.94	1.108	0.216
Includes	53.05	53.67	0.62	116.00	5.480	0.967
ROD-11-09	21.34	24.38	3.04	34.00	1.335	0.046
And	51.82	60.96	9.14	34.46	1.524	0.017
Includes	54.86	57.91	3.05	73.50	3.970	0.014
ROD-11-10	154.35	164.03	9.68	25.35	0.741	0.422
Includes	162.94	164.03	1.09	108.00	3.100	1.225

Sampling in 2014 has expanded the Odysseus Zone to the southwest. Four pit samples returned nickel values in excess of 1000 ppm, with a peak value of 1690 ppm. The samples consisted of dark maroon-black and metallic volcanic material and orange weathering, dark green listwanite(?). In addition, a float grab of dark pitted scoria returned 5.45% zinc. These samples were all collected south of the 2011 drill hole collars, in an area mapped as Earn Group chert, shale and breccia (DMEch).

**The Calypso Vein** is situated on Discovery Ridge and consists of a two to four metre thick siderite vein exposed in two hand trenches spaced 250 m apart. Between the trenches, the surface trace of the vein is marked by abundant mineralized sub-crop and talus. Locally the vein contains blebby galena and sphalerite, with smaller isolated occurrences of oxidized zinc and weathered massive galena. The vein is coincident with a northeast trending fault structure within the Hyland Group (Arnold and Floyd, 1977). It exhibits a conspicuously dark brown weathering that distinguishes it from the surrounding limestone and shale.

Historical channel sampling of the vein returned 6.9 oz/ton (236.6 g/t) silver, 13.25% lead and 1.15% zinc over 15 m in one trench and an average of 4 to 5 oz/ton (137.1 to 171.4 g/t) silver in another 38 m long trench. Drill holes CSR-1, 2 and 4 tested the depth extension of this structure. All three holes encountered numerous highly oxidized but poorly mineralized zones (James, 1980).

Chip samples collected by Strategic Metals in 2010 from a historical trench exposing the Calypso Vein returned 256 g/t silver, 10.7% lead and 4.4% zinc over 2.01 m. This trench is

located on the uphill side of an approximately 150 m long by 4 m wide area of sub-crop and float, containing abundant siderite (Eaton and Kammerer, 2011).

Pit samples collected in 2014 from the vein extended its strike length by another 190 m. Well mineralized samples from the pits returned peak values for silver (1855 g/t), lead (60.74%), zinc (18.95%), copper (10700 ppm), arsenic (8000 ppm) and antimony (>10000 ppm). The cross-cutting relationship of the vein indicates that it post-dates movement along the Dawson Thrust Fault.

**The Mentor Showing** is located along the Dawson Thrust Fault on Discovery Ridge, and covers an 8 m by 6 m area of gossanous shale and two small hand trenches. Numerous cobble sized fragments of highly oxidized zinc- and galena-rich vein material are present in and around one of the trenches but no mineralization was found in the other. Its higher zinc content and proximity to the thrust fault distinguish this showing from the nearby Odysseus Zone. An historical sample taken here assayed 2.95 oz/ton (101.1 g/t) silver, 4.05% lead and 1.48% zinc (James, 1980).

In 2010, a grab sample of high-grade vein material, taken from the Mentor Showing, assayed 722 g/t silver, 29.5% lead and 7.95% zinc. A grab sample of limonitic and punky galena-bearing material, collected from a hand pit at the Mentor Showing in 2014, returned 834 g/t silver, 38.97% lead and 7.53% zinc.

**The JRS Zone** is located 500 m west of Discovery Ridge. It is underlain by Earn Group shale and is located in a geological setting similar to that of the Odysseus Zone, relative to the Dawson Thrust Fault. The area was first identified by Manson Creek Resources and appears to be the source of a transported gossan deposited in a northwest flowing creek. Manson Creek Resources drilled three holes (JRS-1, -2 and -3) near the head of the gossan, which intersected numerous thin intervals of pyrite-dominated, syngenetic massive sulphide that assayed up to 0.38 g/t gold and 27.6 g/t silver. Thicknesses of sulphide intervals ranged from 5 to 40 cm. The occurrence was described as being blind-to-surface (Jutras, 2003).

In 2014, two outcrop samples were collected at the head of a gossanous tributary drainage in the JRS Zone, from a 30 cm wide horizon of bright orange and intensely limonitic, stratiform silica, with masses of coarse grained sphalerite. These samples returned values of up to 2000 ppm nickel and 1.96% zinc.

**The Rose Zone** lies 4300 m west of Discovery Ridge and covers a southwest trending fault and associated gully. A 2011 sample from a quartz boulder containing galena and trace malachite assayed 7.59% lead and 229 g/t silver, while nearby rusty quartz float assayed 1.15% lead, 0.69% zinc, 539 g/t silver, 4950 ppm vanadium and 465 ppm molybdenum.

A composite sample, collected in 2011, of limonitic float containing dark purple and blue-black oxide values of 1% zinc, 3390 ppm nickel and 208 ppm molybdenum. In 2014, a composite sample of orange-brown material from the same area with banded limonite and goethite, and weak clay alteration returned 1935 ppm nickel.

**The Pearl Zone** is located on a north trending ridge approximately 3000 m to the west of Discovery Ridge, on the west side of Rod Creek. It is underlain by Earn Group strata in the immediate footwall of the Dawson Thrust Fault. Samples collected in 2014 comprised: variably graphitic black shale and shale breccia with oxide mineralization; quartz, barite and witherite vein material with encrusting anglesite and malachite, and coarse grained disseminated sphalerite; and rounded cobbles of massive galena. A selective grab sample of massive galena cobbles, with sparse encrusting anglesite, assayed 4410 g/t silver and 79.48% lead. Two samples of barite vein material with coarse grained sphalerite returned 3.91% and 2.34% zinc, respectively.

**The Violet Zone** is located 800 m west of the Rose Zone. In 2011, Strategic Metals drilled hole ROD-11-12 in the Violet Zone, targeting an anomalous contour soil sample. This hole intersected black graphitic shale and a 6.5 metre band of pitted volcanic rock containing an orange oxide material. A 10.67 m wide interval, which included the volcanic horizon, averaged 1512 ppm nickel, 195 ppm molybdenum and 2386 ppm vanadium, including a sub-interval that graded 4870 ppm nickel and 376 ppm molybdenum over 1.52 m.

In 2014, a sample collected near the collar of hole ROD-11-12 of a dark, porous and sugary volcanic(?) rock, with rare white precipitate, returned values of 3.53% zinc and 3860 ppm nickel. Another sample taken in this area, which consisted of tarnished quartz vein with steel coloured sulphide mineralization and brightly coloured secondary oxide, assayed 4940 ppm copper and 2500 ppm vanadium.

**The Hermes Zone** lies 2160 m east of the Odysseus Zone, in the immediate footwall of the Dawson Thrust Fault. In 2011, two rock samples were collected in this area, in conjunction with geological mapping. These samples returned gold values of 1.21 g/t and 3.28 g/t. This area has received no further work.

In 2011, Strategic Metals drilled one diamond drill hole outside of these main showings. Hole ROD-11-11 was collared 3400 m west of the Odysseus Zone and was designed to test an anomalous contour soil sample. This hole intersected shale with narrow dolomite intervals, and minor quartz veins. No significant mineralization was encountered.

### **HAND TRENCHING**

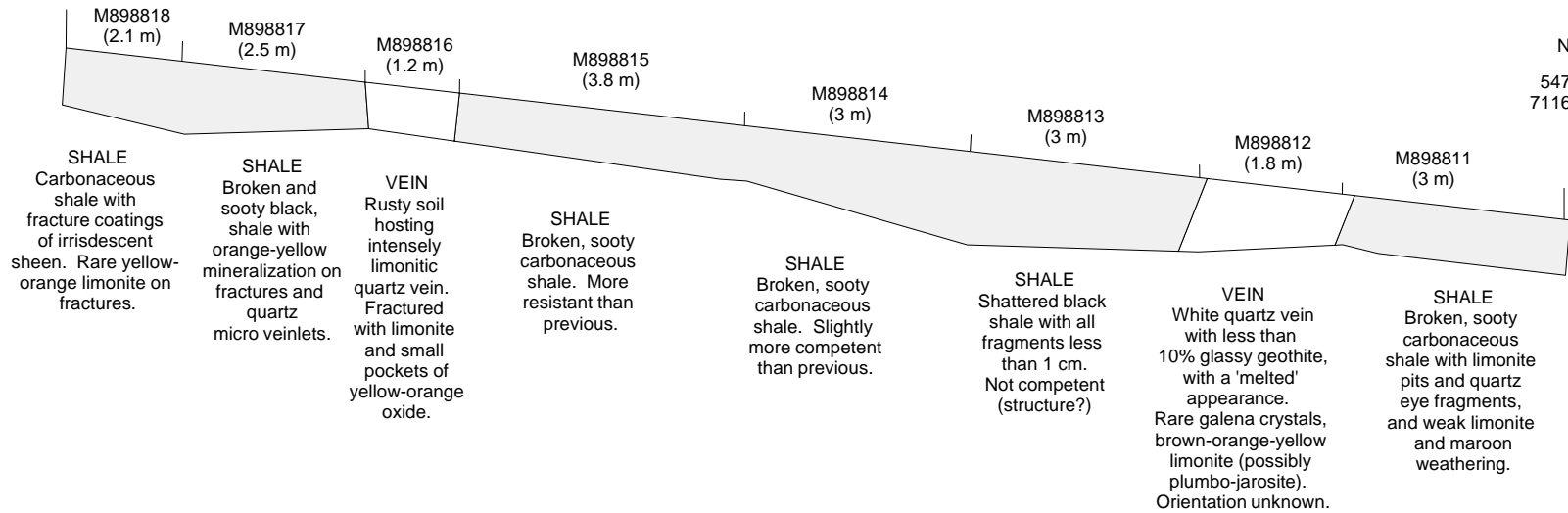
In 2014, Strategic Metals completed five hand trenches (TR-14-01 to -05) on the Rod property. The locations of these trenches are illustrated on Figure 7, while detailed maps of individual trenches are provided in Figures 8 to 12.

Two hand trenches in the Pearl Zone, trenches TR-14-01 and TR-14-02, were excavated across ridge-top gullies through variably carbonaceous Earn Group shale (DMEs). Trench TR-14-01 was designed to test the source of anomalous soil geochemistry on both sides of the ridge, while trench TR-14-02 was positioned to identify the source of a witherite float train that was identified a few metres away. Both trenches failed to intersect any significant mineralization.

**WEST RIB**

SOUTH  
547843 mE  
7116108 mN

NORTH  
547836 mE  
7116128 mN



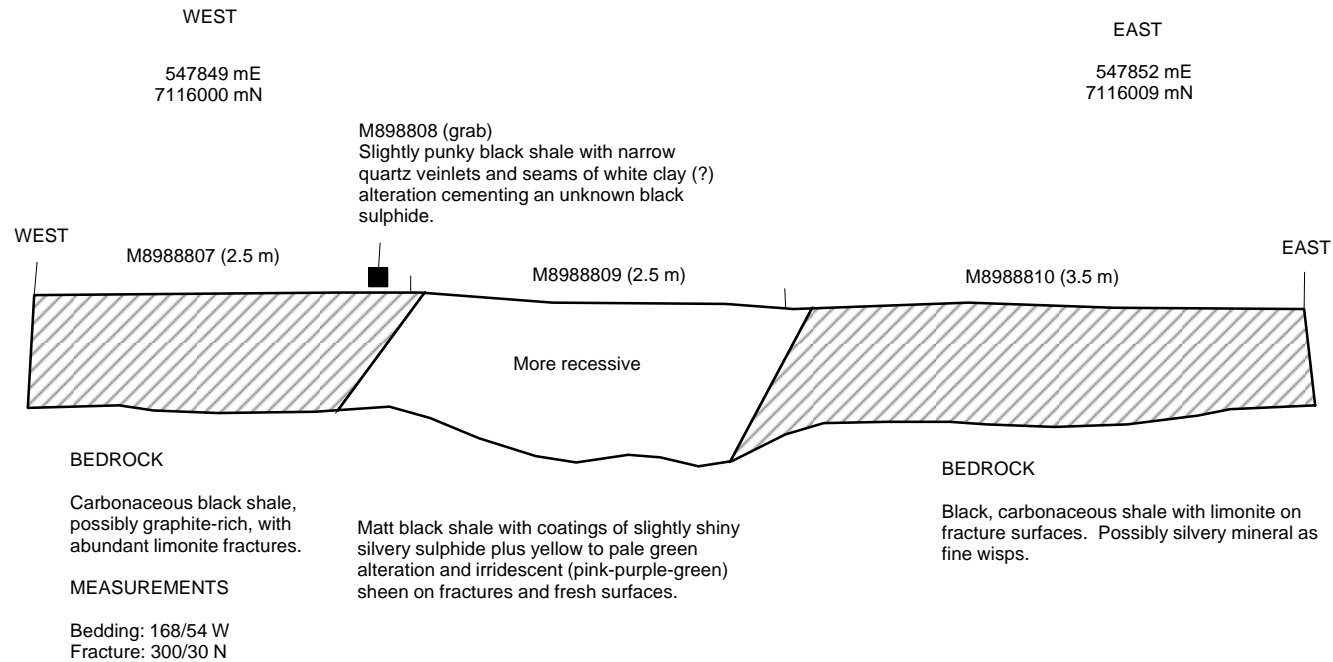
**STRATEGIC METALS LTD.**

FIGURE 8  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**TR-14-01  
ROD PROPERTY**



# NORTH RIB



**STRATEGIC METALS LTD.**

FIGURE 9  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

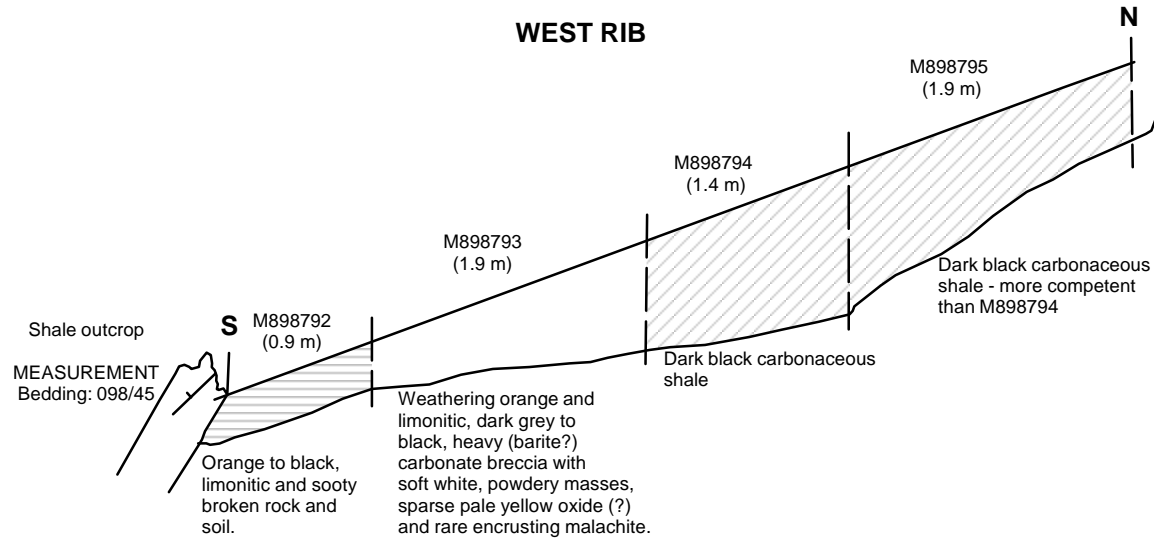
**TR-14-02**  
**ROD PROPERTY**



SOUTH  
546694 mE  
7116831 mN

NORTH  
546693 mE  
7116840 mN

### WEST RIB



## STRATEGIC METALS LTD.

FIGURE 10  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**TR-14-03**  
**ROD PROPERTY**

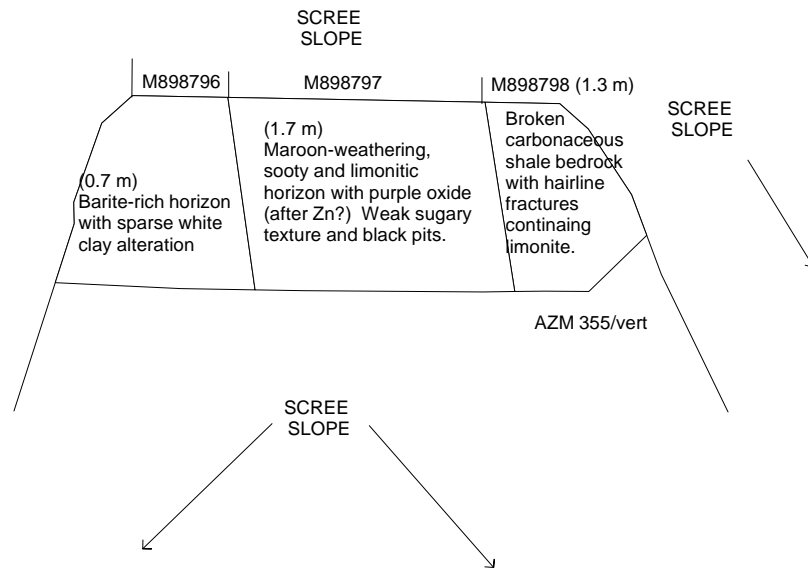




WEST  
546693 mE  
7116822 mN

### NORTH RIB

EAST  
546698 mE  
7116822 mN



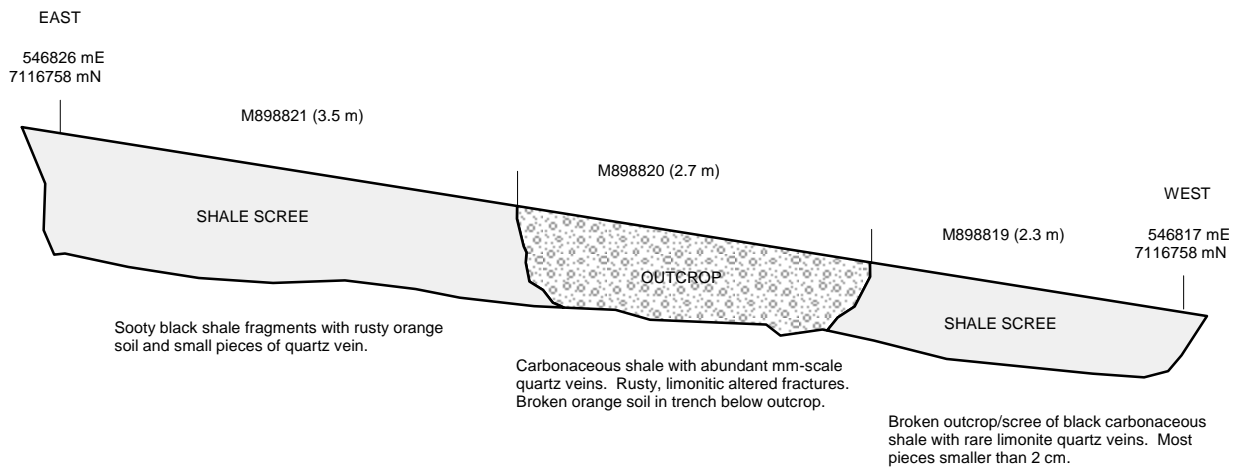
**STRATEGIC METALS LTD.**

FIGURE 11  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**TR-14-04**  
**ROD PROPERTY**

0 1 m

**SOUTH RIB**



**STRATEGIC METALS LTD.**

FIGURE 12  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**TR-14-05**  
**ROD PROPERTY**



Trenches TR-14-03 and TR-14-04 were located in the Rose Zone and were designed to identify the source of barite cobbles found in float, as well as the source of a 2011 rock sample that assayed 3390 ppm nickel. Both trenches successfully exposed baritic material that assayed over detection limits (>1%) for barium, including a 3.3 m long chip sample in trench TR-14-03. A 0.9 m chip sample of limonitic and sooty black shale in trench TR-14-03 yielded 281 ppm molybdenum. In addition, a 1.7 m long chip sample in trench TR-14-04 of earthy maroon-weathering and limonitic rock returned 0.88% zinc. Results from other samples taken in this zone yielded background to weakly elevated values for all other metals of interest.

Trench TR-14-05 was located on a north facing talus slope, on the edge of the Rose Zone, in order to expose unusually weathering and strongly carbonaceous black shale. The trench exposed sooty black shale with abundant limonitic quartz veinlets, including a 2.7 m long interval that returned 0.49% zinc.

### **SOIL GEOCHEMISTRY**

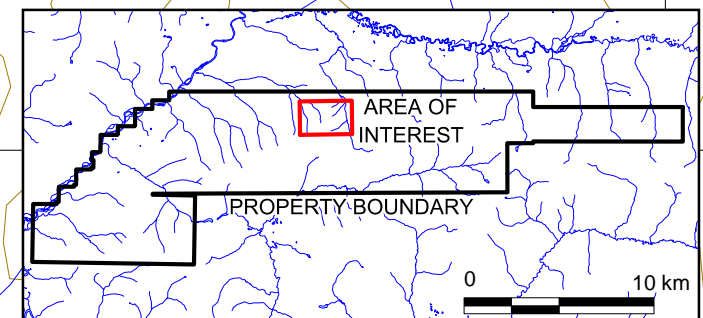
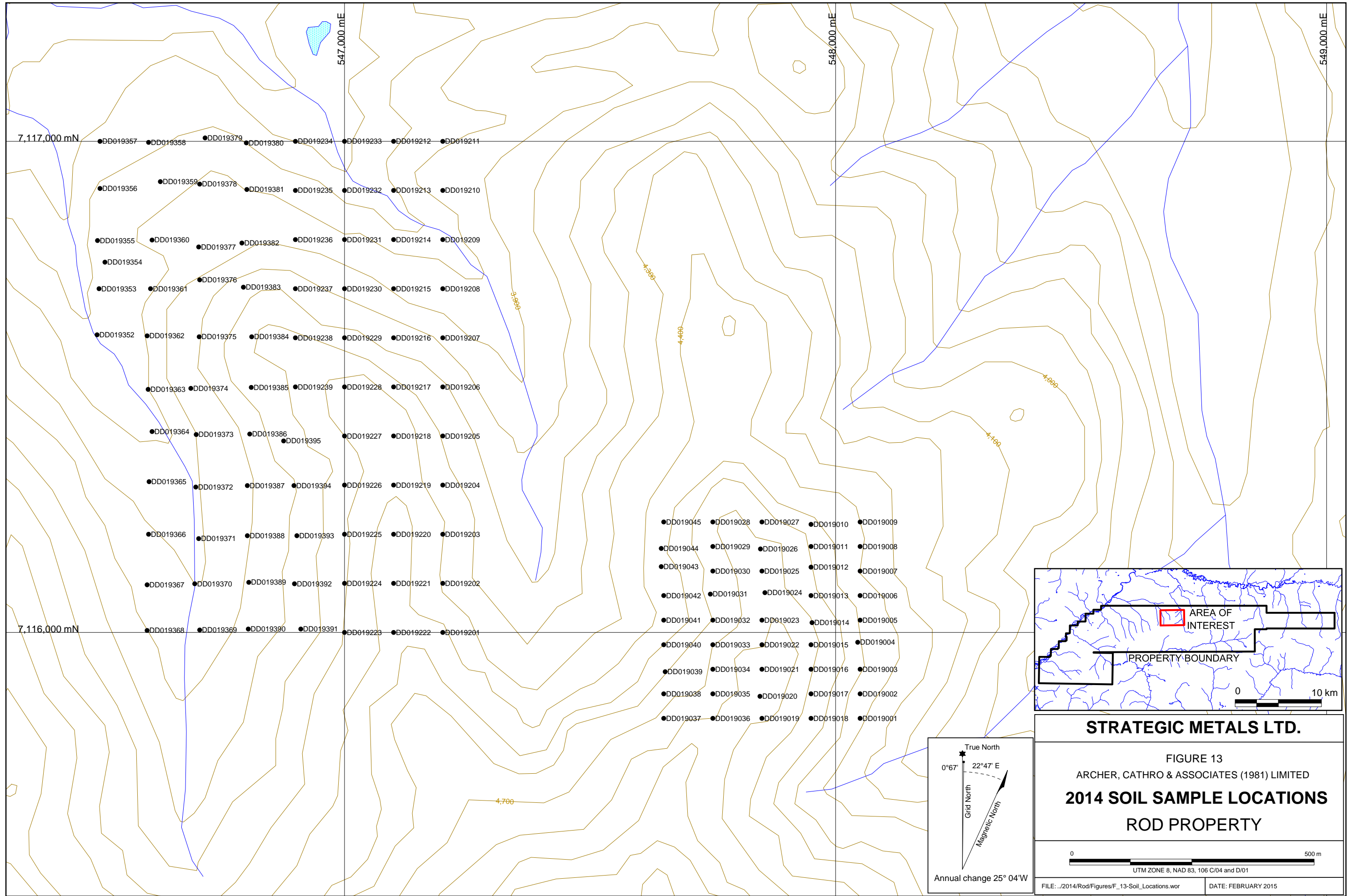
Geochemical surveys were conducted by Strategic Metals on parts of the Rod property in 2010 and 2011, primarily on Discovery Ridge area, and in an area extending 9.5 km west from that ridge.

In 2014, Strategic Metals collected 128 grid soil samples in order to expand coverage over the Rose Zone and increase sample density at the Pearl Zone. The 2014 sample locations are shown on Figure 13, while results from all programs for silver, lead, zinc, gold, copper, arsenic, nickel, vanadium, antimony and molybdenum are illustrated thematically on Figures 14 to 23, respectively. Certificates of Analysis for the 2014 samples are provided in Appendix IV.

The 2014 soil sample locations were recorded using hand-held GPS units. 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. Soil samples were collected from 5 to 75 cm deep holes dug by hand-held auger. They were placed into individually pre-numbered Kraft paper bags. The soil samples were sent to ALS Minerals in Whitehorse, where they were dried and screened to -180 microns. The fine fractions were then shipped to ALS Minerals in North Vancouver where they were analysed for 51 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS41). An additional 30 g charge was further analysed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21). Anomalous thresholds and peak values for the metals of interest are listed in Table IV.

**Table IV– Threshold and Peak Values for Soil Samples**

Element	Anomalous Thresholds				
	Weak	Moderate	Strong	Very Strong	Peak
Silver (ppm)	≥ 2 < 5	≥ 5 < 10	≥ 10 < 20	≥ 20	293
Lead (ppm)	≥ 100 < 200	≥ 200 < 500	≥ 500 < 1000	≥ 1000	20700
Zinc (ppm)	≥ 500 < 1000	≥ 1000 < 2000	≥ 2000 < 5000	≥ 5000	60400
Gold (ppb)	≥ 10 < 20	≥ 20 < 50	≥ 50 < 100	≥ 100	137*



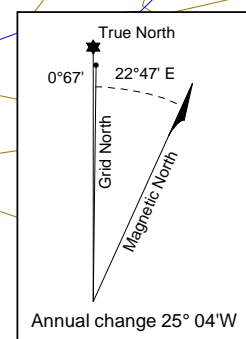
**STRATEGIC METALS LTD.**

FIGURE 13  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**2014 SOIL SAMPLE LOCATIONS**  
 ROD PROPERTY

0 500 m

UTM ZONE 8, NAD 83, 106 C/04 and D/01

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Copper (ppm)	≥ 100 < 200	≥ 200 < 500	≥ 500 < 1000	≥ 1000	1110
Arsenic (ppm)	≥ 200 < 500	≥ 500 < 1000	≥ 1000 < 2000	≥ 2000	10400
Nickel (ppm)	≥ 50 < 100	≥ 100 < 200	≥ 200 < 500	≥ 500	2270
Vanadium (ppm)	≥ 100 < 200	≥ 200 < 500	≥ 500 < 1000	≥ 1000	5360
Antimony (ppm)	≥ 10 < 20	≥ 20 < 50	≥ 50 < 100	≥ 100	918
Molybdenum (ppm)	≥ 10 < 20	≥ 20 < 50	≥ 50 < 100	≥ 100	701

\* 2014 soil sample.

Metal-in-soil values are generally strongest along ridges underlain by Earn Group, near the Dawson Thrust Fault and the Flowers Fault. Peak silver (293 ppm) and lead (2.07%) values occur in the Odysseus Zone, which covers black shale and siltstone (DMEs), while the highest zinc (6.04%) and nickel (0.227%) values occur at the head of a creek that separates the Odysseus Zone from the JRS Zone. All of these results are part of a broad east-northeast trend of anomalous silver, lead, zinc, molybdenum and antimony, which parallels the Dawson Thrust Fault. Anomalous lead values tend to be tightly constrained to this trend, while elevated zinc and molybdenum values are more dispersed.

The peak gold value (137 ppb) was collected in 2014 at the Rose Zone, an area of localized but very strongly anomalous lead, vanadium and antimony geochemistry with strongly anomalous silver, zinc, copper, arsenic, nickel and molybdenum support.

The peak molybdenum value (701 ppm) was collected at the Violet Zone in 2011. This sample also returned 0.48% lead, 0.145% zinc, 15.6 g/t silver, 125.5 ppm tin, 441 ppm nickel and 1450 ppm vanadium. Hole ROD-11-12 targeted the inferred source of this anomalous sample, and the results are discussed in the Mineralization section earlier in this report. This area has not yet been grid soil sampled.

## **DISCUSSION AND CONCLUSIONS**

The Rod property lies within the Rackla Belt, a district containing a number of advanced exploration prospects. Strategic Metals has identified at least three distinct styles of mineralization on the property: late stage silver-bearing veins that cross-cut regional structures and stratigraphy, such as the Odysseus Zone and Calypso Vein; syngenetic and stratiform massive sulphide and barite occurrences in the JRS and Rose Zones; and volcanic-related(?) nickel-molybdenum±zinc mineralization, which was intersected in 2011 by hole ROD-11-12 at the Violet Zone.

Strategic Metals' 2014 program successfully expanded the size of the Odysseus Zone and extended the strike length of the Calypso Vein. Rock samples collected in the Odysseus Zone south and uphill of the 2011 drill hole collars, in a lithological unit that has previously received little attention, were significantly enriched in nickel and zinc. In addition, prospecting identified a new mineral occurrence – the Pearl Zone – with potentially economic-grade silver mineralization. Soil sampling highlighted the geochemical anomaly at the Rose Zone and strengthened coverage around the Pearl Zone. Hand trenching, which was impeded by poor exposure and difficult ground conditions, failed to expose any significant mineralization.

Further work on the Rod property is strongly recommended, due to the size and tenor of the geochemical anomalies and the ongoing discoveries of metal-enriched rocks in previously unrecognized areas of the property. All known areas of mineralization warrant further work, and soil geochemical coverage should be extended into lightly sampled areas along the Flowers Fault and the footwall side of the Dawson Thrust Fault. Metal-in-soil enrichment along these structures may represent upward leakage from buried stratiform or stratabound mineralization. Future exploration should include detailed prospecting and soil sampling along the entire length of the main faults. It is recommended that prospecting and hand trenching in the Pearl Zone should focus on identifying the source of the high grade silver-bearing float identified in 2014. Geophysical surveys should be considered at some of the zones, because vegetation and solifluction make specific target definition difficult without additional information. Specific interest should be directed to the area between Discovery Ridge and the Hermes Zone, where rock samples returned gold values in excess of 1 g/t.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



J. Morton, B.Sc., GIT

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**APPENDIX I**  
**STATEMENTS OF QUALIFICATIONS**

## **STATEMENT OF QUALIFICATIONS**

I, Jack Morton, 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 Simon Fraser University in 2013 with a B.Sc. in Earth Science.
2. From 2007 to present, I have been actively engaged in mineral exploration in Yukon Territory, British Columbia, and Northwest Territories
3. I am a Geoscientist in Training (G.I.T.) with the Association of Professional Engineers and Geoscientists of British Columbia.
4. I supervised the field program and have interpreted all data resulting from this work.



J. Morton, B.Sc., GIT

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

Statement of Expenditures  
Rod Group 1 (710 Rod & 40 Stag) and Rod Group 2 (88 Rod & 662 Stag) mineral claims  
February 5, 2015

Labour

D. Eaton (geologist) 42 hours April to November at \$120/hr	\$ 5,292.00
H. Burrell (geologist) 14 ¼ days April to November at \$768/day	11,491.20
J. Morton (geologist) 38 7/8 days April to November at \$592/day	24,164.70
J. Thomson-Gladish (field assistant) 19 days April to November at \$440/day	8,778.00
L. Arnold-Wallinger (field assistant) 19 days April to November at \$424/day	8,458.80
J. Mariacher (office) 14 ¾ hours April to November at \$90/hr	1,393.88
S. Newman office) 57 ½ hours April to November at \$62/hr	3,743.25
L. Smith (office) 27 1/2 hours April to November at \$62/hr	1,790.25
L. Corbett (expedite) 31 hours April to November at \$81/hr	2,636.55
D. Arnold-Wallinger (expedite) 15 ½ hours April to November at \$74/hr	1,204.35
L. Smith (expedite) 33 hours April to November at \$62/hr	<u>2,148.30</u>
	71,101.28

Expenses (including management)

Field room and board – 66 mandays @ \$180/manday	13,471.92
Fireweed Helicopters – 8.1 hours Bell 206LR at \$1,250/hr plus fuel	14,656.39
Alkan Air	3,272.72
ALS Chemex	<u>9,232.84</u>
	40,633.87

Total \$111,735.15

286 samples at \$111,735.15 = 390.68/sample

Group 1 – 247 samples for a total of \$96,498.54

Group 2 - 39 samples for a total of \$15, 236.61

**APPENDIX III**  
**ROCK SAMPLE DESCRIPTIONS**

Rock Sample Descriptions		Property: Rod		Year: 2014
Sample Number:	M635912	UTM:	551203 mE	Nad83, Zone 8
Elevation:	m	UTM:	7116516 mN	
Comments: Subcrop grab of weathering black to chocolate-brown to vibrant orange, punky and earthy rock with f.g. prismatic quartz grains set in an earthy matrix and disseminated medium grained galena throughout. Collected near a historical trench through the Calypso vein.				
Sample Number:	M635913	UTM:	551174 mE	Nad83, Zone 8
Elevation:	m	UTM:	7116675 mN	
Comments: Subcrop grab of weathering red to orange to brown, punky, quartz-limestone breccia with vugs containing euhedral quartz crystals.				
Sample Number:	M635917	UTM:	550850 mE	Nad83, Zone 8
Elevation:	m	UTM:	7116695 mN	
Comments: Float grab of weathering orange-brown, limonitic and vuggy, quartz vein breccia with clasts of black carbonaceous shale.				
Sample Number:	M635918	UTM:	550831 mE	Nad83, Zone 8
Elevation:	m	UTM:	7116578 mN	
Comments: Float grab of weathering orange-brown, brecciated shale with encrusting sericite and green malachite. (XRF: 757 ppm Ni)				
Sample Number:	M635919	UTM:	550824 mE	Nad83, Zone 8
Elevation:	m	UTM:	7116580 mN	
Comments: Float grab of weathering orange-brown, fresh black, carbonaceous shale with abundant orange weathering quartz veinlets (<1 cm thick), and sparse encrusting sericite and green malachite. (XRF: 820 ppm Ni)				
Sample Number:	M635921	UTM:	551193 mE	Nad83, Zone 8
Elevation:	m	UTM:	7116678 mN	
Comments: Float grab, (excavated from a 80 cm deep pit), of weathering orange and limonitic, brecciated quartz and black carbonaceous shale.				

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**Rock Sample Descriptions**

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Property: Rod

Year: 2014

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Sample Number: M635922 UTM: 551193 mE Nad83, Zone 8  
Elevation: m UTM: 7116678 mN

Comments: Float composite grab, (excavated from a 80 cm deep pit), of weathering dull red to orange and limonitic, vuggy quartz vein breccia with sparse blebs of very fine grained sulphides (pyrite?)

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Sample Number: M635923 UTM: 551006 mE Nad83, Zone 8  
Elevation: m UTM: 7116869 mN

Comments: Float grab of earthy black and brown, extremely pitted scoria(?), removed from a 30 x 20 x 15 cm boulder. (XRF: 8% Zn, 696 ppm Ni)

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Sample Number: M635924 UTM: 551364 mE Nad83, Zone 8  
Elevation: m UTM: 7116965 mN

Comments: Float grab of weathering brick-red to orange and limonitic, brecciated quartz vein and black shale. From a 40 x 30 x 20 cm boulder.

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Sample Number: M635925 UTM: 551698 mE Nad83, Zone 8  
Elevation: m UTM: 7116945 mN

Comments: Float composite grab, (excavated from a shallow pit), of weathering brown and limonitic, fresh dark grey shale. (XRF: 0.43% Pb, 1% Zn, 9.7% Mn).

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Sample Number: M635926 UTM: 551338 mE Nad83, Zone 8  
Elevation: m UTM: 7116748 mN

Comments: Float grab, (excavated from the top 50 cm of a 1 m deep trench), of weathering chocolate-brown, earthy and punky, massive galena.

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Sample Number: M635929 UTM: 551346 mE Nad83, Zone 8  
Elevation: m UTM: 7116952 mN

Comments: Float grab of weathering brown, fresh dark grey, volcanic scoria.

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Rock Sample Descriptions		Property: Rod		Year: 2014
Sample Number:	M635930	UTM:	551339 mE	Nad83, Zone 8
Elevation:	m	UTM:	7116949 mN	
Comments: Float grab of weathering light grey to brown, punky dark grey shale with quartz veinlets that weather yellow-green (plumbojarosite?) and coarse grained galena. Collected near the top of a scree slope. (XRF: 270 g/t Ag, 24.03% Pb)				
Sample Number:	M635931	UTM:	551321 mE	Nad83, Zone 8
Elevation:	m	UTM:	7116947 mN	
Comments: Float grab of weathering earthy orange-brown and intensely limonitic, vuggy quartz vein. From a 10 x 10 x 10 cm boulder at the top of a scree slope.				
Sample Number:	M635932	UTM:	551338 mE	Nad83, Zone 8
Elevation:	m	UTM:	7116748 mN	
Comments: Float grab, (excavated from a 1 m deep trench), of weathering orange-brown and limonitic, punky quartz-volcanic breccia with black carbonaceous clasts. (XRF: 13.12% Mn)				
Sample Number:	M635933	UTM:	551240 mE	Nad83, Zone 8
Elevation:	m	UTM:	7116708 mN	
Comments: Float composite grab, (excavated from a 70 cm deep pit), of weathering orange-brown, fresh medium-grey shale with sparse very fine grained pyrite throughout.				
Sample Number:	M635934	UTM:	551216 mE	Nad83, Zone 8
Elevation:	m	UTM:	7116695 mN	
Comments: Float grab, (excavated from a 50 cm deep pit), of weathering earthy orange-brown, limonitic and punky quartz vein breccia.				
Sample Number:	M635936	UTM:	550633 mE	Nad83, Zone 8
Elevation:	m	UTM:	7117326 mN	
Comments: Float grab of weathering orange-brown, dark black siliceous and blocky chert.				



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**Rock Sample Descriptions**

Property: Rod

Year: 2014

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Sample Number: M635938 UTM: 550837 mE Nad83, Zone 8  
Elevation: m UTM: 7117026 mN

Comments: Float grab of weathering orange to yellow to brown, fresh dark black carbonaceous shale.

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Sample Number: M635939 UTM: 551359 mE Nad83, Zone 8  
Elevation: m UTM: 7116915 mN

Comments: Float grab of weathering deep red to orange and pitted, quartz breccia with clasts of medium-grey volcanic(?), collected from the backfill of an unused drill pad.

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Sample Number: M635940 UTM: 550938 mE Nad83, Zone 8  
Elevation: m UTM: 7116619 mN

Comments: Composite float grab, (excavated from a shallow pit), of orange-black and punky volcanic(?). (Sourcing from the mentor showing?)

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Sample Number: M635941 UTM: 550944 mE Nad83, Zone 8  
Elevation: m UTM: 7116618 mN

Comments: Composite float grab, (excavated from a 50 cm deep pit), of weathering brown, fresh medium grey-green volcanic with amygdules of orange-weathering feldspar.

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Sample Number: M635942 UTM: 550949 mE Nad83, Zone 8  
Elevation: m UTM: 7116594 mN

Comments: Float grab, (excavated from a 80 cm deep pit), of weathering brown, brecciated quartz vein with clasts of medium grey-green volcanic.

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Sample Number: M635943 UTM: 550994 mE Nad83, Zone 8  
Elevation: m UTM: 7116637 mN

Comments: Float grab, (excavated from a 50 cm deep pit next to the mentor showing), of rock with the same lithology as sample M635940 with coarse grained galena throughout.

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**Rock Sample Descriptions**

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Property: Rod

Year: 2014

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Sample Number: M635944 UTM: 550831 mE Nad83, Zone 8  
Elevation: m UTM: 7116579 mN

Comments: Float grab (excavated from a 50 cm deep pit), of weathering orange and limonitic, calcite-sericite-fucsite listwaenite (?) with large masses of medium to dark green encrusting mineralization (mariposite?). (XRF: 0.3% Ni, 4.10% Cr)

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Sample Number: M635945 UTM: 550823 mE Nad83, Zone 8  
Elevation: m UTM: 7116602 mN

Comments: Float composite grab, (excavated from a 50 cm deep pit), of orange-brown weathering and limonitic dark black shale with sparse encrusting medium to dark green mineralization.

