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**ASSESSMENT REPORT**

describing

**GEOCHEMICAL SAMPLING**

Field work performed August 22 to 26, 2015

at the

**MAGNUM PROPERTY**

Magnum            1-46   YC28867-YC28912  
                         47-70   YC36154-YC36177  
                         71-144   YF36201-YF36274  
                         145-160   YF32685 – YF32700

located at

Latitude 64°26' N; Longitude 140°32' W  
NTS 116C/07

in the

Dawson Mining District  
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**STRATEGIC METALS LTD.**

by

J. Morton, B.Sc., GIT  
March 2016

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## **INTRODUCTION**

The Magnum property is primarily a volcanogenic massive sulphide (VMS) prospect, but is also prospective for polymetallic veins. It is located in west-central Yukon and is wholly owned by Strategic Metals Ltd.

This report describes a program of geochemical sampling performed by Archer, Cathro & Associates (1981) Limited on behalf of Strategic Metals. Field work was performed August 22 to 26, 2015. The author's Statement of Qualifications is located in Appendix I. A Statement of Expenditures is in Appendix II.

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

The Magnum property is located at latitude 64°26' north and longitude 140°32' west on NTS map sheet 116C/07 (Figure 1). It comprises a total of 144 contiguous mineral claims covering approximately 2900 ha (29 sq. km). The claims are registered with the Dawson Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic Metals. Claim registration data are listed below, while the locations of individual claims are shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Magnum 1-46	YC28867-YC28912	March 24, 2026
47-70	YC36154-YC36177	March 24, 2026
71-144	YF36201-YF36274	March 24, 2024
145-160	YF32685 – YF32700	March 24, 2021

\* Expiry dates include 2015 work that has been filed for assessment credit but has not yet been accepted.

The 2016 work was completed from a small camp located in the southwestern corner of the property, near the confluence of Clinton Creek and the Forty Mile River.

The property is located about 60 km by air northwest of Dawson City. The southern edge of the claim block adjoins the abandoned townsite of Forty Mile. The area can also be reached via a haulage road to the former Clinton Creek Mine, which crosses the southwestern part of the Magnum property. The Clinton Creek Road branches off the Top of the World Highway, about 60 km west of Dawson City. The road is usually open from late May to late fall. An overgrown bulldozer road extends from the Clinton Creek Road to the south-central part of the Magnum property (Figure 2). Driving from the west side of the Dawson City ferry crossing to the property takes about 90 minutes.

The property is located within the traditional territory of the Tr'ondëk Hwëh'in First Nation, and it borders Class A lands to the north and east (Figure 2). Access to the property does not require crossing first nation's settlement land.

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FIGURE 1  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED





**PROPERTY LOCATION**

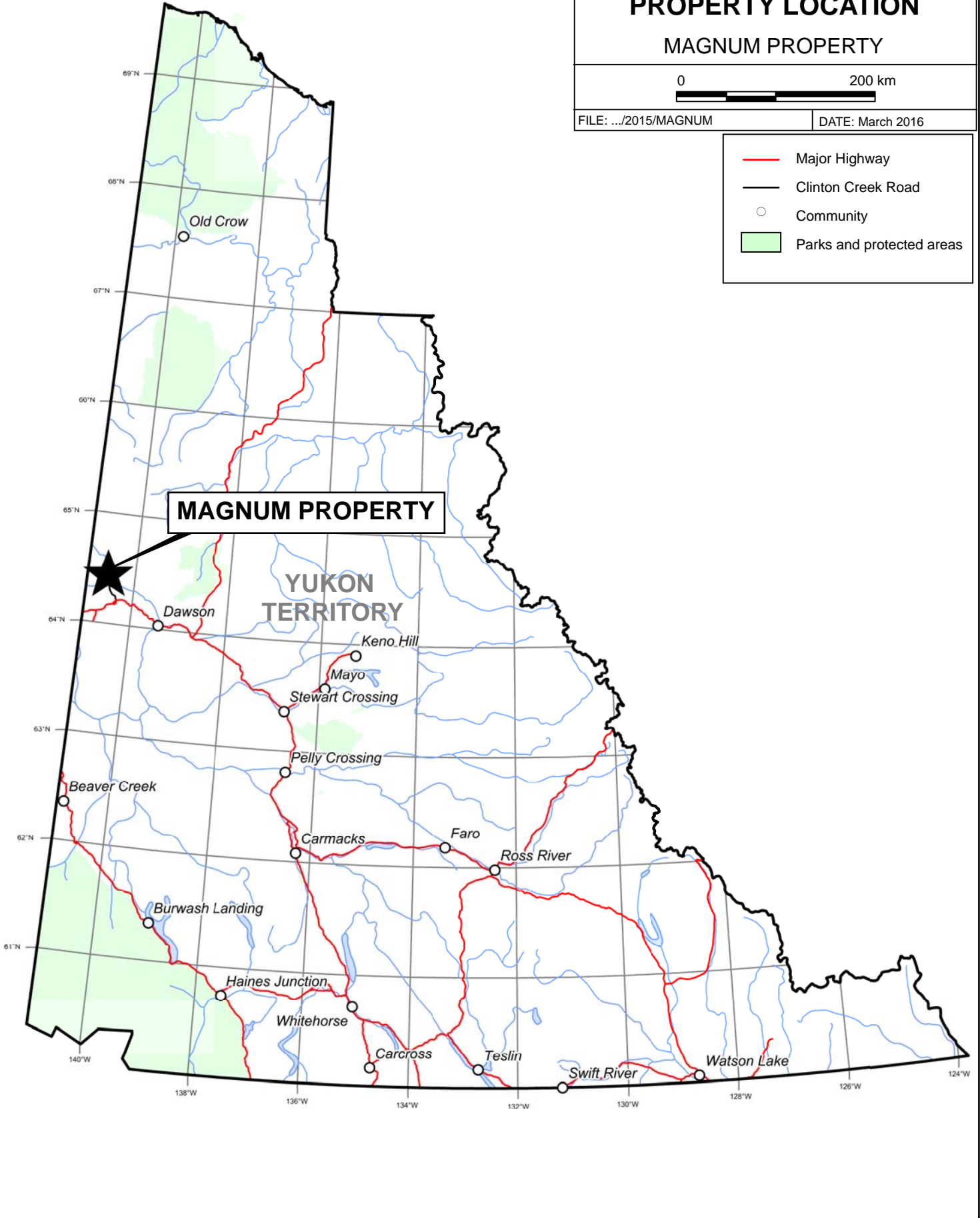
**MAGNUM PROPERTY**

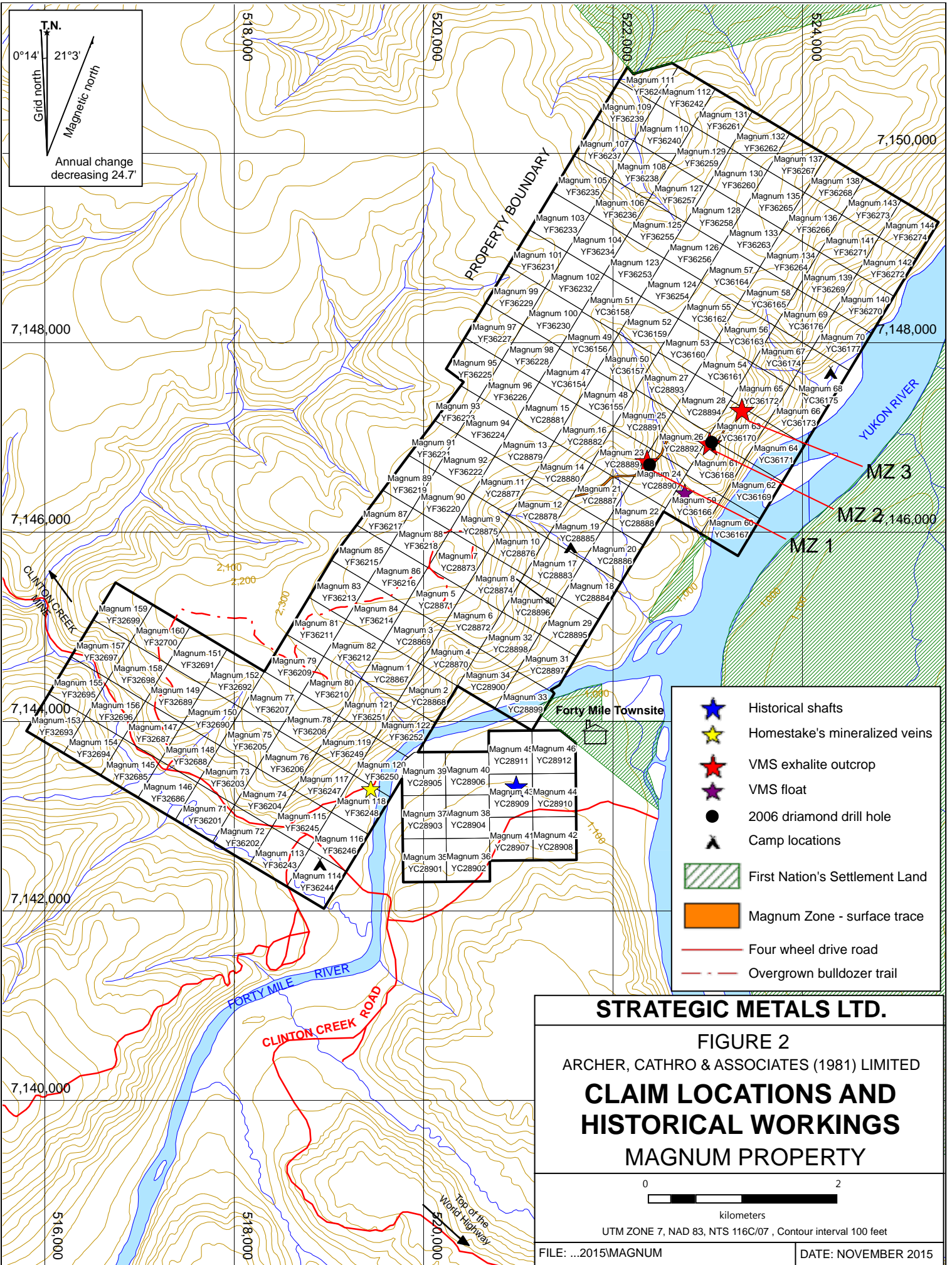


FILE: .../2015/MAGNUM

DATE: March 2016

-  Major Highway
-  Clinton Creek Road
-  Community
-  Parks and protected areas





T.N.  
 0°14' 21°3'  
 Grid north  
 Magnetic north  
 Annual change decreasing 24.7'

-  Historical shafts
-  Homestake's mineralized veins
-  VMS exhalite outcrop
-  VMS float
-  2006 diamond drill hole
-  Camp locations
-  First Nation's Settlement Land
-  Magnum Zone - surface trace
-  Four wheel drive road
-  Overgrown bulldozer trail

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FIGURE 2  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**CLAIM LOCATIONS AND  
 HISTORICAL WORKINGS**  
 MAGNUM PROPERTY

0 2  
 kilometers  
 UTM ZONE 7, NAD 83, NTS 116C/07 , Contour interval 100 feet

FILE: ...2015MAGNUM      DATE: NOVEMBER 2015

## **HISTORY AND PREVIOUS WORK**

Exploration and mining activities were initiated in the Forty Mile River area in 1886 following the discovery of placer gold. Within a year, 14,000 ounces of gold had been mined and the historical town of Forty Mile was established at the confluence of the Forty Mile and Yukon rivers.