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Sample Number: M635946 UTM: 551160 mE Nad83, Zone 8  
Elevation: m UTM: 7116921 mN

Comments: Float grab, collected from backfill of a 2011 drill pad, of rock with the same lithology as sample M635931.

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Sample Number: M635947 UTM: 551341 mE Nad83, Zone 8  
Elevation: m UTM: 7116962 mN

Comments: Outcrop grab of weathering orange to yellow to green, black carbonaceous shale.

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Sample Number: M635948 UTM: 551341 mE Nad83, Zone 8  
Elevation: m UTM: 7116954 mN

Comments: 5m east-west composite grab of float collected on a steep scree slope, of weathering orange to yellow to green, black carbonaceous shale with quartz veinlets (< 1cm thick) that weather yellow-green (plumbojarosite?). (No rep)

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Sample Number: M635949 UTM: 551333 mE Nad83, Zone 8  
Elevation: m UTM: 7116955 mN

Comments: 5m east-west composite grab of float collected on a steep scree slope, with the same lithology as sample M635948. (No rep)

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Sample Number: M635950 UTM: 551327 mE Nad83, Zone 8  
Elevation: m UTM: 7116955 mN

Comments: 5m east-west composite grab of float collected on a steep scree slope, with the same lithology as sample M635948. (No rep)

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Rock Sample Descriptions		Property: Rod	Year: 2014
Sample Number:	M635951	UTM:	551322 mE Nad83, Zone 8
Elevation:	m	UTM:	7116953 mN
Comments: 5m east-west composite grab of float collected on a steep scree slope, with the same lithology as sample M635948. (No rep)			
Sample Number:	M635952	UTM:	549988 mE Nad83, Zone 8
Elevation:	m	UTM:	7116386 mN
Comments: Subcrop grab of weathering orange-red brecciated quartz with sparse masses of radiating and prismatic green mineralization.			
Sample Number:	M635953	UTM:	549988 mE Nad83, Zone 8
Elevation:	m	UTM:	7116386 mN
Comments: Subcrop grab of rock with the same lithology as sample M635947. (No rep)			
Sample Number:	M635955	UTM:	550232 mE Nad83, Zone 8
Elevation:	m	UTM:	7116493 mN
Comments: Float grab of weathering deep red to orange, black volcanic(?) with quartz veinlets (<1 cm thick) throughout that weather orange. Collected on a steep scree slope. (XRF: 0.12% Pb)			
Sample Number:	M635956	UTM:	550255 mE Nad83, Zone 8
Elevation:	m	UTM:	7116455 mN
Comments: Float grab of rock with the same lithology as sample M635931. Collected on a steep scree slope.			
Sample Number:	M635957	UTM:	550196 mE Nad83, Zone 8
Elevation:	m	UTM:	7116433 mN
Comments: Float grab, (excavated from a shallow pit), of rock with the same lithology as sample M635932.			
Sample Number:	M635958	UTM:	550257 mE Nad83, Zone 8
Elevation:	m	UTM:	7116486 mN
Comments: Float composite grab of rock with the sample lithology as sample M635931, with sparse fine grained pyrite and medium grained sphalerite on fracture surfaces.			

Rock Sample Descriptions		Property: Rod	Year: 2014
Sample Number:	M635959	UTM:	550227 mE Nad83, Zone 8
Elevation:	m	UTM:	7116516 mN
Comments:	Outcrop grab of weathering bright orange, punky and intensely limonitic, brecciated quartz vein with masses of coarse grained sphalerite throughout.		
Sample Number:	M635960	UTM:	550982 mE Nad83, Zone 8
Elevation:	m	UTM:	7116788 mN
Comments:	~20 metre float composite sample, (excavated out of a shallow trench), from 550982, 7116788 to 550965, 7116785 of weathering medium brown, fresh pale grey-green, fine grained volcanic sandstone/shale. (No rep).		
Sample Number:	M635961	UTM:	550999 mE Nad83, Zone 8
Elevation:	m	UTM:	7116874 mN
Comments:	Float composite grab, (excavated out of a 60 cm deep pit), of dark grey-black shale. (No rep).		
Sample Number:	M635962	UTM:	551055 mE Nad83, Zone 8
Elevation:	m	UTM:	7116864 mN
Comments:	Float composite grab, excavated out of a 20 cm deep pit, of weathering orange-brown and limonitic, punky quartz-shale breccia with clasts of dark grey-black shale. (No rep on site).		
Sample Number:	M635963	UTM:	551238 mE Nad83, Zone 8
Elevation:	m	UTM:	7117005 mN
Comments:	Float composite grab, (excavated from a 1 metre deep trench), of rock with the same lithology as sample M635961. (No rep).		
Sample Number:	M635964	UTM:	550825 mE Nad83, Zone 8
Elevation:	m	UTM:	7116701 mN
Comments:	10 metre wide float composite sample, collected about 550825, 7116701 on a steep scree slope, of rock with the same lithology as sample M635948. (No rep).		

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**Rock Sample Descriptions**

Property: Rod

Year: 2014

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Sample Number: M635965 UTM: 550826 mE Nad83, Zone 8  
Elevation: m UTM: 7116692 mN

Comments: 10 metre wide float composite sample, collected about 550826, 7116692 on a steep scree slope, of rock with the same lithology as sample M635948. (No rep).

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Sample Number: M635966 UTM: 550826 mE Nad83, Zone 8  
Elevation: m UTM: 7116684 mN

Comments: 10 metre wide float composite sample, collected about 550826, 7116684 on a steep scree slope, of rock with the same lithology as sample M635948. (No rep).

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Sample Number: M635967 UTM: 551344 mE Nad83, Zone 8  
Elevation: m UTM: 7116738 mN

Comments: Trench subcrop grab of weathering yellow-green and punky, massive galena with black earthy oxide mineralization (goethite?) and encrusting blue-green malachite and azurite.

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Sample Number: M635968 UTM: 551344 mE Nad83, Zone 8  
Elevation: m UTM: 7116738 mN

Comments: Trench subcrop grab of galena-vein wall rock consisting of weathering yellow to brown, punky and limonitic, dark grey shale.

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Sample Number: M635969 UTM: 551344 mE Nad83, Zone 8  
Elevation: m UTM: 7116743 mN

Comments: Trench subcrop grab of weathering maroon-red, dark grey-black volcanic, with a metallic sheen.

---

Sample Number: M635970 UTM: 551344 mE Nad83, Zone 8  
Elevation: m UTM: 7116752 mN

Comments: Trench subcrop grab of rock with the same lithology as sample M635969. (No rep).

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Sample Number: M635971 UTM: 551341 mE Nad83, Zone 8  
Elevation: m UTM: 7116748 mN

Comments: Trench subcrop grab of rock with the same lithology as sample M635969. (No rep).

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**Rock Sample Descriptions**

Property: Rod

Year: 2014

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Sample Number: M635972 UTM: 550830 mE Nad83, Zone 8  
Elevation: m UTM: 7116573 mN

Comments: Trench float grab of weathering orange-brown and limonitic, well foliated dark green shale(?)

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Sample Number: M635973 UTM: 550830 mE Nad83, Zone 8  
Elevation: m UTM: 7116573 mN

Comments: Trench subcrop composite sample of weathering bright orange, dark maroon-black volcanic with a metallic sheen and sparse encrusting green malachite(?)

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Sample Number: M635974 UTM: 550832 mE Nad83, Zone 8  
Elevation: m UTM: 7116577 mN

Comments: Trench subcrop composite sample of rock with the same lithology as sample M635973.

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Sample Number: M635975 UTM: 550832 mE Nad83, Zone 8  
Elevation: m UTM: 7116576 mN

Comments: Trench subcrop composite sample of weathering orange, limonitic and rusty on fracture surfaces, medium grey-green and powdery shale.

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Sample Number: M635976 UTM: 550830 mE Nad83, Zone 8  
Elevation: m UTM: 7116575 mN

Comments: Trench bedrock sample of rock with the same lithology as sample M635944.

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Sample Number: M635977 UTM: 550829 mE Nad83, Zone 8  
Elevation: m UTM: 7116580 mN

Comments: Trench subcrop composite grab of rock with the same lithology as sample M635975. (No rep).

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Sample Number: M635978 UTM: 550227 mE Nad83, Zone 8  
Elevation: m UTM: 7116516 mN

Comments: Outcrop grab of rock with the same lithology as sample M635959. (Higher grade?)

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**Rock Sample Descriptions**

Property: Rod

Year: 2014

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Sample Number: M635979 UTM: 551085 mE Nad83, Zone 8  
Elevation: m UTM: 7116829 mN

Comments: Trench float grab of rock with the same lithology as sample M635944.

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Sample Number: M635980 UTM: 551086 mE Nad83, Zone 8  
Elevation: m UTM: 7116830 mN

Comments: Trench bedrock grab of rock with the same lithology as sample M635944. (No rep).

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Sample Number: M635981 UTM: 551086 mE Nad83, Zone 8  
Elevation: m UTM: 7116831 mN

Comments: Trench float grab of rock with the same lithology as sample M635944. (No rep).

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Sample Number: M635982 UTM: 551088 mE Nad83, Zone 8  
Elevation: m UTM: 7116834 mN

Comments: Trench float grab of rock with the same lithology as sample M635944. (No rep).

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Sample Number: M635983 UTM: 551090 mE Nad83, Zone 8  
Elevation: m UTM: 7116836 mN

Comments: Trench float composite sample of rock with the same lithology as sample M635944. (No rep).

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Sample Number: M635985 UTM: 550147 mE Nad83, Zone 8  
Elevation: m UTM: 7116553 mN

Comments: Trench subcrop composite sample of rock with the same lithology as sample M635947.

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Sample Number: M635986 UTM: 550147 mE Nad83, Zone 8  
Elevation: m UTM: 7116551 mN

Comments: Trench subcrop grab of weathering orange-brown, punky and limonitic quartz vein breccia with sparse medium grained sphalerite throughout.

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**Rock Sample Descriptions**

Property: Rod

Year: 2014

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Sample Number: M635987 UTM: 550150 mE Nad83, Zone 8  
Elevation: m UTM: 7116558 mN

Comments: Trench subcrop composite sample of rock with the same lithology as sample M635947. (No rep).

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Sample Number: M635988 UTM: 550151 mE Nad83, Zone 8  
Elevation: m UTM: 7116557 mN

Comments: Trench subcrop composite sample of rock with the same lithology as sample M635947. (No rep).

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Sample Number: M635989 UTM: 550151 mE Nad83, Zone 8  
Elevation: m UTM: 7116557 mN

Comments: Trench subcrop composite sample of rock with the same lithology as sample M635947. (No rep).

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Sample Number: M635990 UTM: 550152 mE Nad83, Zone 8  
Elevation: m UTM: 7116558 mN

Comments: Trench subcrop composite sample of rock with the same lithology as sample M635947. (No rep).

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Sample Number: M635992 UTM: 547746 mE Nad83, Zone 8  
Elevation: 1489 m UTM: 7115845 mN

Comments: Specimen sample - 60 cm by 20 cm of moderately fractured and brecciated white quartz vein with 30% orange limonite. Rare pink-coral limonite. Sample is on ridge immediately east of the Dawson Thrust. Possible quartz vein sweat in shale.

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Sample Number: M635992 UTM: 547746 mE Nad83, Zone 8  
Elevation: 1489 m UTM: 7115845 mN

Comments: Specimen sample - 60 cm by 20 cm of moderately fractured and brecciated white quartz vein with 30% orange limonite. Rare pink-coral limonite. Sample is on ridge immediately east of the Dawson Thrust. Possible quartz vein sweat in shale.

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Sample Number: M635993 UTM: 547845 mE Nad83, Zone 8  
Elevation: 1462 m UTM: 7116116 mN

Comments: Float grab, excavated from a shallow pit, of weathering orange-brown, fresh dark grey-black carbonaceous shale.

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**Rock Sample Descriptions**

Property: Rod

Year: 2014

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Sample Number: M635993 UTM: 547845 mE Nad83, Zone 8  
Elevation: 1462 m UTM: 7116116 mN

Comments: Float grab, excavated from a shallow pit), of weathering orange-brown, fresh dark grey-black carbonaceous shale.

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Sample Number: M635994 UTM: 547828 mE Nad83, Zone 8  
Elevation: 1465 m UTM: 7116072 mN

Comments: Specimen sample 10 cm3. Earn group shale with lots of fractures. Zones of anglesite and limonite pits (1 cm2).

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Sample Number: M635994 UTM: 547828 mE Nad83, Zone 8  
Elevation: 1465 m UTM: 7116072 mN

Comments: Specimen sample 10 cm3. Earn group shale with lots of fractures. Zones of anglesite and limonite pits (1 cm2).

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Sample Number: M635995 UTM: 547841 mE Nad83, Zone 8  
Elevation: 1475 m UTM: 7116060 mN

Comments: Outcrop grab of weathering orange to brown to deep red, fresh dark black shale.

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Sample Number: M635995 UTM: 547841 mE Nad83, Zone 8  
Elevation: 1475 m UTM: 7116060 mN

Comments: Outcrop grab of weathering orange to brown to deep red, fresh dark black shale.

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Sample Number: M635996 UTM: 547790 mE Nad83, Zone 8  
Elevation: m UTM: 7115940 mN

Comments: Float composite grab of punky and limonitic, orange weathering quartz with encrusting black mineralization (manganese?)

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Sample Number: M635996 UTM: 547790 mE Nad83, Zone 8  
Elevation: m UTM: 7115940 mN

Comments: Float composite grab of punky and limonitic, orange weathering quartz with encrusting black mineralization (manganese?)

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**Rock Sample Descriptions**

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Property: Rod

Year: 2014

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Sample Number: M635997 UTM: 547759 mE Nad83, Zone 8  
Elevation: 1472 m UTM: 7115882 mN

Comments: Float composite grab, (excavated out of a shallow pit), of rock with the same lithology as sample M635996.

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Sample Number: M635997 UTM: 547759 mE Nad83, Zone 8  
Elevation: 1472 m UTM: 7115882 mN

Comments: Float composite grab, (excavated out of a shallow pit), of rock with the same lithology as sample M635996.

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Sample Number: M635998 UTM: 547742 mE Nad83, Zone 8  
Elevation: 1462 m UTM: 7115860 mN

Comments: Composite grab sample from scree slope 10 m down from ridge crest. Eight pieces over two metres. Quartz vein with abundant limonite and yellow-canary lead oxide(?). Abundant in area.

---

Sample Number: M635998 UTM: 547742 mE Nad83, Zone 8  
Elevation: 1462 m UTM: 7115860 mN

Comments: Composite grab sample from scree slope 10 m down from ridge crest. Eight pieces over two metres. Quartz vein with abundant limonite and yellow-canary lead oxide(?). Abundant in area.

---

Sample Number: M635999 UTM: 546336 mE Nad83, Zone 8  
Elevation: 1396 m UTM: 7115616 mN

Comments: Outcrop grab of orange-red weathering quartz-carbonate-fucsite(?) bearing listwaenite with encrusting forest green mineralization and sparse disseminated very fine grained dark black mineralization throughout.

---

Sample Number: M635999 UTM: 546336 mE Nad83, Zone 8  
Elevation: 1396 m UTM: 7115616 mN

Comments: Outcrop grab of orange-red weathering quartz-carbonate-fucsite(?) bearing listwaenite with encrusting forest green mineralization and sparse disseminated very fine grained dark black mineralization throughout.

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**Rock Sample Descriptions**

Property: Rod

Year: 2014

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Sample Number: M636000 UTM: 546346 mE Nad83, Zone 8  
Elevation: 1390 m UTM: 7115609 mN

Comments: Outcrop sample across 20 cm. Outcrop is 40 m by 4 m tall within linear feature. Outcrop is listwanite- orange, brown, green with disseminated blebs of pentlandite (?). Black-silvery sulphide. Heavily treed area, but this zone really stands out from across the valley (impossible to see from ridge). Veins with bladed barite also present (<10 cm).

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Sample Number: M636000 UTM: 546346 mE Nad83, Zone 8  
Elevation: 1390 m UTM: 7115609 mN

Comments: Outcrop sample across 20 cm. Outcrop is 40 m by 4 m tall within linear feature. Outcrop is listwanite- orange, brown, green with disseminated blebs of pentlandite (?). Black-silvery sulphide. Heavily treed area, but this zone really stands out from across the valley (impossible to see from ridge). Veins with bladed barite also present (<10 cm).

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Sample Number: M898751 UTM: 546521 mE Nad83, Zone 8  
Elevation: 1424 m UTM: 7115388 mN

Comments: Specimen sample - 10 cm by 20 cm by 10 cm. Quartz vein hosted in green Narchilla shale. Minor breccia in vein with 1 cm cubic pyrite crystals - some actively altering to limonite. Pits/casts where pyrite used to be.

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Sample Number: M898751 UTM: 546521 mE Nad83, Zone 8  
Elevation: 1424 m UTM: 7115388 mN

Comments: Specimen sample - 10 cm by 20 cm by 10 cm. Quartz vein hosted in green Narchilla shale. Minor breccia in vein with 1 cm cubic pyrite crystals - some actively altering to limonite. Pits/casts where pyrite used to be.

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Sample Number: M898752 UTM: 547314 mE Nad83, Zone 8  
Elevation: 1295 m UTM: 7116178 mN

Comments: Subcrop grab of weathering orange-brown, fresh medium grey, well healed and silicified shale breccia with small limonitic pits throughout.

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**Rock Sample Descriptions**

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Property: Rod

Year: 2014

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Sample Number: M898752 UTM: 547314 mE Nad83, Zone 8  
Elevation: 1295 m UTM: 7116178 mN

Comments: Subcrop grab of weathering orange-brown, fresh medium grey, well healed and silicified shale breccia with small limonitic pits throughout.

---

Sample Number: M898753 UTM: 547169 mE Nad83, Zone 8  
Elevation: 1398 m UTM: 7115923 mN

Comments: Specimen from talus 20 cm by 10 cm by 15 cm yellow-orange oxide with limonite pits and bands of goethite. Main talus in area is shale.

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Sample Number: M898753 UTM: 547169 mE Nad83, Zone 8  
Elevation: 1398 m UTM: 7115923 mN

Comments: Specimen from talus 20 cm by 10 cm by 15 cm yellow-orange oxide with limonite pits and bands of goethite. Main talus in area is shale.

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Sample Number: M898754 UTM: 547167 mE Nad83, Zone 8  
Elevation: 1390 m UTM: 7115907 mN

Comments: Specimen from talus of quartz vein nearly cemented with limonite. Bands of goethite within breccia. Talus is 20% of this material - small quartz veins in outcrop above.

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Sample Number: M898754 UTM: 547167 mE Nad83, Zone 8  
Elevation: 1390 m UTM: 7115907 mN

Comments: Specimen from talus of quartz vein nearly cemented with limonite. Bands of goethite within breccia. Talus is 20% of this material - small quartz veins in outcrop above.

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Sample Number: M898755 UTM: 546813 mE Nad83, Zone 8  
Elevation: 1261 m UTM: 7116724 mN

Comments: Outcrop grab of weathering brown to red to yellow, dark black carbonaceous shale with quartz veinlets, (~1cm in thickness), which weather orange.

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Rock Sample Descriptions		Property: Rod		Year: 2014
Sample Number:	M898755	UTM:	546813 mE	Nad83, Zone 8
Elevation:	1261 m	UTM:	7116724 mN	
Comments:	Outcrop grab of weathering brown to red to yellow, dark black carbonaceous shale with quartz veinlets, (~1cm in thickness), which weather orange.			
Sample Number:	M898756	UTM:	547858 mE	Nad83, Zone 8
Elevation:	1488 m	UTM:	7116037 mN	
Comments:	Outcrop grab of a heavy, weathering medium grey, fresh black barite-bearing dolostone(?) with narrow mm-scale quartz stringers throughout and sparse encrusting green malachite. Collected from a ~2x2 metre pod/lens.			
Sample Number:	M898756	UTM:	547858 mE	Nad83, Zone 8
Elevation:	1488 m	UTM:	7116037 mN	
Comments:	Outcrop grab of a heavy, weathering medium grey, fresh black barite-bearing dolostone(?) with narrow mm-scale quartz stringers throughout and sparse encrusting green malachite. Collected from a ~2x2 metre pod/lens.			
Sample Number:	M898757	UTM:	547897 mE	Nad83, Zone 8
Elevation:	1476 m	UTM:	7116051 mN	
Comments:	Speimen sample from talus. Barite vein with honey sphalerite (pink-yellow) forming 2 cm clots. Hosted within medium to dark grey, sooty dolomite to witherite.			
Sample Number:	M898758	UTM:	547882 mE	Nad83, Zone 8
Elevation:	1467 m	UTM:	7116044 mN	
Comments:	Specimen sample from talus. Size - 10 cm by 10 cm by 20 cm. Black, sootly and slightly shiny witherite vein(?) with calcite bands and veinlets.			
Sample Number:	M898759	UTM:	547881 mE	Nad83, Zone 8
Elevation:	1483 m	UTM:	7116014 mN	
Comments:	Specimen sample from talus - 5 cm by 10 cm by 30 cm. Approximately 15 m from ridge. Barite vein with 5% honey sphalerite.			

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**Rock Sample Descriptions**

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Property: Rod

Year: 2014

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Sample Number: M898760 UTM: 547898 mE Nad83, Zone 8  
Elevation: 1474 m UTM: 7116023 mN

Comments: Outcrop grab of weathering tan-brown barite vein breccia, which is clast supported with clasts of medium to dark grey and pitted shale, and with encrusting pale white anglesite within the shale clasts and sparse honey sphalerite (<3%) and encrusting malachite on fracture surfaces.

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Sample Number: M898760 UTM: 547898 mE Nad83, Zone 8  
Elevation: 1474 m UTM: 7116023 mN

Comments: Outcrop grab of weathering tan-brown barite vein breccia, which is clast supported with clasts of medium to dark grey and pitted shale, and with encrusting pale white anglesite within the shale clasts and sparse honey sphalerite (<3%) and encrusting malachite on fracture surfaces.

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Sample Number: M898761 UTM: 547899 mE Nad83, Zone 8  
Elevation: 1473 m UTM: 7116024 mN

Comments: Outcrop grab of weathering orange-brown, slightly limonitic, dark grey-black shale with narrow (<1mm) quartz stringers, and is heavily pitted and with encrusting pale white anglesite and sparse malachite and azurite.

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Sample Number: M898761 UTM: 547899 mE Nad83, Zone 8  
Elevation: 1473 m UTM: 7116024 mN

Comments: Outcrop grab of weathering orange-brown, slightly limonitic, dark grey-black shale with narrow (<1mm) quartz stringers, and is heavily pitted and with encrusting pale white anglesite and sparse malachite and azurite.

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Sample Number: M898762 UTM: 547846 mE Nad83, Zone 8  
Elevation: 1501 m UTM: 7116006 mN

Comments: Composite grab sample of 20 pieces over 4 m. Black, punky-sooty shale with abundant limonite pits (yellow-orange-white). Hand trench will be excavated in linear on ridge above.

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Sample Number: M898763 UTM: 547874 mE Nad83, Zone 8  
Elevation: 1494 m UTM: 7116028 mN

Comments: Specimen sample from float. Medium grey witherite(?) with malachite stain and micro veinlets. Heavy for 20 cm3.

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**Rock Sample Descriptions**

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Property: Rod

Year: 2014

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Sample Number: M898764 UTM: 547858 mE Nad83, Zone 8  
Elevation: 1504 m UTM: 7116014 mN

Comments: Barite vein with blebby, disseminated sphalerite (honey). Sample is of 12 pieces within pit. Top of ridge is 2.5 m above. Theory - barite occurs as thin beds or lenses within shale and is recessive (<1 m wide?). Beds dip steeply into the hill.

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Sample Number: M898765 UTM: 547859 mE Nad83, Zone 8  
Elevation: 1504 m UTM: 7116013 mN

Comments: Same hand pit as M898764. Three pieces 10cm<sup>3</sup> sampled of dark, black, sooty shale with hairline fractures and minor pits.

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Sample Number: M898766 UTM: 547852 mE Nad83, Zone 8  
Elevation: 1503 m UTM: 7116018 mN

Comments: Outcrop composite grab of weathering bright orange and limonitic, punky quartz vein breccia with clasts of black carbonaceous shale.

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Sample Number: M898766 UTM: 547852 mE Nad83, Zone 8  
Elevation: 1503 m UTM: 7116018 mN

Comments: Outcrop composite grab of weathering bright orange and limonitic, punky quartz vein breccia with clasts of black carbonaceous shale.

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Sample Number: M898767 UTM: 547851 mE Nad83, Zone 8  
Elevation: 1499 m UTM: 7115962 mN

Comments: Composite grab from talus - 4 pieces over 2 m. Vuggy, well-formed quartz crystals with seams of shale. Rusty limonite pits with possible scorodite. Most talus is grey-weathered shale.

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Sample Number: M898768 UTM: 547846 mE Nad83, Zone 8  
Elevation: 1500 m UTM: 7115946 mN

Comments: Specimen sample of quartz-calcite vein within grassy ridge covered in schist. Yellow-orange limonite, trace galena and pyramid-diamond shaped casts from tetrahedrite. Malachite staining - weak. Abundant over 3 m.

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Rock Sample Descriptions		Property: Rod	Year: 2014
Sample Number:	M898769	UTM:	547878 mE Nad83, Zone 8
Elevation:	1475 m	UTM:	7115896 mN
Comments: Float sample within dark grey to black shale talus. White quartz vein with limonitic pockets with rims of malachite after tetrahedrite. Weak clay alteration.			
Sample Number:	M898770	UTM:	547877 mE Nad83, Zone 8
Elevation:	1474 m	UTM:	7115896 mN
Comments: Float composite sample of weathering orange-brown and powdery, punky quartz breccia with clasts of medium grey shale and euhedral grains of quartz. Collected on a steep scree slope.			
Sample Number:	M898770	UTM:	547877 mE Nad83, Zone 8
Elevation:	1474 m	UTM:	7115896 mN
Comments: Float composite sample of weathering orange-brown and powdery, punky quartz breccia with clasts of medium grey shale and euhedral grains of quartz. Collected on a steep scree slope.			
Sample Number:	M898771	UTM:	547890 mE Nad83, Zone 8
Elevation:	1463 m	UTM:	7115890 mN
Comments: Composite grab sample from talus. Five pieces over 3 m within shale. Limonite-goethite rich vein (?) some areas pitted, but mostly punky limonite.			
Sample Number:	M898772	UTM:	547911 mE Nad83, Zone 8
Elevation:	1456 m	UTM:	7115890 mN
Comments: Outcrop grab of black, punky and earthy rock with pale white and encrusting anglesite(?). Excavated out of a shallow pit, and collected beside a limonitic quartz vein.			
Sample Number:	M898772	UTM:	547911 mE Nad83, Zone 8
Elevation:	1456 m	UTM:	7115890 mN
Comments: Outcrop grab of black, punky and earthy rock with pale white and encrusting anglesite(?). Excavated out of a shallow pit, and collected beside a limonitic quartz vein.			



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**Rock Sample Descriptions**

Property: Rod

Year: 2014

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Sample Number: M898773 UTM: 547286 mE Nad83, Zone 8  
Elevation: m UTM: 7116198 mN

Comments: Outcrop grab of a powdery and orange weathering quartz vein.

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Sample Number: M898773 UTM: 547286 mE Nad83, Zone 8  
Elevation: m UTM: 7116198 mN

Comments: Outcrop grab of a powdery and orange weathering quartz vein.

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Sample Number: M898774 UTM: 546699 mE Nad83, Zone 8  
Elevation: 1210 m UTM: 7116832 mN

Comments: Specimen sample from scree slope. Sample is 10 cm by 15 cm by 7 cm, rusty weathering barite (?) vein, slightly banded, very heavy with black sooty oxide. Trace malachite and cubic/square pyrite casts with anglesite after galena.

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Sample Number: M898774 UTM: 546699 mE Nad83, Zone 8  
Elevation: 1210 m UTM: 7116832 mN

Comments: Specimen sample from scree slope. Sample is 10 cm by 15 cm by 7 cm, rusty weathering barite (?) vein, slightly banded, very heavy with black sooty oxide. Trace malachite and cubic/square pyrite casts with anglesite after galena.

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Sample Number: M898775 UTM: 546690 mE Nad83, Zone 8  
Elevation: 1213 m UTM: 7116834 mN

Comments: Composite grab sample across scree slope. Ten pieces over 4 m. Rusty, orange-brown weathering surface, limonite to goethite banding inside and white clay alteration. Weak malachite on surfaces.

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Sample Number: M898775 UTM: 546690 mE Nad83, Zone 8  
Elevation: 1213 m UTM: 7116834 mN

Comments: Composite grab sample across scree slope. Ten pieces over 4 m. Rusty, orange-brown weathering surface, limonite to goethite banding inside and white clay alteration. Weak malachite on surfaces.

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Rock Sample Descriptions		Property: Rod	Year: 2014
Sample Number:	M898776	UTM:	546690 mE Nad83, Zone 8
Elevation:	1209 m	UTM:	7116833 mN
Comments:	Chip sample across 2.5 m. Dug to felsenmeener/broken outcrop above larger shale outcrop. Grey and white marbled barite-quartz vein riddled with veinlets. Possible tetrahedrite, rare black-powdery oxide after lead. Slightly banded and recrystallized.		
Sample Number:	M898776	UTM:	546690 mE Nad83, Zone 8
Elevation:	1209 m	UTM:	7116833 mN
Comments:	Chip sample across 2.5 m. Dug to felsenmeener/broken outcrop above larger shale outcrop. Grey and white marbled barite-quartz vein riddled with veinlets. Possible tetrahedrite, rare black-powdery oxide after lead. Slightly banded and recrystallized.		
Sample Number:	M898777	UTM:	546699 mE Nad83, Zone 8
Elevation:	1194 m	UTM:	7116818 mN
Comments:	Float grab, (excavated from a 40 cm deep pit), of earthy and vuggy, soft quartz-carbonate altered breccia, with maroon-black oxide on outside surfaces, fine grained and radiating black manganese(?) oxide within white quartz-carbonate matrix, earthy black oxide in vugs, sparse encrusting malachite and a powdery pale-yellow oxide on fracture surfaces (plumbo-jarosite?)		
Sample Number:	M898777	UTM:	546699 mE Nad83, Zone 8
Elevation:	1194 m	UTM:	7116818 mN
Comments:	Float grab, (excavated from a 40 cm deep pit), of earthy and vuggy, soft quartz-carbonate altered breccia, with maroon-black oxide on outside surfaces, fine grained and radiating black manganese(?) oxide within white quartz-carbonate matrix, earthy black oxide in vugs, sparse encrusting malachite and a powdery pale-yellow oxide on fracture surfaces (plumbo-jarosite?)		
Sample Number:	M898778	UTM:	546697 mE Nad83, Zone 8
Elevation:	1188 m	UTM:	7116816 mN
Comments:	Float grab, (excavated from a 40 cm deep pit), of weathering brown and limonitic, white quartz-carbonate vein(?) with fine grained and radiating black manganese(?) oxide and powdery pale yellow oxide on fracture surfaces (plumbo-jarosite?)		

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**Rock Sample Descriptions**

Property: Rod

Year: 2014

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Sample Number: M898778 UTM: 546697 mE Nad83, Zone 8  
Elevation: 1188 m UTM: 7116816 mN

Comments: Float grab, (excavated from a 40 cm deep pit), of weathering brown and limonitic, white quartz-carbonate vein(?) with fine grained and radiating black manganese(?) oxide and powdery pale yellow oxide on fracture surfaces (plumbo-jarosite?)

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Sample Number: M898779 UTM: 546688 mE Nad83, Zone 8  
Elevation: 1206 m UTM: 7116842 mN

Comments: Specimen sample of witherite (massive, medium grey, heavy) with black sooty lead oxide. Rare limonite.

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Sample Number: M898779 UTM: 546688 mE Nad83, Zone 8  
Elevation: 1206 m UTM: 7116842 mN

Comments: Specimen sample of witherite (massive, medium grey, heavy) with black sooty lead oxide. Rare limonite.

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Sample Number: M898780 UTM: 546626 mE Nad83, Zone 8  
Elevation: 1188 m UTM: 7116878 mN

Comments: Outcrop sample across 40 cm. Black shale with hairline (2 mm) cross-cutting quartz veins and fracture fillings. Limonite-anglesite-scorodite on fractures and within veinlets.

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Sample Number: M898780 UTM: 546626 mE Nad83, Zone 8  
Elevation: 1188 m UTM: 7116878 mN

Comments: Outcrop sample across 40 cm. Black shale with hairline (2 mm) cross-cutting quartz veins and fracture fillings. Limonite-anglesite-scorodite on fractures and within veinlets.

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Sample Number: M898781 UTM: 546649 mE Nad83, Zone 8  
Elevation: 1214 m UTM: 7116885 mN

Comments: Outcrop grab of weathering brown, vuggy and limonitic cm-scale quartz veinlets through a black carbonaceous shale.

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Sample Number: M898781 UTM: 546649 mE Nad83, Zone 8  
Elevation: 1214 m UTM: 7116885 mN

Comments: Outcrop grab of weathering brown, vuggy and limonitic cm-scale quartz veinlets through a black carbonaceous shale.

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**Rock Sample Descriptions**

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Property: Rod

Year: 2014

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Sample Number: M898782 UTM: 546564 mE Nad83, Zone 8  
Elevation: 1161 m UTM: 7116880 mN

Comments: Hand pit below shale outcrop with trees growing on top. Pit is 50 cm deep. Composite grab sample of altered quartz vein (vuggy, limonite, manganese stain) within very black, sooty shale (looks vanadium rich). Vein fragments 10 cm<sup>3</sup>. Canary yellow oxide after lead.

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Sample Number: M898782 UTM: 546564 mE Nad83, Zone 8  
Elevation: 1161 m UTM: 7116880 mN

Comments: Hand pit below shale outcrop with trees growing on top. Pit is 50 cm deep. Composite grab sample of altered quartz vein (vuggy, limonite, manganese stain) within very black, sooty shale (looks vanadium rich). Vein fragments 10 cm<sup>3</sup>. Canary yellow oxide after lead.

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Sample Number: M898783 UTM: 546566 mE Nad83, Zone 8  
Elevation: 1155 m UTM: 7116885 mN

Comments: Composite grab in small talus field. Well-formed quartz crystals within 5 cm wide quartz vein in shale. Abundant orange limonite within large cavities. Rare yellow plumbo-jarosite(?)

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Sample Number: M898783 UTM: 546566 mE Nad83, Zone 8  
Elevation: 1155 m UTM: 7116885 mN

Comments: Composite grab in small talus field. Well-formed quartz crystals within 5 cm wide quartz vein in shale. Abundant orange limonite within large cavities. Rare yellow plumbo-jarosite(?)

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Sample Number: M898784 UTM: 546569 mE Nad83, Zone 8  
Elevation: 1161 m UTM: 7116882 mN

Comments: Outcrop composite grab of weathering orange and vuggy, quartz-shale breccia with clasts of dark grey carbonaceous shale and powdery canary yellow plumbo-jarosite(?) on fracture surfaces.

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**Rock Sample Descriptions**

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Property: Rod

Year: 2014

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Sample Number: M898784 UTM: 546569 mE Nad83, Zone 8  
Elevation: 1161 m UTM: 7116882 mN

Comments: Outcrop composite grab of weathering orange and vuggy, quartz-shale breccia with clasts of dark grey carbonaceous shale and powdery canary yellow plumbo-jarosite(?) on fracture surfaces.

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Sample Number: M898785 UTM: 545612 mE Nad83, Zone 8  
Elevation: 1205 m UTM: 7116800 mN

Comments: Hand pit dug at anomalous lead-in-soil geochemical site. Blocky, slightly more resistant scree in moss covered slope. Rusty fractures and blue-white surface precipitate.

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Sample Number: M898785 UTM: 545612 mE Nad83, Zone 8  
Elevation: 1205 m UTM: 7116800 mN

Comments: Hand pit dug at anomalous lead-in-soil geochemical site. Blocky, slightly more resistant scree in moss covered slope. Rusty fractures and blue-white surface precipitate.

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Sample Number: M898786 UTM: 545619 mE Nad83, Zone 8  
Elevation: 1215 m UTM: 7116775 mN

Comments: Float grab, (excavated out of a shallow pit), of a recessive orange-brown weathering, dark grey-black volcanic(?) with very fine grained pits throughout and a sugary texture. (No rep on site).

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Sample Number: M898786 UTM: 545619 mE Nad83, Zone 8  
Elevation: 1215 m UTM: 7116775 mN

Comments: Float grab, (excavated out of a shallow pit), of a recessive orange-brown weathering, dark grey-black volcanic(?) with very fine grained pits throughout and a sugary texture. (No rep on site).

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Sample Number: M898787 UTM: 545621 mE Nad83, Zone 8  
Elevation: 1220 m UTM: 7116762 mN

Comments: Grab sample six pieces over two metres. Dark brown to black, sugary textured, extremely porous sample with rare white precipitate. Absorbed acid.

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**Rock Sample Descriptions**

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Property: Rod

Year: 2014

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Sample Number: M898787 UTM: 545621 mE Nad83, Zone 8  
Elevation: 1220 m UTM: 7116762 mN

Comments: Grab sample six pieces over two metres. Dark brown to black, sugary textured, extremely porous sample with rare white precipitate. Absorbed acid.

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Sample Number: M898788 UTM: 545611 mE Nad83, Zone 8  
Elevation: 1211 m UTM: 7116768 mN

Comments: Specimen sample 30 cm3. Tarnished quartz vein within black, dull shale. Vein is white to dark grey and orange with casts from galena transitioning to anglesite. Visible blebs of galena and other steel-coloured 'encrusted' sulphide with apple green to bright yellow secondary mineralization.

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Sample Number: M898788 UTM: 545611 mE Nad83, Zone 8  
Elevation: 1211 m UTM: 7116768 mN

Comments: Specimen sample 30 cm3. Tarnished quartz vein within black, dull shale. Vein is white to dark grey and orange with casts from galena transitioning to anglesite. Visible blebs of galena and other steel-coloured 'encrusted' sulphide with apple green to bright yellow secondary mineralization.

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Sample Number: M898789 UTM: 545608 mE Nad83, Zone 8  
Elevation: 1217 m UTM: 7116772 mN

Comments: Float composite grab of a weathering grey, dusty and vuggy, dark grey-black volcanic(?) with disseminated very fine grained limonite throughout and orange to deep red scaly mineralization on fracture surfaces.

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Sample Number: M898789 UTM: 545608 mE Nad83, Zone 8  
Elevation: 1217 m UTM: 7116772 mN

Comments: Float composite grab of a weathering grey, dusty and vuggy, dark grey-black volcanic(?) with disseminated very fine grained limonite throughout and orange to deep red scaly mineralization on fracture surfaces.

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Rock Sample Descriptions		Property: Rod	Year: 2014
Sample Number:	M898790	UTM:	545543 mE Nad83, Zone 8
Elevation:	1204 m	UTM:	7116907 mN
Comments: Outcrop sample - 50 cm chip sample across entire bed of buff weathering, dull brown limestone to dolostone, but limonitic, sugary when broken and riddled with calcite veins. Orientation - 085/64S.			
Sample Number:	M898790	UTM:	545543 mE Nad83, Zone 8
Elevation:	1204 m	UTM:	7116907 mN
Comments: Outcrop sample - 50 cm chip sample across entire bed of buff weathering, dull brown limestone to dolostone, but limonitic, sugary when broken and riddled with calcite veins. Orientation - 085/64S.			
Sample Number:	M898791	UTM:	545542 mE Nad83, Zone 8
Elevation:	m	UTM:	7116905 mN
Comments: Outcrop grab of black, earthy and punky quartz-carbonate breccia with black and orange earthy masses, collected from a ~50 cm thick horizon. The rock does not effervesce.			
Sample Number:	M898791	UTM:	545542 mE Nad83, Zone 8
Elevation:	m	UTM:	7116905 mN
Comments: Outcrop grab of black, earthy and punky quartz-carbonate breccia with black and orange earthy masses, collected from a ~50 cm thick horizon. The rock does not effervesce.			
Sample Number:	M898792	UTM:	546691 mE Nad83, Zone 8
Elevation:	1213 m	UTM:	7116831 mN
Comments: Trench chip sample 0.9 m of orange to black, sooty and limonitic soil with weak clay alteration			
Sample Number:	M898792	UTM:	546691 mE Nad83, Zone 8
Elevation:	1213 m	UTM:	7116831 mN
Comments: Trench chip sample 0.9 m of orange to black, sooty and limonitic soil with weak clay alteration			

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**Rock Sample Descriptions**

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Property: Rod

Year: 2014

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Sample Number: M898793 UTM: 546692 mE Nad83, Zone 8  
Elevation: 1211 m UTM: 7116836 mN

Comments: Trench chip sample 1.9 m of weathering orange and limonitic, dark grey-black heavy barite(?) carbonate breccia with soft white and powdery masses, sparse pale yellow oxide (?) and sparse encrusting malachite.