In 1890, William Ogilvie made the first 'lode' discovery in Yukon when he found a piece of massive galena at the mouth of the Forty Mile River. This sample assayed 1322 g/t silver and trace gold (McConnell, 1890). Additional lead and silver mineralization was identified by placer miners in two shafts dug through fluvial gravels, about one kilometre west of the Forty Mile townsite (Figure 2).

Prior to 1887, asbestos was noted in the Forty Mile area by placer miners but the first asbestos showing was not staked until 1957. Subsequent exploration led to the discovery of the Clinton Creek Deposit in 1963. The Clinton Creek Mine operated from 1966 to 1978, when it was shut down and all assets were disposed of to the public (Deklerk and Traynor, 2005).

Although lode gold exploration has been conducted sporadically by various parties near the Magnum property since the late 1890s, it is generally poorly documented.

From 1979 to 1981, Archer Cathro performed exploration programs in the Forty Mile River area on behalf of the Teslin Joint Venture (TJV). The main focus of these programs was asbestos, but some stream sediment samples were collected and analysed for base metals, gold and arsenic. Forty-three stream sediment samples were taken by TJV from creeks draining the Magnum property. These samples returned some strongly anomalous results for gold (57, 126 and 142 ppb) and arsenic (145, 205 and 335 ppm), but low copper values (Murray et al., 1981). Results from this program are discussed in more detail in the Geochemistry section below.

In 1979, a representative sample taken from a dump next to one of the historical shafts near the Forty Mile townsite returned 96 g/t silver, 3.4 g/t gold, 5.7% lead, 3.4% zinc and 0.3% copper (Deklerk and Traynor, 2005). No follow-up work was performed.

The most comprehensive lode gold exploration program conducted in the Magnum area was performed in 1988 by Homestake Mineral Development Company Limited. Homestake's exploration program consisted of geological mapping, prospecting and soil geochemical sampling, from the junction with the Yukon River 10 km up the Forty Mile River (McIvor, 1988). Very little outcrop was encountered during this mapping and the majority of the bedrock exposures are along the banks of the Forty Mile River. Homestake identified a VMS prospect (Magnum Zone) about two kilometres downstream from the confluence of the Forty Mile and Yukon rivers (Figure 2). This zone was reported to be a poorly exposed section of iron formation containing semi-massive magnetite interbedded with thin sucrosic quartz bands and highly weathered pyritic carbonate lenses. A total of 476 rock samples were collected during the 1988 program, 102 of which were taken within the current Magnum property. Lithochemical analyses of samples collected on the property returned sub-economic gold values; however, six quartz vein specimens taken along the banks of the Forty Mile River returned strongly

anomalous lead (up to 4320 ppm), zinc (up to 2262 ppm), and arsenic (up to 47,631 ppm) values. Subsequent to this program, Homestake allowed its claims to lapse.

During spring 2000, a two person crew spent seven days working within the area of the Magnum property on behalf of the Eureka Joint Venture (EJV), which consisted of Expatriate Resources Ltd. and Strategic Metals. EJV's work was designed to relocate and evaluate the Magnum Zone through mapping, prospecting and contour soil sampling. Results from this work are discussed in the Mineralization and Geochemistry sections below.

In 2003, Strategic Metals staked the Magnum 1 to 46 claims to cover geochemically anomalous areas identified in 2000; and in 2005, it expanded the property by adding the Magnum 47 to 70 claims. In spring 2006, it contracted Aurora Geosciences Ltd. of Whitehorse to perform ground magnetic and very low frequency (VLF) geophysical surveys. These surveys identified laterally continuous magnetite-bearing stratigraphy, which was traced into heavily vegetated and overburden covered areas adjoining the Magnum Zone exposures. Strategic Metals then optioned the property to Klondike Silver Corp., which conducted prospecting, soil sampling, geophysical surveys and 368.81 m of diamond drilling in two holes (Wengzynowski and Nunez, 2006). Klondike Silver contracted Archer Cathro to manage the field program and Geotech Airborne Geophysical Surveys of Aurora, Ontario to conduct helicopter-borne VTEM and magnetic surveys. Results from Klondike Silver's work on the Magnum property are discussed in later sections of this report.

From 2007 to 2011, the property was dormant.

During summer 2012, Strategic Metals expanded the property to cover more of the stream sediment anomalies reported by TJV; and later that year, it collected a total of 873 grid soil samples from the east-central part of the property in the vicinity of the Magnum Zone. Results from this sampling are described in the Geochemistry section of this report.

In early 2013, Strategic contracted Condor Consulting Inc. to perform a detailed interpretation of Geotech's geophysical data. Later that year, Strategic Metals conducted prospecting and geochemical sampling on the property, which re-evaluated and outlined seven soil geochemical anomalies on the property (Burrell, 2013). Results from this work are discussed in in later sections of this report.

## **GEOMORPHOLOGY**

The Magnum property straddles the confluence of the Forty Mile and the Yukon rivers. North of the Forty Mile River elevations range from about 300 m on the banks of the Yukon River to 800 m atop a broad ridge on the western side of the property. Terrain in that part of the property is locally rugged, with some cliffs falling directly into the Yukon River. The best bedrock exposures occur on cliff faces or within deeply incised drainages. South of the Forty Mile River, the claims cover a marshy flat.

The Magnum property is located in part of the Dawson Range that escaped Pleistocene glaciation. Soil profiles in the Dawson Range are complex compared to most other places in



Yukon. Due to the absence of glaciation, the tops of ridges and spines are deeply weathered and often leached. Hillsides and valley bottoms show shallower weathering and are usually blanketed by deeper soil profiles, which from surface to bedrock typically consists of the following: a 10 to 50 cm thick layer of organic matter; a 0 to 20 cm thick layer of volcanic ash from the Mount Churchill eruption; a 0 to 100 cm thick layer comprised of loess mixed with soliflucted B and C horizon residual soil; and a layer of C horizon residual soil (Bond, 2007). Thick layers of fluvial gravel underlie the flats on the south side of the Forty Mile River.

A number of small creeks drain the Magnum property. Most of the creeks flow directly into the Yukon River, but some in the southwestern part of the property drain into Clinton Creek, which flows into the Forty Mile River and then the Yukon River.

Much of the claim block is thickly vegetated with buckbrush and stunted black spruce or slide alder growing in an old forest fire burn. Stands of mature black spruce up to 10 m tall flank the Forty Mile and Yukon rivers. The entire property is below tree line.

### **REGIONAL GEOLOGY**

The Magnum property lies within the Yukon-Tanana Terrane (YTT), approximately five kilometres southwest of the Tintina Fault (Figure 3). YTT comprises a variety of Late Devonian to Early Mississippian metavolcanic and metasedimentary rocks, and represents both arc and back-arc environments (Colpron and Nelson, 2011; Piercey et al., 2006). The Tintina Fault is a transcurrent structure that experienced about 450 km of dextral strike-slip movement during the Eocene. This movement offset a segment of YTT in the Finlayson Lake District of southeastern Yukon from the main body of YTT, which lies southwest of the fault.

YTT rocks of back-arc affinity occur mainly in the Finlayson Lake District where they are host to four major VMS deposits –Wolverine, Kudz Ze Kayah, Fyre Lake and GP4F. Back-arc facies are dominated by bimodal metavolcanic rocks associated with fine grained carbonaceous metaclastic rocks. The geochemical signatures at the Wolverine and Kudz Ze Kayah deposits are enriched in zinc, silver, copper, gold, lead, antimony and selenium. The Wolverine Mine, owned by Yukon Zinc Corporation, is the most advanced deposit hosted by YTT rocks in the Finlayson Lake District. It commenced production in 2012 with a measured and indicated mineral resource of 4.46 Mt grading 12.14% zinc, 354.8 g/t silver, 1.16% copper, 1.70 g/t gold and 1.58% lead, which is described in a NI43-101 compliant report (Yukon Zinc Corp., 2013).

YTT rocks are often overlain, or intruded, by Anvil Assemblage rocks, which comprise mafic volcanics, oceanic sediments and related mafic to ultramafic intrusions formed in a back-arc setting during the Carboniferous to Permian. The Ice Deposit is hosted by Anvil Assemblage rocks and consists of Cyprus-type VMS mineralization.

Southwest of Tintina Fault, the YTT assemblage comprises mostly intermediate to mafic metavolcanic and metavolcaniclastic rocks of arc affinity, and fringing metasedimentary rocks (Colpron and Nelson, 2011). Some Anvil Assemblage rocks are stratigraphically and structurally interdigitized with the YTT assemblage. VMS-style mineralization has recently

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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

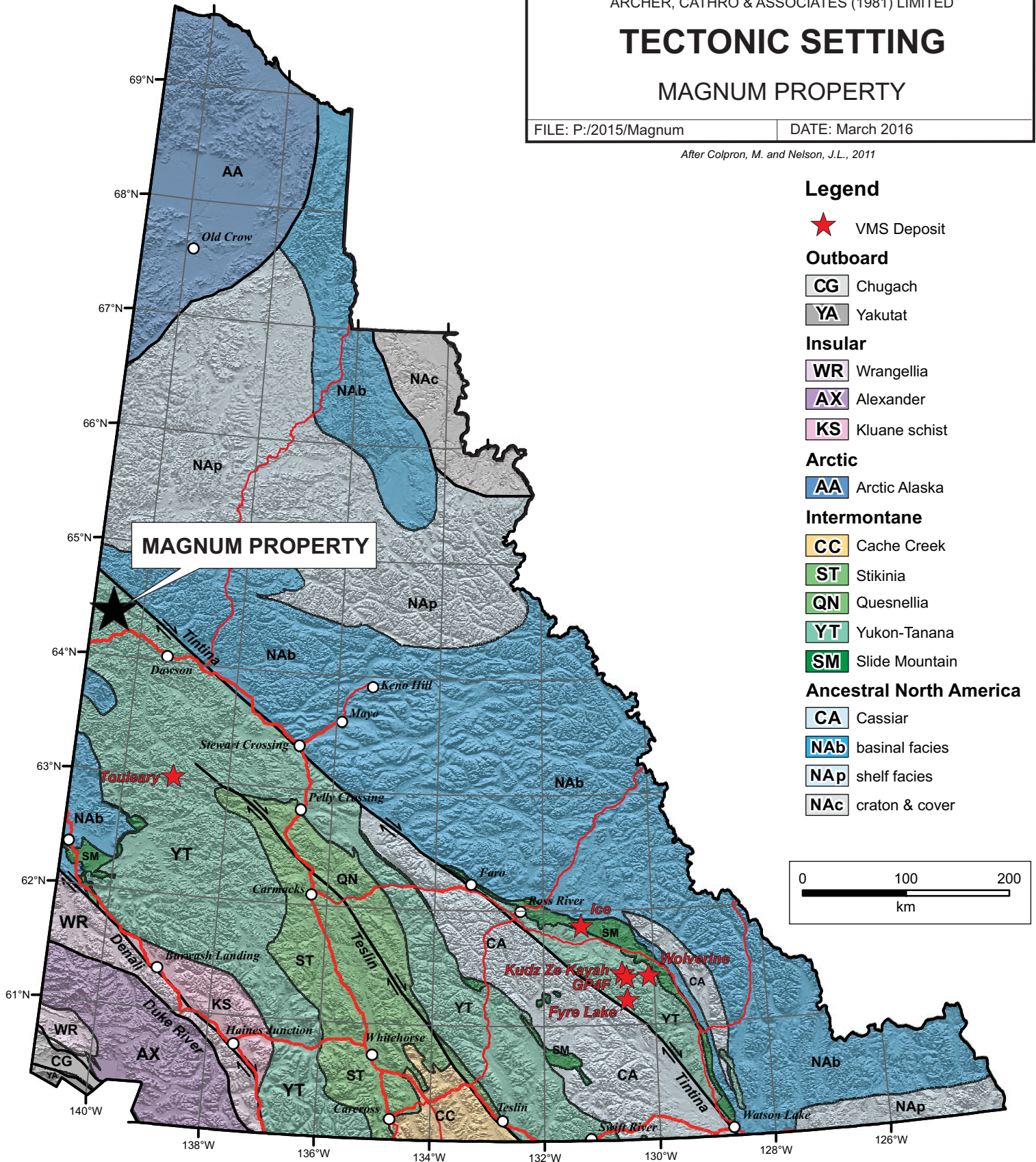
## TECTONIC SETTING

### MAGNUM PROPERTY

FILE: P:/2015/Magnum

DATE: March 2016

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



#### Legend

★ VMS Deposit

#### Outboard

CG Chugach

YA Yakutat

#### Insular

WR Wrangellia

AX Alexander

KS Kluane schist

#### Arctic

AA Arctic Alaska

#### Intermontane

CC Cache Creek

ST Stikinia

QN Quesnellia

YT Yukon-Tanana

SM Slide Mountain

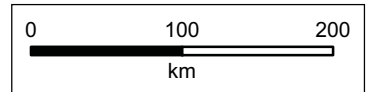
#### Ancestral North America

CA Cassiar

NAb basinal facies

NAp shelf facies

NAc craton & cover



been discovered on the southwest side of the Tintina Fault at the Touleary property owned by Arcus Development Group Inc. and ATAC Resources Ltd.

Table I contains a brief summary of the main lithologies in the Magnum property area while Figure 4 illustrates the distribution of those lithologies.

**Table I – Regional Lithologies (After Gordey and Makepeace, 2003)**

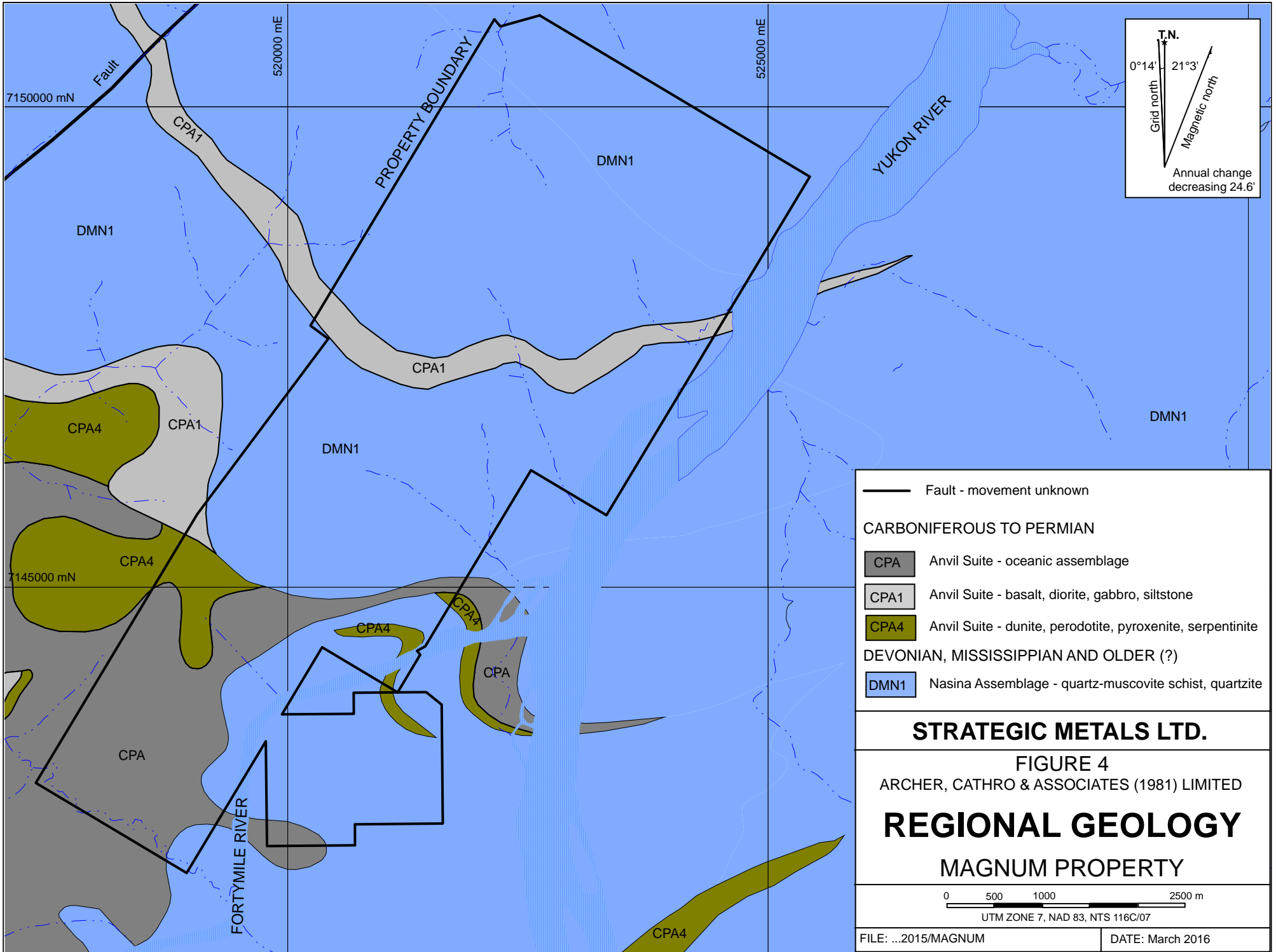
Unit	Period	Description
CPA	Carboniferous and Permian	<b>Anvil Assemblage:</b> A dominantly oceanic assemblage of mafic volcanics, ultramafics, chert, pelite and limestone.
		<b>Anvil Assemblage (1):</b> Variably altered and foliated augite-phyric basalt, diorite and gabbro with minor metachert, siliceous argillite, greywacke and limestone.
		<b>Anvil Assemblage (4):</b> Dunite, peridotite, gabbro, pyroxenite, harzburgite, hornblendite and serpentinite. Alteration assemblages include quartz-carbonate, green chromian muscovite (mariposite) and talc-carbonate.
DMN	Devonian, Mississippian and older (?)	<b>Nasina Assemblage (1):</b> Graphitic quartzite and muscovite quartz-rich schist. Dark grey to black, fine grained graphitic and non-graphitic quartzite and quartz-muscovite schist.

The Magnum property area is underlain by Devonian, Mississippian and older (?) Nasina Assemblage quartz-muscovite schist, which is overlain and intruded by Carboniferous to Permian Anvil Assemblage oceanic sedimentary and volcanic rocks and sills of mafic to ultramafic composition. Anvil Assemblage rocks are mapped as wavy, east-trending bands in the central part of the property and appear to cap the Nasina Assemblage in the southwestern part (YSG, 2013).

### **PROPERTY GEOLOGY**

Strategic Metals conducted property-scale mapping in 2006 and 2013 within the northeastern and central parts of the property (Figure 5), which further subdivided the regional lithological assemblages (Table II). However, limited outcrop and thick vegetation complicate geological interpretation, and projections of units between outcrops are tenuous.





- Fault - movement unknown
- CARBONIFEROUS TO PERMIAN**
- CPA Anvil Suite - oceanic assemblage
  - CPA1 Anvil Suite - basalt, diorite, gabbro, siltstone
  - CPA4 Anvil Suite - dunite, peridotite, pyroxenite, serpentinite
- DEVONIAN, MISSISSIPPIAN AND OLDER (?)**
- DMN1 Nasina Assemblage - quartz-muscovite schist, quartzite

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FIGURE 4  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**REGIONAL GEOLOGY**

**MAGNUM PROPERTY**

0 500 1000 2500 m  
UTM ZONE 7, NAD 83, NTS 116C/07

**Table II – Property Lithologies**

<b>Regional Unit</b>	<b>Property Unit</b>	<b>Description</b>
Uncertain	Andesitic porphyry dyke (?)	Green-grey groundmass and porphyritic plagioclase.
	Diorite (?) to gabbro	Fine grained biotite and other mafics (80%), feldspar (15%) and quartz (5%).
Anvil Assemblage (CPA)	Serpentinized peridotite	Orange weathering, mottled forest green, waxy, monoclinic to massive ophiolite sequence of ultramafics.
	Listwanite (?)	Mottled bright green, pink to orange and white, moderately foliated ankerite, quartz and fuchsite (?).
Nasina (?) Anvil (?) Assemblage	Calcareous sandstone	Fine grained, medium grey, equigranular, very calcareous grit.
	Siltstone	Medium brown siltstone interbedded with calcareous sandstone.
	Chert	Medium grey to pale green with light to medium orange interbeds and local cross-cutting quartz veins.
Nasina Assemblage (DMN)	Muscovite ± quartz schist	Pale white to tan, well foliated, and locally bleached with deep red-brown foliation bands hosting cubic pyrite and limonite. Hosts chevron-type quartz veins up to 15 cm in width.
	Chlorite schist	Light to medium green to grey chlorite schist that hosts quartz veins and boudinaged lenses.
	Quartz-biotite ± chlorite schist	Black with white bands of quartz, well foliated with local chlorite alteration.
	Phyllite	Dark grey to gunmetal blue, weakly foliated phyllite.
	Argillite	Dark grey to black, graphitic argillite.

The Magnum property is primarily underlain by muscovite±quartz schist that is interlayered with quartz-biotite-chlorite schist and lesser chlorite schist and phyllite belonging to the Nasina Assemblage (DMN1). This package is in contact with sections containing younger Anvil Assemblage (CPA) rocks in the northern and southern parts of the property.

In the northeastern part of the property, a northwesterly-oriented strike-slip fault separates a predominantly metavolcanic package to the south from a mixed sequence of clastic metasedimentary and CPA rocks to the north. DMN1 sub-units include metavolcanic schists, phyllite and graphitic argillite, while CPA rocks comprise serpentinized peridotite that is altered to listwanite adjacent to the fault. Interbedded calcareous sandstone, siltstone and chert are of uncertain affinity.