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Sample Number: M898793 UTM: 546692 mE Nad83, Zone 8  
Elevation: 1211 m UTM: 7116836 mN

Comments: Trench chip sample 1.9 m of weathering orange and limonitic, dark grey-black heavy barite(?) carbonate breccia with soft white and powdery masses, sparse pale yellow oxide (?) and sparse encrusting malachite.

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Sample Number: M898794 UTM: 546692 mE Nad83, Zone 8  
Elevation: 1212 m UTM: 7116835 mN

Comments: Trench chip sample 1.4 m of black and carbonaceous shale.

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Sample Number: M898794 UTM: 546692 mE Nad83, Zone 8  
Elevation: 1212 m UTM: 7116835 mN

Comments: Trench chip sample 1.4 m of black and carbonaceous shale.

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Sample Number: M898795 UTM: 546691 mE Nad83, Zone 8  
Elevation: 1211 m UTM: 7116839 mN

Comments: Trench chip sample 1.9 m of rock with the same lithology as sample M898794, but more competent/less fissile

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Sample Number: M898795 UTM: 546691 mE Nad83, Zone 8  
Elevation: 1211 m UTM: 7116839 mN

Comments: Trench chip sample 1.9 m of rock with the same lithology as sample M898794, but more competent/less fissile

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Sample Number: M898796 UTM: 546692 mE Nad83, Zone 8  
Elevation: 1198 m UTM: 7116824 mN

Comments: Trench chip sample 0.7 m of sooty, black, barite-rich horizon with small areas of white, clay alteration.

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**Rock Sample Descriptions**

Property: Rod

Year: 2014

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Sample Number: M898796 UTM: 546692 mE Nad83, Zone 8  
Elevation: 1198 m UTM: 7116824 mN

Comments: Trench chip sample 0.7 m of sooty, black, barite-rich horizon with small areas of white, clay alteration.

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Sample Number: M898797 UTM: 546695 mE Nad83, Zone 8  
Elevation: 1201 m UTM: 7116822 mN

Comments: Trench chip sample 1.7 m **\*\*nickel horizon\*\***. Maroon weathering, sooty-limonitic volcanic (?) with a white precipitate. Moderately sugar-textured with some purple oxidation.

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Sample Number: M898797 UTM: 546695 mE Nad83, Zone 8  
Elevation: 1201 m UTM: 7116822 mN

Comments: Trench chip sample 1.7 m **\*\*nickel horizon\*\***. Maroon weathering, sooty-limonitic volcanic (?) with a white precipitate. Moderately sugar-textured with some purple oxidation.

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Sample Number: M898797 UTM: 546698 mE Nad83, Zone 8  
Elevation: 1199 m UTM: 7116821 mN

Comments: Trench chip sample 1.3 m broken up carbonaceous shale, platy, black with trace limonite in hairline fractures.

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Sample Number: M898799 UTM: 546800 mE Nad83, Zone 8  
Elevation: 1253 m UTM: 7116722 mN

Comments: Outcrop grab of vuggy, orange weathering quartz vein, with a slight clay alteration. ~20 cm in thickness and cross-cuts bedding.

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Sample Number: M898799 UTM: 546800 mE Nad83, Zone 8  
Elevation: 1253 m UTM: 7116722 mN

Comments: Outcrop grab of vuggy, orange weathering quartz vein, with a slight clay alteration. ~20 cm in thickness and cross-cuts bedding.

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Sample Number: M898800 UTM: 546814 mE Nad83, Zone 8  
Elevation: 1252 m UTM: 7116717 mN

Comments: Specimen sample from talus of 30 cm<sup>3</sup> pitted, black volcanic (?) with sugary texture and rare limonite. Dull brown, porous rock. Intermittent outcrops with talus below and heavy vegetation on steep slope.

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**Rock Sample Descriptions**

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Property: Rod

Year: 2014

Sample Number: M898800 UTM: 546814 mE Nad83, Zone 8  
Elevation: 1252 m UTM: 7116717 mN

Comments: Specimen sample from talus of 30 cm<sup>3</sup> pitted, black volcanic (?) with sugary texture and rare limonite. Dull brown, porous rock. Intermittent outcrops with talus below and heavy vegetation on steep slope.

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Sample Number: M898801 UTM: 546709 mE Nad83, Zone 8  
Elevation: 1231 m UTM: 7116681 mN

Comments: Hand pit dug in talus slope. Black, slightly concoidal fractured shale with black soil beneath. Rare < 1cm quartz veinlets with limonite.

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Sample Number: M898801 UTM: 546709 mE Nad83, Zone 8  
Elevation: 1231 m UTM: 7116681 mN

Comments: Hand pit dug in talus slope. Black, slightly concoidal fractured shale with black soil beneath. Rare < 1cm quartz veinlets with limonite.

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Sample Number: M898802 UTM: 547803 mE Nad83, Zone 8  
Elevation: 1485 m UTM: 7115929 mN

Comments: Composite grab sample from TR-14-03. Comprised of six pieces of massive galena 'potatoes' - sub-rounded to knubbly, brown soil and anglesite covering surface.

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Sample Number: M898802 UTM: 547803 mE Nad83, Zone 8  
Elevation: 1485 m UTM: 7115929 mN

Comments: Composite grab sample from TR-14-03. Comprised of six pieces of massive galena 'potatoes' - sub-rounded to knubbly, brown soil and anglesite covering surface.

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Sample Number: M898803 UTM: 547803 mE Nad83, Zone 8  
Elevation: 1488 m UTM: 7115931 mN

Comments: Float composite grab, (excavated from a 1 metre deep pit), of limonitic, punky and earthy, maroon to black shale breccia(?)

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Rock Sample Descriptions		Property: Rod		Year: 2014
Sample Number:	M898803	UTM:	547803 mE	Nad83, Zone 8
Elevation:	1488 m	UTM:	7115931 mN	
Comments: Float composite grab, (excavated from a 1 metre deep pit), of limonitic, punky and earthy, maroon to black shale breccia(?)				
Sample Number:	M898804	UTM:	547807 mE	Nad83, Zone 8
Elevation:	1484 m	UTM:	7115922 mN	
Comments: Composite grab sample from TR-14-03. Limonite to plumbo-jarosite-purple oxide. Punky rock with rare quartz fragments - relict of vein? Moderately abundant in trench.				
Sample Number:	M898804	UTM:	547807 mE	Nad83, Zone 8
Elevation:	1484 m	UTM:	7115922 mN	
Comments: Composite grab sample from TR-14-03. Limonite to plumbo-jarosite-purple oxide. Punky rock with rare quartz fragments - relict of vein? Moderately abundant in trench.				
Sample Number:	M898805	UTM:	547803 mE	Nad83, Zone 8
Elevation:	1486 m	UTM:	7115930 mN	
Comments: Composite grab sample from TR-14-03. White quartz vein fragments with limonite, anglesite, goethite and manganese staining. Vibrant colours, but no visible sulphides.				
Sample Number:	M898805	UTM:	547803 mE	Nad83, Zone 8
Elevation:	1486 m	UTM:	7115930 mN	
Comments: Composite grab sample from TR-14-03. White quartz vein fragments with limonite, anglesite, goethite and manganese staining. Vibrant colours, but no visible sulphides.				
Sample Number:	M898806	UTM:	547804 mE	Nad83, Zone 8
Elevation:	1485 m	UTM:	7115925 mN	
Comments: Float grab, (excavated from a 1 metre deep pit), of weathering orange to brown, fresh black, carbonaceous shale with a vuggy and banded appearance, with earthy black mineralization in vugs and a sugary silica-flooded texture.				

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**Rock Sample Descriptions**

Property: Rod

Year: 2014

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Sample Number: M898806 UTM: 547804 mE Nad83, Zone 8  
Elevation: 1485 m UTM: 7115925 mN

Comments: Float grab, (excavated from a 1 metre deep pit), of weathering orange to brown, fresh black, carbonaceous shale with a vuggy and banded appearance, with earthy black mineralization in vugs and a sugary silica-flooded texture.

---

Sample Number: M898807 UTM: 547850 mE Nad83, Zone 8  
Elevation: 1506 m UTM: 7116002 mN

Comments: Chip sample across 2.5 m in TR-14-02. Bedrock composed of matte black shale with fracture coatings of slightly shiny/silvery sulphide (?) plus yellow to pale green alteration and iridescent (purple, pink and green) sheen on fractures and fresh surfaces.

---

Sample Number: M898807 UTM: 547850 mE Nad83, Zone 8  
Elevation: 1506 m UTM: 7116002 mN

Comments: Chip sample across 2.5 m in TR-14-02. Bedrock composed of matte black shale with fracture coatings of slightly shiny/silvery sulphide (?) plus yellow to pale green alteration and iridescent (purple, pink and green) sheen on fractures and fresh surfaces.

---

Sample Number: M898808 UTM: 547851 mE Nad83, Zone 8  
Elevation: 1507 m UTM: 7116003 mN

Comments: Composite grab sample from discard pile of TR-14-02. Sample is 6 pc/1 m of slightly punky black shale with veinlets or seams of white, clay (?) alteration cementing black sulphides with at least three cleavage planes (??). Moderately pitted/vesicular. Not found in outcrop in trench.

---

Sample Number: M898808 UTM: 547851 mE Nad83, Zone 8  
Elevation: 1507 m UTM: 7116003 mN

Comments: Composite grab sample from discard pile of TR-14-02. Sample is 6 pc/1 m of slightly punky black shale with veinlets or seams of white, clay (?) alteration cementing black sulphides with at least three cleavage planes (??). Moderately pitted/vesicular. Not found in outcrop in trench.

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**Rock Sample Descriptions**

Property: Rod

Year: 2014

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Sample Number: M898809 UTM: 547852 mE Nad83, Zone 8  
Elevation: 1508 m UTM: 7116005 mN

Comments: Chip sample across 2.5 m in TR-14-02. Very recessive, broken area with sooty, carbonaceous shale with limonite fracture surfaces.

---

Sample Number: M898809 UTM: 547852 mE Nad83, Zone 8  
Elevation: 1508 m UTM: 7116005 mN

Comments: Chip sample across 2.5 m in TR-14-02. Very recessive, broken area with sooty, carbonaceous shale with limonite fracture surfaces.

---

Sample Number: M898810 UTM: 547853 mE Nad83, Zone 8  
Elevation: 1508 m UTM: 7116008 mN

Comments: Chip sample across 3.5 m of bedrock in trench. Black, carbonaceous shale with limonite on fracture surfaces. Homogeneous. Some fractures appear to have silvery sulphide present.

---

Sample Number: M898810 UTM: 547853 mE Nad83, Zone 8  
Elevation: 1508 m UTM: 7116008 mN

Comments: Chip sample across 3.5 m of bedrock in trench. Black, carbonaceous shale with limonite on fracture surfaces. Homogeneous. Some fractures appear to have silvery sulphide present.

---

Sample Number: M898811 UTM: 547838 mE Nad83, Zone 8  
Elevation: 1460 m UTM: 7116123 mN

Comments: Chip sample across 3 m in TR-14-01. Broken, sooty, carbonaceous black shale with pite and quartz eye fragmentals. Weak limonite and maroon weathering.

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Sample Number: M898811 UTM: 547838 mE Nad83, Zone 8  
Elevation: 1460 m UTM: 7116123 mN

Comments: Chip sample across 3 m in TR-14-01. Broken, sooty, carbonaceous black shale with pite and quartz eye fragmentals. Weak limonite and maroon weathering.

---

Rock Sample Descriptions		Property: Rod		Year: 2014
Sample Number:	M898812	UTM:	547838 mE	Nad83, Zone 8
Elevation:	1460 m	UTM:	7116123 mN	
Comments: Chip sample across 1.8 m in TR-14-01. Quartz vein - nice looking. White quartz with sparse, very orange-rusty soil. Vein hosts <10% shiny goethite, which looks melted by saudering iron. Rare galena crystals, brown-orange-yellow limonite. Possibly plumbo-jarosite. Orientation unknown.				
Sample Number:	M898812	UTM:	547838 mE	Nad83, Zone 8
Elevation:	1460 m	UTM:	7116123 mN	
Comments: Chip sample across 1.8 m in TR-14-01. Quartz vein - nice looking. White quartz with sparse, very orange-rusty soil. Vein hosts <10% shiny goethite, which looks melted by saudering iron. Rare galena crystals, brown-orange-yellow limonite. Possibly plumbo-jarosite. Orientation unknown.				
Sample Number:	M898813	UTM:	547838 mE	Nad83, Zone 8
Elevation:	1463 m	UTM:	7116123 mN	
Comments: Chip sample across 3 m in TR-14-01. Shattered black shale with all fragments less than 1 cm. Very soil-rich. Definite structural corridor.				
Sample Number:	M898813	UTM:	547838 mE	Nad83, Zone 8
Elevation:	1463 m	UTM:	7116123 mN	
Comments: Chip sample across 3 m in TR-14-01. Shattered black shale with all fragments less than 1 cm. Very soil-rich. Definite structural corridor.				
Sample Number:	M898814	UTM:	547840 mE	Nad83, Zone 8
Elevation:	1463 m	UTM:	7116120 mN	
Comments: Chip sample across 3 m in TR-14-01. Broken, sooty, carbonaceous shale. Slightly more competent than M898814				
Sample Number:	M898814	UTM:	547840 mE	Nad83, Zone 8
Elevation:	1463 m	UTM:	7116120 mN	
Comments: Chip sample across 3 m in TR-14-01. Broken, sooty, carbonaceous shale. Slightly more competent than M898814				

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**Rock Sample Descriptions**

Property: Rod

Year: 2014

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Sample Number: M898815 UTM: 547841 mE Nad83, Zone 8  
Elevation: 1463 m UTM: 7116115 mN

Comments: Chip sample across 3.8 m in TR-14-01. Black, carbonaceous shale, sooty/more resistant than previous.

---

Sample Number: M898815 UTM: 547841 mE Nad83, Zone 8  
Elevation: 1463 m UTM: 7116115 mN

Comments: Chip sample across 3.8 m in TR-14-01. Black, carbonaceous shale, sooty/more resistant than previous.

---

Sample Number: M898816 UTM: 547841 mE Nad83, Zone 8  
Elevation: 1463 m UTM: 7116114 mN

Comments: Chip sample across 1.2 m in TR-14-01. Rusty soil hosting intensely limonitic quartz vein. Fractured with limonite and small pockets of yellow-orange oxide.

---

Sample Number: M898816 UTM: 547841 mE Nad83, Zone 8  
Elevation: 1463 m UTM: 7116114 mN

Comments: Chip sample across 1.2 m in TR-14-01. Rusty soil hosting intensely limonitic quartz vein. Fractured with limonite and small pockets of yellow-orange oxide.

---

Sample Number: M898817 UTM: 547842 mE Nad83, Zone 8  
Elevation: 1464 m UTM: 7116111 mN

Comments: Chip sample across 2.5 m in TR-14-01. Broken and soliflucted sooty black shale with yellow-orange alteration.

---

Sample Number: M898817 UTM: 547842 mE Nad83, Zone 8  
Elevation: 1464 m UTM: 7116111 mN

Comments: Chip sample across 2.5 m in TR-14-01. Broken and soliflucted sooty black shale with yellow-orange alteration.

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Sample Number: M898818 UTM: 547843 mE Nad83, Zone 8  
Elevation: 1462 m UTM: 7116108 mN

Comments: Chip sample across 2.1 m in TR-14-01. Carbonaceous shale with fracture coatings of iridescent sheen. Rare limonite (yellow-orange) on fractures also.

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**Rock Sample Descriptions**

Property: Rod

Year: 2014

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Sample Number: M898818 UTM: 547843 mE Nad83, Zone 8  
Elevation: 1462 m UTM: 7116108 mN

Comments: Chip sample across 2.1 m in TR-14-01. Carbonaceous shale with fracture coatings of iridescent sheen. Rare limonite (yellow-orange) on fractures also.

---

Sample Number: M898819 UTM: 546808 mE Nad83, Zone 8  
Elevation: 1238 m UTM: 7116745 mN

Comments: Chip sample across TR-14-06. Black outcrop of carbonaceous shale with rare limonite quartz veins. Most pieces less than 2 cm.

---

Sample Number: M898819 UTM: 546808 mE Nad83, Zone 8  
Elevation: 1238 m UTM: 7116745 mN

Comments: Chip sample across TR-14-06. Black outcrop of carbonaceous shale with rare limonite quartz veins. Most pieces less than 2 cm.

---

Sample Number: M898820 UTM: 546816 mE Nad83, Zone 8  
Elevation: 1239 m UTM: 7116751 mN

Comments: Chip sample across outcrop in TR-14-06. Sample is carbonaceous shale with abundant mm-scale quartz veins. Rusty, limonite alteration. Broken orange soil in trench below outcrop.

---

Sample Number: M898820 UTM: 546816 mE Nad83, Zone 8  
Elevation: 1239 m UTM: 7116751 mN

Comments: Chip sample across outcrop in TR-14-06. Sample is carbonaceous shale with abundant mm-scale quartz veins. Rusty, limonite alteration. Broken orange soil in trench below outcrop.

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Sample Number: M898821 UTM: 546817 mE Nad83, Zone 8  
Elevation: 1240 m UTM: 7116746 mN

Comments: Chip sample across TR-14-06. Sooty black shale fragments with rusty orange soil and small pieces of rusty quartz.

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Sample Number: M898821 UTM: 546817 mE Nad83, Zone 8  
Elevation: 1240 m UTM: 7116746 mN

Comments: Chip sample across TR-14-06. Sooty black shale fragments with rusty orange soil and small pieces of rusty quartz.

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Rock Sample Descriptions		Property: Rod		Year: 2014
Sample Number:	M898822	UTM:	547534 mE	Nad83, Zone 8
Elevation:	1327 m	UTM:	7116217 mN	
Comments: Float grab of weathering orange to brown and vuggy, quartz vein with earthy limonite and goethite in vugs and sparse masses of fine grained dark green chlorite(?)				
Sample Number:	M898822	UTM:	547534 mE	Nad83, Zone 8
Elevation:	1327 m	UTM:	7116217 mN	
Comments: Float grab of weathering orange to brown and vuggy, quartz vein with earthy limonite and goethite in vugs and sparse masses of fine grained dark green chlorite(?)				
Sample Number:	M898823	UTM:	547317 mE	Nad83, Zone 8
Elevation:	1396 m	UTM:	7116157 mN	
Comments: Float composite grab of dark grey-black and punky shale breccia, with masses of soft and powdery white to pale-yellow clay(?) mineralization. Collected on a steep scree slope.				
Sample Number:	M898823	UTM:	547317 mE	Nad83, Zone 8
Elevation:	1396 m	UTM:	7116157 mN	
Comments: Float composite grab of dark grey-black and punky shale breccia, with masses of soft and powdery white to pale-yellow clay(?) mineralization. Collected on a steep scree slope.				
Sample Number:	M898824	UTM:	547731 mE	Nad83, Zone 8
Elevation:	1411 m	UTM:	7116331 mN	
Comments: Float grab of weathering orange to brown to deep red, limonitic quartz breccia and clasts of dark grey shale, very fine grained and limonitic pits disseminated throughout and masses of soft white to pale-yellow clay(?) mineralization throughout. Collected from a 15 x 10 x 7 cm boulder on a steep scree slope.				

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**Rock Sample Descriptions**

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Property: Rod

Year: 2014

Sample Number: M898824 UTM: 547731 mE Nad83, Zone 8  
Elevation: 1411 m UTM: 7116331 mN

Comments: Float grab of weathering orange to brown to deep red, limonitic quartz breccia and clasts of dark grey shale, very fine grained and limonitic pits disseminated throughout and masses of soft white to pale-yellow clay(?) mineralization throughout. Collected from a 15 x 10 x 7 cm boulder on a steep scree slope.

---

Sample Number: M898825 UTM: 547712 mE Nad83, Zone 8  
Elevation: 1403 m UTM: 7116324 mN

Comments: Float grab of pale orange weathering, limonitic and vuggy quartz-shale breccia with vugs filled with earthy black goethite and fracture surfaces with pitted and encrusting sugary anglesite. The rock also has masses of soft white to pale-yellow clay(?) mineralization and sparse encrusting masses of malachite. Collected from a 30 x 20 x 10 cm boulder on a steep scree slope.

---

Sample Number: M898825 UTM: 547712 mE Nad83, Zone 8  
Elevation: 1403 m UTM: 7116324 mN

Comments: Float grab of pale orange weathering, limonitic and vuggy quartz-shale breccia with vugs filled with earthy black goethite and fracture surfaces with pitted and encrusting sugary anglesite. The rock also has masses of soft white to pale-yellow clay(?) mineralization and sparse encrusting masses of malachite. Collected from a 30 x 20 x 10 cm boulder on a steep scree slope.

---

Sample Number: M898826 UTM: 547742 mE Nad83, Zone 8  
Elevation: 1383 m UTM: 7116380 mN

Comments: Outcrop grab of brick-red weathering, dark grey shale, with narrow (< 1 cm) limonitic quartz veinlets and pitted sugary anglesite(?) mineralization on fracture surfaces.

---

Sample Number: M898826 UTM: 547742 mE Nad83, Zone 8  
Elevation: 1383 m UTM: 7116380 mN

Comments: Outcrop grab of brick-red weathering, dark grey shale, with narrow (< 1 cm) limonitic quartz veinlets and pitted sugary anglesite(?) mineralization on fracture surfaces.

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**Rock Sample Descriptions**

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Property: Rod

Year: 2014

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Sample Number: M898827 UTM: 547345 mE Nad83, Zone 8  
Elevation: 1577 m UTM: 7115378 mN

Comments: Specimen sample from talus below outcrop (too steep to scale). Size - 20 cm by 30 cm quartz vein with radiating laths of orange limonite and disseminated masses (<1 cm) of talc (?). White clay alteration - very soft.

---

Sample Number: M898827 UTM: 547345 mE Nad83, Zone 8  
Elevation: 1577 m UTM: 7115378 mN

Comments: Specimen sample from talus below outcrop (too steep to scale). Size - 20 cm by 30 cm quartz vein with radiating laths of orange limonite and disseminated masses (<1 cm) of talc (?). White clay alteration - very soft.

---

Sample Number: M898828 UTM: 547763 mE Nad83, Zone 8  
Elevation: 1444 m UTM: 7116295 mN

Comments: Outcrop grab of weathering light brown, quartz vein with coarse grained masses of pale white-green euhedral carbonate(?), coarse grained honey sphalerite and a powdery white clay(?) mineralization on fracture surfaces. The vein is estimated to be about 40 cm in thickness.

---

Sample Number: M898828 UTM: 547763 mE Nad83, Zone 8  
Elevation: 1444 m UTM: 7116295 mN

Comments: Outcrop grab of weathering light brown, quartz vein with coarse grained masses of pale white-green euhedral carbonate(?), coarse grained honey sphalerite and a powdery white clay(?) mineralization on fracture surfaces. The vein is estimated to be about 40 cm in thickness.

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Sample Number: M898829 UTM: 547763 mE Nad83, Zone 8  
Elevation: 1442 m UTM: 7116294 mN

Comments: Outcrop grab of rock with the same lithology as sample M898823.

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Sample Number: M898829 UTM: 547763 mE Nad83, Zone 8  
Elevation: 1442 m UTM: 7116294 mN

Comments: Outcrop grab of rock with the same lithology as sample M898823.

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**Rock Sample Descriptions**

Property: Rod

Year: 2014

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Sample Number: M898830 UTM: 547634 mE Nad83, Zone 8

Elevation: 1605 m UTM: 7115477 mN

Comments: Outcrop sample 30 cm of rusty weathered, bladed barite vein with dark brown limonite, bright green mineral (?) and trace galena.

---

Sample Number: M898830 UTM: 547634 mE Nad83, Zone 8

Elevation: 1605 m UTM: 7115477 mN

Comments: Outcrop sample 30 cm of rusty weathered, bladed barite vein with dark brown limonite, bright green mineral (?) and trace galena.

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**APPENDIX IV**  
**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  
 Total # Pages: 3 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 11-AUG-2014  
 Account: MTT

**CERTIFICATE WH14109752**

Project: ROD

This report is for 69 Rock samples submitted to our lab in Whitehorse, YT, Canada on 19-JUL-2014.

The following have access to data associated with this certificate:

HEATHER BURRELL	SARAH DRECHSLER	JOAN MARIACHER
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<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Pb-VOL70	Pb by Titration	
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	51 anal. aqua regia ICPMS	
Ag-OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	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



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.  
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 1016-510 W HASTINGS ST  
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Page: 2 - A  
 Total # Pages: 3 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 11-AUG-2014  
 Account: MTT

Project: ROD

**CERTIFICATE OF ANALYSIS WH14109752**

Sample Description	Method	WEI-21	Au-AA24	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	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
M635912		0.88	<0.005	1.25	0.03	301	<0.2	<10	80	0.15	0.01	5.40	>1000	1.46	2.3	<1
M635913		1.05	<0.005	0.31	0.10	88.2	<0.2	<10	20	0.08	0.04	0.04	3.54	5.14	0.5	13
M635917		0.89	<0.005	0.34	0.15	9.6	<0.2	<10	2650	0.06	0.01	0.02	0.83	1.93	0.2	17
M635918		0.98	<0.005	0.02	0.12	102.0	<0.2	<10	40	0.34	0.01	1.71	5.31	0.69	55.0	303
M635919		1.13	<0.005	0.04	0.37	245	<0.2	<10	60	0.40	0.02	0.16	4.03	4.40	23.5	367
M635921		0.95	<0.005	0.43	0.18	38.5	<0.2	<10	100	0.40	0.08	0.08	1.97	5.33	4.5	14
M635922		0.87	<0.005	1.11	0.29	20.7	<0.2	<10	120	0.69	0.12	1.43	3.60	48.0	5.7	12
M635923		0.98	<0.005	0.52	0.18	26.2	<0.2	<10	70	1.80	0.01	9.48	252	7.68	99.4	14
M635924		0.99	<0.005	4.97	0.11	101.5	<0.2	<10	630	0.19	0.04	0.04	0.91	2.57	0.4	31
M635925		0.74	<0.005	14.60	0.52	49.9	<0.2	10	430	0.64	0.24	0.48	64.9	20.0	6.3	11
M635926		1.78	<0.005	>100	0.07	1530	<0.2	<10	30	0.09	62.8	0.04	786	0.64	7.5	1
M635929		0.79	0.018	10.95	0.25	78.5	<0.2	<10	120	0.30	0.66	0.03	3.00	21.6	1.4	11
M635930		1.11	0.147	>100	0.09	6210	<0.2	<10	30	0.07	0.31	0.08	22.5	3.02	0.2	7
M635931		0.75	<0.005	5.97	0.28	505	<0.2	<10	50	0.73	0.02	0.02	3.87	6.53	0.9	13
M635932		1.21	0.006	46.8	0.09	1380	<0.2	<10	30	0.15	0.11	0.16	178.5	1.67	1.8	12
M635933		0.84	<0.005	0.19	4.66	35.9	<0.2	<10	270	2.94	0.05	2.19	1.83	265	46.8	207
M635934		0.52	<0.005	2.84	0.62	39.6	<0.2	<10	1750	0.67	0.03	4.48	2.55	63.1	9.1	4
M635936		0.67	<0.005	0.30	0.11	10.6	<0.2	<10	110	0.09	0.01	0.47	2.59	5.18	1.5	21
M635938		0.87	0.006	3.41	0.18	82.0	<0.2	<10	290	0.36	0.11	0.03	1.46	7.00	0.3	40
M635939		0.55	0.006	1.50	0.45	983	<0.2	<10	250	1.30	0.11	0.03	4.67	12.25	5.2	30
M635940		0.91	<0.005	16.15	0.69	2730	<0.2	30	1110	1.42	0.05	1.15	163.5	36.2	43.7	75
M635941		0.95	<0.005	0.09	4.30	41.8	<0.2	<10	370	2.02	0.03	9.50	1.50	140.5	64.3	495
M635942		0.89	<0.005	0.63	2.35	7.0	<0.2	<10	480	0.66	0.04	8.95	0.54	67.2	30.1	107
M635943		1.02	0.005	>100	0.30	1005	<0.2	<10	30	0.37	0.27	0.31	789	6.37	22.0	20
M635944		0.74	<0.005	1.74	0.12	87.2	<0.2	<10	50	0.37	0.02	0.59	5.64	1.04	54.8	250
M635945		0.88	<0.005	3.36	0.20	642	<0.2	<10	180	0.24	0.08	0.23	7.48	3.07	17.8	153
M635946		0.61	<0.005	0.72	0.11	16.8	<0.2	<10	250	0.18	0.03	0.04	46.3	4.84	14.2	12
M635947		0.93	<0.005	2.68	0.12	30.9	<0.2	<10	350	0.19	0.04	0.02	1.82	1.68	0.4	31
M635948		0.88	0.008	1.78	0.52	2860	<0.2	10	290	0.83	0.24	0.03	4.88	23.0	8.3	20
M635949		0.98	0.096	>100	0.29	5600	<0.2	<10	100	0.24	0.29	0.05	9.04	7.88	1.9	9
M635950		1.01	0.030	>100	0.24	2620	<0.2	<10	140	0.30	0.20	0.01	10.85	6.38	2.3	15
M635951		1.13	<0.005	5.30	0.21	805	<0.2	<10	310	0.31	0.10	0.01	0.97	11.60	1.1	25
M635952		0.88	<0.005	1.23	0.39	21.2	<0.2	10	510	0.23	0.01	0.01	0.29	1.48	0.3	23
M635953		0.82	<0.005	1.57	0.15	47.8	<0.2	<10	290	0.19	0.06	<0.01	0.18	2.29	0.3	22
M635955		0.86	<0.005	2.72	0.14	489	<0.2	<10	200	0.16	0.07	0.01	2.52	1.32	0.2	21
M635956		1.11	<0.005	1.47	0.32	60.8	<0.2	<10	610	0.48	0.05	0.67	0.96	5.70	0.8	53
M635957		0.78	<0.005	1.12	0.13	42.0	<0.2	<10	870	0.08	1.91	0.05	0.31	1.80	0.8	20
M635958		1.05	<0.005	1.56	0.09	106.5	<0.2	<10	340	0.17	0.03	0.02	0.22	0.58	2.8	35
M635959		1.03	<0.005	1.55	0.50	59.2	<0.2	<10	600	2.79	0.05	0.45	33.5	9.05	72.8	33
M635960		1.16	<0.005	0.05	3.87	4.3	<0.2	<10	440	2.13	0.04	3.55	0.26	125.5	43.0	113



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

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**CERTIFICATE OF ANALYSIS WH14109752**

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
M635912		0.08	132.0	3.79	2.22	<0.05	<0.02	71.5	0.698	0.01	0.5	0.5	1.03	25100	1.02	<0.01
M635913		0.46	4.9	0.83	0.31	<0.05	0.07	0.33	0.017	0.05	2.5	0.4	0.01	185	0.15	<0.01
M635917		0.27	5.9	0.37	4.02	<0.05	0.02	1.85	0.044	0.04	1.1	0.9	0.02	55	1.25	<0.01
M635918		1.67	3.9	4.15	0.28	<0.05	<0.02	0.50	<0.005	0.01	0.3	2.0	16.00	1690	0.13	<0.01
M635919		2.31	8.5	3.23	1.29	<0.05	0.03	0.20	0.007	0.04	2.6	5.3	12.95	805	1.37	<0.01
M635921		0.89	68.9	1.42	0.62	<0.05	0.06	0.30	0.023	0.10	3.2	0.9	0.09	295	16.95	<0.01
M635922		1.26	35.9	2.38	0.90	0.06	0.04	0.36	0.023	0.12	28.1	1.2	0.15	1090	0.86	0.02
M635923		0.23	3.6	8.22	0.50	0.07	0.11	0.16	0.009	0.02	5.7	0.5	4.09	23000	0.88	<0.01
M635924		0.18	18.8	1.05	0.64	<0.05	0.10	2.18	0.017	0.05	1.6	0.4	0.02	112	6.65	<0.01
M635925		1.35	39.0	3.53	1.55	0.05	0.08	3.64	0.055	0.18	10.2	1.2	0.05	17200	2.56	0.01
M635926		0.51	2760	3.68	2.08	0.13	<0.02	124.5	1.180	0.02	0.7	0.5	0.04	25100	1.04	<0.01
M635929		0.85	24.8	2.21	0.89	<0.05	0.02	1.10	0.018	0.12	10.4	0.6	0.01	151	0.41	0.01
M635930		0.18	120.5	0.94	0.56	0.11	0.02	1.56	0.025	0.03	1.6	0.2	<0.01	62	3.75	<0.01
M635931		0.24	44.5	0.80	0.38	<0.05	<0.02	0.58	0.073	0.03	3.4	0.3	<0.01	178	0.31	<0.01
M635932		0.58	44.2	12.60	1.21	0.05	<0.02	2.61	1.505	0.07	0.8	0.2	0.08	>50000	0.26	<0.01
M635933		2.47	72.0	9.82	24.7	0.30	0.09	0.21	0.108	0.04	133.0	62.3	4.30	2540	2.79	0.03
M635934		1.56	11.2	5.87	1.65	0.07	0.03	0.17	0.033	0.08	53.7	4.5	1.62	3240	1.24	0.01
M635936		0.15	11.2	0.52	0.52	<0.05	0.03	0.11	0.008	0.01	7.3	1.3	0.07	242	2.20	<0.01
M635938		0.16	33.4	0.78	0.71	0.07	0.20	0.98	0.012	0.09	8.0	0.6	0.02	201	17.85	<0.01
M635939		1.03	49.9	7.73	1.18	0.08	0.08	1.28	0.059	0.17	7.8	1.0	0.02	449	34.5	<0.01
M635940		3.78	18.2	7.69	3.21	0.09	0.06	4.29	0.077	0.41	20.6	0.6	0.06	>50000	2.37	<0.01
M635941		9.55	104.0	8.97	17.45	0.21	0.12	0.19	0.083	0.42	77.0	66.8	3.17	1450	1.07	0.01
M635942		4.23	27.5	5.01	11.10	0.17	0.46	0.07	0.014	0.12	33.4	43.7	2.20	894	0.59	0.02
M635943		1.08	255	2.97	2.53	<0.05	0.04	64.6	0.360	0.13	3.1	0.8	0.06	17300	0.69	<0.01
M635944		1.93	5.3	4.37	0.31	<0.05	<0.02	1.35	<0.005	0.02	0.5	2.4	16.75	1200	0.24	<0.01
M635945		1.63	20.0	3.80	0.70	<0.05	0.03	0.72	0.029	0.06	1.6	1.3	10.45	986	0.77	<0.01
M635946		0.39	26.0	2.78	0.26	<0.05	<0.02	0.80	0.040	0.04	1.2	0.3	0.07	4520	0.18	<0.01
M635947		0.36	14.8	0.42	0.44	<0.05	0.07	1.22	0.018	0.07	1.7	0.4	0.02	57	3.21	<0.01
M635948		1.91	58.3	5.65	1.33	0.06	0.06	0.59	0.040	0.23	12.3	0.6	0.02	376	2.32	0.01
M635949		1.00	157.0	1.49	0.89	0.07	0.10	0.93	0.033	0.14	4.0	0.4	0.01	33	3.02	<0.01
M635950		0.78	50.2	1.83	0.69	0.06	0.09	0.60	0.025	0.13	3.3	0.4	0.01	63	3.07	<0.01
M635951		0.59	15.2	1.09	0.75	<0.05	0.11	0.67	0.025	0.13	8.1	0.4	0.01	40	2.30	<0.01
M635952		0.80	59.2	0.91	1.15	<0.05	0.03	0.28	0.011	0.09	1.4	1.8	0.04	49	5.27	<0.01
M635953		0.16	40.6	0.62	0.50	<0.05	0.12	0.34	<0.005	0.05	2.2	0.8	0.02	40	5.25	<0.01
M635955		0.11	37.4	1.66	0.49	<0.05	0.10	0.23	0.090	0.04	0.9	0.5	0.01	191	20.5	<0.01
M635956		0.12	96.1	1.31	2.16	0.05	0.09	0.54	0.083	0.06	3.5	0.8	0.01	49	8.16	<0.01
M635957		0.16	16.1	0.47	0.46	<0.05	<0.02	0.34	0.049	0.04	1.1	0.6	0.01	104	1.12	<0.01
M635958		0.09	73.7	1.60	0.25	0.05	<0.02	0.33	0.176	0.01	0.3	0.2	0.01	1150	2.45	<0.01
M635959		0.26	915	20.7	3.95	0.21	0.13	0.68	0.132	0.05	6.0	1.0	0.15	17900	24.5	<0.01
M635960		14.40	52.3	8.82	19.60	0.28	0.43	0.03	0.079	0.39	67.9	41.7	4.02	1580	0.44	0.04





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

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 C/O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016-510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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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	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
Units		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOR		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
M635912		<0.05	3.4	380	65.2	0.3	<0.001	3.46	48.6	0.4	2.9	112.0	35.7	<0.01	0.02	<0.2
M635913		<0.05	1.9	100	17.0	3.0	<0.001	0.02	2.34	0.5	<0.2	0.7	5.1	<0.01	<0.01	2.3
M635917		<0.05	1.7	350	23.3	2.6	0.001	0.07	3.83	0.3	1.6	0.7	95.9	<0.01	0.03	0.2
M635918		<0.05	578	10	2.4	1.0	<0.001	0.02	6.67	4.9	0.6	0.3	44.4	<0.01	0.01	0.3
M635919		<0.05	410	80	2.1	3.8	0.002	0.03	6.14	4.8	0.8	0.2	12.1	<0.01	0.02	0.6
M635921		0.05	19.8	290	115.5	5.0	0.006	<0.01	13.40	1.9	1.5	0.3	9.1	<0.01	0.05	0.9
M635922		0.17	13.8	1060	271	7.8	<0.001	0.02	5.88	3.3	0.6	0.3	151.5	<0.01	0.02	1.8
M635923		<0.05	532	940	524	1.4	0.001	0.02	5.90	2.5	3.6	<0.2	376	<0.01	0.02	0.6
M635924		<0.05	5.8	510	61.9	3.2	0.025	0.06	49.0	0.7	8.5	0.3	120.5	<0.01	0.04	0.6
M635925		0.08	41.8	2430	5880	11.0	0.001	0.18	35.3	4.1	2.0	2.1	86.2	<0.01	0.05	3.7
M635926		<0.05	8.8	140	>10000	1.4	<0.001	8.10	2600	1.5	31.6	33.3	51.4	<0.01	0.28	<0.2
M635929		0.05	6.1	390	4000	6.6	0.001	0.09	19.35	2.7	11.7	0.4	13.1	<0.01	0.01	2.1
M635930		<0.05	1.1	4490	>10000	1.5	0.002	>10.0	1530	3.4	38.7	12.6	2.1	<0.01	0.20	3.8
M635931		<0.05	12.0	1100	2570	1.7	<0.001	0.05	11.65	3.4	1.8	0.4	8.4	<0.01	0.03	0.4
M635932		<0.05	6.0	610	>10000	3.2	<0.001	0.43	48.8	4.6	2.6	1.4	40.0	<0.01	0.02	0.2
M635933		0.15	131.0	6010	101.5	3.6	<0.001	0.01	3.03	10.5	1.7	0.9	307	<0.01	0.01	7.0
M635934		0.29	12.2	840	1190	6.4	<0.001	0.10	4.31	1.4	0.5	0.2	351	<0.01	0.01	1.0
M635936		0.05	12.9	120	95.0	0.7	0.003	0.02	0.91	0.4	1.0	0.2	13.6	<0.01	0.02	0.2
M635938		<0.05	9.1	530	973	4.7	0.076	0.08	19.80	1.2	22.4	0.3	63.5	<0.01	0.08	1.1
M635939		<0.05	58.4	1640	95.3	9.8	0.011	0.06	30.5	5.4	21.3	0.6	68.7	<0.01	0.09	2.6
M635940		0.20	120.0	4280	>10000	26.7	0.001	0.06	10.50	24.0	1.4	6.9	265	<0.01	0.01	3.9
M635941		0.21	229	3270	47.0	26.6	<0.001	<0.01	1.37	23.3	1.0	1.1	460	<0.01	0.01	5.5
M635942		3.80	74.4	3420	236	6.7	<0.001	0.01	0.91	2.6	0.8	0.7	878	0.06	0.01	2.8
M635943		0.26	76.1	1380	>10000	8.2	<0.001	4.54	591	15.6	3.6	57.1	53.4	<0.01	0.05	0.5
M635944		<0.05	673	30	776	1.8	<0.001	0.04	2.98	5.2	0.7	0.6	53.8	<0.01	<0.01	0.4
M635945		<0.05	355	130	1080	4.7	<0.001	0.02	17.20	4.4	1.2	0.5	25.0	<0.01	0.02	0.5
M635946		<0.05	67.7	310	112.0	2.3	<0.001	0.02	5.24	2.5	1.0	0.2	4.9	<0.01	<0.01	0.3
M635947		<0.05	3.9	220	316	3.4	0.072	0.05	12.70	0.7	6.9	0.6	69.4	<0.01	0.05	0.3
M635948		<0.05	29.8	1520	693	11.9	0.005	0.05	14.35	4.4	7.6	0.4	66.4	<0.01	0.06	4.2
M635949		<0.05	7.0	2700	>10000	7.5	0.001	4.41	525	3.6	21.1	4.2	8.3	<0.01	0.15	4.6
M635950		<0.05	8.6	610	>10000	6.4	<0.001	3.22	403	2.1	14.3	4.0	9.6	<0.01	0.12	2.3
M635951		<0.05	5.2	550	1490	6.1	0.017	0.10	9.64	1.8	5.7	0.4	50.3	<0.01	0.06	2.9
M635952		<0.05	16.4	410	289	4.3	<0.001	0.02	2.39	0.6	7.6	0.2	60.0	<0.01	0.01	0.2
M635953		<0.05	6.5	270	191.0	2.6	0.023	0.03	5.34	0.7	5.7	0.3	23.6	<0.01	0.07	0.5
M635955		<0.05	6.5	410	658	3.0	0.020	0.03	12.70	0.4	10.0	1.1	9.9	<0.01	0.09	0.4
M635956		<0.05	31.0	4380	32.3	3.0	0.005	0.06	10.60	1.6	7.9	0.3	166.5	<0.01	0.06	0.6
M635957		<0.05	2.4	580	60.9	2.4	0.001	0.03	2.22	0.7	0.9	0.9	28.3	<0.01	0.06	0.4
M635958		<0.05	65.3	810	23.5	0.6	<0.001	0.11	17.70	1.3	17.4	0.3	17.1	<0.01	0.01	<0.2
M635959		<0.05	2000	1640	23.7	3.3	0.003	0.15	11.05	4.3	52.4	1.3	51.9	<0.01	0.02	0.8
M635960		3.60	57.3	4600	10.2	24.2	<0.001	0.04	0.17	14.3	1.0	1.0	527	0.06	0.02	5.4