The central part of the property hosts a sequence of interlayered DMN1 rocks that may represent subtle facies changes or isoclinal fold repeats, evidence for which is highlighted at outcrop-scale by quartz concentrates at fold noses. Within this package, there are thick sections of muscovite±quartz schist, quartz-biotite-chlorite schist, chlorite schist and phyllite. The Magnum Zone is hosted within a sequence of felsic and mafic schist, and it comprises a 5 to 20 m thick

section of iron formation that has been traced in outcrop and float for over 1600 m along strike (Wengzynowski and Nunez, 2006). This formation appears to be a continuous horizon situated about 70 m below the contact between the schists and a partially delineated diorite (?) body. Two additional iron formation horizons have been identified during mapping, both of which are poorly exposed, but occur stratigraphically below the Magnum Zone. An andesite porphyry dyke outcrops near a ridge crest in the centre of the property. The ages of the diorite (?) and porphyry dyke are uncertain.

Only cursory mapping has been done in the southern part of the property. The primary lithology observed is serpentinized peridotite; however, it is unclear at present time how this package relates to the peridotite observed in the northern part of the property.

### **MINERALIZATION**

The Magnum property hosts two main styles of mineralization: stratabound iron formation horizons believed to represent VMS-type exhalites; and, discordant polymetallic veins, some of which are gold±silver enriched (Figure 6). Sample and analytical details for all exploration programs on the property are shown in Table III.

**Table III – Sample Data**

<b>Year</b>	<b>No. of Samples</b>	<b>Analytical Technique</b>	<b>Elements Analysed</b>
1979	1	unknown	Au, Ag, Cu, Pb, Zn
1988	102	ICP	29 elements, plus Au
2000	19	ME-ICP	32 elements plus Au
2006	4	ME-ICP41	34 elements, no Au
2013	63	ME-MS61 and Au-ICP21	48 elements, plus Au

The VMS style mineralization has been identified in three outcrop showings (MZ1, MZ2 and MZ3) and several float occurrences, which are collectively referred to as the Magnum Zone. In 2013, two more exhalite horizons were discovered in subcrop stratigraphically lower than the Magnum Zone. All three exhalite horizons are composed of semi-massive to massive magnetite with varying amounts of carbonate, barite, coarse cubic pyrite and limonite after pyrite. In 2001, a VMS-type float specimen consisting of muscovite-quartz schist with pyrite, arsenopyrite, chalcopyrite, sphalerite and galena disseminated on foliation planes, and limonite on weathering surfaces, was discovered in a creek bed downstream from the trace of the exhalite horizons. It graded 0.09 g/t gold, 554 ppm copper, 18,300 ppm lead (1.83%) and 7010 ppm zinc (Wengzynowski, 2001).

In 1988, Homestake discovered a number of narrow veins on the banks of the Forty Mile River, in the southwestern part of the property (Figure 2). These veins yielded significant lead (up to 4320 ppm), zinc (up to 2262 ppm), and arsenic (up to 47,631 ppm), but low gold values. No work was done in 2013 to re-locate or re-sample these veins. The relationship between these veins and the mineralization collected from the shaft dump 1000 m to the south is uncertain. A well mineralized specimens from the shaft dump returned 96 g/t silver, 3.4 g/t gold, 5.7% lead, 3.4% zinc and 0.3% copper.

In 2013, gold-silver enriched vein talus was discovered south of the major northwesterly-trending strike-slip fault, in the northeastern part of the property. This vein material is characterized by white to grey chalcedonic quartz containing muscovite schist wallrock fragments and blebby to heavily disseminated galena, arsenopyrite and pyrite. A composite grab sample of quartz vein talus, which was collected from a 20 m diameter area immediately south of the fault yielded 1.34 g/t gold, 11.95 g/t silver, 1710 ppm arsenic and 3690 ppm lead. The relationships between the metamorphic country rocks, the quartz vein and the fault are unknown, and no attempt was made to trace this mineralization to source.

## **GEOPHYSICS**

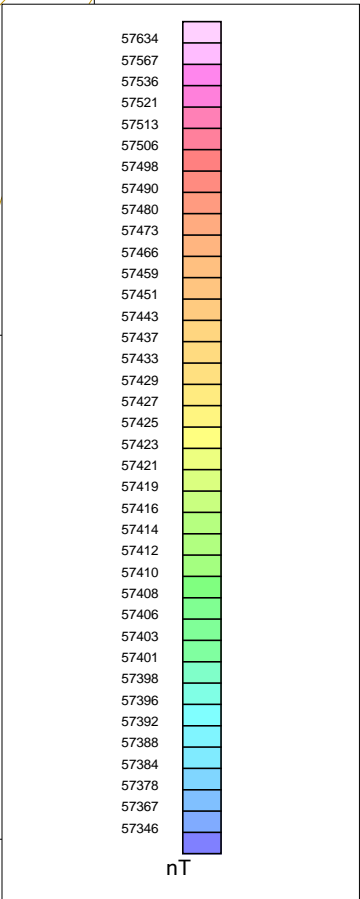
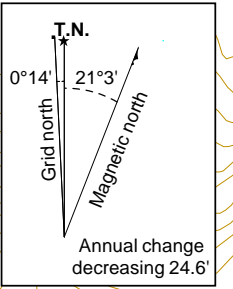
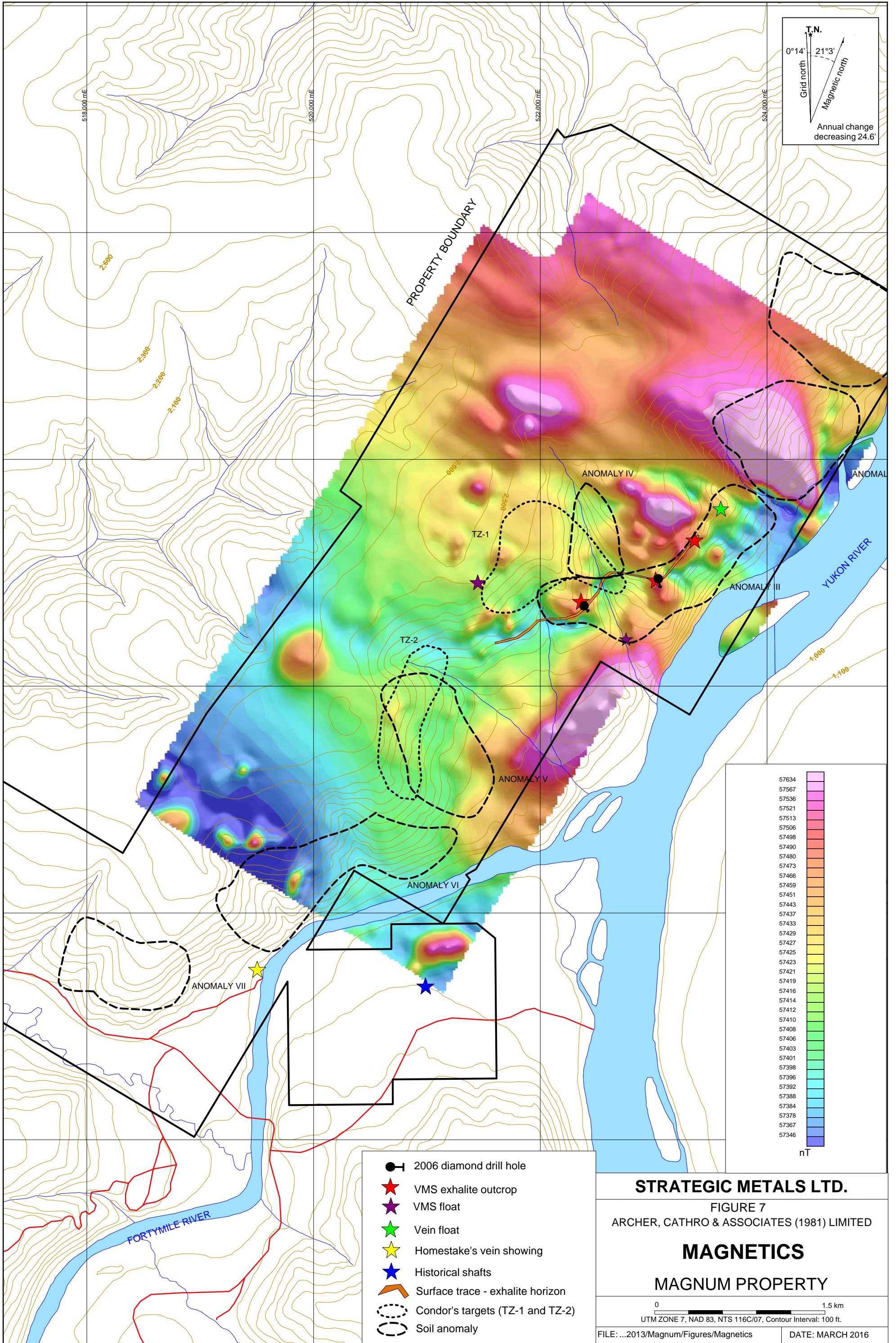
In March 2006, ground magnetic and VLF geophysical surveys were completed over the Magnum Zone by Aurora Geosciences and in July 2006, helicopter-borne VTEM and magnetic surveys were conducted by Geotech. In early 2013, Condor completed a detailed interpretation of Geotech's geophysical data – see Burrell (2013) for a detailed report on the geophysical surveys. Figure 7 illustrates total magnetic intensity (magnetics) and Figure 8 shows late-time electromagnetic channel response (EM). Known mineralization and outlines of soil geochemical anomalies, which will be described in the following section, are also shown on Figures 7 and 8.

The magnetic data was re-processed using various techniques, one of which determines the depth extent of the magnetic anomaly. Eight large depth-extent magnetic highs were identified in addition to numerous limited depth-extent magnetic highs. The magnetic signature associated with the Magnum Zone is highly variable. Condor identified one deep and three shallow magnetic highs along and down-dip of the projected trace of the zone.

Condor's analysis of the VTEM data identified numerous shallow, sub-horizontal conductors. The EM response in drill-tested parts of the Magnum Zone is low; however, elsewhere along projections of the zone the EM response is stronger. A 1200 by 3000 m area in the northern part of the property is underlain by an extremely conductive unit, which has limited the depth of investigation to 200 m. Property-scale mapping in 2013 identified graphite-rich argillite in this area that would explain the intense EM anomaly.

Condor identified two priority targets (TZ-1 and TZ-2) for follow-up work (Figures 7 and 8). TZ-1 is a flat-lying conductive zone located north of the Magnum Zone. It occurs at a depth of about 250 m below surface and is thought to be a sulphide-rich stratigraphic horizon located down-section of the Magnum Zone. Little property-scale mapping and prospecting have been completed in the area where TZ-1 projects to surface. TZ-2 comprises a separate, weaker conductive zone, which lies along the projected extension of the Magnum Zone, to the southwest of the 2006 drill holes. TZ-2 features a deep-extending magnetic high and locally enhanced conductivity within a moderately conductive halo. Hand pitting along TZ-2 in 2013 identified muscovite schist with minor massive magnetite and argillite rock chips in soil. Rock samples collected in this area returned anomalous values for gold (up to 0.415 g/t) and zinc (up to 3000 ppm), but subdued values for other elements of interest.





- 2006 diamond drill hole
- VMS exhalite outcrop
- VMS float
- Vein float
- Homestake's vein showing
- Historical shafts
- Surface trace - exhalite horizon
- Condor's targets (TZ-1 and TZ-2)
- Soil anomaly

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FIGURE 7  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**MAGNETICS**

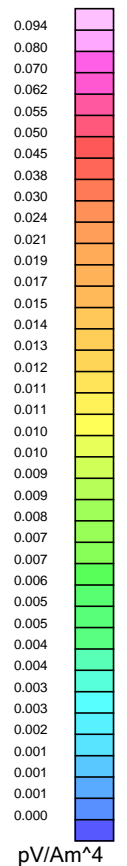
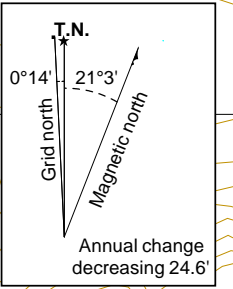
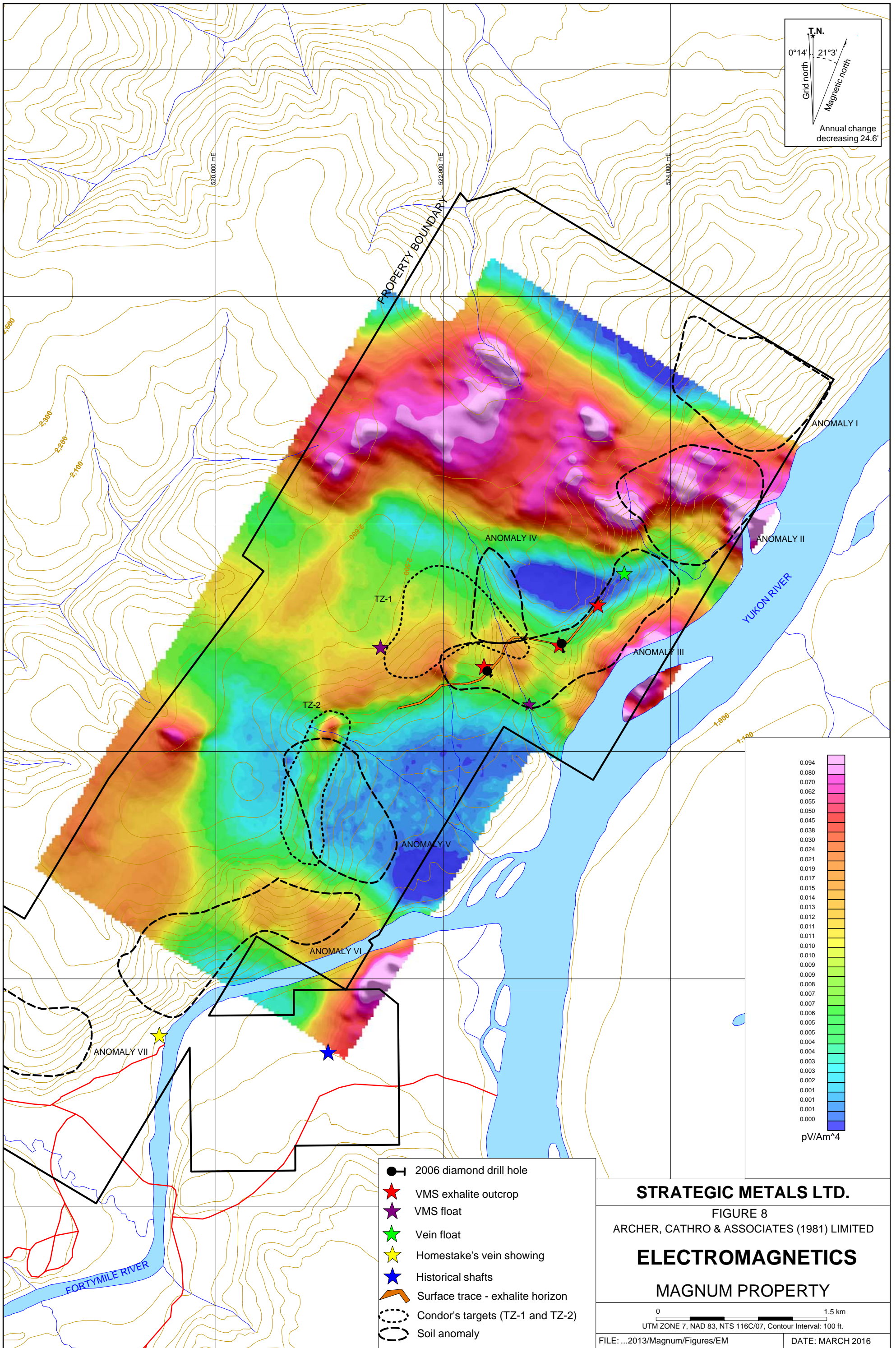
**MAGNUM PROPERTY**

0 1.5 km

UTM ZONE 7, NAD 83, NTS 116C/07, Contour Interval: 100 ft.

FILE: ...2013/Magnum/Figures/Magnetics      DATE: MARCH 2016





- 2006 diamond drill hole
- VMS exhalite outcrop
- VMS float
- Vein float
- Homestake's vein showing
- Historical shafts
- Surface trace - exhalite horizon
- Condor's targets (TZ-1 and TZ-2)
- Soil anomaly

**STRATEGIC METALS LTD.**  
 FIGURE 8  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ELECTROMAGNETICS**  
**MAGNUM PROPERTY**

0 1.5 km  
 UTM ZONE 7, NAD 83, NTS 116C/07, Contour Interval: 100 ft.

FILE: ...2013/Magnum/Figures/EM DATE: MARCH 2016

## GEOCHEMISTRY

The eastern parts of the Magnum property are mostly covered by grid and contour soil sampling. Previous reports labelled anomalies based on results from individual programs. To avoid confusion, all old and new soil anomalies have been re-named, from north to south, as Anomalies I to VII. In 2015, Strategic Metals collected 313 soil samples on the property in order to increase coverage over Anomaly VII. Those sample locations are shown on Figure 9, while Figures 10 to 20 illustrate thematic results from all years for gold, arsenic, silver, copper, molybdenum, lead, zinc, barium, antimony and selenium, respectively. Table IV displays the characteristics of each of the anomalous areas.

**Table IV – Soil Anomaly Characteristics**

Anomaly	Length	Width	Peak Values									
			Au	As	Ag	Cu	Mo	Pb	Zn	Ba	Sb	Se
	(m)	(m)	(ppb)	(ppm)								
I	1300	900	4.6	115	1.68	93.1	17.2	582	287	5310	7.93	9
II	1100	1000	50	257	5.96	182.5	91.8	100.6	1450	2610	38.1	83
III	2200	600	447	685	2.26	267	22.8	242	28.2	5940	49.5	17.4
IV	800	400	37	65.1	0.49	131.5	5.03	84.4	397	2890	11.95	3.1
V	1500	650	311	226	2.65	126.5	9.09	833	889	>1%	11.75	4
VI	2200	600	63	906	4.99	94	13.85	1570	1380	>1%	266	6
VII	1300	650	126	3730	5.95	171	62.8	1265	1280	>1%	133.5	18

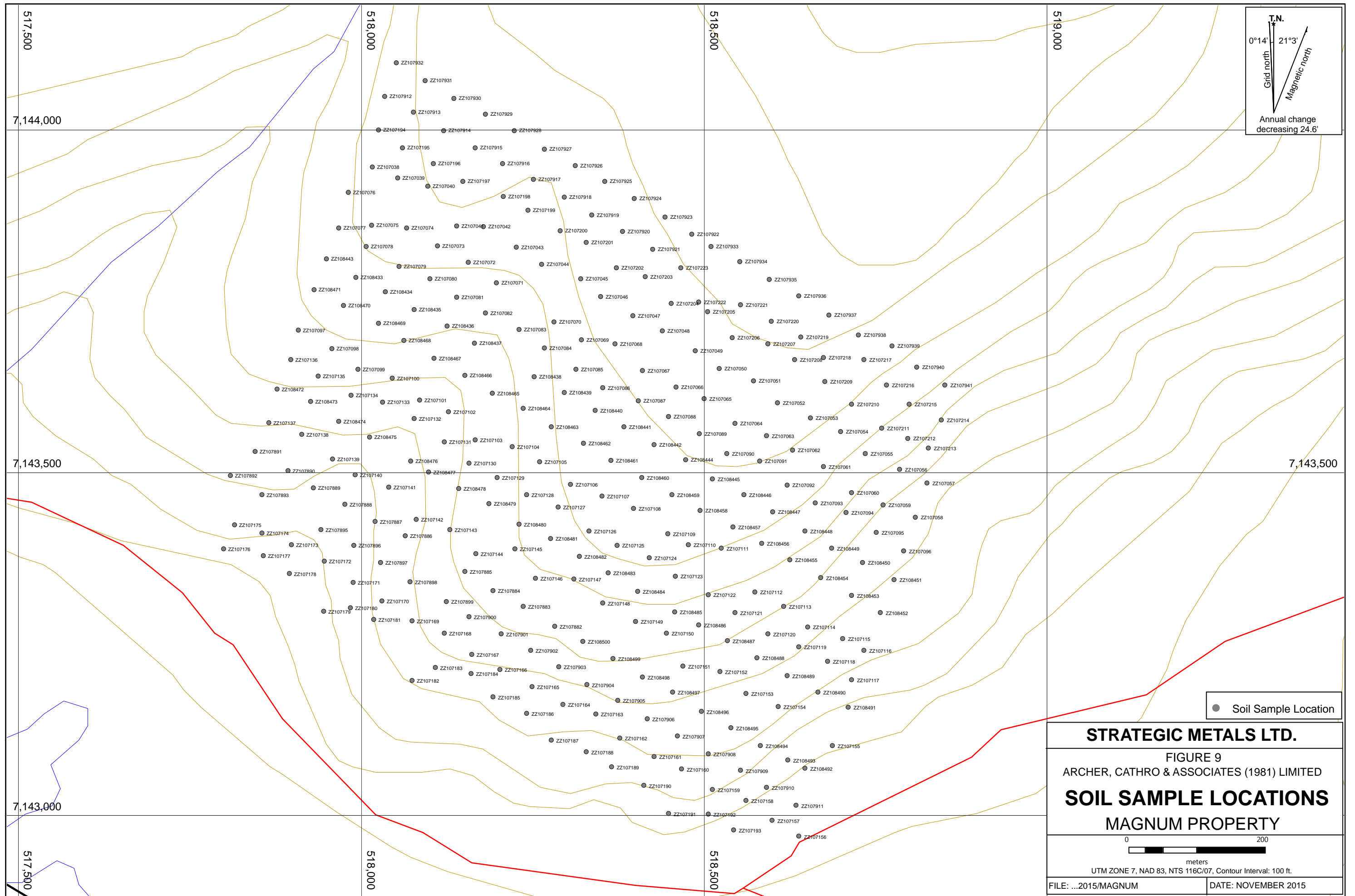
\*Red = strong to very strong; orange = moderate; and, green = weak to background

The 2015 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 20 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 analyzed for 48 elements using a four acid digestion followed by inductively coupled plasma combined with atomic emission spectroscopy (ME-MS61). An additional 30 g charge was further analysed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21). Certificates of Analysis for the 2015 samples are provided in Appendix III.