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

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Ag-OG46	Pb-OG46	Ag-GRA21	Cu-OG46	Zn-OG46	Pb-VOL70
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm	Pb %	Ag ppm	Cu %	Zn %	Pb %
M635912		<0.005	0.06	0.57	<1	0.05	2.16	>10000	1.4					18.95	
M635913		<0.005	0.06	0.15	1	<0.05	0.68	732	2.6						
M635917		<0.005	0.08	0.90	42	0.12	1.99	80	1.0						
M635918		<0.005	0.04	0.13	8	<0.05	0.97	436	<0.5						
M635919		<0.005	0.06	0.43	37	<0.05	2.17	270	2.0						
M635921		<0.005	0.17	1.06	34	<0.05	3.78	313	3.7						
M635922		<0.005	0.09	0.42	14	<0.05	7.02	383	2.9						
M635923		<0.005	0.04	1.64	25	<0.05	35.0	>10000	7.4					5.45	
M635924		<0.005	0.21	3.62	46	0.31	2.15	206	5.5						
M635925		<0.005	0.21	0.92	34	0.42	11.50	5500	5.4						
M635926		<0.005	0.87	0.56	5	<0.05	2.06	>10000	<0.5	>1500	>20.0	1505		7.05	60.74
M635929		<0.005	0.11	0.29	13	<0.05	3.09	774	1.3						
M635930		<0.005	0.39	0.73	8	<0.05	0.38	194	0.9	1250	>20.0				55.42
M635931		<0.005	0.04	0.66	10	<0.05	3.61	210	0.6						
M635932		<0.005	0.06	0.07	20	0.11	4.73	6240	<0.5		2.03				
M635933		0.008	0.08	0.70	269	0.07	21.1	242	6.4						
M635934		<0.005	0.11	0.29	22	<0.05	5.45	169	2.9						
M635936		<0.005	0.03	0.41	8	<0.05	2.29	113	2.1						
M635938		<0.005	0.12	15.00	81	0.40	5.62	150	11.6						
M635939		<0.005	0.14	5.78	115	0.58	10.00	1690	5.5						
M635940		<0.005	0.32	0.82	50	0.67	13.80	>10000	5.3		1.165			1.405	
M635941		0.102	0.29	0.38	236	0.14	15.30	414	6.1						
M635942		0.563	0.08	0.50	90	0.26	11.10	113	25.1						
M635943		<0.005	0.36	1.12	18	0.10	3.54	>10000	1.7	834	>20.0			7.53	38.97
M635944		<0.005	0.03	0.13	8	<0.05	0.78	563	0.7						
M635945		<0.005	0.14	0.33	32	<0.05	3.46	792	1.5						
M635946		<0.005	0.08	0.07	3	<0.05	3.79	3900	0.6						
M635947		<0.005	0.09	8.51	51	0.14	3.73	80	4.1						
M635948		<0.005	0.23	1.77	39	0.12	5.92	1250	3.5						
M635949		<0.005	0.22	0.61	13	0.09	1.75	254	4.1	589	>20.0				23.24
M635950		<0.005	0.27	0.42	15	0.06	1.95	360	3.5	446	17.70				
M635951		<0.005	0.16	6.48	31	0.13	7.21	159	5.8						
M635952		<0.005	0.10	1.94	156	0.07	2.42	111	2.4						
M635953		<0.005	0.07	3.33	47	0.17	3.47	52	6.5						
M635955		<0.005	0.24	1.72	182	0.30	1.51	226	4.4						
M635956		<0.005	0.40	6.65	154	0.30	23.1	159	4.7						
M635957		<0.005	0.11	0.93	28	0.15	2.55	20	0.8						
M635958		<0.005	0.04	2.71	88	0.08	2.10	715	1.3						
M635959		<0.005	0.36	58.5	213	0.26	49.4	>10000	20.7					1.515	
M635960		0.616	0.21	0.74	242	0.30	15.80	173	20.8						



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

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 C/O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016-510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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**CERTIFICATE OF ANALYSIS WH14109752**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA24	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
M635961		0.85	<0.005	3.83	0.29	16.8	<0.2	10	330	0.18	0.10	0.03	1.77	18.00	1.5	11
M635962		0.61	<0.005	0.28	0.45	87.4	<0.2	10	150	0.68	0.33	0.02	2.70	14.00	22.8	13
M635963		0.75	0.005	3.18	0.85	157.5	<0.2	10	500	1.79	0.17	0.43	47.1	18.80	7.2	47
M635964		0.91	<0.005	9.96	0.25	28.3	<0.2	<10	1790	0.29	0.08	0.13	2.35	7.69	0.5	43
M635965		1.03	<0.005	3.37	0.50	62.5	<0.2	10	1980	0.78	0.09	0.23	1.64	10.00	0.8	51
M635966		0.83	<0.005	6.65	0.42	64.5	<0.2	<10	1010	0.58	0.09	0.12	1.90	6.72	0.8	33
M635967		2.25	<0.005	>100	0.10	3810	<0.2	<10	20	0.13	4.97	0.04	>1000	1.56	9.3	3
M635968		1.27	0.005	14.20	0.59	1965	<0.2	10	110	0.84	0.77	0.62	376	34.2	11.1	50
M635969		1.43	<0.005	29.7	0.43	1260	<0.2	<10	70	0.53	0.87	0.46	43.2	13.40	19.0	45
M635970		1.57	0.014	5.24	0.22	7300	<0.2	<10	50	0.27	0.77	0.24	107.0	5.14	10.3	16
M635971		1.63	0.014	23.1	0.20	8000	<0.2	<10	40	0.36	0.32	0.43	467	2.19	7.1	13
M635972		0.92	0.037	30.5	0.39	3150	<0.2	<10	80	0.90	1.97	0.75	50.0	2.97	46.5	259
M635973		1.09	<0.005	0.22	0.54	83.7	<0.2	10	90	1.68	0.03	0.15	1.78	1.44	105.0	1280
M635974		1.33	0.018	49.3	0.22	2360	<0.2	<10	20	0.32	3.46	0.41	35.9	1.72	48.2	183
M635975		0.80	<0.005	4.10	0.50	1870	<0.2	<10	630	0.78	5.00	0.08	3.15	4.80	5.1	28
M635976		1.06	<0.005	1.12	0.21	92.4	<0.2	<10	320	0.24	0.06	0.52	3.29	2.26	56.5	562
M635977		1.14	0.009	22.4	0.38	401	<0.2	<10	1080	0.28	9.79	0.05	0.68	23.7	1.1	10
M635978		1.17	<0.005	1.45	0.48	67.7	<0.2	<10	270	2.64	0.06	0.34	64.1	8.51	65.8	36
M635979		0.99	<0.005	0.97	0.08	855	<0.2	<10	70	0.36	0.01	2.57	5.21	0.44	50.9	199
M635980		1.14	<0.005	1.68	0.14	50.3	<0.2	<10	100	0.52	0.01	1.50	5.37	100	71.2	266
M635981		1.02	<0.005	1.30	0.16	1180	<0.2	<10	350	0.51	0.02	1.87	8.90	1.13	59.4	255
M635982		1.23	<0.005	1.46	0.06	1500	<0.2	<10	120	0.43	0.01	1.23	7.17	0.76	63.5	302
M635983		1.40	<0.005	1.84	0.20	766	<0.2	<10	370	0.39	0.05	0.95	13.25	6.48	20.9	212
M635985		1.16	0.005	5.40	0.29	175.0	<0.2	<10	340	0.44	0.12	0.71	4.41	18.15	4.7	57
M635986		1.45	<0.005	4.30	0.15	130.0	<0.2	<10	240	0.39	0.02	0.25	82.2	1.14	1.4	16
M635987		1.39	<0.005	25.0	0.30	116.5	<0.2	<10	110	0.72	0.10	6.09	162.5	4.92	1.7	16
M635988		1.24	0.005	92.2	0.21	85.8	<0.2	<10	130	0.29	0.60	0.23	35.1	7.74	0.5	12
M635989		1.23	<0.005	5.09	0.24	33.2	<0.2	<10	210	0.22	0.09	0.05	1.97	14.05	0.2	9
M635990		1.19	<0.005	4.38	0.18	13.0	<0.2	<10	230	0.15	0.08	0.03	1.87	11.85	0.1	7



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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 C/O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016-510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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**CERTIFICATE OF ANALYSIS WH14109752**

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	%
		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
M635961		0.95	21.2	1.04	1.16	0.05	0.08	0.15	0.018	0.17	9.3	0.9	0.03	275	0.94	<0.01
M635962		1.89	55.2	4.57	1.03	<0.05	0.06	0.13	0.045	0.20	6.3	0.6	0.02	1150	2.26	0.02
M635963		1.17	281	2.11	2.25	0.13	0.09	2.37	0.060	0.28	12.4	1.9	0.07	505	49.9	<0.01
M635964		0.34	42.9	0.85	1.31	0.05	0.11	2.08	0.225	0.11	5.7	1.1	0.03	46	30.4	<0.01
M635965		0.56	79.5	1.31	1.53	0.06	0.08	0.72	0.084	0.15	7.3	1.6	0.04	46	15.35	<0.01
M635966		0.36	77.2	0.88	1.12	<0.05	0.08	0.99	0.396	0.11	4.5	1.3	0.03	35	17.40	<0.01
M635967		0.84	>10000	1.02	3.01	0.08	<0.02	93.1	0.380	0.05	1.3	0.2	0.02	5770	0.55	<0.01
M635968		2.73	297	20.9	2.42	0.10	0.05	1.37	2.84	0.28	17.2	0.4	0.59	25000	1.33	<0.01
M635969		2.43	169.5	29.0	1.96	0.08	0.07	1.18	6.11	0.20	6.5	0.5	0.35	35500	0.22	<0.01
M635970		1.34	89.1	17.80	1.22	0.05	<0.02	2.23	3.65	0.13	2.6	0.4	0.29	29400	0.23	<0.01
M635971		0.97	155.5	23.3	2.38	0.08	0.02	45.7	5.42	0.11	0.9	0.3	0.19	>50000	0.44	<0.01
M635972		0.82	326	9.12	3.67	0.11	0.06	2.69	0.837	0.04	1.2	0.7	0.94	17550	2.82	<0.01
M635973		1.03	12.8	4.81	1.32	0.14	0.04	0.17	0.030	0.01	0.8	6.7	12.10	2090	0.89	<0.01
M635974		0.99	273	20.3	3.04	0.16	0.03	4.86	3.71	0.06	0.8	0.4	1.00	24300	1.78	<0.01
M635975		1.29	140.0	7.30	4.33	0.06	0.19	0.74	1.960	0.16	2.5	1.7	0.09	1760	11.15	<0.01
M635976		3.60	11.4	3.75	0.54	<0.05	0.02	0.40	0.050	0.01	1.3	2.8	17.55	1140	0.10	<0.01
M635977		0.46	8.1	0.95	3.98	0.06	0.40	4.82	0.240	0.20	13.2	2.6	0.11	106	14.10	<0.01
M635978		0.21	759	18.65	12.80	0.19	0.11	2.72	0.272	0.03	5.7	1.0	0.22	17700	23.8	<0.01
M635979		0.77	13.0	4.03	0.20	<0.05	<0.02	0.11	0.006	0.03	0.3	1.0	13.65	1820	1.19	<0.01
M635980		1.02	31.5	5.16	0.34	0.05	<0.02	0.20	0.005	0.03	0.2	1.5	17.10	2000	1.43	<0.01
M635981		1.26	10.8	4.29	0.30	<0.05	<0.02	0.14	0.021	0.08	0.7	1.3	13.40	2190	1.07	<0.01
M635982		0.42	21.0	4.85	0.21	<0.05	0.02	0.15	0.024	0.02	0.4	1.0	15.25	3960	0.59	<0.01
M635983		0.31	19.5	16.00	0.93	0.06	0.07	0.30	2.21	0.06	4.3	0.7	1.64	25000	6.96	<0.01
M635985		0.24	18.5	3.61	1.19	0.06	0.17	0.45	0.319	0.14	12.9	1.0	0.59	5700	6.77	<0.01
M635986		0.17	71.1	4.53	0.88	<0.05	0.03	9.22	0.897	0.03	0.6	0.4	0.69	27800	3.97	<0.01
M635987		0.13	110.0	3.87	0.89	0.05	0.09	5.92	0.159	0.07	2.3	0.5	2.76	20800	12.80	<0.01
M635988		0.14	47.7	0.82	0.65	0.05	0.07	4.80	0.119	0.10	3.8	0.6	0.13	1120	151.0	<0.01
M635989		0.12	4.1	0.46	0.76	<0.05	0.08	0.54	0.016	0.14	6.9	1.3	0.04	100	3.26	<0.01
M635990		0.10	2.5	0.27	0.61	<0.05	0.07	0.80	0.014	0.10	5.7	0.8	0.02	53	1.50	<0.01



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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 C/O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016-510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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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	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	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
M635961		0.06	28.5	240	158.0	9.9	0.001	0.16	2.92	0.9	5.6	0.3	12.3	<0.01	0.05	2.2
M635962		0.06	41.6	820	98.4	11.7	<0.001	0.01	2.89	5.1	1.7	0.2	10.7	<0.01	0.22	3.1
M635963		0.13	102.5	2050	392	16.5	0.020	0.04	26.4	5.6	31.7	1.3	141.0	<0.01	0.18	3.9
M635964		0.15	5.3	1840	633	5.2	0.044	0.11	25.0	1.5	12.7	1.3	151.5	<0.01	0.11	1.2
M635965		<0.05	18.7	3530	188.0	8.4	0.013	0.08	17.95	2.0	9.5	0.6	241	<0.01	0.13	1.7
M635966		0.06	27.0	2080	1790	5.8	0.009	0.08	38.5	1.4	10.2	1.8	200	<0.01	0.13	1.0
M635967		<0.05	8.8	350	>10000	3.2	<0.001	>10.0	>10000	0.8	10.2	61.1	24.6	<0.01	0.04	<0.2
M635968		0.08	21.5	3580	1400	15.0	<0.001	0.44	126.5	15.7	1.5	4.2	90.5	<0.01	<0.01	1.9
M635969		0.05	44.3	2350	3350	12.3	<0.001	0.12	119.5	14.1	0.8	1.5	108.0	<0.01	0.02	0.7
M635970		0.05	31.1	890	561	7.5	<0.001	0.15	22.3	8.2	0.9	1.6	75.9	<0.01	0.02	0.3
M635971		<0.05	15.9	890	6670	6.1	<0.001	0.37	292	9.6	5.0	14.8	125.5	<0.01	0.14	<0.2
M635972		<0.05	1130	920	1280	3.6	<0.001	0.91	76.3	4.2	26.1	3.8	240	<0.01	0.26	0.4
M635973		<0.05	1690	50	28.8	0.4	<0.001	0.02	0.33	7.1	0.2	0.2	10.5	<0.01	0.01	0.3
M635974		<0.05	1010	1230	>10000	4.9	0.001	2.72	108.0	2.8	46.0	6.3	39.3	<0.01	0.14	0.2
M635975		<0.05	109.0	690	165.0	9.2	0.009	0.08	17.85	3.1	11.6	3.4	90.7	<0.01	0.26	3.3
M635976		<0.05	831	30	274	1.8	<0.001	0.05	5.99	4.7	1.1	0.2	47.2	<0.01	0.02	0.6
M635977		<0.05	10.1	460	211	9.0	0.030	0.12	32.7	2.9	7.4	1.6	24.9	<0.01	0.40	3.7
M635978		<0.05	1830	1230	72.1	2.2	0.001	0.40	15.75	3.7	42.2	1.8	52.3	<0.01	0.04	0.7
M635979		<0.05	704	40	30.1	2.6	<0.001	0.08	18.25	3.8	0.8	0.2	160.5	<0.01	0.03	<0.2
M635980		<0.05	999	50	46.2	3.4	<0.001	0.06	8.31	5.0	1.8	0.2	75.7	<0.01	0.05	<0.2
M635981		<0.05	964	40	245	6.1	<0.001	0.05	12.90	4.2	1.0	0.4	121.0	<0.01	0.04	<0.2
M635982		<0.05	1045	30	94.0	2.5	<0.001	0.08	15.00	4.1	0.9	0.4	106.0	<0.01	0.04	<0.2
M635983		<0.05	650	620	202	3.7	0.003	0.06	21.5	3.8	3.5	1.6	88.3	<0.01	0.04	0.6
M635985		<0.05	142.5	1670	631	7.0	0.011	0.08	12.70	1.3	4.7	0.9	107.0	<0.01	0.11	1.6
M635986		<0.05	38.7	1010	859	1.4	0.001	0.57	10.15	4.3	6.3	9.9	78.9	<0.01	0.04	0.2
M635987		<0.05	36.4	1690	7080	3.7	0.003	0.19	31.6	7.3	6.8	5.3	252	<0.01	0.03	0.8
M635988		<0.05	6.7	290	>10000	4.7	0.015	0.34	72.5	1.3	12.2	6.9	21.6	<0.01	0.07	0.9
M635989		<0.05	2.7	60	794	5.5	0.007	0.08	6.04	0.9	3.2	1.2	5.8	<0.01	0.03	1.3
M635990		<0.05	1.3	30	404	4.0	0.004	0.06	3.17	0.5	2.5	1.2	5.2	<0.01	0.02	1.0



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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 C/O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016-510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Ag-OG46	Pb-OG46	Ag-GRA21	Cu-OG46	Zn-OG46	Pb-VOL70
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm	Pb %	Ag ppm	Cu %	Zn %
M635961		<0.005	0.10	1.01	16	0.07	2.15	264	3.5					
M635962		<0.005	0.14	0.51	17	<0.05	6.10	823	3.3					
M635963		0.005	0.44	17.10	648	0.71	37.4	925	10.0					
M635964		0.007	0.21	5.44	140	0.38	6.86	80	7.6					
M635965		<0.005	0.23	6.97	161	0.42	11.55	154	4.9					
M635966		<0.005	0.16	4.60	88	0.45	8.26	170	3.7					
M635967		<0.005	2.04	1.28	4	<0.05	1.20	>10000	<0.5	>1500	>20.0	1855	1.070	8.42 59.90
M635968		<0.005	0.39	0.29	76	0.28	12.65	>10000	2.9					1.845
M635969		<0.005	0.25	0.12	77	0.12	8.22	3530	1.3					
M635970		<0.005	0.14	0.08	31	0.12	4.97	7700	0.9					
M635971		<0.005	0.41	0.14	34	0.16	5.64	>10000	0.9					3.57
M635972		<0.005	0.18	2.42	98	0.12	18.15	1610	2.5					
M635973		<0.005	0.02	0.11	31	<0.05	1.41	300	1.4					
M635974		<0.005	0.12	1.34	46	0.44	6.51	1890	1.7		1.245			
M635975		<0.005	0.51	3.03	184	0.16	6.99	1170	8.4					
M635976		<0.005	<0.02	0.13	12	<0.05	0.73	198	0.6					
M635977		<0.005	1.15	2.84	47	0.48	2.32	49	19.0					
M635978		<0.005	0.42	50.5	161	0.30	39.5	>10000	19.3					1.955
M635979		<0.005	0.17	0.30	9	<0.05	0.94	635	<0.5					
M635980		<0.005	0.15	0.69	10	<0.05	0.85	545	0.5					
M635981		<0.005	0.19	0.18	10	<0.05	1.04	545	0.6					
M635982		<0.005	0.12	0.23	13	<0.05	1.59	552	0.8					
M635983		<0.005	0.47	1.34	36	0.17	4.62	1170	3.6					
M635985		<0.005	0.12	1.43	37	0.27	4.91	434	8.7					
M635986		<0.005	0.07	3.59	36	0.19	7.30	>10000	1.8					1.015
M635987		<0.005	0.08	5.57	35	0.22	20.4	8930	6.3					
M635988		<0.005	0.10	1.19	15	0.58	3.16	1190	3.6		2.21			
M635989		<0.005	0.06	0.38	15	0.15	1.06	157	3.2					
M635990		<0.005	0.04	0.38	11	0.14	0.76	80	2.5					



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 Account: MTT

Project: ROD

**CERTIFICATE OF ANALYSIS WH14109752**

	<b>CERTIFICATE COMMENTS</b>												
Applies to Method:	<p style="text-align: center;"><b>ANALYTICAL COMMENTS</b></p> <p>Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).            ME-MS41</p>												
Applies to Method:	<p style="text-align: center;"><b>LABORATORY ADDRESSES</b></p> <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: 25%;">CRU-31</td> <td style="width: 25%;">CRU-QC</td> <td style="width: 25%;">LOG-21</td> <td style="width: 25%;">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-21	PUL-31	PUL-QC	SPL-21	WEI-21					
CRU-31	CRU-QC	LOG-21	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: 25%;">Ag-GRA21</td> <td style="width: 25%;">Ag-OG46</td> <td style="width: 25%;">Au-AA24</td> <td style="width: 25%;">Cu-OG46</td> </tr> <tr> <td>ME-MS41</td> <td>ME-OG46</td> <td>Pb-OG46</td> <td>Pb-VOL70</td> </tr> <tr> <td>Zn-OG46</td> <td></td> <td></td> <td></td> </tr> </table>	Ag-GRA21	Ag-OG46	Au-AA24	Cu-OG46	ME-MS41	ME-OG46	Pb-OG46	Pb-VOL70	Zn-OG46			
Ag-GRA21	Ag-OG46	Au-AA24	Cu-OG46										
ME-MS41	ME-OG46	Pb-OG46	Pb-VOL70										
Zn-OG46													



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**CERTIFICATE WH14113785**

Project: Rod (Camp 2)

This report is for 89 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2014.

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-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Pb-VOL70	Pb by Titration	
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
ME-MS41	51 anal. aqua regia ICPMS	
Ag-OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES

To: STRATEGIC METALS LTD.  
 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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 Account: MTT

Project: Rod (Camp 2)

**CERTIFICATE OF ANALYSIS WH14113785**

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
M635992		0.88	0.18	0.12	7.7	<0.2	<10	2980	0.11	0.01	0.01	0.12	0.54	1.6	9	0.05
M635993		0.88	13.45	0.38	193.0	<0.2	20	4000	0.56	0.11	0.11	11.35	8.98	0.7	63	0.48
M635994		1.86	1.38	0.35	50.0	<0.2	<10	1780	0.49	0.03	0.56	131.5	7.60	20.1	39	0.29
M635995		0.87	5.01	0.69	131.5	<0.2	10	3140	0.62	0.17	1.51	3.79	12.85	1.9	48	0.16
M635996		1.41	2.17	0.34	66.5	<0.2	<10	2260	0.26	0.02	1.19	49.8	4.78	4.4	25	0.17
M635997		1.50	1.77	0.51	54.8	<0.2	<10	2120	1.00	0.05	0.04	4.26	6.50	17.2	21	0.11
M635998		0.98	0.06	0.53	1.6	<0.2	<10	3160	0.41	0.01	0.06	1.85	1.94	1.7	9	0.06
M635999		1.57	0.24	0.07	242	<0.2	<10	330	0.19	<0.01	1.27	0.24	5.37	47.9	222	1.00
M636000		1.56	0.09	0.08	72.9	<0.2	<10	1050	0.33	<0.01	0.21	0.08	0.33	48.5	277	1.40
M898751		1.31	0.91	0.77	4.8	<0.2	<10	190	0.08	6.88	0.03	0.22	0.91	8.1	17	0.40
M898752		1.56	0.38	0.35	21.5	<0.2	<10	2860	0.29	0.12	0.03	0.26	6.63	2.8	27	0.31
M898753		1.28	0.07	0.14	2.0	<0.2	<10	110	0.10	0.01	0.01	0.31	2.07	1.2	19	0.25
M898754		1.19	0.20	0.22	5.1	<0.2	<10	230	0.15	0.01	0.01	0.46	6.34	2.0	18	0.26
M898755		1.03	1.02	1.48	86.7	<0.2	<10	7100	1.21	0.05	0.04	2.03	6.42	0.7	103	0.80
M898756		1.13	0.51	0.10	43.1	<0.2	<10	>10000	0.24	0.01	8.89	3.73	3.19	0.9	20	0.37
M898757		1.08	1.35	0.01	54.9	<0.2	<10	>10000	<0.05	0.01	11.45	362	1.60	0.6	3	0.07
M898758		1.39	0.50	0.07	42.6	<0.2	<10	>10000	0.18	0.01	9.45	2.65	1.92	0.4	11	0.11
M898759		1.42	0.62	0.01	30.5	<0.2	<10	>10000	<0.05	0.01	11.95	80.8	2.86	1.1	2	0.07
M898760		1.44	10.70	0.14	456	<0.2	<10	>10000	0.22	0.01	7.01	233	5.08	4.7	9	0.13
M898761		1.60	4.67	0.61	200	<0.2	<10	>10000	0.95	0.03	0.98	25.7	3.88	4.6	34	0.23
M898762		1.09	1.44	2.53	278	<0.2	<10	3910	2.96	0.08	4.36	39.4	24.9	7.2	88	0.25
M898763		1.64	2.25	0.08	148.5	<0.2	<10	>10000	0.14	0.02	9.52	9.21	4.16	2.9	7	0.09
M898764		1.35	0.43	0.03	21.6	<0.2	<10	>10000	0.05	0.01	12.20	115.5	3.22	0.7	2	0.11
M898765		1.68	0.14	0.05	22.8	<0.2	<10	>10000	0.14	0.01	12.90	2.99	2.13	1.2	4	0.09
M898766		1.47	0.94	0.55	93.5	<0.2	<10	3830	0.62	0.06	0.16	2.13	3.32	1.2	17	0.12
M898767		0.86	9.55	0.34	192.0	<0.2	<10	1820	0.24	0.13	0.08	1.86	3.17	0.3	29	0.12
M898768		1.19	0.40	0.07	35.0	<0.2	<10	3440	0.07	0.12	0.05	2.03	1.35	0.3	17	0.16
M898769		1.00	0.29	0.07	13.7	<0.2	<10	1620	0.06	<0.01	0.07	3.19	0.58	0.7	16	0.06
M898770		1.08	9.69	0.48	232	<0.2	<10	2570	0.57	0.06	0.78	11.95	4.49	15.0	35	0.10
M898771		0.77	9.63	1.33	772	<0.2	<10	3200	2.12	0.03	0.66	32.7	11.35	54.8	56	0.12
M898772		1.50	1.54	0.15	91.6	<0.2	<10	4730	0.31	0.02	12.00	71.9	9.61	10.7	14	0.10
M898773		1.49	0.33	0.36	12.5	<0.2	<10	3570	0.26	0.01	0.23	10.70	0.87	2.1	12	0.06
M898774		1.46	0.26	0.14	176.5	<0.2	<10	>10000	0.22	0.02	0.45	6.09	5.67	5.1	10	0.08
M898775		1.12	0.96	0.26	1085	<0.2	<10	>10000	0.33	0.17	0.58	16.75	5.76	11.5	13	0.13
M898776		1.91	0.24	0.04	18.6	<0.2	<10	>10000	0.15	0.01	13.75	9.71	8.74	1.3	3	0.08
M898777		1.69	1.22	0.13	176.5	<0.2	<10	5460	0.11	0.01	>25.0	17.00	15.70	5.7	4	0.09
M898778		1.60	0.78	0.08	76.5	<0.2	<10	4650	0.18	0.02	24.9	11.10	3.12	2.7	3	0.11
M898779		0.86	0.27	0.01	15.4	<0.2	<10	>10000	0.05	0.01	11.00	5.17	1.06	0.9	2	0.05
M898780		1.21	1.05	0.22	52.7	<0.2	<10	2830	0.38	0.05	0.37	3.34	4.62	0.6	58	0.34
M898781		0.95	3.82	1.00	323	<0.2	<10	1720	2.09	0.05	0.23	12.90	6.61	1.9	34	0.52



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 Account: MTT

Project: Rod (Camp 2)

**CERTIFICATE OF ANALYSIS WH14113785**

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
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
M635992		227	2.10	0.29	<0.05	0.02	0.02	0.011	0.01	0.3	0.2	0.01	44	1.34	<0.01	<0.05
M635993		239	0.76	1.40	0.07	0.35	2.38	0.040	0.16	7.0	2.6	0.03	85	77.6	<0.01	1.02
M635994		338	0.77	20.1	0.07	0.08	31.8	0.272	0.09	8.7	3.0	0.11	924	13.75	<0.01	0.17
M635995		162.0	1.91	0.75	0.12	0.07	3.74	0.136	0.11	10.0	0.7	0.01	69	52.8	<0.01	<0.05
M635996		438	1.23	3.74	0.05	0.06	6.32	1.795	0.02	5.3	0.6	0.03	6010	18.20	<0.01	0.06
M635997		457	5.56	0.57	0.06	0.04	0.38	0.030	0.02	2.8	0.7	0.01	1260	7.92	<0.01	<0.05
M635998		91.5	1.27	0.44	<0.05	0.02	0.09	0.012	0.01	0.7	0.5	0.14	134	0.70	<0.01	<0.05
M635999		10.2	3.80	0.19	<0.05	<0.02	0.48	0.011	0.03	2.8	1.1	17.95	698	0.16	<0.01	<0.05
M636000		7.6	3.90	0.25	<0.05	<0.02	0.49	0.006	0.03	0.2	1.8	17.85	542	0.13	<0.01	<0.05
M898751		19.1	3.66	2.76	<0.05	0.02	0.17	0.005	0.06	0.4	17.7	0.28	276	5.78	0.01	<0.05
M898752		60.3	1.86	1.21	<0.05	0.02	0.17	0.019	0.08	3.4	1.1	0.06	122	2.78	<0.01	0.05
M898753		32.9	1.79	0.47	<0.05	0.02	0.13	0.013	0.06	1.4	0.2	0.03	76	0.33	<0.01	<0.05
M898754		48.3	2.57	0.52	<0.05	0.03	0.15	0.025	0.06	3.9	0.4	0.05	163	0.47	<0.01	<0.05
M898755		87.9	0.98	2.24	0.11	0.33	0.56	0.010	0.07	6.2	6.2	0.09	32	24.6	<0.01	0.39
M898756		29.0	0.22	0.32	<0.05	0.27	0.10	<0.005	0.02	4.6	2.4	1.47	64	4.42	<0.01	0.07
M898757		201	0.02	7.47	0.06	0.06	7.81	0.090	<0.01	2.2	0.8	0.33	551	0.51	<0.01	<0.05
M898758		29.9	0.16	0.35	<0.05	0.16	0.19	<0.005	0.02	2.8	1.9	3.22	86	8.07	<0.01	0.15
M898759		78.8	0.03	1.26	<0.05	0.06	2.20	0.015	<0.01	3.3	0.6	0.22	94	0.69	<0.01	0.07
M898760		1295	0.15	4.23	0.08	0.07	17.75	0.091	0.01	4.7	1.1	0.02	344	5.58	<0.01	0.45
M898761		439	0.65	1.36	0.05	0.18	1.53	0.015	0.05	3.4	2.4	0.03	339	26.6	<0.01	0.93
M898762		1480	3.64	1.03	0.27	0.04	0.72	0.017	0.07	27.8	3.0	0.03	104	105.0	<0.01	0.15
M898763		388	0.16	0.25	<0.05	0.12	0.32	<0.005	0.01	4.7	1.3	2.36	92	9.91	<0.01	0.27
M898764		45.3	0.04	2.98	<0.05	0.08	5.50	0.028	<0.01	3.3	0.8	0.20	95	1.58	<0.01	0.09
M898765		6.8	0.12	0.25	<0.05	0.14	0.05	<0.005	<0.01	3.4	2.0	1.00	52	3.86	<0.01	0.19
M898766		352	1.48	0.36	0.07	0.15	1.87	0.013	0.03	2.5	0.6	0.02	34	109.0	<0.01	0.05
M898767		251	0.84	0.35	0.20	0.10	6.34	0.063	0.06	2.3	0.4	0.01	21	67.4	<0.01	<0.05
M898768		27.7	0.34	0.11	0.05	0.02	0.96	0.008	0.01	1.1	0.5	0.01	25	6.48	<0.01	<0.05
M898769		17.6	0.37	6.72	<0.05	<0.02	6.94	0.062	0.01	0.5	0.2	0.03	97	3.36	<0.01	<0.05
M898770		339	1.60	2.60	0.06	0.10	4.20	0.246	0.02	4.7	0.4	0.19	1060	22.4	<0.01	0.06
M898771		951	7.92	1.37	0.13	0.02	1.68	0.348	0.04	13.0	0.7	0.01	3340	30.3	<0.01	0.10
M898772		96.7	0.51	0.57	<0.05	0.37	0.29	<0.005	0.03	7.6	1.0	6.31	4040	18.75	<0.01	0.95
M898773		31.1	0.60	0.26	<0.05	0.07	0.20	<0.005	0.01	0.6	0.2	0.11	211	3.05	<0.01	<0.05
M898774		51.9	0.83	0.70	0.10	0.15	0.24	0.006	<0.01	8.9	0.5	0.23	175	64.7	<0.01	0.41
M898775		107.0	3.68	0.92	0.29	0.12	0.64	0.014	0.02	5.0	1.2	0.04	118	156.0	<0.01	0.51
M898776		<0.2	0.21	0.32	<0.05	0.07	0.38	<0.005	<0.01	12.4	0.2	0.12	1660	8.57	<0.01	0.18
M898777		20.1	0.32	0.70	0.06	0.07	1.53	0.022	0.01	18.3	0.3	1.94	23900	26.1	<0.01	0.05
M898778		12.8	0.20	0.56	<0.05	0.10	0.85	0.016	0.01	3.2	0.4	3.79	20500	9.78	<0.01	0.06
M898779		24.9	0.04	0.27	<0.05	0.09	0.05	0.008	<0.01	2.6	0.3	0.53	439	2.79	<0.01	0.05
M898780		23.1	0.63	0.83	0.07	0.19	1.51	0.015	0.07	4.1	1.4	0.04	146	21.3	<0.01	0.77
M898781		436	1.77	5.05	0.14	0.17	2.39	0.090	0.05	5.9	0.9	0.02	182	223	<0.01	0.12



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

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

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**CERTIFICATE OF ANALYSIS WH14113785**

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
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		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	0.005
M635992		32.4	310	2.1	0.7	<0.001	0.09	1.66	0.4	1.4	<0.2	9.5	<0.01	<0.01	0.4	<0.005
M635993		42.3	550	343	13.3	0.293	0.08	115.0	3.1	8.8	0.8	59.8	<0.01	0.12	2.5	0.071
M635994		184.0	2050	25.1	7.5	0.009	0.12	8.52	12.6	14.6	0.7	150.5	<0.01	0.02	1.2	0.007
M635995		130.0	8420	891	6.8	0.053	0.09	46.9	3.0	33.4	5.8	807	<0.01	0.08	1.8	<0.005
M635996		277	5270	474	1.5	0.005	0.08	97.6	1.9	11.8	1.0	287	<0.01	0.04	0.4	<0.005
M635997		258	1630	4.7	1.6	<0.001	0.10	36.8	3.9	8.4	0.2	63.2	<0.01	0.08	0.4	<0.005
M635998		48.7	280	3.8	0.5	<0.001	0.09	1.11	1.8	0.8	<0.2	86.3	<0.01	<0.01	<0.2	<0.005
M635999		736	40	3.0	2.1	<0.001	0.03	5.32	5.0	0.2	<0.2	206	<0.01	0.01	0.3	<0.005
M636000		563	10	1.0	2.4	<0.001	0.05	5.67	6.1	<0.2	<0.2	23.7	<0.01	<0.01	<0.2	<0.005
M898751		11.4	170	265	3.5	<0.001	1.51	1.00	0.8	0.4	<0.2	6.0	<0.01	0.17	1.1	<0.005
M898752		23.0	440	11.0	4.5	0.003	0.10	17.95	2.4	2.3	0.2	12.3	<0.01	0.15	0.8	<0.005
M898753		13.7	80	1.3	3.2	<0.001	<0.01	0.45	1.5	1.8	0.2	4.0	<0.01	0.02	0.3	<0.005
M898754		23.4	240	3.3	2.7	<0.001	0.02	1.65	2.4	3.1	<0.2	21.4	<0.01	0.02	0.8	<0.005
M898755		98.5	490	4.0	7.7	0.125	0.04	14.00	3.1	26.7	0.2	23.5	<0.01	0.08	2.1	0.102
M898756		63.1	1680	1.1	1.7	0.031	<0.01	1.77	1.4	2.6	<0.2	3560	<0.01	0.06	0.3	<0.005
M898757		36.8	30	0.3	0.4	0.002	<0.01	20.1	0.4	17.4	0.2	2570	<0.01	0.02	<0.2	<0.005
M898758		22.3	310	2.4	2.1	0.021	<0.01	3.65	0.8	2.8	<0.2	3410	<0.01	0.01	0.3	<0.005
M898759		44.1	20	0.4	0.3	0.001	<0.01	8.49	0.2	3.7	<0.2	2850	<0.01	0.01	<0.2	<0.005
M898760		229	110	0.7	1.9	0.002	<0.01	64.2	1.8	18.8	0.4	1435	<0.01	0.02	<0.2	0.005
M898761		162.5	400	2.8	5.2	0.047	0.01	33.0	3.7	7.2	0.2	193.0	0.02	0.06	0.4	0.030
M898762		656	>10000	7.4	5.7	0.107	0.05	22.7	8.4	18.2	0.3	886	0.01	0.14	2.5	<0.005
M898763		296	280	1.9	1.7	0.007	<0.01	18.65	0.8	3.1	<0.2	2950	<0.01	0.01	0.2	<0.005
M898764		40.6	40	0.4	0.4	<0.001	<0.01	6.13	0.3	7.9	<0.2	3530	<0.01	<0.01	<0.2	<0.005
M898765		39.0	280	1.1	1.2	0.004	<0.01	0.73	0.5	1.0	<0.2	3500	<0.01	0.04	0.2	<0.005
M898766		118.0	620	189.0	2.1	0.050	0.03	10.15	2.4	18.6	0.2	60.8	<0.01	0.03	0.7	<0.005
M898767		25.6	1060	4000	3.0	0.013	0.15	66.4	2.3	77.1	0.6	79.5	<0.01	0.10	0.9	<0.005
M898768		17.7	300	191.5	0.5	0.004	0.08	3.88	0.9	14.9	<0.2	38.7	<0.01	0.01	0.2	<0.005
M898769		13.9	110	17.1	0.9	<0.001	0.05	2.99	0.3	1.6	0.5	15.1	<0.01	<0.01	<0.2	<0.005
M898770		138.5	3300	1115	1.5	0.002	0.05	135.0	3.3	9.9	0.4	203	<0.01	0.10	0.6	<0.005
M898771		655	9040	1110	2.6	0.004	0.06	121.0	7.5	16.5	0.6	362	<0.01	0.16	1.0	<0.005
M898772		313	980	16.1	2.1	0.001	0.06	21.3	8.3	3.1	<0.2	1680	<0.01	0.06	0.5	0.023
M898773		119.5	150	2.7	0.5	0.005	0.08	2.38	1.1	3.0	<0.2	62.8	<0.01	0.02	0.2	<0.005
M898774		908	680	3.1	0.5	0.075	<0.01	9.35	1.2	24.8	<0.2	6440	<0.01	0.13	0.2	0.007
M898775		1935	1030	34.6	1.6	0.059	0.01	73.9	1.7	108.0	<0.2	2830	<0.01	0.27	0.4	0.010
M898776		98.1	430	288	0.4	0.009	<0.01	3.17	0.7	4.1	<0.2	4310	<0.01	0.02	<0.2	<0.005
M898777		534	700	63.5	0.4	0.007	0.08	19.90	0.9	4.5	0.2	2810	<0.01	0.04	0.4	<0.005
M898778		116.0	780	25.4	0.5	0.003	0.07	6.17	0.9	3.0	<0.2	2710	<0.01	0.05	0.2	<0.005
M898779		43.4	190	22.4	0.2	0.003	<0.01	3.90	0.3	1.6	<0.2	4330	<0.01	0.02	<0.2	<0.005
M898780		30.0	1250	46.0	4.3	0.058	0.12	7.43	2.2	15.1	0.4	137.5	<0.01	0.08	1.6	0.048
M898781		222	1750	890	4.4	0.041	0.04	73.5	2.8	27.3	4.8	58.7	<0.01	0.09	1.3	0.006