**Anomaly I**, the northern-most anomaly, has received only cursory mapping and prospecting. Soil geochemical values are only moderately elevated and show sharp contrast with those in Anomaly II to the south. Banded green and orange chert form isolated near-vertical outcrops surrounded by thick vegetation. This anomaly is on the northern edge of the VTEM survey area and, although there are likely survey-edge distortions, this area appears to have a moderate magnetic response and a subdued EM signature.

**Anomaly II** is hosted by a package of interlayered Nasina and Anvil assemblage rocks. The northern part of the anomaly is underlain by graphite-rich argillite, while the southern part is a





T.N.  
 0°14' 21°3'  
 Grid north  
 Magnetic north  
 Annual change decreasing 24.6'

● Soil Sample Location

**STRATEGIC METALS LTD.**

FIGURE 9  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**SOIL SAMPLE LOCATIONS**  
**MAGNUM PROPERTY**

0 200  
 meters  
 UTM ZONE 7, NAD 83, NTS 116C/07, Contour Interval: 100 ft.

FILE: ...2015/MAGNUM DATE: NOVEMBER 2015



fault-bound package of peridotite and interbedded calcareous sandstone, siltstone and phyllite. A very strong magnetic high occurs within the southern part of this area and extends into unmapped and unsampled terrain to the west. A broad formational EM conductor extends from the Yukon River to the western edge of the geophysical survey. The area of very strong magnetic response is coincident with a zone of weak to moderate conductance. Anomaly II is separated by Anomaly III by the major northwesterly-oriented strike-slip fault, and is distinguished from it by strongly elevated selenium, antimony, molybdenum, copper and silver response.

**Anomaly III** is the largest and most laterally continuous of all soil anomalies and is the only anomaly that is coincidentally elevated in lead, copper and arsenic. It has the strongest gold signature of the anomalies, and the portion that abuts to the strike-slip fault is especially enriched in antimony. A small cluster of very strongly anomalous nickel values is located in the northern part of the anomaly. Anomaly III is underlain by interlayered Nasina Assemblage rocks including thick sections of muscovite±quartz schist, quartz-biotite-chlorite schist, chlorite schist and phyllite. Anomaly III encompasses the Magnum Zone and two other exhalite horizons. It is flanked to the west by a diorite body of unknown size and shape. Anomaly III hosts three distinct magnetic highs, which approximately correlate with the MZ1, MZ2 and MZ3 surface showings. Two of the three magnetic highs have been partially drill tested. The EM response varies throughout Anomaly III. The eastern part of the anomaly shows moderate to strong conductance, as does a circular area located between the 2006 diamond drill holes. The rest of the Anomaly III area has a subdued EM signature.

**Anomaly IV** lies immediately upslope from Anomaly III and is bisected by a southeasterly flowing creek. Based on the flat-lying orientation of the exhalite horizons, their surface traces should deflect with topography and extend into the area of this anomaly. The magnetic signature is relatively weak in the centre of the anomaly, but a moderate, contour-parallel magnetic high flanks Anomaly IV, connecting the two drill-tested magnetic highs in Anomaly III. This magnetic high provides additional support for the theory of laterally continuous, flat-lying exhalite horizons. EM response in this area is weak to moderate and includes the northern edge of the circular EM feature described in Anomaly III above. Geochemical response is much weaker than Anomaly III – possibly because of more dilution from overlying, unmineralized units.

**Anomaly V** is heavily vegetated and lacks outcrops, and therefore, mapping has been largely inferred using rock chips taken from shallow hand pits. From this work, the area appears to be underlain by muscovite schist with narrow layers (?) of muscovite-biotite schist and phyllite. The magnetic signature is weak to moderate and EM response is subdued, with the exception of a north-northeast-trending band in the western part of the anomaly. Barium, copper and arsenic are the main elements that characterize this anomaly.

**Anomaly VI** contains a broad band of elevated arsenic, with sporadic gold support and small clusters of coincidentally high lead, antimony and silver values. The largest cluster of high values lies alongside the Forty Mile River near Homestake's vein showings. Anomaly VI appears to be underlain by a sequence of Nasina Assemblage rocks; however, thick vegetation and a lack of outcrops make it difficult to verify the geology. This anomaly straddles the

southern boundary of the VTEM survey. It has low magnetic response, with the exception of a single isolated high. The EM signature shows moderate conductance in the eastern part of the anomaly and weak response elsewhere.

**Anomaly VII** is located along a south-facing slope above Clinton Creek Road, in the southwestern corner of the property. It covers a broad area of strongly anomalous copper values to the north, and a widespread, very strongly anomalous cluster of arsenic, antimony and nickel values downslope. A northeast-trending band of strongly anomalous silver-, molybdenum- and selenium-in-soil values are located in the western part of the anomaly. In the central part of the anomaly, a moderately anomalous gold and strongly anomalous barium response is situated along a northeast trending drainage. The area of Anomaly VII has not been mapped or prospected, nor was it covered by the helicopter-borne geophysical survey.

### **2006 DIAMOND DRILLING**

A total of 368.81 m of diamond drilling was completed in 2006. Drilling tested down-dip of MZ1 and MZ2. Data pertaining to the drill holes is listed in Table V below.

**Table V – Drill Hole Data**

Hole	Easting	Northing	Elevation (m)	Azimuth	Angle	Depth (m)
MG-06-01	523040	7146945	1892	165°	-70°	208.79
MG-06-02	522386	7146705	1739	142°	-70°	160.02

Hole MG-06-01 intersected an 8.31 m section of iron formation (Magnum Zone) within a 23.75 m exhalative horizon that is interbedded with felsic schist. Below the iron formation, stratigraphy comprises interbedded schists and phyllites. The iron formation consists of thinly laminated magnetite, carbonate, barite and limonite after pyrite, which correspond with the MZ2 surface showing. Immediately below the exhalative sequence, there is a 1.43 m thick interval of heavily sheared muscovite-limonite schist. A sample of this interval returned 7.3 g/t silver, 1460 ppm lead and 917 ppm zinc (Wengzynowski and Nunez, 2006).

Hole MG-06-02 intersected andesite followed by thinly bedded muscovite schist, minor cherty exhalite and phyllite. Hematite alteration overprints felsic schists and phyllites in this hole. No comparative iron formation or limonitic schists were encountered, and geochemical response in MG-06-02 was low. According to Condor, the weakest part of TZ-2 extends southeast under MG-06-02; however, the drill hole did not extend deep enough to intersect it.

No VMS mineralization was observed in either hole. Apart from the iron formation and limonitic schists, the only mineralization encountered in drill holes was pyrite, occurring as weakly disseminated flecks and occasional coarse cubes in quartz veinlets.

### **DEPOSIT MODEL**

YTT hosts Kuroko, Besshi and Cyprus type VMS occurrences, with the best known and most advanced deposit being Yukon Zinc Corp.'s Wolverine Mine. Most of the known deposits in the

Yukon are located in the Finlayson Lake District on the northeast side of the Tintina Fault, but a copper-gold-rich VMS deposit has recently been discovered on the Touleary property on the southeast side of the fault.

The Wolverine Mine is a Kuroko-type VMS deposit that contains precious metal rich mineralization, which is temporally and spatially related to periods of explosive sub-marine felsic volcanism. At the Wolverine Mine, massive sulphide lenses have been discovered 50 to 100 m beneath a laterally extensive iron formation. Recent studies have proven the magnetic horizon and sulphide mineralization are co-genetic (YGS, 2013).

Mineralization in Kuroko-type VMS deposits is usually associated with felsic volcanic rocks. It comprises semi-massive to massive lenses of chalcopyrite, galena, sphalerite, tetrahedrite, arsenopyrite and bornite, which often grade laterally or vertically into chert or sedimentary layers termed exhalites. The exhalites can comprise a combination of barite, gypsum, anhydrite or carbonate. Ore lenses are often stacked with 'black ore' containing pyrite, galena, sphalerite, pyrrhotite and magnetite underlain by 'yellow ore' consisting of chalcopyrite bearing stockworks and quartz veins cutting sericite-chlorite altered footwall rocks (Hoy, 1995).

The geochemical signature of a Kuroko-type VMS deposit typically shows increased copper in the footwall feeder zone, and higher zinc upward and outward from the core of the hydrothermal upwelling zones. In felsic-hosted deposits, barite, lead, arsenic and antimony are often enriched upward and outward from the zinc-rich zones. cursory research has also shown that antimony and selenium are often concentrated proximal to a vent (Peter et al., 2007).

## **DISCUSSION AND CONCLUSIONS**

The Magnum property hosts two types of mineralization – VMS-related exhalite horizons and polymetallic veins. The possible relationship between the styles of mineralization is not known at present time.

Property-scale mapping in 2006 and 2013 identified three apparently stacked iron formations in the central part of the property and a chert in the northeastern part, which are believed to represent a series of exhalite horizons, or an isoclinal fold repeated horizon. Vein mineralization could represent remobilization from earlier stratabound VMS mineralization.

Seven areas of anomalous multi-element soil geochemical response have been identified on the property. Each of these areas has a distinctive geochemical signature. Based on their selenium-copper-antimony signatures, and the abundance of chloritization in the underlying units, Anomaly II and the northern part of Anomaly III could mark a vent proximal feeder zone. Correspondingly, the arsenic, barium, lead, antimony and zinc enriched geochemical signatures of Anomalies V, VII and VII may represent a distal setting. Additional work is definitely warranted to determine the source of the metals in soils and the relationship between soil geochemistry, geology and geophysical anomalies.

Future work on the Magnum property should include the following:

- 1) additional soil geochemical sampling;
- 2) prospecting and hand pitting;
- 3) geological mapping;
- 4) air photo interpretation;
- 5) thin section analyses;
- 6) hand trenching; and,
- 7) diamond drilling.

Additional **geochemical sampling** should be completed northwest of Anomalies III, IV and VI. Contour or grid soil sampling should also be completed in the west-central and northwestern parts of the property to try and identify the source of high gold-in-silt values.

Systematic **prospecting and hand pitting** should focus on areas with strongly anomalous multi-element soil geochemical response – particularly those with high lead and gold values because those metals are the least mobile in deeply weathered environments. It should also be done in the area of gold-silver enriched vein mineralization near the major strike-slip fault to identify a bedrock source and the extent of mineralization. Additionally, an attempt should be made to fully delineate the surface trace of known magnetite horizons and determine the probably source of the mineralized schist discovered in 2006 downstream from these horizons.

**Geological mapping** should be performed on the western half of the property where little or no work has been done.

An **air photo interpretation** would be useful for identifying areas where outcrops are likely to be formed and recessive linears that could mark faults or deeply weathered zones of mineralization.

**Thin section analyses** should be done on a number of specimens representing different lithologies on the property. Specifically, it should be done to: determine if the chlorite component of the chlorite schist is primary or secondary; characterize the composition of the diorite body; and, establish the nature of the chert (exhalative origin?).

In areas where mineralization is discovered as float or in soil from hand pits, it may be possible to dig **hand trenches** to expose the bedrock source.

Pending favourable results from the above mentioned activities, **diamond drilling** is ultimately recommended to test the prospective stratigraphy down-dip, especially where the magnetic and/or EM response is high.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

A handwritten signature in blue ink, consisting of a stylized 'A' followed by a horizontal line and a small flourish.

J. Morton, B.Sc., GIT

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**APPENDIX I**  
**STATEMENT 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  
Magnum 1-160 Mineral Claims  
January 31, 2016

Labour

D. Eaton (geologist) 10 hours April to January at \$120/hr	\$ 1,260.00
H. Burrell (geologist) 12 hours April to January at \$106/hr	1,335.60
A. Mitchell (geologist) 16 hours April to January at \$82/hr	1,377.60
J. Morton (geologist) 16 hours April to January at \$82/hr	1,377.60
J. Thomson-Gladish (field assistant) 40 hours April to January at \$57/hr	2,394.00
L. Martin-Berry (field assistant) 50 1/2 hours April to January at \$49/hr plus field bonus	3,490.73
W. Schneider (expedite) 7 hours April to January at \$92/hr	676.20
J. Mariacher (office) 5 hours April to January at \$90/hr	472.50
L. Corbett (expedite) 6 hours April to January at \$81/hr	510.30
L. Smith (expedite and office) 11 hours April to January at \$69/hr	796.95
S. Newman (office) 27 1/2 hours April to January at \$64/hr	<u>1,848.00</u>
	15,539.48

Expenses (including management)

Field room and board – 12 days at \$180/day	2,440.80
ALS Chemex	10,826.87
Truck rental and fuel	<u>1,105.17</u>
	14,372.84

Total \$29,912.32

Total 313 samples = 95.57/sample

Statement of Expenditures  
Magnum 1-160 Mineral Claims  
March 16, 2016

Labour

D. Eaton (geologist) 5 hours February to March 24 at \$120/hr	\$ 630.00
H. Burrell (geologist) 38 hours February to March 24 at \$106/hr	4,229.40
J. Morton (geologist) 8 hours February to March 24 at \$82/hr	688.80
J. Mariacher (office) 8 hours February to March 24 at \$90/hr	756.00
L. Smith (expedite and office) 13 hours April to January at \$69/hr	<u>941.85</u>
	7,246.05
 Total	 <u>\$7,246.05</u>

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



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

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

Page: 1  
 Total # Pages: 9 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 17-SEP-2015  
 Account: MTT

**CERTIFICATE WH15131686**

Project: MAGNUM

This report is for 313 Soil samples submitted to our lab in Whitehorse, YT, Canada on 31-AUG-2015.

The following have access to data associated with this certificate:

HEATHER BURRELL	JOAN MARIACHER
-----------------	----------------

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

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

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

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

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

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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 Total # Pages: 9 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 17-SEP-2015  
 Account: MTT

Project: MAGNUM

CERTIFICATE OF ANALYSIS	WH15131686
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Sample Description	WEI-21 Recvd Wt. kg	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm	ME-MS61 Fe %
	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
ZZ108433	0.45	0.96	6.43	33.3	2650	1.87	0.18	0.81	0.81	67.7	12.7	103	6.29	48.4	4.38
ZZ108434	0.49	0.27	7.04	13.8	1730	1.70	0.21	0.94	0.18	75.7	14.3	108	7.54	49.1	3.52
ZZ108435	0.45	1.79	8.60	11.1	1920	2.65	0.28	2.63	1.64	85.9	14.6	122	9.61	64.9	3.82
ZZ108436	0.51	0.21	7.44	8.2	1170	1.89	0.23	1.29	0.49	86.4	13.6	84	4.76	30.2	3.65
ZZ108437	0.49	0.11	8.36	10.6	1270	2.48	0.27	0.87	0.15	96.5	15.6	92	6.19	28.2	4.07
ZZ108438	0.43	0.33	7.37	25.2	4820	1.98	0.19	0.81	0.31	84.0	10.8	104	6.67	32.0	3.41
ZZ108439	0.36	0.32	7.11	23.0	2020	1.32	0.16	0.93	0.21	60.3	13.6	146	4.04	27.6	3.70
ZZ108440	0.47	0.18	7.86	34.4	1760	1.07	0.10	1.03	0.12	45.9	26.5	299	3.93	73.2	5.07
ZZ108441	0.45	0.11	6.86	18.0	1650	1.45	0.20	1.14	0.11	62.9	13.0	117	3.28	47.1	4.00
ZZ108442	0.39	0.46	6.98	43.5	2580	1.68	0.16	1.23	0.27	61.1	15.8	135	3.76	119.5	4.00
ZZ108443	0.41	3.10	7.11	27.4	2760	2.25	0.29	2.16	2.45	88.0	15.6	131	8.01	104.0	3.76
ZZ108444	0.44	0.37	8.35	16.7	1810	1.34	0.12	1.24	0.23	38.9	27.1	256	3.82	74.6	5.52
ZZ108445	0.43	0.17	5.50	27.0	890	1.28	0.14	1.05	0.10	53.5	20.6	312	2.49	33.5	3.54
ZZ108446	0.37	0.67	6.75	14.8	1010	0.95	0.13	1.44	0.31	44.0	18.8	151	2.48	50.8	3.65
ZZ108447	0.44	0.23	5.82	56.3	920	1.34	0.16	1.31	0.11	47.3	43.2	276	2.66	26.5	3.94
ZZ108448	0.41	0.27	4.41	60.2	680	1.04	0.12	1.06	0.06	32.9	49.6	707	1.61	20.4	4.45
ZZ108449	0.34	0.12	5.79	31.2	1100	1.17	0.14	1.32	0.09	57.3	24.2	260	2.68	34.5	3.77
ZZ108450	0.39	0.28	7.25	43.6	2150	1.42	0.17	1.12	0.09	64.8	21.6	181	4.66	49.6	4.52
ZZ108451	0.39	0.17	6.30	20.9	1230	1.42	0.15	1.21	0.12	57.9	15.7	132	2.91	33.7	3.77
ZZ108452	0.42	0.21	8.42	63.5	1270	2.21	0.31	0.85	0.06	85.1	19.5	149	7.25	34.5	4.46
ZZ108453	0.44	0.23	8.29	39.5	1420	2.09	0.34	0.82	0.07	85.5	17.2	169	7.65	32.2	4.20
ZZ108454	0.45	0.31	11.55	54.3	2040	3.44	0.51	0.20	0.09	110.0	17.3	132	15.30	40.8	4.92
ZZ108455	0.49	0.26	7.18	18.9	1220	1.38	0.19	1.19	0.11	65.1	13.9	85	3.92	17.4	3.32
ZZ108456	0.41	0.44	11.30	77.2	2160	3.49	0.21	0.56	0.13	106.5	16.0	124	15.10	30.2	5.37
ZZ108457	0.50	0.14	11.35	88.2	1970	3.48	0.48	0.24	0.17	100.0	17.2	115	16.25	55.2	5.12
ZZ108458	0.42	0.12	6.43	26.6	1070	1.46	0.20	1.40	0.11	66.5	21.1	170	2.80	32.4	4.00
ZZ108459	0.51	0.15	6.81	19.4	1160	1.28	0.19	1.17	0.08	56.5	19.7	184	2.91	41.0	4.43
ZZ108460	0.48	0.20	8.32	41.9	1090	0.82	0.11	0.96	0.14	26.9	47.7	567	2.99	109.5	6.93
ZZ108461	0.46	0.17	7.26	41.3	2590	1.10	0.17	0.94	0.17	47.4	15.6	152	3.78	62.1	4.16
ZZ108462	0.41	0.53	7.17	65.4	2490	1.24	0.18	0.95	0.33	46.9	21.1	190	4.85	53.3	4.41
ZZ108463	0.42	0.15	7.68	45.5	1330	0.98	0.14	0.60	0.20	32.8	23.2	302	5.83	65.4	5.24
ZZ108464	0.53	1.47	7.15	295	5640	1.59	0.23	0.71	0.48	71.7	13.1	127	10.45	47.5	3.58
ZZ108465	0.54	4.22	9.37	3730	5570	2.93	0.24	0.72	9.99	137.5	15.6	143	12.95	37.6	4.25
ZZ108466	0.44	0.20	8.41	15.9	1300	2.47	0.31	1.72	0.51	86.0	15.7	84	7.64	41.2	3.98
ZZ108467	0.44	0.36	9.33	27.3	1390	2.94	0.38	0.50	0.70	109.5	19.6	101	11.85	54.0	4.90
ZZ108468	0.42	0.67	9.73	46.2	2060	2.81	0.33	0.74	1.55	121.5	15.6	120	12.85	57.0	4.21
ZZ108469	0.45	2.00	6.12	52.7	2510	1.85	0.33	0.54	1.52	67.4	14.8	95	6.28	99.3	4.51
ZZ108470	0.46	1.00	7.11	51.1	3150	1.81	0.24	0.48	1.82	81.5	11.9	120	7.77	70.2	4.02
ZZ108471	0.45	0.81	8.57	36.6	4170	2.30	0.34	0.57	0.74	101.0	13.3	109	8.72	62.4	3.64
ZZ108472	0.45	3.00	6.96	44.5	2490	1.82	0.27	0.68	2.68	75.5	9.5	167	7.40	71.6	3.31