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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 C/O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016-510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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**CERTIFICATE OF ANALYSIS WH14113785**

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Ag-OG46	Pb-OG46	Ag-GRA21	Zn-OG46	Pb-VOL70	Au-AA26
	Analyte	TI	U	V	W	Y	Zn	Zr	Ag	Pb	Ag	Zn	Pb	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm
	LOR	0.02	0.05	1	0.05	0.05	2	0.5	1	0.001	5	0.001	0.01	0.01
M635992		<0.02	0.77	30	0.21	0.82	245	1.4						<0.01
M635993		0.67	13.45	1820	1.03	6.66	310	12.7						0.01
M635994		0.39	9.44	347	0.11	21.5	>10000	15.3				1.160		<0.01
M635995		0.06	9.78	95	0.22	18.10	550	5.1						<0.01
M635996		0.17	7.93	166	0.17	15.60	1310	3.9						<0.01
M635997		0.06	8.80	51	0.14	11.60	2250	4.7						<0.01
M635998		<0.02	1.89	5	<0.05	3.94	284	0.9						<0.01
M635999		0.02	0.11	8	0.05	0.69	18	<0.5						0.02
M636000		0.02	0.06	7	0.12	0.44	11	<0.5						<0.01
M898751		0.02	0.13	8	<0.05	0.64	57	0.9						<0.01
M898752		0.02	0.77	27	0.08	2.01	122	1.0						<0.01
M898753		0.02	0.24	16	0.05	1.04	75	0.7						<0.01
M898754		0.02	0.40	19	<0.05	2.16	127	1.7						<0.01
M898755		0.40	14.70	1440	0.47	8.70	221	18.2						0.01
M898756		0.07	3.32	116	0.06	20.5	382	21.3						<0.01
M898757		0.06	2.18	65	<0.05	6.29	>10000	1.3				3.91		<0.01
M898758		0.14	5.60	219	0.26	16.10	175	8.8						<0.01
M898759		0.02	1.38	17	0.25	17.15	7320	1.1						<0.01
M898760		0.38	3.10	577	0.11	19.40	>10000	4.9				3.39		<0.01
M898761		0.41	6.43	1170	0.47	18.50	2700	8.3						<0.01
M898762		0.22	98.7	958	0.70	146.5	2770	4.3						<0.01
M898763		0.21	7.27	211	0.23	20.2	622	8.0						<0.01
M898764		0.14	1.62	35	0.13	20.1	>10000	1.5				1.265		<0.01
M898765		0.83	7.30	103	0.20	23.7	194	11.4						<0.01
M898766		0.14	26.4	159	0.23	12.25	633	14.4						<0.01
M898767		0.35	17.65	517	0.20	4.96	181	7.4						<0.01
M898768		0.04	6.98	82	0.06	1.88	165	2.3						<0.01
M898769		0.19	1.83	98	0.05	0.70	129	0.6						<0.01
M898770		0.57	20.2	361	0.11	18.90	697	14.7						0.02
M898771		2.65	70.0	632	0.29	46.0	4590	2.9						0.01
M898772		0.79	4.47	389	0.24	28.1	5270	28.4						<0.01
M898773		0.05	3.28	18	<0.05	4.14	665	7.0						<0.01
M898774		2.69	17.10	247	0.26	29.7	663	7.0						<0.01
M898775		12.30	13.25	290	0.65	19.95	2150	8.5						<0.01
M898776		0.49	2.07	69	0.14	34.5	869	2.7						<0.01
M898777		0.17	4.91	119	0.14	40.3	2590	6.5						<0.01
M898778		0.22	2.95	124	0.12	4.95	1540	7.0						<0.01
M898779		0.18	1.82	43	<0.05	15.10	140	4.1						<0.01
M898780		0.31	8.62	628	0.26	7.88	190	14.7						<0.01
M898781		0.28	20.4	595	0.79	25.0	1100	14.5						<0.01



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

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 1016-510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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**CERTIFICATE OF ANALYSIS WH14113785**

Sample Description	Method	WEI-21	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 Units LOR	Recvd Wt. kg	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
M898782		1.02	7.69	0.81	693	<0.2	<10	4650	0.59	0.21	0.29	49.7	4.60	19.1	69	0.35
M898783		0.85	3.38	0.59	514	<0.2	<10	1170	0.52	0.06	0.19	17.30	4.94	65.3	55	0.37
M898784		1.22	3.41	0.61	272	<0.2	10	1290	0.65	0.09	2.11	11.85	16.40	3.4	74	0.54
M898785		1.09	0.85	1.56	75.2	<0.2	<10	>10000	1.05	0.09	0.17	6.09	11.80	2.2	76	0.99
M898786		0.82	1.43	0.93	423	<0.2	<10	2510	1.06	0.16	0.33	9.10	8.86	5.6	47	0.37
M898787		0.57	2.08	1.76	116.0	<0.2	<10	>10000	1.13	0.12	5.76	171.0	26.0	28.5	67	0.58
M898788		1.38	1.08	0.87	194.5	<0.2	<10	880	0.60	0.02	0.19	13.40	4.43	0.5	39	0.43
M898789		1.10	0.96	1.47	119.0	<0.2	<10	>10000	1.32	0.06	1.13	18.55	22.9	8.9	75	0.95
M898790		1.27	0.52	0.14	15.1	<0.2	30	3710	0.58	0.01	13.80	41.3	7.58	3.5	36	0.18
M898791		1.28	0.50	0.11	20.5	<0.2	<10	3160	0.40	0.01	12.40	138.0	5.48	4.7	43	0.15
M898792		0.95	7.23	0.39	1090	<0.2	10	1410	0.65	0.86	0.25	15.75	12.00	9.6	45	0.78
M898793		1.77	0.57	0.38	108.5	<0.2	<10	>10000	0.48	0.05	2.41	15.05	6.78	7.7	17	0.39
M898794		1.01	1.20	1.61	185.5	<0.2	<10	>10000	1.40	0.12	0.12	4.99	11.10	1.6	87	0.91
M898795		1.16	1.42	0.79	160.0	<0.2	10	5490	0.85	0.09	0.10	4.14	11.15	3.3	73	0.73
M898796		1.28	0.47	0.10	131.5	<0.2	<10	>10000	0.12	0.02	24.9	14.75	13.35	3.0	5	0.11
M898797		2.02	1.49	0.45	367	<0.2	<10	5460	0.52	0.03	19.35	98.8	12.55	11.8	6	0.13
M898798		1.31	6.29	0.85	377	<0.2	<10	3850	1.06	0.12	0.46	14.00	14.15	3.1	118	0.63
M898799		1.06	0.44	0.87	25.2	<0.2	<10	2980	0.46	0.01	0.04	5.74	2.93	0.6	19	0.07
M898800		1.54	0.46	0.38	64.7	<0.2	<10	5030	0.98	0.04	11.85	144.0	16.05	14.7	21	0.33
M898801		0.90	1.43	0.28	77.4	<0.2	<10	3250	0.51	0.06	0.54	8.40	6.91	0.8	58	0.23
M898802		0.54	>100	0.13	64.5	<0.2	<10	10	0.05	3.85	0.02	55.3	2.09	0.3	8	<0.05
M898803		1.27	6.15	0.45	415	<0.2	<10	3360	0.69	0.07	1.19	84.8	25.9	32.4	30	0.16
M898804		0.72	6.37	0.53	593	<0.2	<10	3310	1.03	0.06	1.58	116.5	17.35	47.1	33	0.12
M898805		1.30	9.11	0.26	241	<0.2	<10	2540	0.45	0.08	1.29	32.3	6.85	4.7	49	0.20
M898806		1.34	8.89	0.48	106.0	<0.2	10	3280	0.64	0.04	0.80	5.94	7.12	0.7	142	0.65
M898807		2.09	1.97	0.86	161.5	<0.2	10	2650	1.20	0.07	4.41	18.75	17.85	2.3	158	0.46
M898808		0.74	0.82	0.16	59.1	<0.2	<10	>10000	0.44	0.01	10.80	113.0	4.78	5.9	64	0.17
M898809		2.08	3.03	1.25	341	<0.2	10	2160	1.67	0.13	6.02	12.45	29.8	2.3	259	0.65
M898810		1.79	6.48	0.68	172.0	<0.2	<10	2520	1.00	0.09	1.19	4.35	17.15	2.1	163	0.48
M898811		2.86	2.47	1.48	194.0	<0.2	10	5700	1.42	0.11	3.11	18.70	21.5	5.3	88	0.92
M898812		2.56	1.13	0.17	120.5	<0.2	<10	3560	0.21	0.01	0.33	7.08	2.72	13.3	26	0.10
M898813		2.14	3.71	0.77	169.5	<0.2	30	4230	1.04	0.11	2.66	15.45	16.90	1.4	124	0.72
M898814		2.31	2.60	0.48	471	<0.2	20	3070	0.70	0.11	1.02	15.15	12.75	3.0	88	0.45
M898815		2.25	2.52	0.59	583	<0.2	30	3960	0.85	0.12	1.17	21.7	14.30	2.8	88	0.42
M898816		1.80	1.04	0.28	314	<0.2	10	3660	0.33	0.05	0.05	15.05	6.36	9.8	30	0.22
M898817		2.17	1.54	0.82	186.5	<0.2	10	4110	0.75	0.09	1.03	9.91	11.70	2.5	71	0.39
M898818		1.88	2.30	0.58	137.5	<0.2	10	2880	0.36	0.10	1.25	7.31	12.85	2.0	54	0.37
M898819		1.64	4.54	0.45	257	<0.2	<10	2430	0.60	0.05	0.91	40.2	7.04	5.7	43	0.28
M898820		2.23	9.49	0.81	362	<0.2	10	2810	1.09	0.05	1.90	212	11.05	11.6	53	0.42
M898821		2.59	5.94	0.85	208	<0.2	<10	1910	1.26	0.14	0.57	20.1	12.65	5.7	93	0.93

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



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

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 1016-510 W HASTINGS ST  
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**CERTIFICATE OF ANALYSIS WH14113785**

Sample Description	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	ME-MS41
	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	
	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	0.05	
M898782	320	2.13	0.98	0.07	0.15	1.19	1.020	0.11	2.8	1.0	0.02	969	517	<0.01	<0.05	
M898783	185.5	2.06	0.77	0.05	0.13	1.92	0.975	0.07	3.1	1.1	0.02	2560	86.2	<0.01	0.05	
M898784	144.5	1.50	1.19	0.11	0.04	1.28	0.502	0.14	12.8	1.8	0.03	166	114.5	<0.01	0.12	
M898785	90.5	1.33	3.33	0.12	0.35	0.55	0.024	0.12	7.9	4.1	0.05	48	78.7	<0.01	0.08	
M898786	201	3.65	2.46	0.19	0.16	1.18	0.027	0.05	9.9	2.2	0.02	100	253	<0.01	0.22	
M898787	101.0	1.65	10.00	0.22	0.03	10.10	0.271	0.07	39.9	3.3	0.48	2200	99.7	<0.01	0.13	
M898788	4940	0.73	13.05	0.30	0.12	11.50	0.155	0.04	3.5	1.7	0.02	64	16.45	<0.01	0.08	
M898789	296	1.25	4.83	0.20	0.16	1.32	0.026	0.09	22.5	4.7	0.38	590	78.5	<0.01	0.15	
M898790	34.4	0.49	1.18	<0.05	0.14	0.29	0.005	0.02	10.4	2.8	7.55	3340	12.80	<0.01	0.51	
M898791	59.1	0.54	6.07	0.05	0.22	4.91	0.042	0.02	6.5	2.3	7.01	4260	9.29	<0.01	0.61	
M898792	92.4	4.98	3.76	0.34	0.19	3.28	0.033	0.08	15.7	4.7	0.09	240	281	<0.01	3.12	
M898793	49.2	0.85	1.54	0.05	0.20	0.44	0.009	0.03	6.1	3.0	0.59	524	52.1	<0.01	1.34	
M898794	110.5	0.97	4.87	0.06	0.37	0.60	0.010	0.15	8.0	6.5	0.14	60	59.2	<0.01	1.33	
M898795	207	0.96	2.31	0.06	0.24	0.92	0.041	0.14	9.0	5.2	0.08	137	51.1	<0.01	1.31	
M898796	25.8	0.26	0.93	0.05	0.10	0.75	0.005	0.01	12.0	0.4	0.96	11400	19.10	<0.01	0.09	
M898797	73.1	1.19	0.98	0.07	0.11	1.41	0.167	0.01	12.7	0.5	5.55	23800	28.8	<0.01	0.05	
M898798	162.0	1.64	1.76	0.11	0.21	2.12	0.136	0.16	13.8	4.7	0.12	365	54.6	<0.01	0.77	
M898799	26.0	0.69	1.85	0.21	0.04	5.33	0.127	0.01	2.7	0.3	0.04	56	9.06	<0.01	0.12	
M898800	70.6	1.36	1.91	0.11	0.23	2.88	0.075	0.06	14.1	4.2	5.19	8300	50.9	<0.01	0.55	
M898801	51.7	0.73	0.84	0.08	0.17	1.47	0.022	0.11	7.3	1.3	0.03	86	19.70	<0.01	0.59	
M898802	689	0.24	0.20	0.68	0.02	5.30	4.23	<0.01	1.5	0.2	0.01	48	26.0	<0.01	<0.05	
M898803	397	2.11	1.82	0.14	0.04	2.19	0.216	0.08	29.3	1.8	0.51	4300	81.0	<0.01	0.28	
M898804	519	5.71	1.59	0.11	0.11	1.31	2.24	0.06	13.7	1.1	0.79	9790	94.2	<0.01	0.15	
M898805	174.0	1.28	3.54	0.07	0.16	4.59	0.226	0.07	6.9	1.7	0.57	1180	39.9	<0.01	0.19	
M898806	39.7	0.76	5.41	0.10	0.29	9.02	0.117	0.18	8.0	5.6	0.07	123	14.65	<0.01	0.63	
M898807	184.0	1.20	1.39	0.15	0.04	0.44	0.023	0.28	19.5	4.5	0.18	136	31.1	<0.01	0.22	
M898808	252	0.44	0.62	<0.05	0.22	0.48	<0.005	0.03	6.4	2.9	6.57	837	4.43	<0.01	0.41	
M898809	197.5	2.47	2.01	0.25	0.04	2.12	0.033	0.49	39.2	5.9	0.06	43	105.0	<0.01	0.95	
M898810	158.5	1.48	1.31	0.12	0.09	1.42	0.026	0.20	13.9	5.7	0.05	65	52.3	<0.01	0.66	
M898811	272	2.27	3.43	0.12	0.02	0.58	0.029	0.14	17.7	3.3	0.12	400	22.8	<0.01	0.67	
M898812	61.1	1.31	2.99	<0.05	0.04	1.43	0.060	0.01	2.6	0.1	<0.01	1020	5.30	<0.01	<0.05	
M898813	140.5	1.08	1.90	0.12	0.11	1.02	0.070	0.25	18.0	1.9	0.04	158	33.4	<0.01	0.63	
M898814	101.0	0.95	1.49	0.11	0.12	0.78	0.030	0.17	13.0	2.0	0.03	389	39.3	<0.01	0.75	
M898815	127.5	1.55	1.51	0.12	0.10	0.59	0.035	0.17	14.3	1.8	0.03	259	81.9	<0.01	0.70	
M898816	64.7	0.87	0.72	0.05	0.17	0.39	<0.005	0.06	5.7	0.9	0.01	933	64.9	<0.01	0.34	
M898817	86.8	1.48	1.59	0.12	0.12	0.31	0.016	0.14	8.5	2.2	0.03	206	68.6	<0.01	0.75	
M898818	89.8	1.65	0.94	0.11	0.11	0.15	0.013	0.18	8.1	1.3	0.03	102	11.35	<0.01	0.06	
M898819	234	1.80	0.73	0.09	0.10	2.88	1.080	0.11	5.9	0.7	0.02	2060	42.2	<0.01	0.05	
M898820	476	2.26	1.40	0.11	0.10	5.81	2.27	0.12	8.3	0.8	0.11	10100	106.0	<0.01	0.07	
M898821	247	1.97	2.37	0.14	0.07	2.00	0.230	0.20	11.1	4.2	0.09	729	61.5	<0.01	0.65	



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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**CERTIFICATE OF ANALYSIS WH14113785**

Sample Description	Method Analyte Units LOR	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	ME-MS41 Ti %
			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
M898782		231	1600	9360	7.2	0.023	0.09	2480	3.7	17.3	2.7	155.0	<0.01	0.12	1.1	<0.005
M898783		233	1390	1090	5.8	0.030	0.03	272	3.8	7.5	2.8	92.8	<0.01	0.10	1.1	<0.005
M898784		124.5	>10000	1825	10.5	0.058	0.04	319	4.6	14.2	3.2	538	<0.01	0.12	1.4	0.006
M898785		158.0	920	84.6	9.8	0.132	0.04	28.4	6.3	37.5	0.3	89.4	<0.01	0.16	2.5	0.015
M898786		806	2210	17.2	4.0	0.152	0.11	38.5	3.2	64.0	0.2	211	<0.01	0.61	0.6	0.009
M898787		3860	6750	13.1	6.2	0.085	0.03	14.55	5.8	41.6	2.3	884	<0.01	0.26	1.7	0.008
M898788		47.1	950	13.8	4.4	0.035	0.22	14.80	1.3	69.2	1.8	95.5	<0.01	0.05	0.9	0.006
M898789		478	2460	15.9	8.9	0.117	0.03	10.75	6.0	53.7	0.4	284	<0.01	0.16	2.1	0.022
M898790		191.0	1740	13.0	2.0	0.004	0.05	8.44	2.2	4.3	<0.2	1345	<0.01	0.04	0.4	0.015
M898791		146.5	3420	10.7	2.1	0.002	0.07	9.78	7.9	10.7	0.7	1530	<0.01	0.05	0.4	0.015
M898792		1830	1760	139.5	7.0	0.073	0.09	51.2	2.1	116.0	0.7	439	0.03	1.45	1.1	0.107
M898793		1040	740	23.2	3.9	0.021	<0.01	13.00	1.8	11.3	<0.2	3680	0.02	0.10	0.5	0.026
M898794		197.0	540	45.1	13.8	0.018	0.03	35.3	4.4	7.7	<0.2	85.6	0.01	0.23	2.4	0.117
M898795		88.5	710	87.4	12.9	0.015	0.07	38.3	3.9	10.6	0.5	121.5	<0.01	0.16	2.1	0.081
M898796		201	620	117.0	0.7	0.003	0.01	7.42	1.7	9.6	<0.2	3900	<0.01	0.04	0.2	<0.005
M898797		571	1580	64.3	0.7	0.009	0.06	29.8	1.7	8.7	1.4	1555	<0.01	0.08	0.5	<0.005
M898798		216	2550	90.8	12.3	0.011	0.10	80.5	4.8	12.9	0.9	447	<0.01	0.21	2.7	0.045
M898799		116.0	1120	6.5	0.5	0.005	0.10	7.72	0.9	88.2	0.3	26.0	<0.01	0.01	0.7	<0.005
M898800		385	1540	18.8	5.6	0.029	0.06	31.7	9.0	14.7	0.4	483	<0.01	0.06	1.1	0.019
M898801		41.6	2910	90.5	5.9	0.192	0.12	12.55	2.4	13.9	0.5	293	<0.01	0.06	1.3	0.025
M898802		53.0	310	>10000	0.4	0.001	>10.0	4750	0.5	340	135.5	14.7	<0.01	1.67	<0.2	<0.005
M898803		1195	1680	884	6.6	0.026	0.09	49.1	15.5	23.5	1.0	249	<0.01	0.13	1.9	0.005
M898804		1455	1960	994	4.5	0.020	0.09	231	7.8	17.1	0.8	316	<0.01	0.08	0.9	<0.005
M898805		137.5	1750	512	6.0	0.019	0.09	151.0	3.9	15.4	1.0	300	<0.01	0.07	1.0	<0.005
M898806		62.7	3800	1135	17.5	0.079	0.09	18.10	23.7	18.1	0.7	256	<0.01	0.06	0.9	0.028
M898807		156.5	>10000	81.2	15.1	0.182	0.07	7.12	5.7	25.1	0.3	801	<0.01	0.14	2.6	0.010
M898808		194.0	2230	11.6	3.1	0.024	0.03	7.41	3.0	2.8	<0.2	2020	<0.01	0.05	0.4	0.015
M898809		212	>10000	64.5	23.6	0.257	0.09	20.5	9.8	29.7	1.8	1025	<0.01	0.24	4.7	0.028
M898810		150.5	6890	669	13.6	0.235	0.09	16.05	7.2	17.6	0.6	389	<0.01	0.16	3.6	0.021
M898811		179.5	>10000	115.5	11.6	0.018	0.05	22.2	5.7	14.1	0.4	874	<0.01	0.23	3.6	0.023
M898812		74.9	2480	72.0	0.7	0.002	0.08	10.05	1.1	2.6	0.2	61.3	<0.01	0.10	0.2	<0.005
M898813		45.2	>10000	469	18.0	0.008	0.11	18.45	4.8	11.7	1.3	714	<0.01	0.20	3.2	0.028
M898814		64.1	5690	246	12.0	0.006	0.06	18.20	4.0	14.1	0.4	378	<0.01	0.18	2.6	0.035
M898815		106.0	6400	375	11.6	0.006	0.08	24.2	4.8	18.5	0.4	431	<0.01	0.17	2.8	0.026
M898816		128.5	350	78.3	4.4	0.015	0.07	12.70	2.8	9.2	<0.2	48.3	<0.01	0.07	1.1	0.014
M898817		125.5	5650	26.2	9.1	0.175	0.05	8.77	3.8	34.3	0.2	352	<0.01	0.13	2.8	0.049
M898818		105.5	7830	20.0	9.9	0.063	0.08	12.00	4.9	26.6	0.2	475	<0.01	0.19	3.2	0.005
M898819		123.5	4930	565	6.2	0.037	0.10	61.6	2.8	17.6	2.3	269	<0.01	0.15	1.4	<0.005
M898820		269	9010	913	8.6	0.026	0.06	54.8	4.3	20.1	4.7	357	<0.01	0.14	1.8	<0.005
M898821		166.0	3520	462	14.3	0.067	0.11	38.6	5.4	29.1	1.2	252	<0.01	0.18	2.6	0.044



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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**CERTIFICATE OF ANALYSIS WH14113785**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Ag-OG46	Pb-OG46	Ag-GRA21	Zn-OG46	Pb-VOL70	Au-AA26
		Tl	U	V	W	Y	Zn	Zr	Ag	Pb	Ag	Zn	Pb	Au
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm
		0.02	0.05	1	0.05	0.05	2	0.5	1	0.001	5	0.001	0.01	0.01
M898782		1.65	32.6	2350	0.60	14.40	1060	10.2						<0.01
M898783		2.14	17.00	1420	0.48	13.75	954	9.4						<0.01
M898784		0.64	20.9	1400	0.52	56.0	498	9.0						<0.01
M898785		0.74	7.41	2050	0.51	9.56	795	15.6						<0.01
M898786		40.0	13.45	1190	2.81	17.60	1020	14.8						0.01
M898787		3.15	13.10	1080	0.89	51.8	>10000	3.7				3.53		<0.01
M898788		1.06	3.68	2500	0.25	4.23	2020	5.1						<0.01
M898789		1.71	9.26	2010	0.54	32.5	2540	15.2						<0.01
M898790		0.30	2.33	381	0.08	23.3	2490	13.9						<0.01
M898791		0.23	8.70	505	0.09	38.6	9170	33.4						<0.01
M898792		90.2	17.50	1350	1.07	15.00	2170	21.0						0.02
M898793		3.45	7.03	529	0.39	23.4	1580	11.2						<0.01
M898794		2.08	14.10	2500	1.12	9.72	438	20.8						<0.01
M898795		1.55	9.05	2230	0.72	8.55	282	14.4						0.01
M898796		0.45	6.86	153	0.17	24.8	1030	9.8						<0.01
M898797		0.37	12.00	264	0.29	39.6	8780	10.4						<0.01
M898798		1.33	20.5	1460	0.76	28.4	789	18.5						0.02
M898799		0.10	11.05	74	0.07	5.87	578	2.0						<0.01
M898800		0.56	13.45	737	0.39	65.2	>10000	31.1				1.125		<0.01
M898801		0.35	14.65	559	0.39	15.75	250	10.7						<0.01
M898802		1.84	11.35	113	0.06	1.85	995	1.6	>1500	>20.0	4410		79.48	0.11
M898803		1.63	41.8	530	0.47	51.7	4710	20.4						0.01
M898804		1.84	40.3	493	0.53	39.5	>10000	26.2				1.350		0.01
M898805		0.56	13.35	549	0.31	13.85	1760	17.3						0.01
M898806		0.18	8.90	3100	0.24	12.80	642	17.8						<0.01
M898807		0.18	29.6	633	0.36	57.8	741	5.7						<0.01
M898808		0.18	3.59	441	0.09	21.5	3100	19.8						<0.01
M898809		1.12	68.0	1320	1.02	101.0	637	5.6						<0.01
M898810		0.50	20.3	1390	0.50	35.9	482	10.2						<0.01
M898811		0.60	20.1	558	0.44	43.1	806	4.2						0.01
M898812		0.57	6.77	146	0.11	5.29	506	4.2						<0.01
M898813		0.89	25.7	980	0.57	43.9	493	13.0						0.02
M898814		2.16	15.40	963	0.61	24.3	398	12.0						0.01
M898815		3.57	18.55	820	0.83	29.6	618	10.8						0.01
M898816		4.02	9.87	436	0.67	8.15	338	9.5						<0.01
M898817		0.65	13.30	895	0.75	17.70	425	6.9						<0.01
M898818		0.24	5.22	110	0.20	18.70	459	7.0						<0.01
M898819		0.51	11.05	369	0.29	19.75	1080	8.4						0.02
M898820		0.33	21.7	792	0.51	36.4	4890	12.3						0.03
M898821		1.04	16.60	1740	0.75	22.9	1110	9.9						0.01

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 Finalized Date: 13-AUG-2014  
 Account: MTT

Project: Rod (Camp 2)

**CERTIFICATE OF ANALYSIS WH14113785**

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR															
M898822		0.02	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
M898823		1.18	0.48	0.30	31.6	<0.2	<10	1940	0.26	0.03	0.04	1.28	3.26	0.7	26	0.37
M898824		1.28	2.70	1.29	80.1	<0.2	<10	4940	0.26	0.12	1.48	11.05	12.25	1.6	29	0.57
M898825		1.47	1.81	0.39	55.9	<0.2	<10	3280	0.11	0.07	0.03	7.75	6.77	0.8	22	0.17
M898826		1.47	7.00	0.04	91.5	<0.2	<10	2820	0.19	0.04	4.78	62.0	3.50	1.9	20	0.09
M898827		0.91	9.94	0.38	156.5	<0.2	<10	1110	0.16	0.22	0.47	1.06	19.75	0.5	15	0.17
M898828		1.40	0.08	0.05	2.2	<0.2	<10	270	<0.05	0.03	0.87	0.22	0.42	0.8	12	<0.05
M898829		1.56	0.56	0.05	31.9	<0.2	<10	6450	<0.05	0.01	0.85	134.5	4.91	2.6	11	0.07
M898830		1.23	0.81	0.20	33.5	<0.2	<10	>10000	0.22	0.02	3.37	147.5	8.44	6.8	21	0.47
		1.32	0.69	0.02	13.0	<0.2	<10	780	<0.05	0.03	>25.0	0.96	12.35	0.6	1	0.06

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



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 North Vancouver BC V7H 0A7  
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 Account: MTT

Project: Rod (Camp 2)

**CERTIFICATE OF ANALYSIS WH14113785**

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	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
Units		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
LOR		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	0.05
M898822		51.3	0.62	9.55	0.10	0.06	4.60	0.100	0.05	2.8	1.5	0.02	69	19.00	<0.01	0.27
M898823		72.7	1.35	1.71	0.10	0.08	0.31	0.038	0.04	7.7	0.6	0.02	150	5.58	<0.01	<0.05
M898824		45.9	1.07	1.43	<0.05	0.13	0.79	0.031	0.05	4.0	0.4	0.01	100	3.83	<0.01	<0.05
M898825		166.5	0.36	7.26	<0.05	0.05	7.70	0.338	0.01	2.6	0.6	2.76	370	1.45	<0.01	<0.05
M898826		83.3	1.17	1.64	0.08	0.13	0.57	0.014	0.14	11.5	0.3	0.01	38	2.29	<0.01	<0.05
M898827		2.3	0.69	0.11	<0.05	<0.02	0.04	<0.005	0.01	0.2	0.3	0.02	132	0.35	<0.01	<0.05
M898828		137.5	0.27	5.03	<0.05	0.02	3.78	0.069	<0.01	5.2	0.2	0.05	375	0.94	<0.01	0.07
M898829		148.0	0.27	4.96	0.07	0.23	2.70	0.071	0.04	6.4	2.8	0.84	913	11.75	<0.01	0.47
M898830		595	0.63	0.18	<0.05	0.02	0.35	0.009	0.01	5.5	0.2	0.17	591	23.8	<0.01	<0.05

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 Account: MTT

Project: Rod (Camp 2)

**CERTIFICATE OF ANALYSIS WH14113785**

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	
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		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	0.005
M898822		21.5	330	8.2	4.2	0.002	0.03	6.44	0.9	5.8	2.8	19.2	<0.01	0.04	0.7	0.014
M898823		95.4	8670	19.0	3.0	0.014	0.06	10.15	3.3	12.0	0.6	230	<0.01	0.15	2.4	<0.005
M898824		32.3	800	9.7	2.3	0.002	0.07	6.46	1.5	7.3	0.3	80.4	<0.01	0.06	1.4	<0.005
M898825		37.3	2000	2.8	0.8	<0.001	0.07	12.15	0.5	6.3	3.3	781	<0.01	0.02	0.3	<0.005
M898826		17.4	2510	62.2	5.8	0.006	0.15	21.2	4.4	11.4	<0.2	191.0	<0.01	0.04	3.3	<0.005
M898827		2.6	80	45.5	0.3	<0.001	<0.01	0.30	0.4	<0.2	<0.2	14.2	<0.01	<0.01	0.3	<0.005
M898828		103.5	40	1.4	0.3	<0.001	0.03	3.23	0.2	13.5	<0.2	192.0	<0.01	<0.01	<0.2	<0.005
M898829		296	250	7.3	4.8	0.003	<0.01	11.30	4.5	15.4	0.6	756	<0.01	0.02	0.3	0.012
M898830		1.5	60	6190	0.6	<0.001	0.14	37.2	1.4	1.7	<0.2	1105	<0.01	0.04	0.4	<0.005



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 Account: MTT

Project: Rod (Camp 2)

**CERTIFICATE OF ANALYSIS WH14113785**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Ag-OG46	Pb-OG46	Ag-GRA21	Zn-OG46	Pb-VOL70	Au-AA26
		Tl	U	V	W	Y	Zn	Zr	Ag	Pb	Ag	Zn	Pb	Au
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm
		0.02	0.05	1	0.05	0.05	2	0.5	1	0.001	5	0.001	0.01	0.01
M898822		0.26	5.05	1160	0.17	3.21	135	4.2						<0.01
M898823		0.32	5.48	46	0.21	29.5	617	6.5						0.01
M898824		0.16	3.66	29	0.21	4.63	311	7.3						<0.01
M898825		0.03	1.46	130	0.05	5.89	6800	3.2						<0.01
M898826		0.14	2.04	50	0.25	7.61	168	7.8						<0.01
M898827		<0.02	0.19	3	0.05	1.26	16	0.7						<0.01
M898828		0.13	0.67	74	<0.05	5.59	>10000	1.4				1.695		<0.01
M898829		0.68	2.48	999	0.14	21.3	>10000	16.8				2.34		<0.01
M898830		<0.02	0.24	5	<0.05	6.81	133	0.7						<0.01



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Project: Rod (Camp 2)

**CERTIFICATE OF ANALYSIS WH14113785**

	<b>CERTIFICATE COMMENTS</b>												
	<b>ANALYTICAL COMMENTS</b>												
Applies to Method:	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). ME-MS41												
	<b>LABORATORY ADDRESSES</b>												
Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada. <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-21</td> <td style="width: 33%;">SPL-21</td> </tr> <tr> <td>WEI-21</td> <td></td> <td></td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	SPL-21	WEI-21							
CRU-31	CRU-QC	LOG-21	SPL-21										
WEI-21													
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">Ag-GRA21</td> <td style="width: 25%;">Ag-OG46</td> <td style="width: 25%;">Au-AA26</td> <td style="width: 25%;">ME-MS41</td> </tr> <tr> <td>ME-OG46</td> <td>Pb-OG46</td> <td>Pb-VOL70</td> <td>PUL-31</td> </tr> <tr> <td>PUL-QC</td> <td>Zn-OG46</td> <td></td> <td></td> </tr> </table>	Ag-GRA21	Ag-OG46	Au-AA26	ME-MS41	ME-OG46	Pb-OG46	Pb-VOL70	PUL-31	PUL-QC	Zn-OG46		
Ag-GRA21	Ag-OG46	Au-AA26	ME-MS41										
ME-OG46	Pb-OG46	Pb-VOL70	PUL-31										
PUL-QC	Zn-OG46												



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**CERTIFICATE WH14113786**

Project: Rod Property

This report is for 128 Soil samples submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2014.

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	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: STRATEGIC METALS LTD.  
 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: 12-AUG-2014  
 Account: MTT

Project: Rod Property

<b>CERTIFICATE OF ANALYSIS WH14113786</b>
-------------------------------------------

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
DD019352		0.44	0.005	0.7	0.97	66	<10	1080	0.6	<2	0.64	4.8	14	27	48	3.06
DD019353		0.41	0.012	2.2	1.50	51	<10	2740	0.5	<2	0.41	3.4	9	37	58	2.43
DD019354		0.44	0.014	1.3	1.35	150	<10	2270	0.9	<2	0.50	5.1	11	54	100	3.28
DD019355		0.47	0.040	6.9	1.60	282	<10	2320	1.0	3	0.90	8.9	10	94	140	3.22
DD019356		0.43	0.007	1.4	1.65	98	<10	5860	0.7	<2	0.27	6.3	7	43	65	2.70
DD019357		0.39	0.010	5.8	1.70	61	<10	3850	0.7	2	0.34	6.5	6	68	97	1.99
DD019358		0.46	0.003	1.5	0.89	53	<10	2360	<0.5	2	0.08	3.1	4	41	47	2.32
DD019359		0.28	0.011	6.3	0.43	10	<10	910	<0.5	<2	0.86	5.4	<1	24	122	0.49
DD019360		0.45	0.012	9.4	1.03	278	<10	1100	0.8	<2	0.88	10.7	4	66	205	3.61
DD019361		0.41	0.014	3.4	1.24	147	<10	2380	0.5	<2	0.16	1.3	2	70	49	2.34
DD019362		0.42	0.007	5.3	1.35	28	<10	4920	0.7	<2	0.44	5.6	5	101	107	1.46
DD019363		0.40	0.006	1.7	1.18	49	<10	2990	0.7	<2	1.02	5.6	11	46	91	3.07
DD019364		0.41	0.007	1.4	1.08	62	<10	1260	0.7	2	0.77	3.6	11	27	58	2.68
DD019365		0.39	0.029	6.3	1.45	113	<10	2210	1.0	<2	0.73	10.2	11	50	143	2.94
DD019366		0.58	0.010	1.5	1.29	114	<10	1060	0.6	<2	0.24	2.0	9	41	50	2.61
DD019367		0.37	0.019	1.4	1.41	124	<10	1000	0.7	<2	0.10	1.1	13	34	57	3.56
DD019368		0.52	0.014	0.9	1.15	59	<10	830	0.5	<2	0.19	1.0	8	33	61	3.02
DD019369		0.45	0.013	3.4	1.28	62	<10	1560	0.7	<2	0.65	12.0	14	37	110	2.77
DD019370		0.30	0.042	8.6	1.70	208	<10	2120	1.1	<2	1.08	13.7	7	45	162	3.15
DD019371		0.59	0.029	5.5	1.15	612	<10	1220	0.6	<2	0.51	23.8	15	32	90	3.53
DD019372		0.40	0.010	3.0	1.22	97	<10	2900	<0.5	<2	0.20	4.3	7	41	46	2.58
DD019373		0.57	0.010	3.4	1.28	169	<10	3200	0.9	<2	0.50	6.5	14	50	140	3.01
DD019374		0.33	0.004	3.6	1.48	73	<10	1730	<0.5	<2	0.11	1.1	4	41	20	3.39
DD019375		0.31	0.013	3.4	1.34	150	<10	2120	0.8	<2	0.19	2.3	4	77	110	2.79
DD019376		0.43	0.018	14.5	0.71	274	10	1730	1.0	2	1.98	30.4	4	84	235	1.89
DD019377		0.37	0.017	3.1	0.79	79	<10	4190	1.1	<2	0.74	13.5	<1	87	138	0.68
DD019378		0.31	0.006	3.6	0.97	28	<10	1410	1.0	<2	1.08	2.8	6	165	70	1.49
DD019379		0.33	0.005	2.6	2.12	54	<10	560	0.6	<2	0.15	0.8	5	50	52	2.75
DD019380		0.22	0.007	9.3	1.65	48	<10	3200	0.5	2	0.32	14.1	20	58	171	1.67
DD019381		0.23	0.005	3.8	2.53	38	<10	2600	1.1	<2	1.60	1.5	5	107	66	2.18
DD019382		0.26	0.137	10.1	0.93	525	<10	860	0.8	<2	0.26	10.2	2	70	143	3.00
DD019383		0.31	0.015	2.4	1.56	169	<10	4280	1.2	<2	0.94	34.6	9	91	246	2.69
DD019384		0.27	0.004	2.8	1.43	23	<10	1180	<0.5	<2	0.09	0.5	4	34	15	3.12
DD019385		0.39	0.003	2.1	1.48	48	<10	1700	0.7	<2	0.21	2.7	7	43	60	2.26
DD019386		0.42	0.006	1.7	1.25	57	<10	1840	<0.5	<2	0.21	1.6	5	41	88	2.72
DD019387		0.32	0.011	4.2	0.95	152	<10	1230	<0.5	<2	0.07	2.5	5	26	61	2.96
DD019388		0.33	0.026	4.9	1.02	260	<10	1030	0.5	<2	0.23	3.9	7	25	81	2.62
DD019389		0.37	0.007	1.0	1.03	267	<10	860	0.5	<2	0.09	1.4	6	29	43	2.64
DD019390		0.32	0.008	0.6	0.99	74	<10	240	<0.5	<2	0.17	0.9	7	23	51	2.97
DD019391		0.36	0.016	1.4	0.55	77	<10	620	<0.5	<2	0.07	0.7	4	19	56	1.95

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



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 Account: MTT

Project: Rod Property

CERTIFICATE OF ANALYSIS    WH14113786
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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
DD019352		<10	1	0.06	10	0.43	633	4	<0.01	80	1570	57	0.06	3	3	71
DD019353		<10	1	0.06	10	0.49	270	9	<0.01	87	1770	126	0.04	13	3	68
DD019354		<10	1	0.08	20	0.36	507	21	<0.01	126	3170	229	0.09	29	2	158
DD019355		<10	1	0.11	10	0.46	783	40	<0.01	309	7620	345	0.13	44	4	274
DD019356		<10	<1	0.07	10	0.54	356	12	<0.01	133	1420	51	0.06	5	3	55
DD019357		<10	1	0.12	10	0.46	327	8	<0.01	123	2440	168	0.10	3	3	79
DD019358		10	<1	0.09	20	0.22	168	16	<0.01	85	1060	44	0.11	4	2	68
DD019359		<10	1	0.03	10	0.06	14	11	0.01	60	2050	31	0.26	7	1	56
DD019360		<10	1	0.21	20	0.10	304	29	0.01	118	8750	356	0.31	38	3	397
DD019361		10	1	0.10	10	0.15	161	29	<0.01	71	2940	256	0.11	20	1	104
DD019362		10	1	0.08	10	0.70	263	6	<0.01	165	2500	45	0.10	5	2	125
DD019363		<10	1	0.11	10	0.63	390	9	<0.01	129	2220	63	0.07	7	4	117
DD019364		<10	<1	0.06	10	0.38	454	1	0.01	70	1220	77	0.06	3	3	59
DD019365		<10	2	0.11	10	0.42	1220	9	<0.01	138	2270	389	0.07	15	5	79
DD019366		<10	<1	0.09	10	0.34	1730	6	0.01	96	2040	223	0.06	12	3	68
DD019367		<10	<1	0.13	10	0.27	1025	8	0.01	42	1620	247	0.08	10	2	104
DD019368		10	<1	0.08	10	0.27	387	4	<0.01	43	1120	80	0.05	8	1	49
DD019369		<10	1	0.10	10	0.41	621	8	<0.01	200	2010	84	0.12	10	5	128
DD019370		<10	2	0.16	10	0.46	301	9	0.01	214	1870	133	0.18	46	5	189
DD019371		<10	2	0.08	10	0.41	577	7	0.01	189	1970	375	0.05	118	5	107
DD019372		<10	2	0.10	10	0.28	445	7	<0.01	71	2020	76	0.11	10	3	111
DD019373		<10	<1	0.09	20	0.36	1155	18	<0.01	140	3160	145	0.11	19	4	168
DD019374		10	1	0.06	10	0.27	216	13	<0.01	25	3150	58	0.06	5	2	27
DD019375		10	1	0.10	10	0.21	186	39	<0.01	136	2710	103	0.15	19	2	119
DD019376		<10	2	0.14	10	0.04	2150	49	<0.01	221	9770	3000	0.13	95	5	731
DD019377		<10	2	0.12	10	0.09	68	25	<0.01	82	4500	197	0.09	9	<1	319
DD019378		10	<1	0.12	10	0.57	127	10	<0.01	233	6830	15	0.18	12	4	205
DD019379		10	<1	0.05	10	0.33	288	6	0.01	30	1480	23	0.05	2	3	25
DD019380		<10	3	0.06	10	0.34	4330	25	<0.01	129	3110	65	0.13	5	2	83
DD019381		10	1	0.09	10	1.35	186	6	<0.01	160	>10000	28	0.07	3	3	491
DD019382		<10	2	0.17	10	0.04	369	69	0.01	147	3050	880	0.36	65	1	315
DD019383		<10	<1	0.07	20	0.24	777	29	<0.01	402	5340	44	0.08	13	5	260
DD019384		10	<1	0.05	10	0.25	208	5	0.01	22	950	30	0.04	<2	1	29
DD019385		10	1	0.06	10	0.26	370	9	<0.01	40	2120	39	0.04	5	1	71
DD019386		<10	<1	0.07	10	0.28	186	11	<0.01	55	1980	48	0.12	8	2	104
DD019387		<10	1	0.09	10	0.08	161	8	0.01	42	2740	51	0.16	11	3	119
DD019388		<10	1	0.08	20	0.31	267	11	0.01	43	1280	309	0.05	59	2	92
DD019389		10	<1	0.07	10	0.16	315	10	<0.01	40	1050	127	0.05	13	2	51
DD019390		<10	<1	0.07	20	0.28	304	7	0.01	42	1260	37	0.04	6	2	69
DD019391		<10	<1	0.08	10	0.09	175	10	<0.01	28	1100	61	0.11	13	1	92

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





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.  
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 1016-510 W HASTINGS ST  
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**CERTIFICATE OF ANALYSIS WH14113786**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
DD019352		<20	0.01	<10	<10	81	<10	503
DD019353		<20	0.04	<10	<10	146	<10	663
DD019354		<20	0.01	<10	<10	411	<10	880
DD019355		<20	0.02	<10	10	633	<10	2070
DD019356		<20	0.03	<10	<10	268	<10	1755
DD019357		<20	0.01	<10	<10	358	<10	1310
DD019358		<20	0.03	<10	<10	289	<10	543
DD019359		<20	0.01	<10	10	79	<10	435
DD019360		<20	0.01	<10	20	332	<10	620
DD019361		<20	0.02	<10	<10	958	<10	496
DD019362		<20	0.01	<10	<10	239	<10	1100
DD019363		<20	0.03	<10	<10	220	<10	761
DD019364		<20	0.01	<10	<10	73	<10	751
DD019365		<20	0.01	<10	<10	205	<10	1530
DD019366		<20	0.01	<10	<10	141	<10	1520
DD019367		<20	0.01	<10	<10	120	<10	289
DD019368		<20	0.02	<10	<10	91	<10	239
DD019369		<20	0.01	<10	10	112	<10	805
DD019370		<20	<0.01	<10	10	188	<10	2820
DD019371		<20	0.02	<10	<10	118	<10	3360
DD019372		<20	0.01	<10	<10	208	<10	549
DD019373		<20	0.03	<10	<10	454	<10	790
DD019374		<20	0.04	<10	<10	403	<10	199
DD019375		<20	0.03	<10	<10	864	<10	580
DD019376		<20	0.01	<10	20	604	<10	2300
DD019377		<20	0.01	<10	20	1535	<10	562
DD019378		<20	0.01	<10	<10	307	<10	1230
DD019379		<20	0.04	<10	<10	522	<10	298
DD019380		<20	0.02	<10	10	214	<10	1360
DD019381		<20	0.03	<10	10	400	<10	975
DD019382		<20	0.02	<10	10	962	<10	676
DD019383		<20	0.02	<10	10	428	<10	2850
DD019384		<20	0.04	<10	<10	172	<10	123
DD019385		<20	0.02	<10	<10	233	<10	194
DD019386		<20	0.03	<10	<10	205	<10	274
DD019387		<20	0.01	<10	<10	116	<10	401
DD019388		<20	0.03	<10	<10	89	<10	326
DD019389		<20	0.02	<10	<10	196	<10	248
DD019390		<20	0.02	<10	<10	70	<10	247
DD019391		<20	0.01	<10	<10	83	<10	157



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**CERTIFICATE OF ANALYSIS WH14113786**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
DD019392		0.27	0.071	2.9	1.56	887	<10	710	0.7	<2	0.15	1.9	10	36	50	3.42
DD019393		0.33	0.008	1.5	1.07	226	<10	430	<0.5	<2	0.07	0.9	5	23	47	2.85
DD019394		0.34	0.009	1.5	1.53	59	<10	520	<0.5	<2	0.14	0.9	8	28	44	2.88
DD019395		0.38	0.010	2.4	1.26	51	<10	1580	0.5	<2	0.09	1.3	5	33	85	3.13
DD019201		0.21	0.008	1.6	0.64	122	<10	2020	0.5	<2	0.37	1.8	5	45	67	2.64
DD019202		0.18	0.009	1.8	1.17	47	<10	410	<0.5	2	0.07	0.5	6	32	52	3.16
DD019203		0.09	0.004	3.1	0.69	642	<10	230	<0.5	<2	0.01	<0.5	6	15	47	2.91
DD019204		0.31	0.009	1.4	1.02	180	<10	2170	0.5	<2	0.25	2.5	7	37	73	2.87
DD019205		0.09	0.006	1.3	1.45	138	<10	2830	0.9	<2	0.51	3.1	16	65	89	3.65
DD019206		0.14	0.020	3.4	1.35	281	<10	2160	1.1	2	0.62	6.6	7	80	112	3.34
DD019207		0.12	0.031	9.7	1.82	376	<10	2410	1.0	2	0.46	15.1	14	69	179	4.26
DD019208		0.15	0.011	2.1	1.01	134	<10	3120	0.6	<2	0.52	4.7	4	48	73	2.37
DD019209		0.31	0.008	1.8	1.19	39	<10	2730	0.8	2	0.86	8.9	11	42	98	2.82
DD019210		0.18	0.005	1.6	0.95	30	<10	1290	0.6	<2	0.95	5.1	7	69	76	2.48
DD019211		0.12	0.010	3.1	0.85	14	<10	2670	0.5	<2	1.20	8.5	4	55	85	1.41
DD019212		0.19	0.012	4.3	1.06	25	<10	1580	0.5	2	0.43	6.0	10	44	85	2.14
DD019213		0.16	0.019	5.3	1.11	53	<10	2730	0.7	<2	1.12	15.2	12	78	175	3.16
DD019214		0.18	0.010	5.4	1.62	74	<10	4240	0.7	<2	0.48	11.6	9	54	97	2.27
DD019215		0.30	0.007	3.5	1.45	59	<10	2630	0.6	<2	0.45	9.4	8	54	117	1.88
DD019216		0.12	0.014	3.4	1.35	177	<10	9280	0.9	<2	0.84	12.1	6	72	161	2.55
DD019217		0.13	0.013	2.6	1.14	167	<10	1900	0.5	2	0.09	1.7	4	60	72	2.77
DD019218		0.19	0.004	6.2	1.97	99	<10	780	0.8	2	0.33	1.6	7	65	36	3.25
DD019219		0.16	0.008	1.2	0.81	159	<10	1090	<0.5	3	0.11	1.4	6	29	49	2.93
DD019220		0.17	0.010	1.7	1.43	318	<10	1560	0.8	<2	0.41	2.2	8	57	124	3.44
DD019221		0.26	0.007	1.7	1.90	92	<10	1560	0.8	<2	0.14	1.4	13	46	94	3.55
DD019222		0.22	0.016	2.1	0.73	221	<10	350	<0.5	<2	0.09	0.7	5	27	63	2.88
DD019223		0.12	0.017	1.2	1.50	138	<10	1030	0.9	<2	0.11	1.8	16	26	106	4.12
DD019224		0.24	0.023	3.1	1.31	694	<10	2090	0.8	3	0.27	2.2	9	46	95	3.76
DD019225		0.25	0.009	4.6	0.57	154	<10	2080	0.6	<2	0.33	34.8	4	17	209	2.63
DD019226		0.25	0.014	2.3	0.33	122	<10	1660	<0.5	<2	0.22	3.4	5	6	90	2.02
DD019227		0.16	0.007	0.9	1.25	127	<10	1950	0.6	<2	0.28	1.5	6	61	52	3.51
DD019228		0.25	0.003	0.8	1.98	30	<10	470	0.5	<2	0.16	0.9	9	39	16	3.53
DD019229		0.08	0.007	4.4	1.94	163	<10	2090	1.1	<2	0.30	9.5	8	87	161	3.26
DD019230		0.09	0.017	8.1	1.94	643	<10	3100	1.7	3	0.63	32.7	5	142	281	5.05
DD019231		0.27	0.013	5.7	1.50	82	<10	3430	0.7	2	0.52	7.7	7	63	87	2.00
DD019232		0.11	NSS	8.6	0.79	592	<10	2790	1.5	5	2.07	40.0	16	106	227	4.92
DD019233		0.08	0.017	7.7	0.86	97	<10	1680	0.9	<2	0.87	31.4	11	69	274	3.52
DD019234		0.07	NSS	5.6	0.87	89	<10	1590	1.0	<2	0.26	2.8	1	190	93	1.83
DD019235		0.15	0.013	8.1	1.17	46	<10	2700	<0.5	<2	0.25	1.9	3	42	54	1.54
DD019236		0.23	0.007	6.0	1.28	55	<10	3270	0.6	2	0.41	4.9	3	58	120	1.57



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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 VANCOUVER BC V6B 1L8

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**CERTIFICATE OF ANALYSIS WH14113786**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
DD019392		10	1	0.09	10	0.34	587	8	0.01	41	1380	244	0.09	21	3	80
DD019393		<10	<1	0.06	10	0.21	190	8	0.01	24	1260	99	0.06	11	1	61
DD019394		10	<1	0.06	10	0.39	288	4	0.01	34	1200	19	0.03	<2	2	49
DD019395		10	1	0.08	10	0.18	249	10	<0.01	29	1450	46	0.12	7	2	38
DD019201		<10	<1	0.08	10	0.14	267	25	0.01	86	2680	141	0.12	23	2	134
DD019202		10	<1	0.12	10	0.23	270	13	0.02	29	1380	30	0.26	9	1	99
DD019203		10	<1	0.06	20	0.05	175	6	0.02	44	570	101	0.05	8	2	23
DD019204		<10	<1	0.09	20	0.14	345	19	0.01	62	2200	140	0.14	19	1	180
DD019205		<10	<1	0.09	20	0.44	832	18	0.01	96	3650	94	0.09	16	3	168
DD019206		<10	1	0.12	20	0.22	378	72	0.01	201	4790	186	0.11	35	3	237
DD019207		10	2	0.10	10	0.18	1695	36	<0.01	235	6170	405	0.13	58	4	149
DD019208		<10	1	0.09	10	0.26	143	26	<0.01	98	3200	279	0.12	28	1	154
DD019209		<10	1	0.09	20	0.42	872	8	<0.01	184	2180	43	0.06	6	4	100
DD019210		<10	<1	0.13	20	0.48	216	13	0.02	118	4120	30	0.08	8	3	156
DD019211		<10	1	0.05	10	0.43	223	4	0.01	73	1860	15	0.14	4	2	106
DD019212		<10	1	0.07	10	0.26	438	7	0.01	56	2560	23	0.11	3	2	64
DD019213		<10	1	0.15	20	0.49	410	16	<0.01	220	4440	67	0.09	17	4	176
DD019214		10	1	0.10	10	0.40	511	13	0.01	131	2270	175	0.10	21	2	109
DD019215		<10	1	0.09	10	0.32	368	17	0.01	127	2670	86	0.11	9	2	136
DD019216		<10	1	0.12	10	0.26	483	35	0.01	181	3060	134	0.04	17	3	272
DD019217		<10	1	0.09	20	0.17	157	52	0.01	106	2220	133	0.14	40	1	89
DD019218		<10	<1	0.08	10	0.29	364	22	0.02	66	2600	76	0.07	19	3	122
DD019219		<10	<1	0.07	20	0.13	270	13	0.02	44	1330	75	0.11	15	1	76
DD019220		<10	1	0.10	20	0.22	387	34	0.01	116	2490	160	0.13	36	4	172
DD019221		10	<1	0.06	10	0.43	516	11	0.01	67	1110	141	0.06	7	4	51
DD019222		<10	<1	0.08	20	0.08	234	14	0.02	40	1690	63	0.08	12	1	59
DD019223		<10	1	0.09	20	0.28	1090	8	0.02	62	1280	60	0.08	9	3	84
DD019224		<10	<1	0.10	20	0.27	644	20	0.01	85	2300	256	0.13	35	3	138
DD019225		<10	4	0.08	30	0.12	202	144	<0.01	97	1720	962	0.04	76	3	88
DD019226		<10	<1	0.07	20	0.02	289	5	0.01	35	1730	29	0.10	9	4	555
DD019227		10	<1	0.10	10	0.34	326	24	0.01	80	2360	91	0.14	16	2	102
DD019228		10	<1	0.06	10	0.46	395	3	0.02	22	810	52	0.02	3	3	18
DD019229		10	1	0.12	10	0.26	608	37	0.01	119	3120	87	0.18	12	1	107
DD019230		10	2	0.15	20	0.27	434	107	0.01	520	4910	277	0.12	65	4	285
DD019231		10	1	0.10	10	0.35	556	14	0.01	99	3120	603	0.10	23	3	171
DD019232		<10	2	0.15	20	0.10	2560	58	<0.01	507	>10000	161	0.08	89	7	424
DD019233		<10	4	0.19	20	0.12	471	49	0.01	222	5600	58	0.19	50	6	468
DD019234		<10	1	0.11	20	0.10	117	27	0.01	87	3680	168	0.18	17	<1	218
DD019235		<10	2	0.07	10	0.25	80	6	0.01	40	1840	137	0.10	11	1	87
DD019236		<10	2	0.09	10	0.25	154	13	<0.01	97	2380	125	0.10	7	1	125



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
DD019392		<20	0.02	<10	<10	138	<10	380
DD019393		<20	0.01	<10	<10	100	<10	202
DD019394		<20	0.03	<10	<10	63	<10	225
DD019395		<20	0.03	<10	<10	180	<10	144
DD019201		<20	0.03	<10	<10	422	<10	388
DD019202		<20	0.02	<10	<10	117	<10	151
DD019203		<20	0.01	<10	<10	96	<10	396
DD019204		<20	0.01	<10	<10	301	<10	356
DD019205		<20	0.03	<10	<10	401	<10	471
DD019206		<20	0.03	<10	10	880	<10	781
DD019207		<20	0.02	<10	10	450	<10	1080
DD019208		<20	0.02	<10	10	473	<10	466
DD019209		<20	0.02	<10	<10	172	<10	1450
DD019210		<20	0.02	<10	<10	361	<10	810
DD019211		<20	0.01	<10	10	202	<10	364
DD019212		<20	0.01	<10	10	211	<10	345
DD019213		<20	0.01	<10	10	362	<10	1790
DD019214		<20	0.01	<10	10	313	<10	1250
DD019215		<20	0.02	<10	10	352	<10	967
DD019216		<20	0.02	<10	20	588	<10	842
DD019217		<20	0.01	<10	<10	478	<10	433
DD019218		<20	0.03	<10	<10	542	<10	296
DD019219		<20	0.02	<10	<10	224	<10	273
DD019220		<20	0.03	<10	<10	474	<10	485
DD019221		<20	0.03	<10	<10	210	<10	310
DD019222		<20	0.01	<10	<10	158	<10	240
DD019223		<20	0.02	<10	<10	87	<10	439
DD019224		<20	0.03	<10	<10	355	<10	516
DD019225		<20	0.01	<10	10	270	<10	1310
DD019226		<20	<0.01	<10	<10	21	<10	295
DD019227		<20	0.04	<10	<10	523	<10	397
DD019228		<20	0.04	<10	<10	101	<10	120
DD019229		<20	0.03	<10	10	941	<10	618
DD019230		<20	0.03	<10	20	1720	<10	2230
DD019231		<20	0.02	<10	<10	471	<10	1210
DD019232		<20	<0.01	<10	20	526	<10	2370
DD019233		<20	0.01	<10	10	597	<10	1170
DD019234		<20	<0.01	<10	10	946	<10	392
DD019235		<20	0.01	<10	<10	159	<10	279
DD019236		<20	0.01	<10	10	419	<10	565



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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 C/O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016-510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
DD019237		0.13	0.012	8.3	1.64	194	<10	2410	0.8	2	0.38	8.3	3	96	270	2.71
DD019238		0.14	0.005	2.6	2.03	106	<10	1030	0.7	<2	0.31	2.1	8	55	67	3.10
DD019239		0.22	0.004	2.1	1.68	161	<10	980	0.7	<2	0.17	1.1	7	55	37	3.40
DD019001		0.35	0.003	1.7	0.95	56	<10	1760	<0.5	2	0.04	1.7	2	26	33	1.75
DD019002		0.48	0.013	2.0	1.01	168	<10	2010	0.5	<2	0.18	3.6	4	44	65	2.56
DD019003		0.41	0.007	3.0	0.98	120	<10	3790	0.5	<2	0.45	2.1	5	38	40	2.11
DD019004		0.41	0.016	6.8	1.00	303	<10	4180	0.8	<2	0.89	18.1	8	60	208	3.15
DD019005		0.35	0.011	3.6	1.22	125	<10	2340	0.8	<2	0.50	4.4	11	48	84	3.04
DD019006		0.31	0.014	5.8	1.04	241	<10	2890	0.9	<2	0.95	20.8	6	65	142	2.77
DD019007		0.55	0.038	7.2	0.82	172	<10	2290	1.0	2	0.45	13.1	1	106	173	1.61
DD019008		0.33	0.020	6.3	1.11	103	<10	3100	0.7	<2	0.80	10.0	7	45	158	2.74
DD019009		0.37	0.009	4.0	1.06	63	<10	2430	0.6	<2	0.36	2.6	4	58	75	2.04
DD019010		0.49	0.008	2.9	0.98	53	<10	2580	0.7	<2	0.50	2.1	<1	85	54	1.66
DD019011		0.39	0.094	6.7	1.07	237	<10	1890	0.8	<2	0.50	4.4	4	67	126	2.73
DD019012		0.42	0.042	5.0	0.92	208	<10	2460	0.8	<2	0.55	8.5	6	70	126	2.90
DD019013		0.53	0.018	8.4	0.99	261	<10	2230	1.0	2	1.01	32.6	7	81	195	2.99
DD019014		0.34	0.017	9.7	0.73	459	<10	6920	1.2	<2	1.47	145.5	11	80	438	2.92
DD019015		0.34	0.010	4.0	1.00	108	<10	>10000	0.8	<2	1.10	28.6	7	41	240	1.71
DD019016		0.52	0.021	6.6	1.75	405	<10	1010	1.1	<2	0.59	34.7	6	100	343	3.13
DD019017		0.45	0.040	14.0	2.23	576	<10	3420	1.6	<2	0.95	45.9	13	93	1025	3.11
DD019018		0.41	0.008	2.3	1.25	208	<10	2610	0.8	<2	0.61	4.4	7	42	63	2.92
DD019019		0.41	0.011	2.6	1.12	138	<10	1600	0.7	<2	0.25	3.4	5	35	75	2.40
DD019020		0.35	0.012	0.9	1.83	64	<10	1660	0.7	<2	0.15	1.5	10	40	34	3.12
DD019021		0.47	0.017	4.7	0.54	441	<10	4510	0.7	<2	9.8	108.5	7	72	231	2.23
DD019022		0.38	0.008	3.7	1.31	144	<10	3110	0.6	<2	0.20	2.2	4	47	81	2.98
DD019023		0.48	0.017	6.1	2.66	626	<10	8820	2.0	<2	1.40	81.5	16	102	607	3.28
DD019024		0.53	0.127	10.1	0.73	308	<10	1760	0.5	<2	0.54	32.3	8	31	309	1.72
DD019025		0.48	0.019	6.5	0.77	299	20	2990	1.0	2	2.64	28.3	1	165	323	1.83
DD019026		0.45	0.036	4.7	0.83	156	<10	2440	0.7	2	0.75	3.9	4	64	226	2.59
DD019027		0.35	0.011	7.4	1.29	98	<10	3040	1.1	<2	1.95	17.0	13	65	236	3.89
DD019028		0.32	0.005	0.7	1.20	26	<10	550	0.5	<2	0.15	1.0	8	38	48	3.13
DD019029		0.37	0.005	0.6	1.28	35	<10	700	0.5	<2	0.21	1.1	10	40	44	3.43
DD019030		0.33	0.010	1.9	1.21	87	<10	2260	0.6	<2	0.36	3.8	6	46	57	2.44
DD019031		0.36	0.012	4.0	2.50	150	<10	4230	1.3	<2	0.43	54.7	16	45	232	2.69
DD019032		0.44	0.015	3.8	1.83	478	<10	570	1.2	<2	0.42	20.6	10	94	279	3.89
DD019033		0.36	0.012	3.7	1.33	317	<10	900	0.7	<2	0.65	5.2	6	67	147	3.14
DD019034		0.34	0.014	5.1	1.35	78	<10	810	0.7	<2	0.25	3.2	8	52	112	2.95
DD019035		0.39	0.013	0.5	1.19	19	<10	220	0.5	<2	0.04	0.5	7	18	160	3.72
DD019036		0.44	0.013	6.0	0.57	55	<10	320	<0.5	<2	0.01	<0.5	1	32	103	2.54
DD019037		0.43	0.014	2.7	0.23	43	<10	360	<0.5	<2	0.19	0.8	10	10	66	2.68



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

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 1016-510 W HASTINGS ST  
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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
DD019237		<10	3	0.12	10	0.24	216	34	<0.01	146	3840	174	0.12	31	2	170
DD019238		<10	1	0.07	10	0.40	442	16	<0.01	66	2120	161	0.10	8	2	62
DD019239		<10	<1	0.06	10	0.25	308	19	<0.01	69	3180	103	0.06	12	3	62
DD019001		<10	<1	0.06	10	0.06	64	7	<0.01	32	2390	83	0.08	5	<1	65
DD019002		<10	<1	0.08	10	0.10	384	29	<0.01	80	2760	162	0.10	15	<1	102
DD019003		<10	<1	0.06	10	0.16	236	16	<0.01	59	2360	221	0.09	22	1	108
DD019004		<10	2	0.10	10	0.24	852	22	<0.01	270	4530	436	0.09	94	7	246
DD019005		<10	<1	0.08	10	0.29	846	16	<0.01	98	3720	370	0.09	36	3	134
DD019006		<10	1	0.12	10	0.14	1410	29	<0.01	172	6670	403	0.10	53	3	312
DD019007		<10	<1	0.13	20	0.15	233	42	<0.01	74	2880	417	0.14	55	4	227
DD019008		<10	<1	0.10	10	0.22	443	10	<0.01	104	3160	262	0.14	43	2	183
DD019009		<10	1	0.09	10	0.18	233	13	<0.01	50	3590	165	0.12	11	1	184
DD019010		<10	<1	0.13	20	0.19	115	20	<0.01	49	3750	106	0.11	13	2	246
DD019011		<10	<1	0.09	10	0.14	176	12	<0.01	95	4620	236	0.14	75	3	210
DD019012		<10	1	0.10	10	0.16	451	29	<0.01	134	4430	644	0.11	79	2	210
DD019013		<10	1	0.15	10	0.12	824	46	<0.01	283	6270	304	0.11	49	7	305
DD019014		<10	7	0.11	20	0.43	2850	101	<0.01	555	4140	497	0.06	107	6	292
DD019015		<10	<1	0.06	10	0.15	455	17	<0.01	408	2540	36	0.04	9	2	229
DD019016		<10	2	0.17	20	0.22	351	66	<0.01	600	4480	220	0.17	22	6	181
DD019017		<10	2	0.09	20	0.21	992	43	<0.01	536	9560	237	0.12	41	5	538
DD019018		<10	<1	0.07	10	0.32	395	25	<0.01	133	1680	64	0.12	8	1	191
DD019019		<10	<1	0.09	10	0.18	224	23	<0.01	85	2280	101	0.16	11	1	96
DD019020		<10	<1	0.07	10	0.31	554	10	<0.01	63	1360	57	0.06	5	2	31
DD019021		<10	1	0.09	20	4.98	1880	28	<0.01	559	6690	374	0.08	42	10	1460
DD019022		<10	<1	0.05	10	0.20	149	17	<0.01	84	1810	28	0.11	3	2	53
DD019023		<10	1	0.09	20	0.19	717	53	<0.01	894	>10000	31	0.04	25	9	350
DD019024		<10	1	0.11	20	0.04	664	61	<0.01	257	3910	569	0.15	57	4	315
DD019025		<10	2	0.18	20	0.04	292	23	<0.01	57	>10000	256	0.06	21	5	636
DD019026		<10	<1	0.09	10	0.06	146	18	<0.01	126	6350	85	0.11	15	5	409
DD019027		<10	<1	0.10	20	0.19	607	17	<0.01	364	>10000	82	0.09	53	10	419
DD019028		<10	<1	0.06	10	0.27	306	6	<0.01	48	1570	37	0.05	4	2	39
DD019029		<10	<1	0.07	10	0.31	477	5	<0.01	45	2670	45	0.05	4	2	45
DD019030		<10	<1	0.08	10	0.24	564	15	<0.01	54	3460	181	0.10	10	1	135
DD019031		<10	<1	0.06	10	0.24	769	21	<0.01	423	3810	38	0.08	6	4	104
DD019032		<10	<1	0.21	20	0.26	800	77	<0.01	318	4340	59	0.27	24	7	156
DD019033		<10	1	0.18	10	0.23	375	54	<0.01	145	5440	66	0.26	17	3	185
DD019034		<10	1	0.11	10	0.34	352	11	<0.01	67	2190	59	0.19	17	2	103
DD019035		<10	<1	0.21	20	0.45	129	3	<0.01	60	610	24	0.14	2	4	56
DD019036		<10	1	0.14	20	0.04	14	75	<0.01	36	1590	39	0.29	29	1	133
DD019037		<10	1	0.12	10	0.05	258	17	<0.01	48	1240	28	0.22	7	3	145



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

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

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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
DD019237		<20	0.02	<10	20	892	<10	583
DD019238		<20	0.03	<10	<10	580	<10	327
DD019239		<20	0.02	<10	<10	316	<10	321
DD019001		<20	0.01	<10	<10	131	<10	136
DD019002		<20	<0.01	<10	<10	490	<10	426
DD019003		<20	0.01	<10	<10	230	<10	381
DD019004		<20	0.02	<10	10	284	<10	2000
DD019005		<20	0.01	<10	<10	233	<10	791
DD019006		<20	0.01	<10	10	536	<10	1460
DD019007		<20	0.02	<10	10	1185	<10	588
DD019008		<20	0.01	<10	<10	253	<10	647
DD019009		<20	0.01	<10	<10	446	<10	275
DD019010		<20	0.01	<10	<10	1810	<10	258
DD019011		<20	0.01	<10	<10	238	<10	622
DD019012		<20	0.01	<10	<10	663	<10	811
DD019013		<20	0.02	<10	10	951	<10	2090
DD019014		<20	0.01	<10	20	1120	<10	9470
DD019015		<20	0.01	<10	20	360	<10	2700
DD019016		<20	0.02	<10	40	931	<10	3600
DD019017		<20	0.02	<10	30	399	<10	3040
DD019018		<20	0.01	<10	<10	342	<10	782
DD019019		<20	0.01	<10	10	243	<10	385
DD019020		<20	0.03	<10	<10	188	<10	302
DD019021		<20	0.02	<10	<10	586	<10	2880
DD019022		<20	0.02	<10	<10	401	<10	492
DD019023		<20	0.03	<10	30	673	<10	7730
DD019024		<20	0.01	<10	10	305	<10	2540
DD019025		<20	0.02	<10	30	667	<10	421
DD019026		<20	0.01	<10	10	312	<10	632
DD019027		<20	0.01	<10	10	145	<10	1790
DD019028		<20	0.02	<10	<10	177	<10	238
DD019029		<20	0.02	<10	<10	155	<10	226
DD019030		<20	0.01	<10	<10	463	<10	320
DD019031		<20	0.02	<10	10	291	<10	3120
DD019032		<20	0.05	<10	40	1465	<10	1610
DD019033		<20	0.03	<10	20	1005	<10	619
DD019034		<20	0.02	<10	10	105	<10	496
DD019035		<20	0.04	<10	<10	39	<10	333
DD019036		<20	<0.01	<10	10	269	<10	236
DD019037		<20	<0.01	<10	<10	43	<10	191



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

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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
DD019038		0.39	0.009	1.1	0.46	14	<10	550	0.5	<2	0.33	4.7	16	7	85	3.42
DD019039		0.39	0.013	2.8	0.48	39	<10	280	0.5	<2	0.03	1.0	7	12	104	2.61
DD019040		0.43	0.013	3.0	1.12	112	<10	570	0.9	<2	0.16	1.4	8	37	124	3.40
DD019041		0.37	0.028	6.5	1.42	392	<10	1340	0.8	<2	0.70	5.6	9	51	229	3.08
DD019042		0.35	0.030	2.5	1.16	208	<10	2720	0.7	<2	0.25	9.2	6	45	78	2.72
DD019043		0.32	0.011	2.4	0.93	63	<10	1750	0.6	<2	0.14	0.9	2	56	51	1.70
DD019044		0.36	0.007	1.2	1.04	85	<10	1890	0.5	<2	0.24	1.2	4	42	64	2.67
DD019045		0.36	0.006	1.0	1.23	57	<10	1620	0.6	<2	0.17	1.0	6	44	55	2.90





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 C/O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016-510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

Page: 5 - B  
 Total # Pages: 5 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 12-AUG-2014  
 Account: MTT

Project: Rod Property

**CERTIFICATE OF ANALYSIS WH14113786**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
DD019038		<10	1	0.08	10	0.08	432	3	<0.01	91	1010	21	0.06	2	4	67
DD019039		<10	1	0.12	20	0.05	246	17	<0.01	43	940	254	0.24	15	2	166
DD019040		<10	1	0.10	10	0.20	373	12	<0.01	73	1740	165	0.14	23	2	136
DD019041		<10	1	0.12	10	0.17	527	31	<0.01	160	5710	899	0.23	106	2	251
DD019042		<10	1	0.07	10	0.19	228	22	<0.01	134	2900	417	0.12	74	1	94
DD019043		<10	1	0.08	10	0.14	145	18	<0.01	30	2100	110	0.11	10	<1	74
DD019044		<10	<1	0.08	10	0.19	201	19	<0.01	58	2660	108	0.13	16	1	81
DD019045		<10	<1	0.08	10	0.24	284	15	<0.01	59	2330	55	0.12	6	1	62

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



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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Project: Rod Property

**CERTIFICATE OF ANALYSIS WH14113786**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
DD019038		<20	<0.01	<10	<10	14	<10	485
DD019039		<20	<0.01	<10	<10	58	<10	264
DD019040		<20	0.01	<10	10	110	<10	341
DD019041		<20	0.02	<10	20	533	<10	670
DD019042		<20	0.01	<10	<10	272	<10	988
DD019043		<20	<0.01	<10	<10	724	<10	146
DD019044		<20	0.02	<10	<10	373	<10	222
DD019045		<20	0.01	<10	<10	262	<10	262

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



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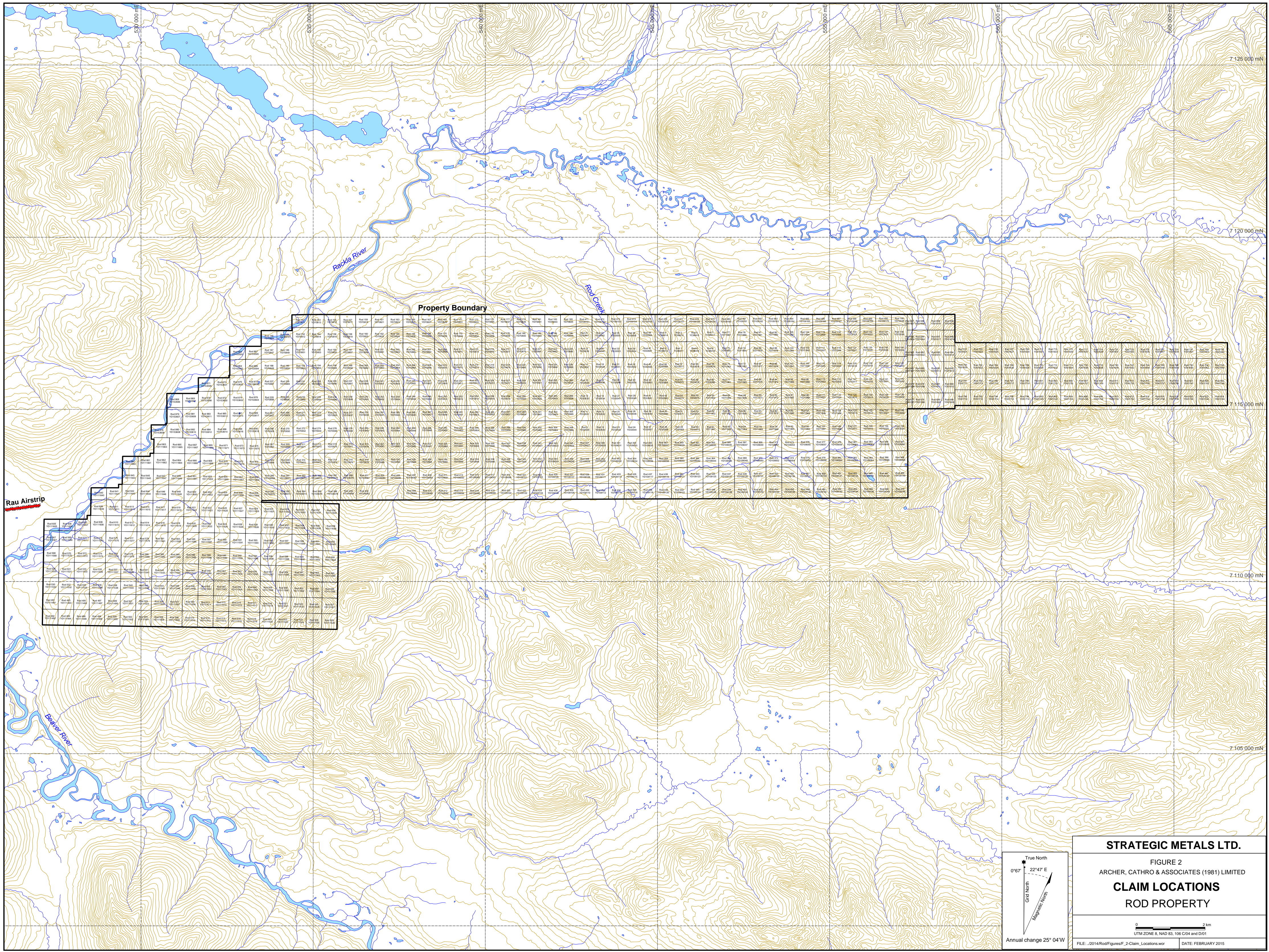
To: STRATEGIC METALS LTD.  
 C/O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016-510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

Page: Appendix 1  
 Total # Appendix Pages: 1  
 Finalized Date: 12-AUG-2014  
 Account: MTT

Project: Rod Property

<b>CERTIFICATE OF ANALYSIS WH14113786</b>
-------------------------------------------

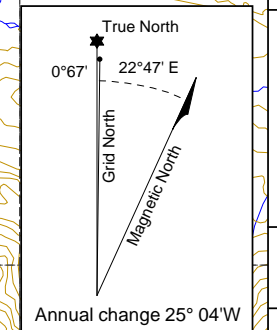
	CERTIFICATE COMMENTS
	<b>ANALYTICAL COMMENTS</b>
Applies to Method:	NSS is non-sufficient sample. ALL METHODS
	<b>LABORATORY ADDRESSES</b>
Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada. LOG-22 SCR-41 WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-ICP21 ME-ICP41

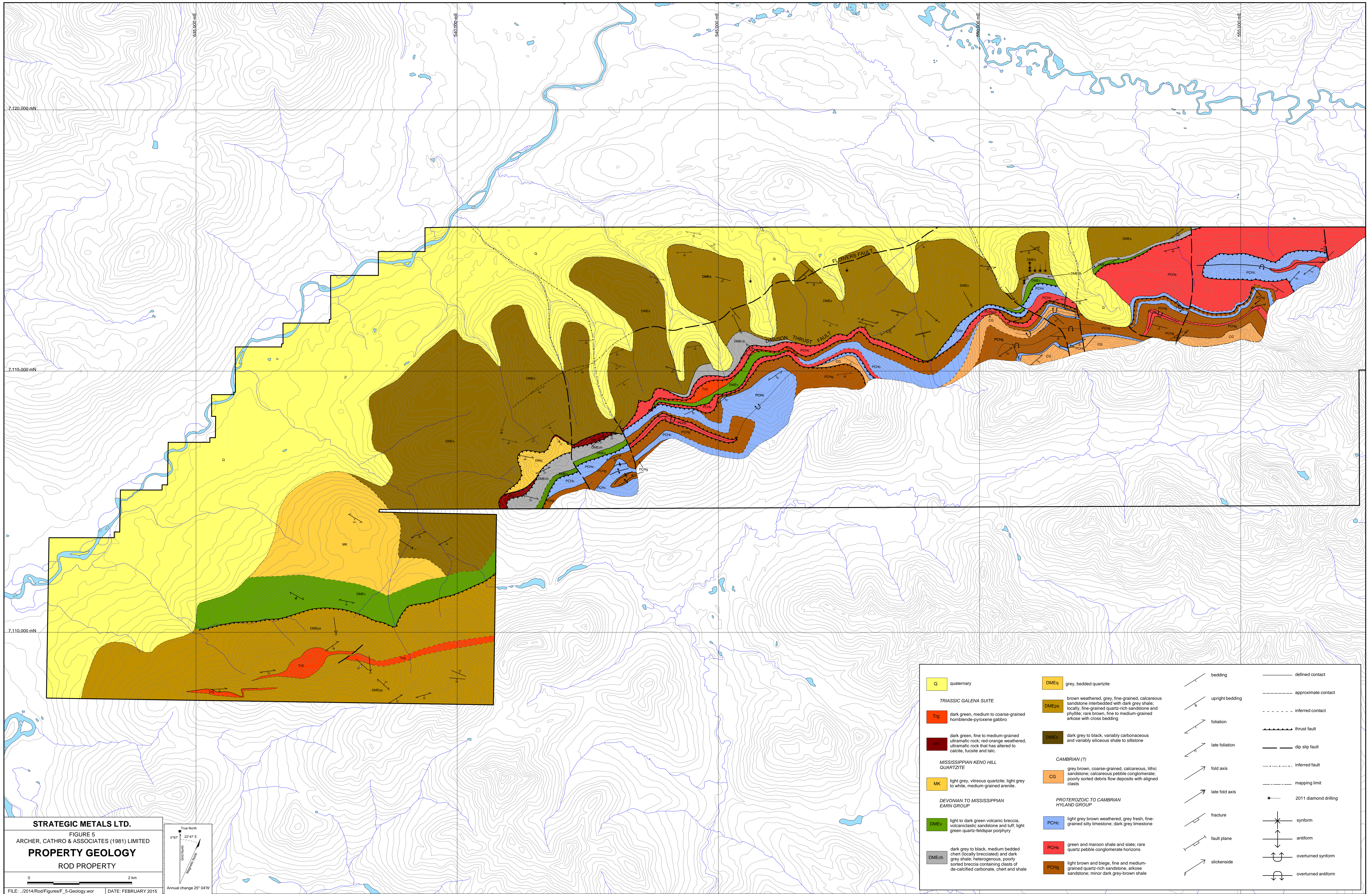


**STRATEGIC METALS LTD.**

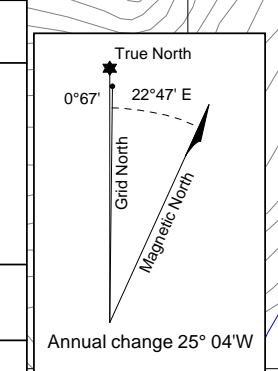
FIGURE 2  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**CLAIM LOCATIONS**  
**ROD PROPERTY**

0 2 km  
 UTM ZONE 8, NAD 83, 106 C04 and D01

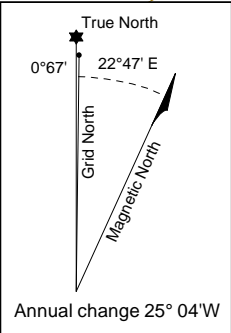
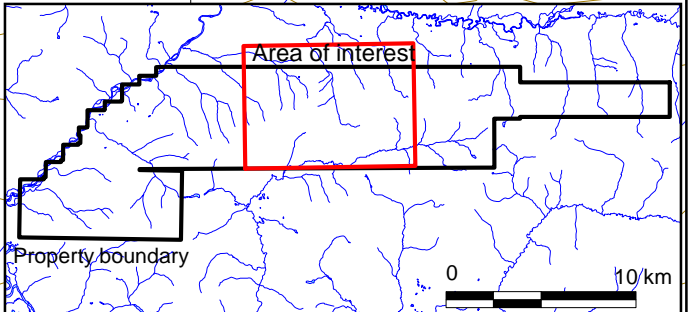
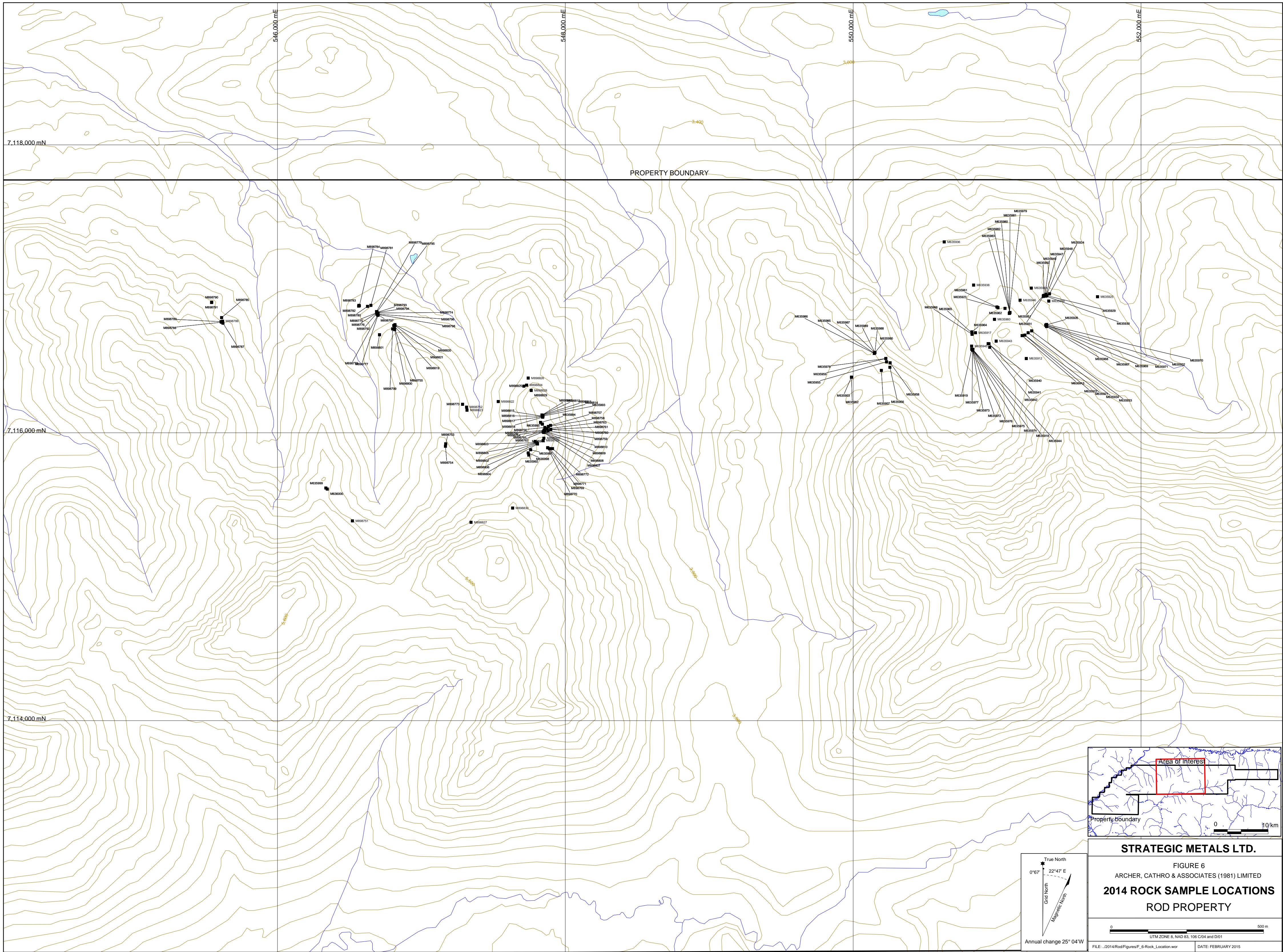




**STRATEGIC METALS LTD.**  
 FIGURE 5  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**PROPERTY GEOLOGY**  
 ROD PROPERTY  
 0 2 km  
 FILE: .\2014\Rod\Figures\F\_5-Geology.wor DATE: FEBRUARY 2015



<b>Q</b> quaternary	<b>DMEq</b> grey, bedded quartzite	bedding	defined contact
<b>TRIASSIC GALENA SUITE</b>	<b>DMEps</b> brown weathered, grey, fine-grained, calcareous sandstone interbedded with dark grey shale; locally, fine-grained quartz-rich sandstone and phyllite; rare brown, fine to medium-grained arkose with cross bedding	upright bedding	approximate contact
<b>TIG</b> dark green, medium to coarse-grained hornblende-pyroxene gabbro	<b>DMEs</b> dark grey to black, variably carbonaceous and variably siliceous shale to siltstone	foliation	inferred contact
<b>UH</b> dark green, fine to medium-grained ultramafic rock; red-orange weathered, ultramafic rock that has altered to calcite, fucsite and talc.	<b>CAMBRIAN (?)</b>	late foliation	thrust fault
<b>MISSISSIPPIAN KENO HILL QUARTZITE</b>	<b>CG</b> grey brown, coarse-grained, calcareous, lithic sandstone; calcareous pebble conglomerate; poorly sorted debris flow deposits with aligned clasts	fold axis	dip slip fault
<b>MK</b> light grey, vitreous quartzite; light grey to white, medium-grained arenite.	<b>PROTEROZOIC TO CAMBRIAN HYLAND GROUP</b>	late fold axis	inferred fault
<b>DEVONIAN TO MISSISSIPPIAN EARN GROUP</b>	<b>PCHc</b> light grey brown weathered, grey fresh, fine-grained silty limestone; dark grey limestone	fracture	mapping limit
<b>DMEv</b> light to dark green volcanic breccia, volcanoclastic sandstone and tuff; light green quartz-felspar porphyry	<b>PCHs</b> green and maroon shale and slate; rare quartz pebble conglomerate horizons	fault plane	2011 diamond drilling
<b>DMEch</b> dark grey to black, medium bedded chert (locally brecciated) and dark grey shale; heterogeneous, poorly sorted breccia containing clasts of de-calcified carbonate, chert and shale	<b>PCHa</b> light brown and beige, fine and medium-grained quartz-rich sandstone, arkose sandstone, minor dark grey-brown shale	slickenside	synform
			antiform
			overturned synform
			overturned antiform



**STRATEGIC METALS LTD.**

FIGURE 6  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**2014 ROCK SAMPLE LOCATIONS**  
**ROD PROPERTY**

0 500 m  
 UTM ZONE 8, NAD 83, 106 C/D4 and D/D1

FILE: ..2014RodFiguresF\_6-Rock\_Location.wrx DATE: FEBRUARY 2015

Rose Zone											
2014											
Sample #	Sample type	Ag (g/t)	Pb (%)	Zn (%)	Au (g/t)	Cu (ppm)	As (ppm)	Ni (ppm)	V (ppm)	Sb (ppm)	Mo (ppm)
M898775	Composite	0.96	<0.01	0.21	0.005	107	1085	1935	290	73.9	156

2011											
Sample #	Sample type	Ag (g/t)	Pb (%)	Zn (%)	Au (g/t)	Cu (ppm)	As (ppm)	Ni (ppm)	V (ppm)	Sb (ppm)	Mo (ppm)
I078342	Float grab	229	7.59	0.091	0.017	477	599	49.9	91	418	41.8
I078344	Float grab	539	1.15	0.69	0.001	2450	4010	497	4950	5910	465
I078370	Composite	7.94	0.02	1.00	0.009	510	2580	3390	755	122	208

Pearl Zone											
2014											
Sample #	Sample type	Ag (g/t)	Pb (%)	Zn (%)	Au (g/t)	Cu (ppm)	As (ppm)	Ni (ppm)	V (ppm)	Sb (ppm)	Mo (ppm)
M898802	Composite	4410	79.48	0.01	0.11	689	64.5	53	113	4750	26
M898803	Float grab	6.15	0.088	0.47	0.01	397	415	1195	530	49.1	81
M898804	Composite	6.37	0.099	1.35	0.01	519	593	1455	493	231	94.2
M898829	Outcrop grab	0.81	<0.01	2.34	0.005	148	33.5	296	999	113	11.75
M898757	Float grab	1.35	<0.01	3.91	0.005	201	54.9	36.8	65	20.1	0.51
M898760	Outcrop grab	10.7	<0.01	3.39	0.0025	1295	456	229	577	64.2	5.58

JRS Zone											
2014											
Sample #	Sample type	Ag (g/t)	Pb (%)	Zn (%)	Au (g/t)	Cu (ppm)	As (ppm)	Ni (ppm)	V (ppm)	Sb (ppm)	Mo (ppm)
M635959	Outcrop grab	1.55	<0.01	1.51	0.0025	915	59.2	2000	213	11.05	24.5
M635978	Outcrop grab	1.45	<0.01	1.96	0.0025	759	67.7	1830	161	15.75	23.8
M635988	Pit grab	92.2	2.21	0.12	0.005	47.7	85.8	6.7	15	72.5	151

2010											
Sample #	Sample type	Ag (g/t)	Pb (%)	Zn (%)	Au (g/t)	Cu (ppm)	As (ppm)	Ni (ppm)	V (ppm)	Sb (ppm)	Mo (ppm)
G285905	Float grab	301	6.14	0.049	0.003	411	1765	1110	135	348	250

Violet Zone											
2014											
Sample #	Sample type	Ag (g/t)	Pb (%)	Zn (%)	Au (g/t)	Cu (ppm)	As (ppm)	Ni (ppm)	V (ppm)	Sb (ppm)	Mo (ppm)
M898787	Composite	2.08	<0.01	3.53	0.005	101	116	3860	1080	14.55	12.8
M898788	Float grab	1.08	<0.01	0.2	0.005	4940	194.5	47.1	2500	14.8	16.45

Hermes Zone											
2011											
Sample #	Sample type	Ag (g/t)	Pb (%)	Zn (%)	Au (g/t)	Cu (ppm)	As (ppm)	Ni (ppm)	V (ppm)	Sb (ppm)	Mo (ppm)
I078410	Composite	0.26	5.3	3.2	1.21	0.8	0.1	120	0.08	0.7	0.01
I078413	Float grab	0.33	5.1	15.4	3.28	2.48	0.1	620	0.05	6.3	0.03

Odyssey Zone											
2014											
Sample #	Sample type	Ag (g/t)	Pb (%)	Zn (%)	Au (g/t)	Cu (ppm)	As (ppm)	Ni (ppm)	V (ppm)	Sb (ppm)	Mo (ppm)
M635923	Float grab	0.52	0.052	5.45	0.0025	3.6	26.2	532	25	5.9	0.88
M635930	Float grab	1250	55.42	0.019	0.147	120.5	6210	1.1	8	1530	3.75
M635949	Composite	589	23.24	0.025	0.096	157	5600	7	13	525	3.02
M635950	Composite	446	17.7	0.036	0.03	50.2	2620	8.6	15	403	3.07
M635972	Pit grab	30.5	0.13	0.16	0.037	326	3150	1130	98	76.3	2.82
M635973	Pit grab	0.22	<0.01	0.03	0.0025	12.8	83.7	1690	31	0.33	0.89
M635974	Pit grab	49.3	1.245	0.19	0.018	273	2360	1010	46	108	1.78
M635982	Pit grab	1.46	<0.01	0.055	0.0025	21	1500	1045	13	15	0.59

2010											
Sample #	Sample type	Ag (g/t)	Pb (%)	Zn (%)	Au (g/t)	Cu (ppm)	As (ppm)	Ni (ppm)	V (ppm)	Sb (ppm)	Mo (ppm)
G285902	Composite	1855	43.03	0.20	0.003	3060	1165	48	959	2660	1820
G285903	Float grab	245	3.23	0.54	0.007	2460	1180	29	339	>10000	172
G285904	Float grab	2370	76.85	0.13	0.007	1260	520	1	25	3140	42
H248830	Composite	1760	6.12	0.25	0.094	2730	3730	2	106	9400	37
H248831	Composite	1670	70.88	0.28	0.011	1115	725	0.5	29	2350	79
H248838	Float grab	32.6	0.84	0.17	0.006	241	252	52	258	210	25
H248839	Composite	41.8	1.23	0.023	0.007	127	189	10	152	122	24
H248842	Bedrock chip (0.37 m)	1390	30.73	0.11	0.006	1565	549	26	522	2100	349
H248848	Float grab	869	37.2	0.19	0.081	259	33200	12	64	1040	27

Calypso Vein											
2014											
Sample #	Sample type	Ag (g/t)	Pb (%)	Zn (%)	Au (g/t)	Cu (ppm)	As (ppm)	Ni (ppm)	V (ppm)	Sb (ppm)	Mo (ppm)
M635912	Subcrop grab	1.25	<0.01	18.95	0.0025	132	301	3.4	0.5	48.6	1.02
M635926	Pit grab	1505	60.74	7.05	0.0025	2760	1530	8.8	5	2600	1.04
M635932	Pit grab	46.8	2.03	0.62	0.006	44.2	1380	6	20	48.8	0.26
M635967	Pit grab	1855	59.9	8.42	0.0025	10700	3810	8.8	4	>10000	0.55
M635970	Pit grab	5.24	0.056	0.77	0.014	89.1	7300	31.1	31	22.3	0.23
M635971	Pit grab	23.1	0.67	3.57	0.014	155.5	8000	15.9	34	292	0.44

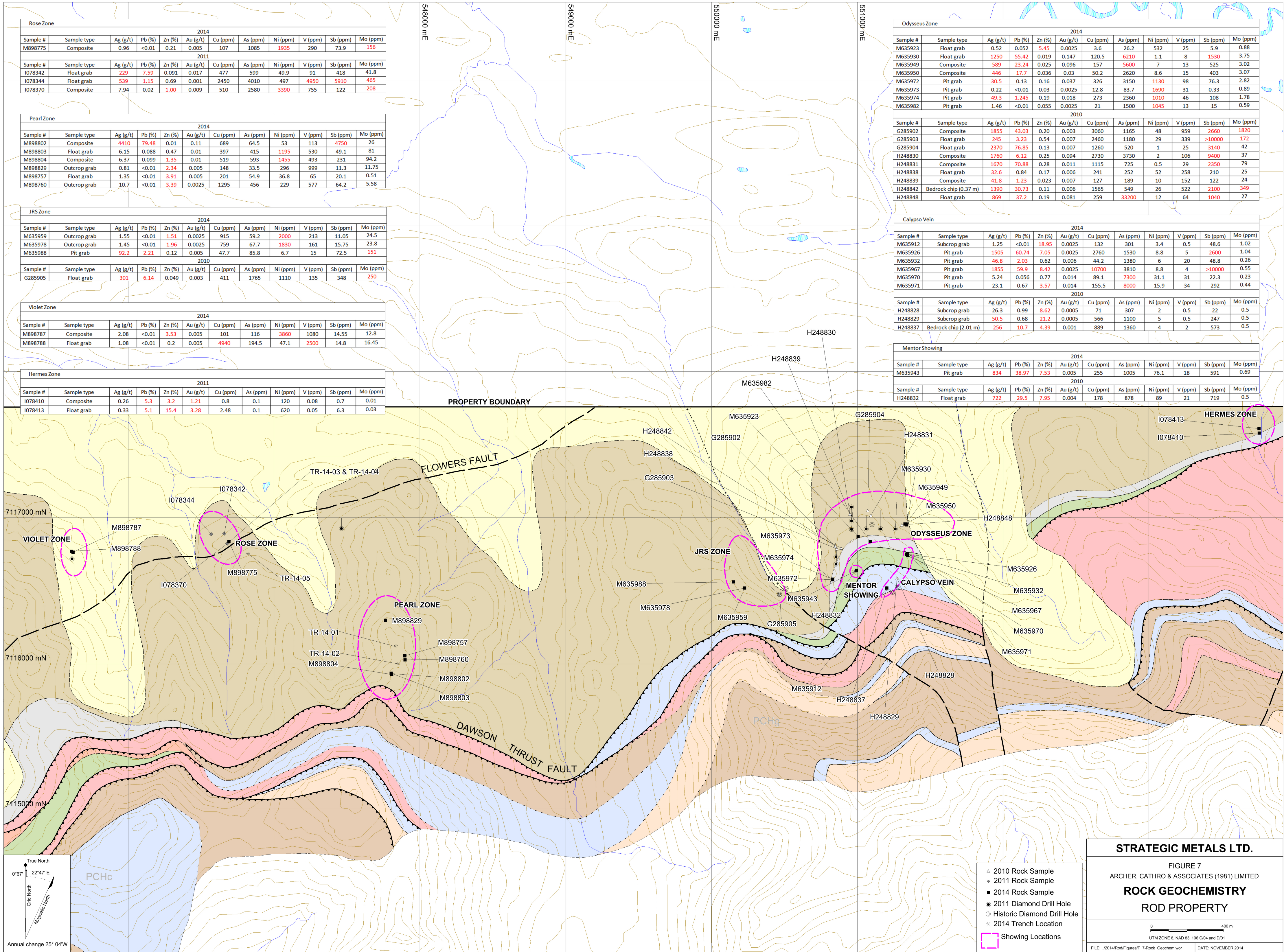
  

2010											
Sample #	Sample type	Ag (g/t)	Pb (%)	Zn (%)	Au (g/t)	Cu (ppm)	As (ppm)	Ni (ppm)	V (ppm)	Sb (ppm)	Mo (ppm)
H248828	Subcrop grab	26.3	0.99	8.62	0.0005	71	307	2	0.5	22	0.5
H248829	Subcrop grab	50.5	0.68	21.2	0.0005	566	1100	5	0.5	247	0.5
H248837	Bedrock chip (2.01 m)	256	10.7	4.39	0.001	889	1360	4	2	573	0.5

Mentor Showing											
2014											
Sample #	Sample type	Ag (g/t)	Pb (%)	Zn (%)	Au (g/t)	Cu (ppm)	As (ppm)	Ni (ppm)	V (ppm)	Sb (ppm)	Mo (ppm)
M635943	Pit grab	834	38.97	7.53	0.005	255	1005	76.1	18	591	0.69

2010											
Sample #	Sample type	Ag (g/t)	Pb (%)	Zn (%)	Au (g/t)	Cu (ppm)	As (ppm)	Ni (ppm)	V (ppm)	Sb (ppm)	Mo (ppm)
H248832	Float grab	722	29.5	7.95	0.004	178	878	89	21	719	0.5



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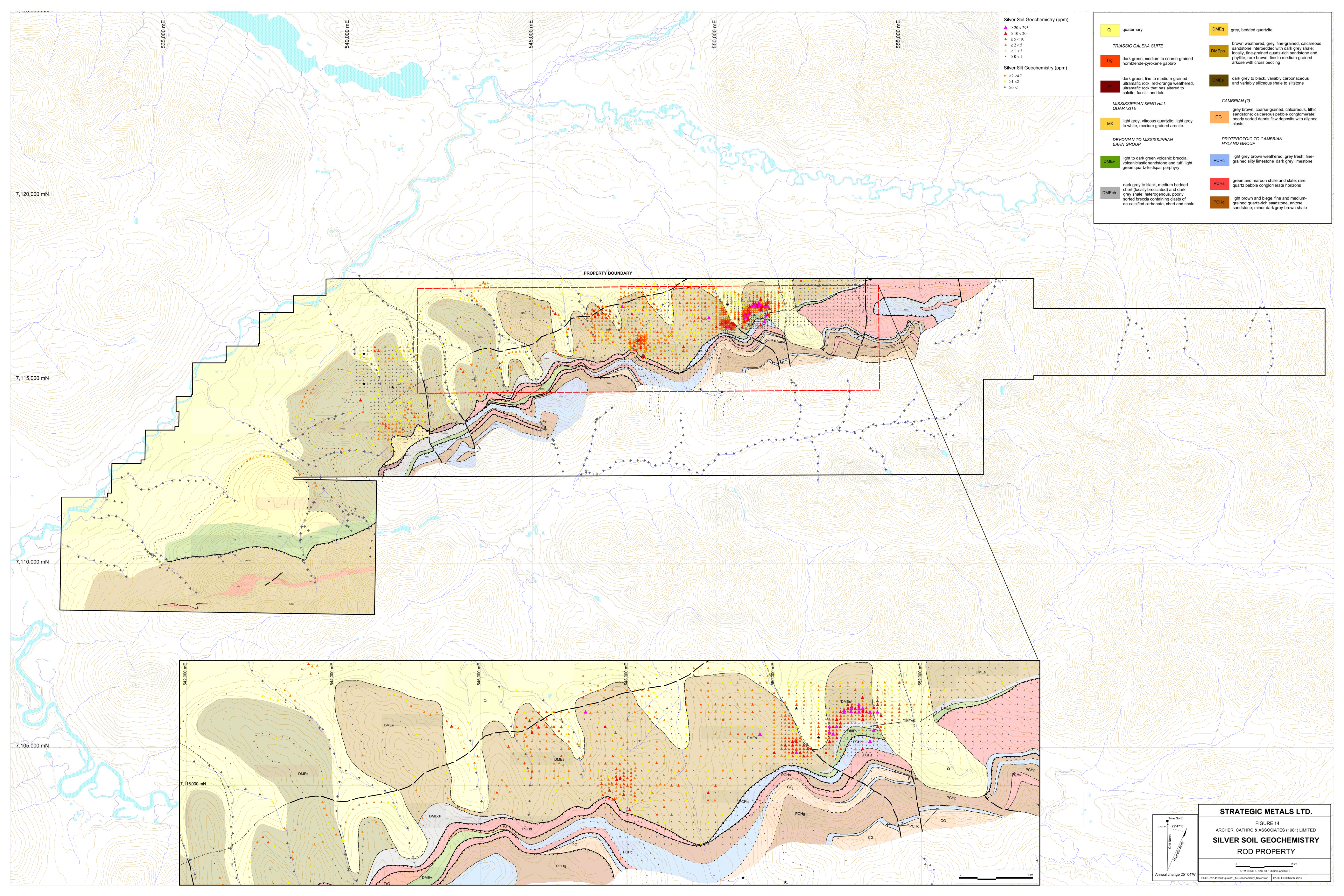
FIGURE 7  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**ROCK GEOCHEMISTRY  
ROD PROPERTY**

0 400 m  
UTM ZONE 8, NAD 83, 106 C04 and D10

▲ 2010 Rock Sample  
 ◆ 2011 Rock Sample  
 ■ 2014 Rock Sample  
 ● 2011 Diamond Drill Hole  
 ○ Historic Diamond Drill Hole  
 ⊗ 2014 Trench Location  
 □ Showing Locations

True North  
0°67' 22°47' E  
Magnetic North  
Annual change 25" 04W



Silver Soil Geochemistry (ppm)

- ▲ ≥ 20 < 203
- ▲ ≥ 5 < 10
- ▲ ≥ 2 < 5
- ▲ ≥ 1 < 2
- ≥ 0 < 1

Silver Silt Geochemistry (ppm)

- ≥ 2 < 4.7
- ≥ 1 < 2
- ≥ 0 < 1

Q	quaternary	DMEq	grey, bedded quartzite
<b>TRIASSIC GALENA SUITE</b>			
Trg	dark green, medium to coarse-grained hornblende-pyroxene gabbro	DMEps	brown weathered, grey, fine-grained, calcareous sandstone interbedded with dark grey shale; locally, fine-grained quartz-rich sandstone and phyllite; rare brown, fine to medium-grained arkose with cross bedding
U	dark green, fine to medium-grained ultramafic rock; red-orange weathered, ultramafic rock that has altered to calcite, fucsite and talc.	DMEs	dark grey to black, variably carbonaceous and variably siliceous shale to siltstone
<b>MISSISSIPPIAN KENO HILL QUARTZITE</b>			
MK	light grey, vitreous quartzite; light grey to white, medium-grained arenite.	CG	grey brown, coarse-grained, calcareous, lithic sandstone; calcareous pebble conglomerate; poorly sorted debris flow deposits with aligned clasts
<b>DEVONIAN TO MISSISSIPPIAN EARN GROUP</b>			
DMEv	light to dark green volcanic breccia, volcanoclastic sandstone and tuff; light green quartz-feldspar porphyry	PCHc	light grey brown weathered, grey fresh, fine-grained silty limestone; dark grey limestone
DMEch	dark grey to black, medium bedded chert (locally brecciated) and dark grey shale; heterogeneous, poorly sorted breccia containing clasts of de-calcified carbonate, chert and shale	PCHs	green and maroon shale and slate; rare quartz pebble conglomerate horizons
		PCHg	light brown and beige, fine and medium-grained quartz-rich sandstone, arkose sandstone; minor dark grey-brown shale

PROPERTY BOUNDARY

**STRATEGIC METALS LTD.**

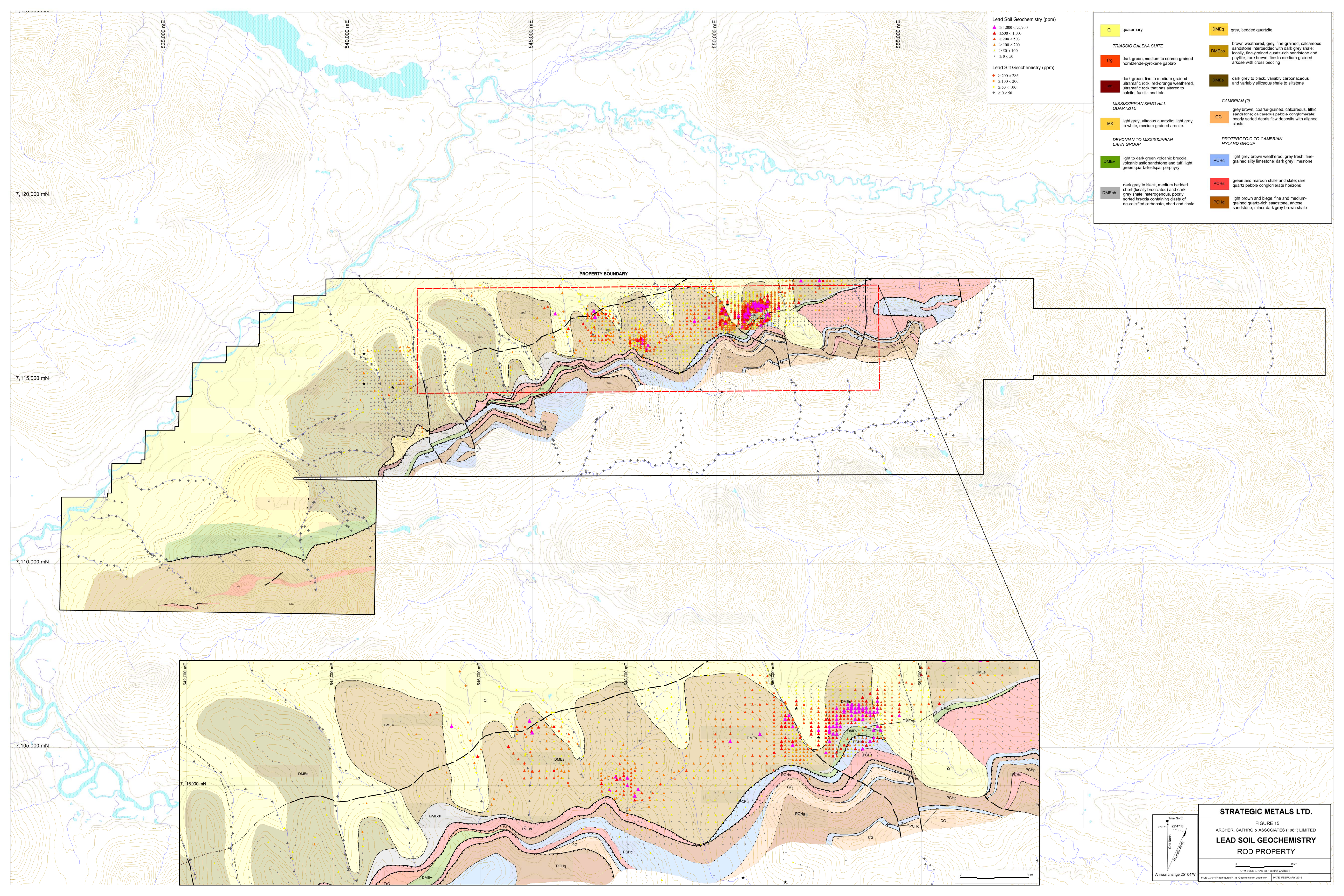
FIGURE 14  
ARCHER, CATIRO & ASSOCIATES (1981) LIMITED  
**SILVER SOIL GEOCHEMISTRY**  
ROD PROPERTY

True North  
0°16' E  
Grid North  
22°47' E  
Magnetic North

0 1 km

UTM ZONE 8, NAD 83, 100 Grid and D81  
FILE: 2014RodFigures\F\_14\_Geochemistry\_Silver.mxd DATE: FEBRUARY 2015

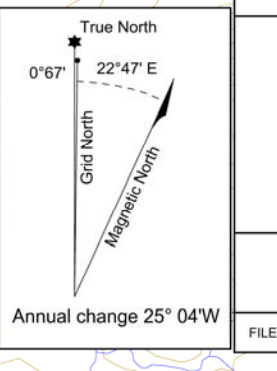




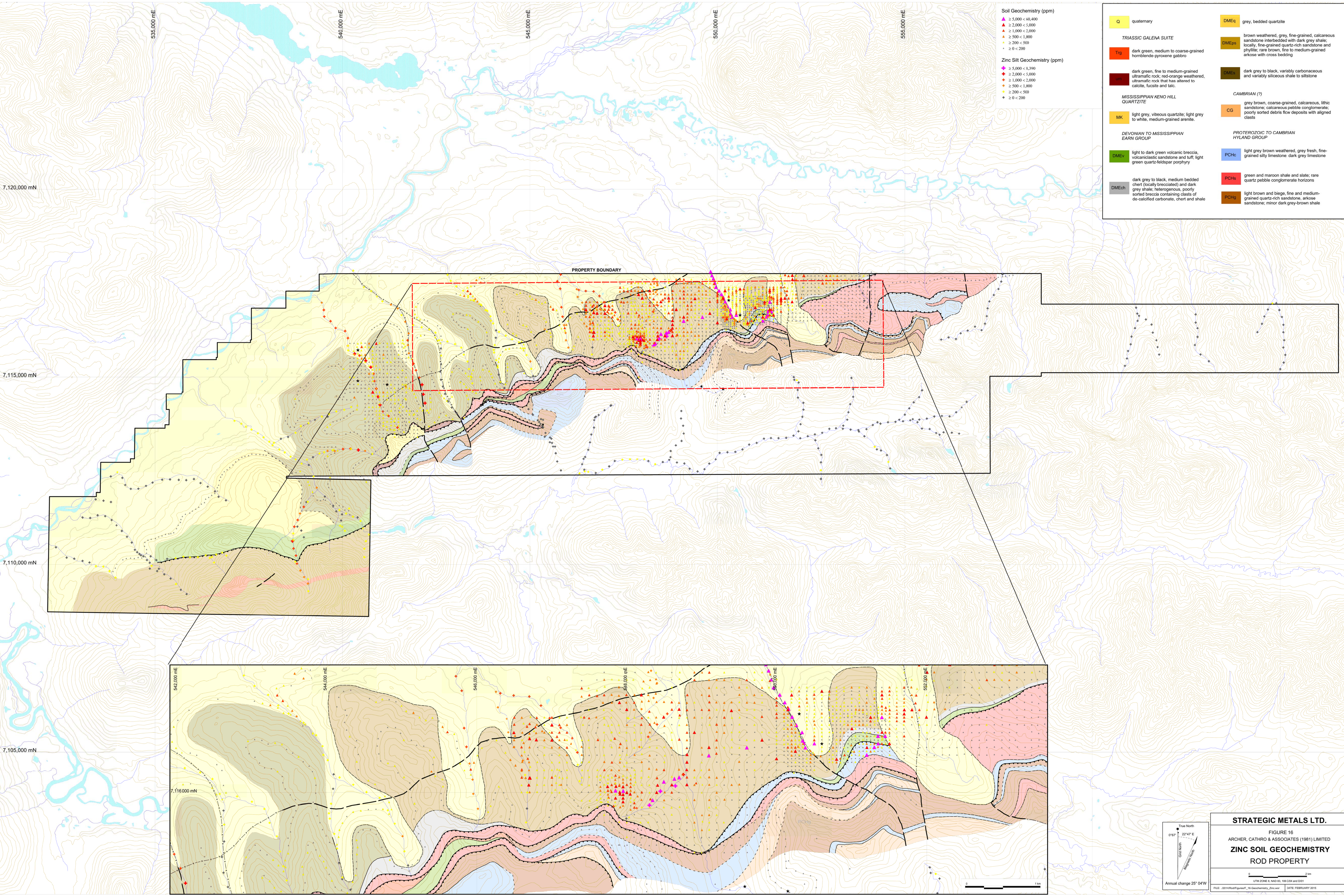
PROPERTY BOUNDARY

STRATEGIC METALS LTD.

FIGURE 15  
 ARCHER, CATIRO & ASSOCIATES (1981) LIMITED  
**LEAD SOIL GEOCHEMISTRY**  
 ROD PROPERTY



UTM ZONE 8, NAD 83, 10S CGA and D01  
 FILE: \\014\roff\figures\15\_Geochemistry\_Lead.wor DATE: FEBRUARY 2015



**Soil Geochemistry (ppm)**

- ▲ ≥ 5,000 < 60,400
- ▲ ≥ 2,000 < 5,000
- ▲ ≥ 1,000 < 2,000
- ▲ ≥ 500 < 1,000
- ▲ ≥ 200 < 500
- ≥ 0 < 200

**Zinc Silt Geochemistry (ppm)**

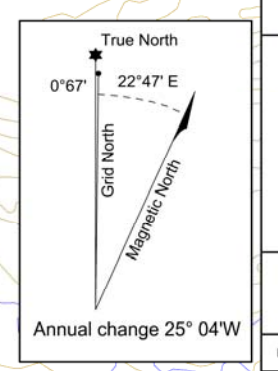
- ▲ ≥ 5,000 < 8,390
- ▲ ≥ 2,000 < 5,000
- ▲ ≥ 1,000 < 2,000
- ▲ ≥ 500 < 1,000
- ▲ ≥ 200 < 500
- ≥ 0 < 200

<b>Q</b>	quaternary	<b>DMEq</b>	grey, bedded quartzite
<b>TRIASSIC GALENA SUITE</b>			
<b>Trg</b>	dark green, medium to coarse-grained hornblende-pyroxene gabbro	<b>DMEps</b>	brown weathered, grey, fine-grained, calcareous sandstone interbedded with dark grey shale; locally, fine-grained quartz-rich sandstone and phyllite; rare brown, fine to medium-grained arkose with cross bedding
<b>Trp</b>	dark green, fine to medium-grained ultramafic rock; red-orange weathered, ultramafic rock that has altered to calcite, fucsite and talc.	<b>DMEs</b>	dark grey to black, variably carbonaceous and variably siliceous shale to siltstone
<b>MISSISSIPPIAN KENO HILL QUARTZITE</b>			
<b>MK</b>	light grey, vitreous quartzite; light grey to white, medium-grained arenite.	<b>CG</b>	grey brown, coarse-grained, calcareous, lithic sandstone; calcareous pebble conglomerate; poorly sorted debris flow deposits with aligned clasts
<b>DEVONIAN TO MISSISSIPPIAN EARN GROUP</b>			
<b>DMEv</b>	light to dark green volcanic breccia, volcanoclastic sandstone and tuff; light green quartz-feldspar porphyry	<b>PCHc</b>	light grey brown weathered, grey fresh, fine-grained silty limestone; dark grey limestone
<b>DMEch</b>	dark grey to black, medium bedded chert (locally brecciated) and dark grey shale; heterogeneous, poorly sorted breccia containing clasts of de-calcified carbonate, chert and shale	<b>PCHs</b>	green and maroon shale and slate; rare quartz pebble conglomerate horizons
		<b>PCHt</b>	light brown and beige, fine and medium-grained quartz-rich sandstone, arkose sandstone; minor dark grey-brown shale
		<b>CAMBRIAN (?)</b>	
		<b>PROTEROZOIC TO CAMBRIAN HYLAND GROUP</b>	

PROPERTY BOUNDARY

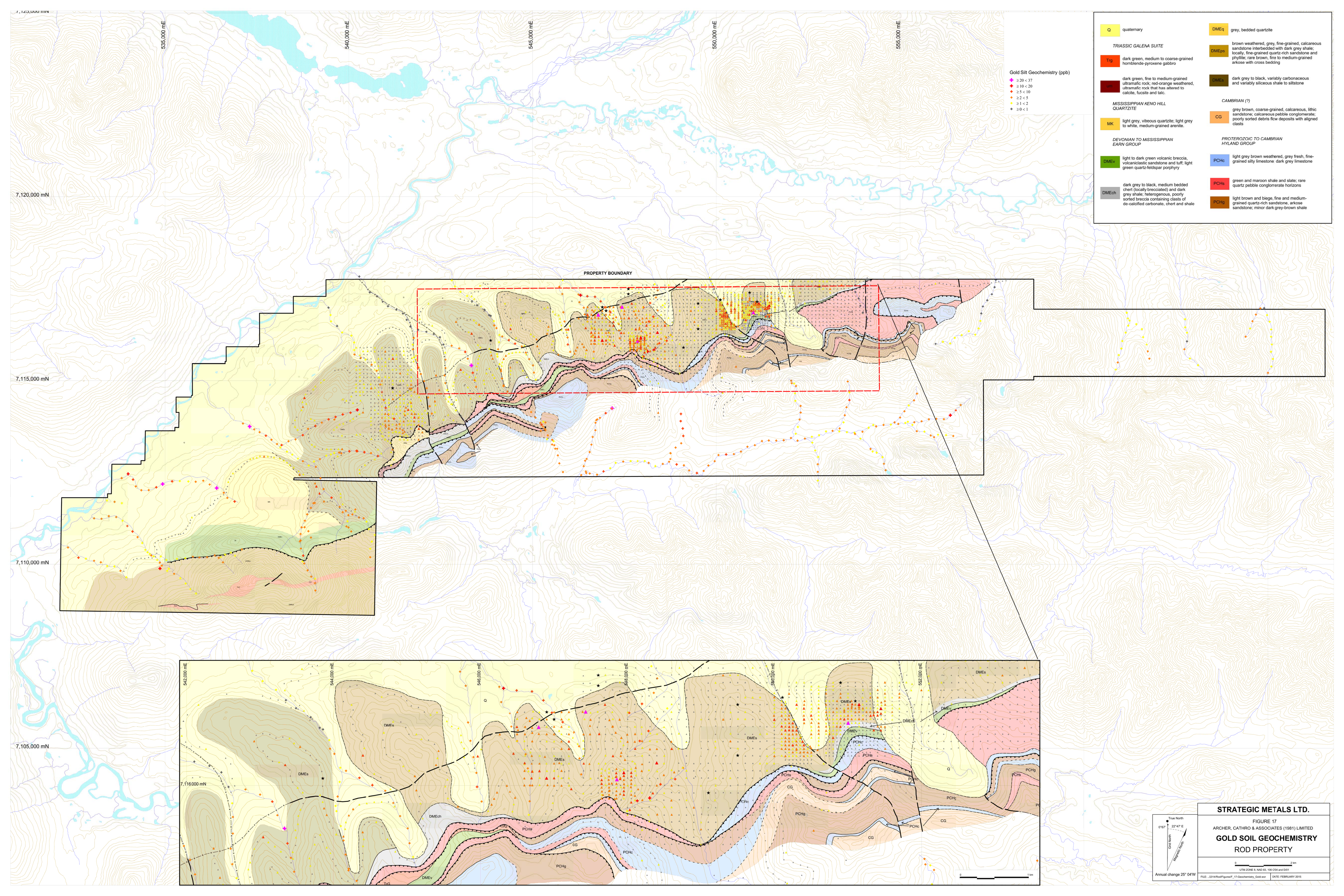
**STRATEGIC METALS LTD.**

FIGURE 16  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ZINC SOIL GEOCHEMISTRY**  
 ROD PROPERTY



UTM ZONE 8, NAD 83, 100 004 and 081  
 FILE: (014)RodFigure16\_ZincGeochem\_20c.mxd DATE: FEBRUARY 2015





Q	quaternary	DMEq	grey, bedded quartzite
<b>TRIASSIC GALENA SUITE</b>			
Tg	dark green, medium to coarse-grained hornblende-pyroxene gabbro	DMEp	brown weathered, grey, fine-grained, calcareous sandstone interbedded with dark grey shale; locally, fine-grained quartz-rich sandstone and phyllite; rare brown, fine to medium-grained arkose with cross bedding
U	dark green, fine to medium-grained ultramafic rock; red-orange weathered, ultramafic rock that has altered to calcite, fucsite and talc.	DMEs	dark grey to black, variably carbonaceous and variably siliceous shale to siltstone
<b>MISSISSIPPIAN KENO HILL QUARTZITE</b>			
MK	light grey, vitreous quartzite; light grey to white, medium-grained arenite.	CG	grey brown, coarse-grained, calcareous, lithic sandstone; calcareous pebble conglomerate; poorly sorted debris flow deposits with aligned clasts
<b>DEVONIAN TO MISSISSIPPIAN EARN GROUP</b>			
DMEv	light to dark green volcanic breccia, volcanoclastic sandstone and tuff; light green quartz-feldspar porphyry	PCHc	light grey brown weathered, grey fresh, fine-grained silty limestone; dark grey limestone
DMEch	dark grey to black, medium bedded chert (locally brecciated) and dark grey shale; heterogeneous, poorly sorted breccia containing clasts of de-calcified carbonate, chert and shale	PCHs	green and maroon shale and slate; rare quartz pebble conglomerate horizons
<b>CAMBRIAN (?)</b>			
<b>PROTEROZOIC TO CAMBRIAN HYLAND GROUP</b>			
PCHg			
light brown and beige, fine and medium-grained quartz-rich sandstone, arkose sandstone; minor dark grey-brown shale			

**Gold Silt Geochemistry (ppb)**

◆	≥ 20 < 37
◆	≥ 10 < 20
◆	≥ 5 < 10
◆	≥ 2 < 5
◆	≥ 1 < 2
◆	≥ 0 < 1

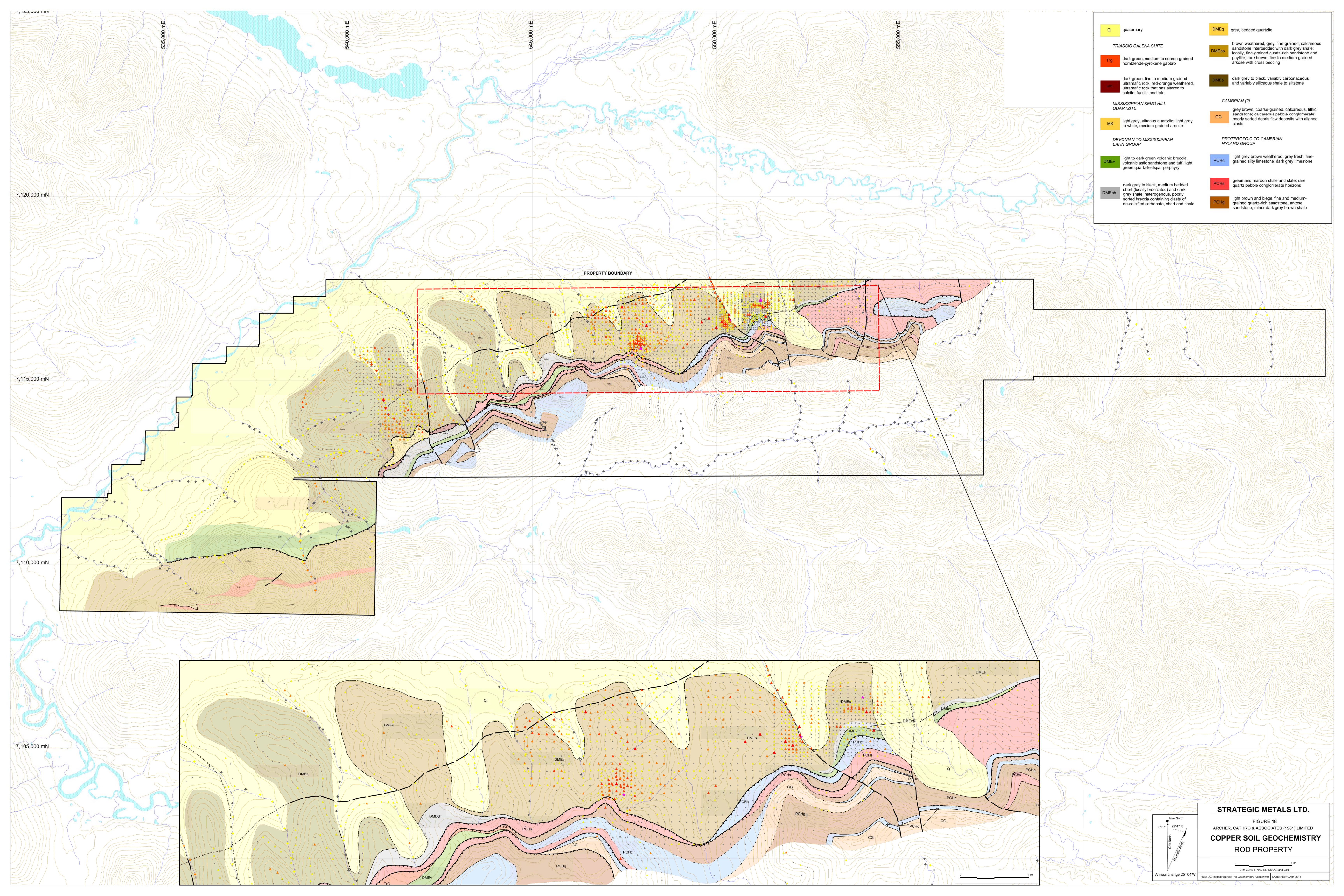
PROPERTY BOUNDARY

**STRATEGIC METALS LTD.**

FIGURE 17  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**GOLD SOIL GEOCHEMISTRY**  
 ROD PROPERTY

0 2 km

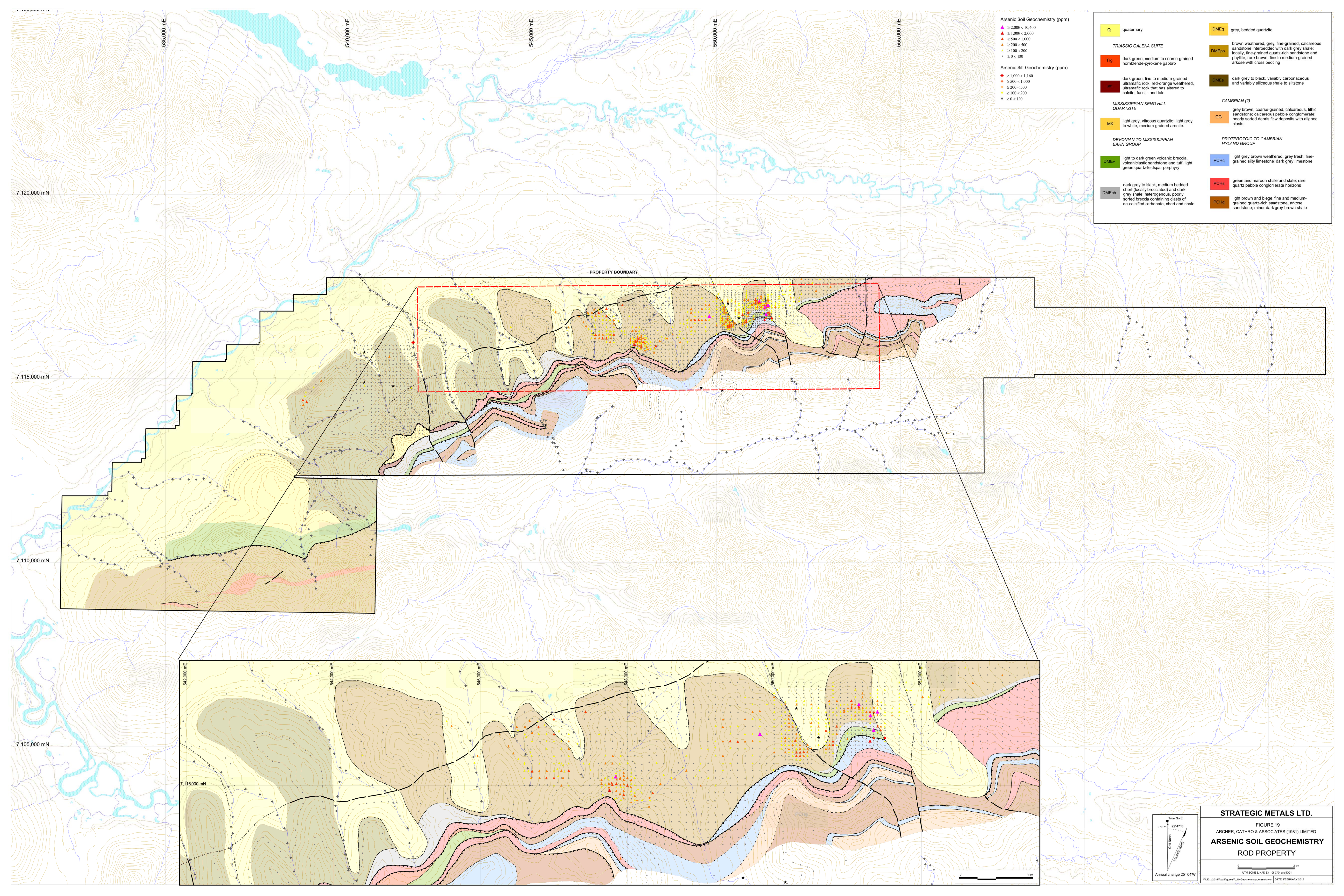
UTM ZONE 8, NAD 83, 100 000 and 500 000  
 FILE: 2014RodFigures\_17\_Geochemistry\_Gold.swp DATE: FEBRUARY 2015



Q	quaternary	DMEq	grey, bedded quartzite
<b>TRIASSIC GALENA SUITE</b>			
Trg	dark green, medium to coarse-grained hornblende-pyroxene gabbro	DMEps	brown weathered, grey, fine-grained, calcareous sandstone interbedded with dark grey shale; locally, fine-grained quartz-rich sandstone and phyllite; rare brown, fine to medium-grained arkose with cross bedding
Trp	dark green, fine to medium-grained ultramafic rock; red-orange weathered, ultramafic rock that has altered to calcite, fucsite and talc.	DMEs	dark grey to black, variably carbonaceous and variably siliceous shale to siltstone
<b>MISSISSIPPIAN KENO HILL QUARTZITE</b>			
MK	light grey, vitreous quartzite; light grey to white, medium-grained arenite.	CG	grey brown, coarse-grained, calcareous, lithic sandstone; calcareous pebble conglomerate; poorly sorted debris flow deposits with aligned clasts
<b>DEVONIAN TO MISSISSIPPIAN EARN GROUP</b>			
DMEv	light to dark green volcanic breccia, volcanoclastic sandstone and tuff; light green quartz-feldspar porphyry	PCHc	light grey brown weathered, grey fresh, fine-grained silty limestone; dark grey limestone
DMEch	dark grey to black, medium bedded chert (locally brecciated) and dark grey shale; heterogeneous, poorly sorted breccia containing clasts of de-calcified carbonate, chert and shale	PCHs	green and maroon shale and slate; rare quartz pebble conglomerate horizons
<b>CAMBRIAN (?)</b>			
<b>PROTEROZOIC TO CAMBRIAN HYLAND GROUP</b>			
PCHg			
light brown and beige, fine and medium-grained quartz-rich sandstone, arkose sandstone; minor dark grey-brown shale			

PROPERTY BOUNDARY

**STRATEGIC METALS LTD.**  
 FIGURE 18  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**COPPER SOIL GEOCHEMISTRY ROD PROPERTY**  
  
 UTM ZONE 8, NAD 83, 100 000 and 500 000  
 FILE: \\2014\rod\fig18\_18\_Geochemistry\_Copper.mxd DATE: FEBRUARY 2015  
 Annual change 25' 04W



**Arsenic Soil Geochemistry (ppm)**

- ▲ ≥ 2,000 < 10,400
- ▲ ≥ 1,000 < 2,000
- ▲ ≥ 500 < 1,000
- ▲ ≥ 200 < 500
- ▲ ≥ 100 < 200
- ▲ ≥ 0 < 100

**Arsenic Silt Geochemistry (ppm)**

- ◆ ≥ 1,000 < 1,160
- ◆ ≥ 500 < 1,000
- ◆ ≥ 200 < 500
- ◆ ≥ 100 < 200
- ◆ ≥ 0 < 100

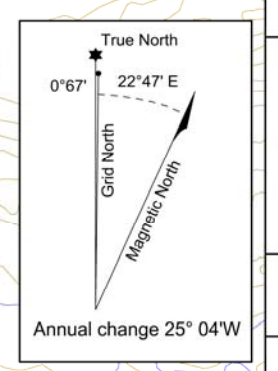
Q	quaternary	DMEq	grey, bedded quartzite
<b>TRIASSIC GALENA SUITE</b>			
Trg	dark green, medium to coarse-grained hornblende-pyroxene gabbro	DMEps	brown weathered, grey, fine-grained, calcareous sandstone interbedded with dark grey shale; locally, fine-grained quartz-rich sandstone and phyllite; rare brown, fine to medium-grained arkose with cross bedding
Trk	dark green, fine to medium-grained ultramafic rock; red-orange weathered, ultramafic rock that has altered to calcite, fucsite and talc.	DMEs	dark grey to black, variably carbonaceous and variably siliceous shale to siltstone
<b>MISSISSIPPIAN KENO HILL QUARTZITE</b>			
MK	light grey, vitreous quartzite; light grey to white, medium-grained arenite.	CG	grey brown, coarse-grained, calcareous, lithic sandstone; calcareous pebble conglomerate; poorly sorted debris flow deposits with aligned clasts
<b>DEVONIAN TO MISSISSIPPIAN EARN GROUP</b>			
DMEv	light to dark green volcanic breccia, volcanoclastic sandstone and tuff; light green quartz-feldspar porphyry	PCHc	light grey brown weathered, grey fresh, fine-grained silty limestone; dark grey limestone
DMEch	dark grey to black, medium bedded chert (locally brecciated) and dark grey shale; heterogeneous, poorly sorted breccia containing clasts of de-calcified carbonate, chert and shale	PCHs	green and maroon shale and slate; rare quartz pebble conglomerate horizons
		PCHg	light brown and beige, fine and medium-grained quartz-rich sandstone, arkose sandstone; minor dark grey-brown shale

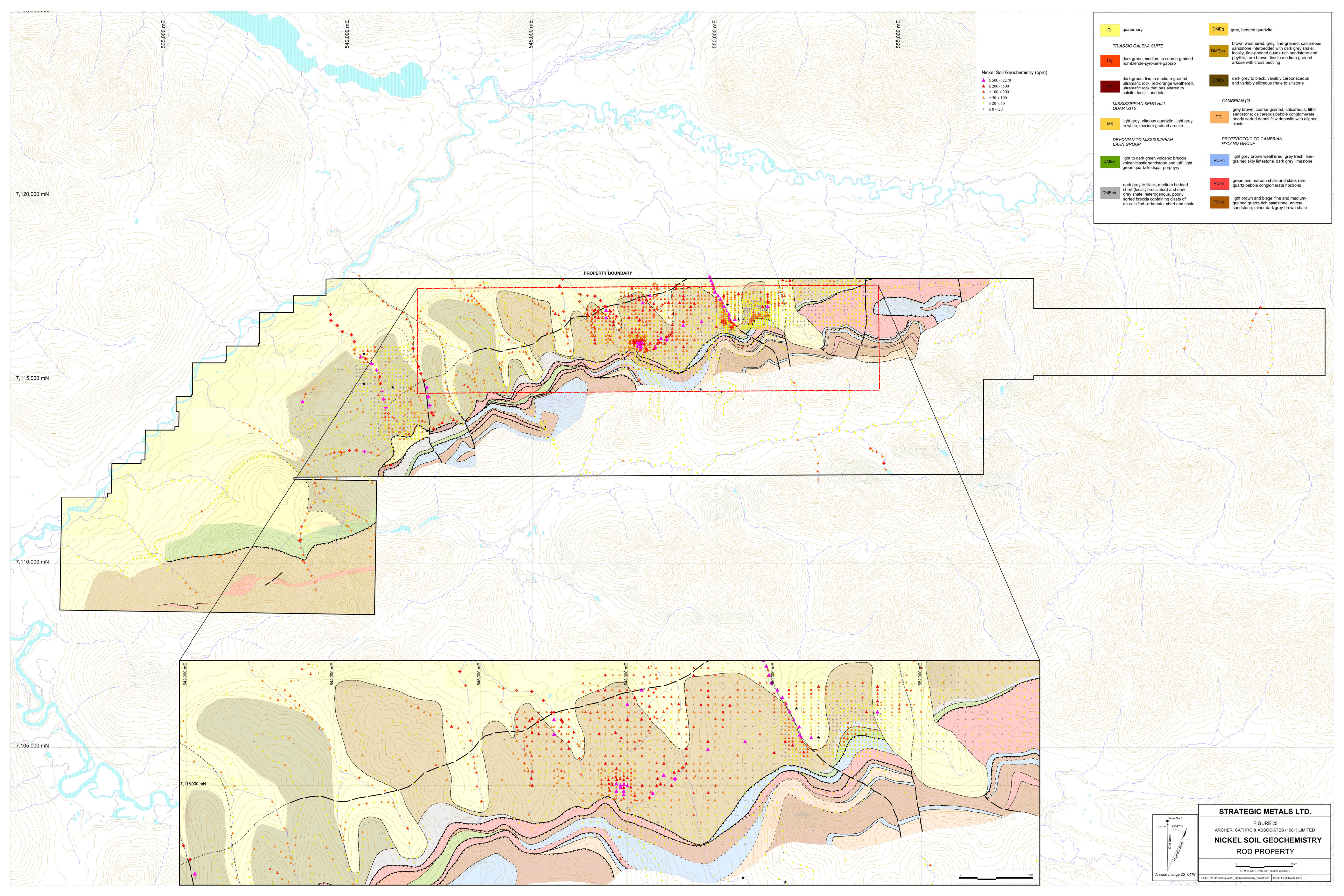
PROPERTY BOUNDARY

**STRATEGIC METALS LTD.**

FIGURE 19  
 ARCHER, CATRO & ASSOCIATES (1981) LIMITED  
**ARSENIC SOIL GEOCHEMISTRY**  
 ROD PROPERTY

UTM ZONE 8, NAD 83, 1983GR and 001  
 FILE: /2014/rod/figs/fig19\_Geochemistry\_Archer.sxd DATE: FEBRUARY 2015

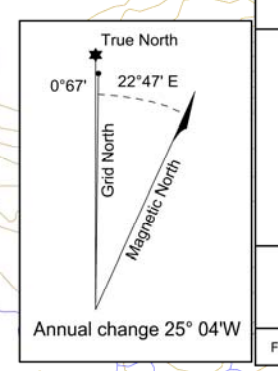




Nickel Soil Geochemistry (ppm)

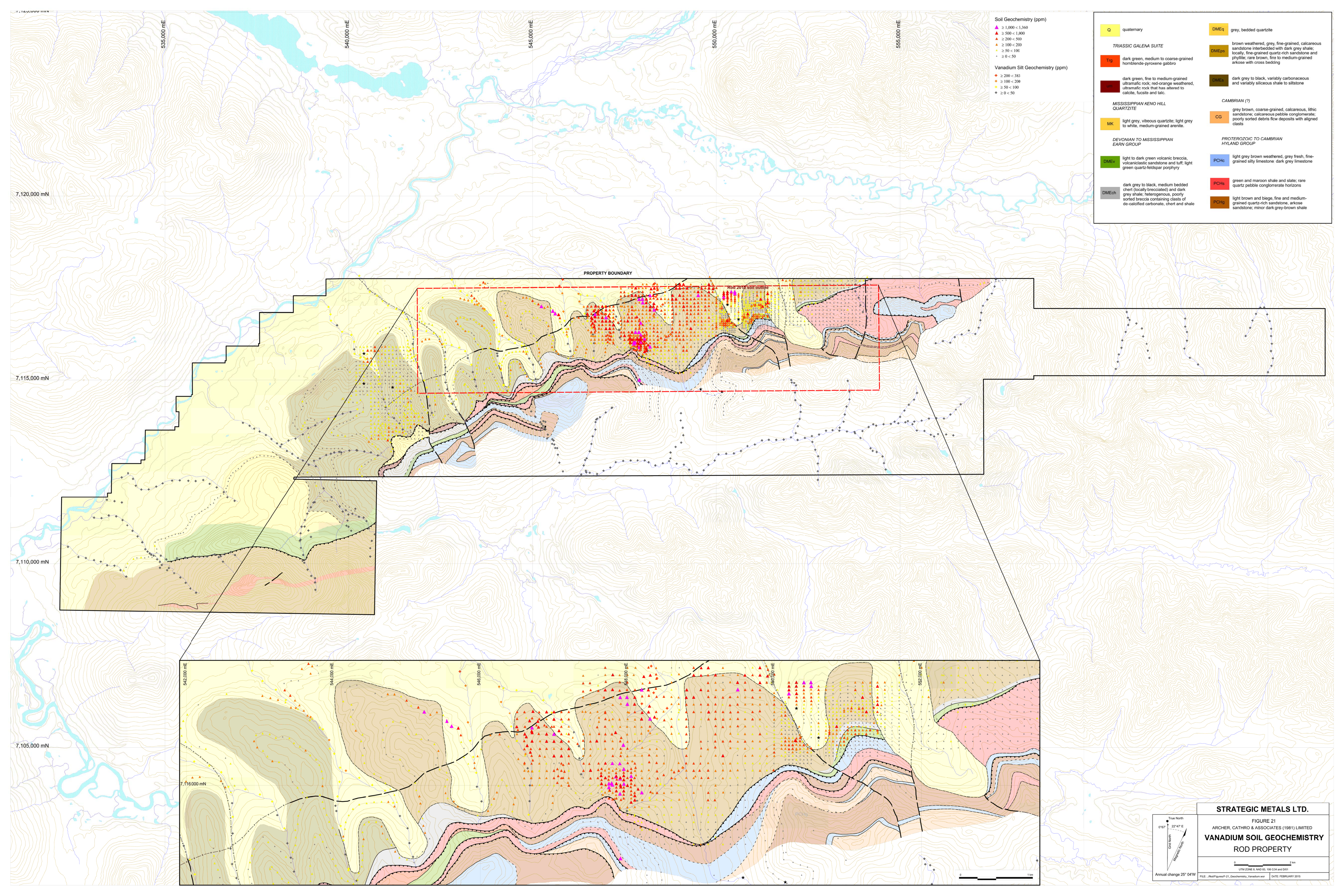
- ▲ ≥ 500 < 2270
- ▲ ≥ 200 < 500
- ▲ ≥ 100 < 200
- ▲ ≥ 50 < 100
- ▲ ≥ 20 < 50
- ≥ 0 < 20

Q	quaternary	DMEq	grey, bedded quartzite
<b>TRIASSIC GALENA SUITE</b>			
Ttg	dark green, medium to coarse-grained hornblende-pyroxene gabbro	DMEps	brown weathered, grey, fine-grained, calcareous sandstone interbedded with dark grey shale; locally, fine-grained quartz-rich sandstone and phyllite; rare brown, fine to medium-grained arkose with cross bedding
U	dark green, fine to medium-grained ultramafic rock; red-orange weathered, ultramafic rock that has altered to calcite, fucsite and talc.	DMEs	dark grey to black, variably carbonaceous and variably siliceous shale to siltstone
<b>MISSISSIPPIAN KENO HILL QUARTZITE</b>			
MK	light grey, vitreous quartzite; light grey to white, medium-grained arenite.	CG	grey brown, coarse-grained, calcareous, lithic sandstone; calcareous pebble conglomerate; poorly sorted debris flow deposits with aligned clasts
<b>DEVONIAN TO MISSISSIPPIAN EARN GROUP</b>			
DMEv	light to dark green volcanic breccia, volcanoclastic sandstone and tuff; light green quartz-feldspar porphyry	PCHc	light grey brown weathered, grey fresh, fine-grained silty limestone; dark grey limestone
DMEch	dark grey to black, medium bedded chert (locally brecciated) and dark grey shale; heterogeneous, poorly sorted breccia containing clasts of ol-calcified carbonate, chert and shale	PCHs	green and maroon shale and slate; rare quartz pebble conglomerate horizons
		PCHt	light brown and beige, fine and medium-grained quartz-rich sandstone, arkose sandstone; minor dark grey-brown shale
		<b>CAMBRIAN (?)</b>	
		<b>PROTEROZOIC TO CAMBRIAN HYLAND GROUP</b>	



**STRATEGIC METALS LTD.**  
 FIGURE 20  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**NICKEL SOIL GEOCHEMISTRY**  
**ROD PROPERTY**

UTM ZONE 8, NAD 83, 100 Grid and D81  
 FILE: 2014R00FiguresF\_20\_Geochemistry\_Nickel.sxd DATE: FEBRUARY 2015



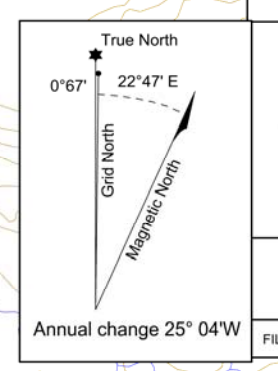
**Soil Geochemistry (ppm)**

- ▲ ≥ 1,000 < 3,360
- ▲ ≥ 500 < 1,000
- ▲ ≥ 200 < 500
- ▲ ≥ 100 < 200
- ▲ ≥ 50 < 100
- ▲ ≥ 0 < 50

**Vanadium Silt Geochemistry (ppm)**

- ◆ ≥ 200 < 383
- ◆ ≥ 100 < 200
- ◆ ≥ 50 < 100
- ◆ ≥ 0 < 50

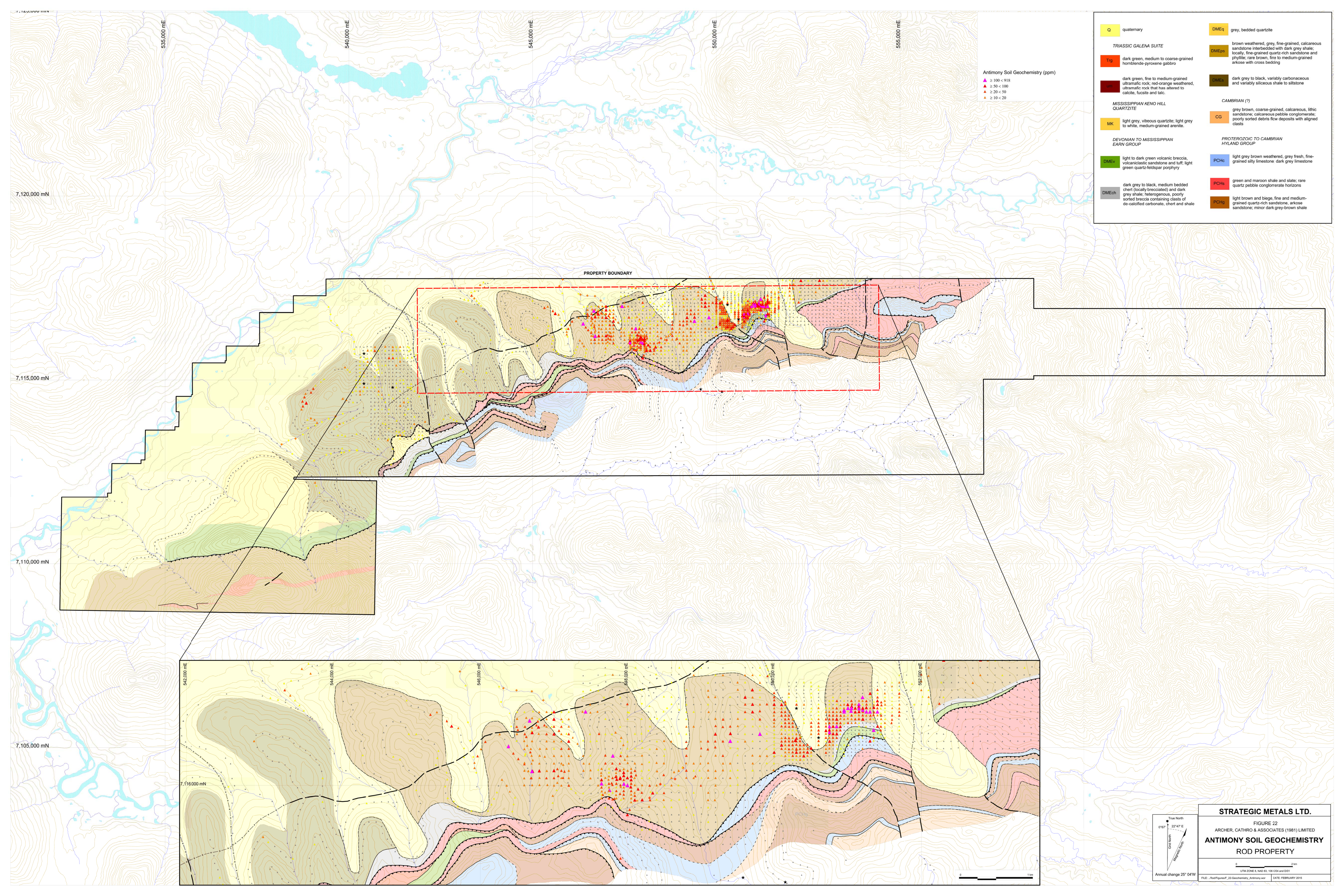
Q	quaternary	DMEq	grey, bedded quartzite
<b>TRIASSIC GALENA SUITE</b>			
Trg	dark green, medium to coarse-grained hornblende-pyroxene gabbro	DMEps	brown weathered, grey, fine-grained, calcareous sandstone interbedded with dark grey shale; locally, fine-grained quartz-rich sandstone and phyllite; rare brown, fine to medium-grained arkose with cross bedding
Trp	dark green, fine to medium-grained ultramafic rock; red-orange weathered, ultramafic rock that has altered to calcite, fucsite and talc.	DMEs	dark grey to black, variably carbonaceous and variably siliceous shale to siltstone
<b>MISSISSIPPIAN KENO HILL QUARTZITE</b>			
MK	light grey, vitreous quartzite; light grey to white, medium-grained arenite.	CG	grey brown, coarse-grained, calcareous, lithic sandstone; calcareous pebble conglomerate; poorly sorted debris flow deposits with aligned clasts
<b>DEVONIAN TO MISSISSIPPIAN EARN GROUP</b>			
DMEv	light to dark green volcanic breccia, volcanoclastic sandstone and tuff; light green quartz-feldspar porphyry	PCHc	light grey brown weathered, grey fresh, fine-grained silty limestone; dark grey limestone
DMEch	dark grey to black, medium bedded chert (locally brecciated) and dark grey shale; heterogeneous, poorly sorted breccia containing clasts of de-calcified carbonate, chert and shale	PCHs	green and maroon shale and slate; rare quartz pebble conglomerate horizons
		PCHt	light brown and beige, fine and medium-grained quartz-rich sandstone, arkose sandstone; minor dark grey-brown shale



**STRATEGIC METALS LTD.**

FIGURE 21  
 ARCHER, CATRO & ASSOCIATES (1981) LIMITED  
**VANADIUM SOIL GEOCHEMISTRY**  
**ROD PROPERTY**

0 2 km  
 UTM ZONE 8, NAD 83, 100 COE and DDT  
 FILE: J:\03\Figures\F-21\_Geochemistry\_Vanadium.vor DATE: FEBRUARY 2015

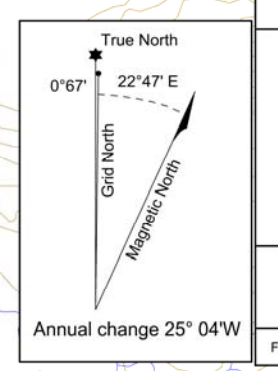


Antimony Soil Geochemistry (ppm)

- ▲ ≥ 100 < 918
- ▲ ≥ 50 < 100
- ▲ ≥ 20 < 50
- ≥ 10 < 20

Q	quaternary	DMEq	grey, bedded quartzite
<b>TRIASSIC GALENA SUITE</b>			
Tg	dark green, medium to coarse-grained hornblende-pyroxene gabbro	DMEps	brown weathered, grey, fine-grained, calcareous sandstone interbedded with dark grey shale; locally, fine-grained quartz-rich sandstone and phyllite; rare brown, fine to medium-grained arkose with cross bedding
Ug	dark green, fine to medium-grained ultramafic rock; red-orange weathered, ultramafic rock that has altered to calcite, fucsite and talc.	DMEs	dark grey to black, variably carbonaceous and variably siliceous shale to siltstone
<b>MISSISSIPPIAN KENO HILL QUARTZITE</b>			
MK	light grey, vitreous quartzite; light grey to white, medium-grained arenite.	CG	grey brown, coarse-grained, calcareous, lithic sandstone; calcareous pebble conglomerate; poorly sorted debris flow deposits with aligned clasts
<b>DEVONIAN TO MISSISSIPPIAN EARN GROUP</b>			
DMEv	light to dark green volcanic breccia, volcanoclastic sandstone and tuff; light green quartz-feldspar porphyry	PCHc	light grey brown weathered, grey fresh, fine-grained silty limestone; dark grey limestone
DMEch	dark grey to black, medium bedded chert (locally brecciated) and dark grey shale; heterogeneous, poorly sorted breccia containing clasts of de-calcified carbonate, chert and shale	PChs	green and maroon shale and slate; rare quartz pebble conglomerate horizons
		PChs	light brown and beige, fine and medium-grained quartz-rich sandstone, arkose sandstone; minor dark grey-brown shale
		<b>CAMBRIAN (?)</b>	
		<b>PROTEROZOIC TO CAMBRIAN HYLAND GROUP</b>	

PROPERTY BOUNDARY

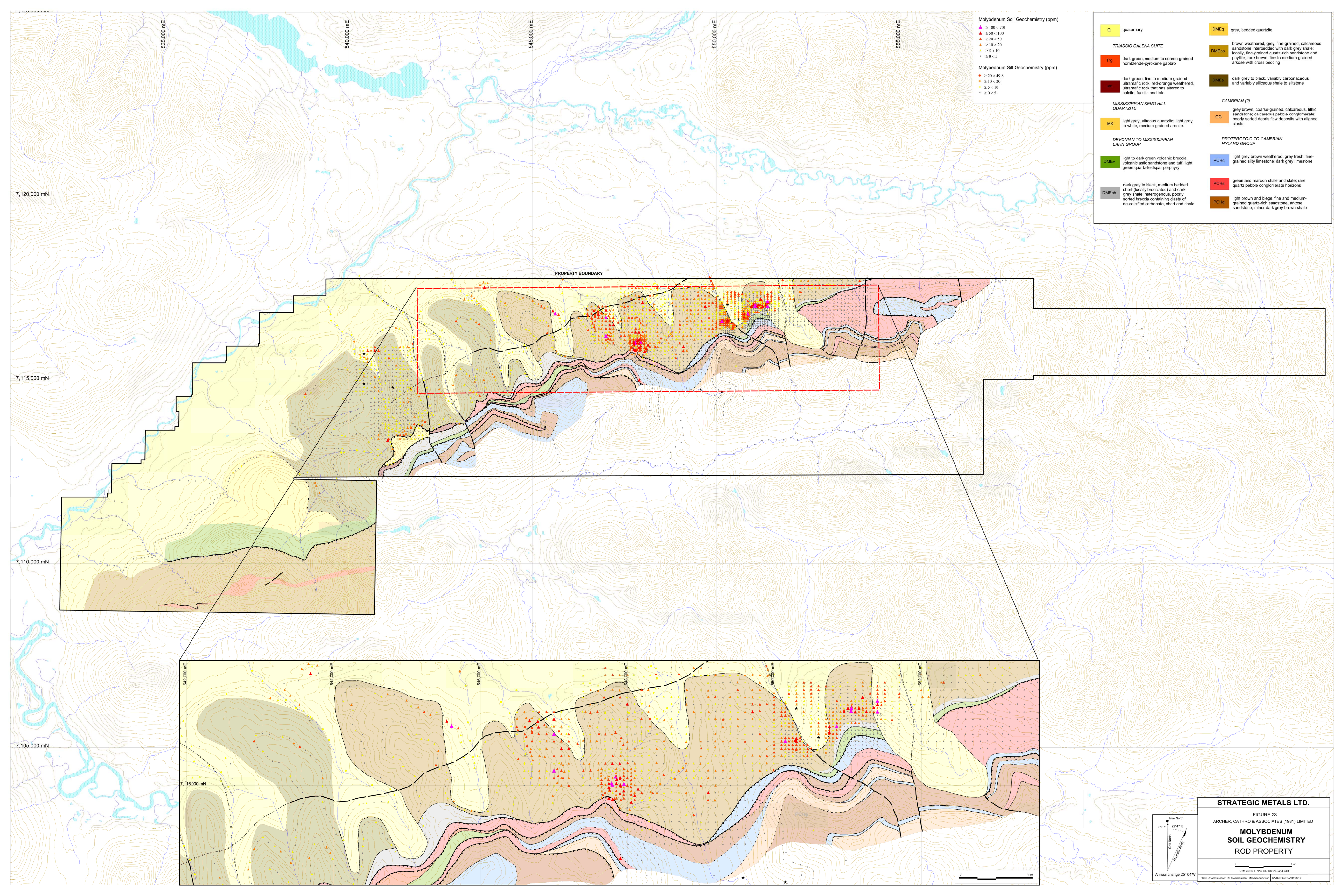


**STRATEGIC METALS LTD.**

FIGURE 22  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ANTIMONY SOIL GEOCHEMISTRY**  
ROD PROPERTY

UTM ZONE 8, NAD 83, 100 000 and 0501  
FILE: Rod\Figures\F\_22\_Geochemistry\_Antimony.apr DATE: FEBRUARY 2015





**Molybdenum Soil Geochemistry (ppm)**

- ▲ ≥ 100 < 701
- ▲ ≥ 50 < 100
- ▲ ≥ 20 < 50
- ▲ ≥ 10 < 20
- ▲ ≥ 5 < 10
- ▲ ≥ 0 < 5

**Molybdenum Silt Geochemistry (ppm)**

- ≥ 20 < 49.8
- ≥ 10 < 20
- ≥ 5 < 10
- ≥ 0 < 5

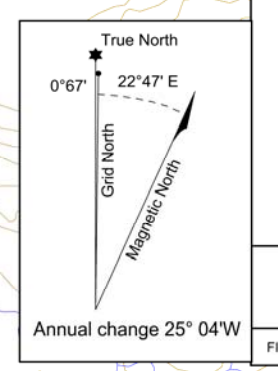
Q	quaternary	DMEq	grey, bedded quartzite
<b>TRIASSIC GALENA SUITE</b>			
Trg	dark green, medium to coarse-grained hornblende-pyroxene gabbro	DMEps	brown weathered, grey, fine-grained, calcareous sandstone interbedded with dark grey shale; locally, fine-grained quartz-rich sandstone and phyllite; rare brown, fine to medium-grained arkose with cross bedding
Trp	dark green, fine to medium-grained ultramafic rock; red-orange weathered, ultramafic rock that has altered to calcite, fucsite and talc.	DMEs	dark grey to black, variably carbonaceous and variably siliceous shale to siltstone
<b>MISSISSIPPIAN KENO HILL QUARTZITE</b>			
MK	light grey, vitreous quartzite; light grey to white, medium-grained arenite.	CG	grey brown, coarse-grained, calcareous, lithic sandstone; calcareous pebble conglomerate; poorly sorted debris flow deposits with aligned clasts
<b>DEVONIAN TO MISSISSIPPIAN EARN GROUP</b>			
DMEv	light to dark green volcanic breccia, volcanoclastic sandstone and tuff; light green quartz-feldspar porphyry	PCHc	light grey brown weathered, grey fresh, fine-grained silty limestone; dark grey limestone
DMEch	dark grey to black, medium bedded chert (locally brecciated) and dark grey shale; heterogeneous, poorly sorted breccia containing clasts of de-calcified carbonate, chert and shale	PCHs	green and maroon shale and slate; rare quartz pebble conglomerate horizons
		PCHt	light brown and beige, fine and medium-grained quartz-rich sandstone, arkose sandstone; minor dark grey-brown shale
		<b>CAMBRIAN (?)</b>	
		<b>PROTEROZOIC TO CAMBRIAN HYLAND GROUP</b>	

PROPERTY BOUNDARY

**STRATEGIC METALS LTD.**

FIGURE 23  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**MOLYBDENUM SOIL GEOCHEMISTRY ROD PROPERTY**



UTM ZONE 8, NAD 83, 186 C04 and D01  
FILE: J:\sof\figures\F\_23\_Geochemistry\_Molybdenum.sxd DATE: FEBRUARY 2015