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**CERTIFICATE OF ANALYSIS WH15131686**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
ZZ108433		15.10	0.18	2.6	0.054	1.56	34.9	26.1	0.72	2420	3.97	0.89	10.2	48.9	930	16.7
ZZ108434		17.35	0.20	2.7	0.060	1.65	39.7	27.6	0.73	723	2.03	0.97	12.3	52.7	460	15.5
ZZ108435		24.4	0.18	3.6	0.077	2.59	42.7	57.0	0.62	396	7.37	0.43	16.4	67.6	910	18.5
ZZ108436		17.75	0.19	2.7	0.061	1.69	42.8	31.5	0.81	569	1.97	1.24	12.1	34.3	510	19.0
ZZ108437		21.7	0.27	3.3	0.066	1.80	46.9	44.1	0.87	510	2.65	1.23	15.2	38.7	410	17.3
ZZ108438		18.95	0.24	2.8	0.058	2.05	44.0	28.8	0.65	1140	2.41	0.86	12.7	42.4	720	17.1
ZZ108439		17.30	0.16	2.1	0.056	1.43	29.1	30.1	0.91	558	1.88	1.25	10.3	55.5	500	16.2
ZZ108440		16.55	0.21	1.4	0.058	1.09	22.5	40.6	1.49	1100	1.45	1.59	6.9	134.0	710	9.0
ZZ108441		16.15	0.20	2.1	0.053	1.24	32.8	29.0	0.95	442	1.51	1.32	10.7	45.3	290	14.1
ZZ108442		17.30	0.18	2.2	0.061	1.31	34.1	32.1	0.91	893	1.22	1.22	10.1	59.1	550	13.5
ZZ108443		20.0	0.28	3.9	0.074	2.66	44.4	32.8	0.73	606	21.8	0.10	14.1	126.0	880	17.8
ZZ108444		19.15	0.19	1.8	0.063	1.37	20.7	43.0	1.23	1100	1.07	1.66	5.9	111.0	510	10.0
ZZ108445		12.05	0.22	1.7	0.037	0.94	29.3	20.9	2.84	528	0.97	1.18	8.5	270	220	10.4
ZZ108446		15.25	0.19	1.7	0.047	1.02	23.1	31.9	1.40	1430	1.06	1.76	9.4	79.6	430	10.8
ZZ108447		13.40	0.18	1.8	0.035	1.13	21.7	21.7	2.43	1000	0.99	1.40	8.5	610	430	11.4
ZZ108448		9.94	0.20	1.4	0.029	0.78	14.1	15.5	6.41	853	1.51	1.04	5.8	766	640	7.8
ZZ108449		13.50	0.19	1.8	0.049	1.23	27.8	23.5	2.21	582	0.77	1.35	10.1	236	220	12.0
ZZ108450		17.70	0.22	1.9	0.067	1.57	31.2	33.0	1.10	1130	1.65	1.28	10.4	87.9	270	13.8
ZZ108451		14.65	0.17	1.9	0.047	1.24	30.3	27.0	0.93	817	1.65	1.27	9.6	57.7	180	13.0
ZZ108452		21.5	0.20	3.1	0.072	1.94	42.3	41.2	1.27	539	1.23	1.32	12.5	121.0	320	22.0
ZZ108453		21.3	0.13	3.0	0.074	2.07	41.4	39.8	1.63	451	1.67	1.19	10.3	154.5	350	23.5
ZZ108454		30.9	0.15	4.1	0.112	3.60	50.8	54.5	0.98	383	1.51	0.52	9.7	123.0	730	30.0
ZZ108455		16.85	0.08	2.3	0.053	1.43	31.5	31.6	0.97	773	1.58	1.42	10.4	43.7	550	13.9
ZZ108456		29.4	0.12	4.0	0.106	3.24	49.3	110.0	0.83	316	2.83	0.89	10.1	81.7	630	15.6
ZZ108457		31.4	0.16	4.2	0.112	3.31	44.8	72.6	0.89	284	5.12	0.68	6.8	99.5	630	29.5
ZZ108458		14.60	0.07	2.0	0.049	1.12	34.7	23.2	1.68	593	1.17	1.41	10.7	193.0	220	13.6
ZZ108459		15.55	0.08	1.7	0.054	1.11	30.0	35.7	2.01	721	0.95	1.46	10.5	169.0	370	12.6
ZZ108460		17.80	<0.05	0.9	0.067	0.74	15.0	60.5	2.09	1740	0.77	1.80	4.6	219	440	6.2
ZZ108461		18.10	<0.05	1.9	0.049	1.45	23.1	32.0	0.93	534	1.65	1.36	9.1	65.3	360	11.1
ZZ108462		16.95	0.05	1.7	0.065	1.34	22.4	33.8	0.98	1480	1.96	1.31	8.4	79.6	740	49.7
ZZ108463		16.80	<0.05	1.3	0.065	1.09	16.6	38.4	1.38	505	1.91	1.55	7.9	117.5	500	16.1
ZZ108464		18.85	0.07	2.3	0.096	1.86	36.1	30.2	0.73	1070	3.06	0.81	10.6	68.4	760	113.5
ZZ108465		26.6	0.12	2.7	1.720	3.55	67.6	29.1	0.75	1040	1.35	0.67	10.1	62.5	760	1265
ZZ108466		21.1	0.10	3.1	0.081	1.66	42.7	46.4	0.84	778	4.98	1.10	15.7	44.4	540	24.3
ZZ108467		24.2	0.10	3.7	0.091	2.29	53.0	54.3	0.91	611	11.45	0.77	17.7	66.5	670	31.2
ZZ108468		25.6	0.11	3.6	0.085	2.83	59.8	47.6	0.61	550	14.30	0.75	17.6	66.0	580	22.1
ZZ108469		16.30	0.09	2.7	0.052	2.20	36.4	18.5	0.68	1960	20.5	0.56	9.9	70.4	620	21.4
ZZ108470		19.35	0.09	3.0	0.059	2.67	39.6	28.2	0.75	2500	28.1	0.39	11.9	81.9	910	36.5
ZZ108471		23.3	0.11	3.4	0.085	2.77	50.9	30.2	0.71	370	16.05	0.53	16.0	46.6	980	25.6
ZZ108472		18.85	0.11	2.7	0.058	2.61	39.2	29.2	0.83	378	36.1	0.61	12.6	61.5	580	19.2





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Sample Description	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	
ZZ108433	74.5	<0.002	0.01	5.12	14.3	3	1.7	318	0.71	0.09	8.8	0.406	0.72	2.6	129	
ZZ108434	82.9	<0.002	0.01	3.50	15.9	4	2.0	238	0.96	0.07	10.4	0.437	0.71	2.7	137	
ZZ108435	130.5	0.002	0.02	4.67	18.8	5	2.9	143.0	1.09	0.20	12.0	0.520	1.36	3.1	213	
ZZ108436	93.3	0.002	0.01	1.30	14.4	2	2.0	222	0.83	0.08	10.9	0.438	0.67	1.9	116	
ZZ108437	101.0	<0.002	0.01	1.37	16.8	2	2.5	188.5	1.07	0.07	12.1	0.512	0.82	2.5	136	
ZZ108438	100.5	0.002	0.01	2.58	14.6	1	2.2	194.0	0.87	0.06	10.8	0.445	0.84	2.4	149	
ZZ108439	62.5	<0.002	0.01	2.30	13.8	1	1.7	213	0.73	<0.05	7.6	0.425	0.60	1.8	132	
ZZ108440	49.4	0.002	0.01	2.07	23.9	1	1.2	156.0	0.47	0.05	5.2	0.448	0.38	1.6	166	
ZZ108441	61.2	0.002	0.01	1.70	15.1	1	1.6	207	0.71	0.07	8.4	0.432	0.47	2.1	145	
ZZ108442	61.6	0.002	0.01	2.07	21.0	2	1.8	198.5	0.67	<0.05	7.6	0.447	0.55	2.8	157	
ZZ108443	123.5	0.002	0.02	10.10	17.7	8	2.5	66.8	1.00	0.26	11.7	0.497	1.51	3.4	318	
ZZ108444	53.1	0.002	0.01	1.71	28.1	1	1.1	230	0.40	0.06	4.6	0.335	0.42	1.8	165	
ZZ108445	44.4	<0.002	0.01	2.45	14.7	1	1.2	196.5	0.58	0.05	6.3	0.348	0.35	1.7	110	
ZZ108446	37.3	<0.002	0.01	1.17	15.7	1	1.1	249	0.61	<0.05	4.6	0.372	0.37	1.4	114	
ZZ108447	45.8	0.002	0.01	1.97	11.6	1	1.3	239	0.56	<0.05	5.7	0.339	0.43	1.5	88	
ZZ108448	26.6	<0.002	0.01	2.83	10.1	1	0.9	199.0	0.39	<0.05	3.6	0.247	0.32	1.1	64	
ZZ108449	50.3	0.002	0.01	2.09	14.9	1	1.4	219	0.73	<0.05	7.4	0.391	0.42	1.6	121	
ZZ108450	76.4	<0.002	0.01	2.58	20.5	1	1.5	198.5	0.67	<0.05	7.3	0.418	0.60	1.6	153	
ZZ108451	60.3	<0.002	0.01	1.75	15.9	1	1.5	201	0.68	0.09	7.3	0.399	0.46	1.7	125	
ZZ108452	109.0	<0.002	0.01	2.25	17.9	2	2.4	201	0.88	0.08	11.8	0.441	0.80	2.1	125	
ZZ108453	99.5	<0.002	0.02	1.90	16.5	2	2.2	189.5	0.73	<0.05	13.3	0.351	0.84	2.0	118	
ZZ108454	184.5	<0.002	0.02	2.62	23.0	2	3.2	128.0	0.69	0.11	17.7	0.291	1.47	2.4	143	
ZZ108455	61.3	<0.002	0.01	1.16	11.6	1	1.7	252	0.73	<0.05	9.2	0.391	0.59	1.8	108	
ZZ108456	167.5	<0.002	0.02	3.38	22.7	1	3.0	211	0.71	0.05	17.4	0.341	1.36	3.0	155	
ZZ108457	183.5	<0.002	0.01	2.68	24.6	2	3.2	147.0	0.48	0.11	16.4	0.219	1.63	2.8	167	
ZZ108458	48.3	<0.002	0.01	1.76	14.6	1	1.5	233	0.77	<0.05	9.0	0.422	0.43	1.9	127	
ZZ108459	47.6	<0.002	0.01	3.29	20.2	1	1.4	193.0	0.74	<0.05	7.8	0.434	0.42	2.3	143	
ZZ108460	33.5	<0.002	0.01	2.72	34.4	1	0.8	101.0	0.31	<0.05	3.3	0.309	0.30	1.1	206	
ZZ108461	61.0	<0.002	0.01	2.35	17.4	1	1.5	208	0.63	<0.05	5.5	0.431	0.51	1.7	158	
ZZ108462	62.6	<0.002	0.01	5.85	20.6	1	3.4	188.5	0.57	<0.05	6.2	0.437	0.55	2.1	156	
ZZ108463	56.3	<0.002	0.01	3.58	22.4	1	2.0	134.0	0.55	0.05	4.4	0.518	0.46	1.5	168	
ZZ108464	90.5	<0.002	0.03	25.3	15.2	2	10.7	227	0.72	0.05	10.8	0.382	0.89	2.5	171	
ZZ108465	173.5	<0.002	0.15	14.60	18.7	1	35.7	219	0.69	<0.05	19.1	0.354	1.24	3.4	127	
ZZ108466	82.7	<0.002	0.02	1.94	15.7	3	2.6	234	1.04	0.08	13.4	0.484	0.87	3.4	146	
ZZ108467	119.0	<0.002	0.01	3.44	19.3	3	3.1	142.5	1.19	0.11	16.6	0.529	1.16	3.0	203	
ZZ108468	137.0	<0.002	0.01	7.41	20.9	5	3.0	147.5	1.18	0.14	15.9	0.541	1.51	3.7	302	
ZZ108469	100.0	<0.002	0.01	10.75	15.6	5	1.8	148.5	0.70	0.30	9.2	0.383	1.26	4.3	431	
ZZ108470	114.5	<0.002	0.01	8.95	15.5	9	2.2	186.0	0.85	0.15	11.8	0.430	1.54	3.8	353	
ZZ108471	123.0	<0.002	0.02	6.62	17.4	4	3.1	286	1.10	0.16	14.2	0.505	1.36	4.1	252	
ZZ108472	112.5	<0.002	0.04	15.35	14.9	14	2.2	189.5	0.90	0.19	11.2	0.459	1.93	4.1	808	



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Sample Description	Method Analyte Units LOR	ME-MS61 W ppm	ME-MS61 Y ppm	ME-MS61 Zn ppm	ME-MS61 Zr ppm	Au-ICP21 Au ppm
		0.1	0.1	2	0.5	0.001
ZZ108433		1.4	18.7	113	95.2	0.009
ZZ108434		1.6	17.0	114	103.5	0.004
ZZ108435		1.9	15.5	192	138.5	0.011
ZZ108436		1.4	14.9	87	101.0	0.003
ZZ108437		1.9	13.9	88	117.0	0.003
ZZ108438		1.7	13.4	113	104.0	0.006
ZZ108439		1.2	9.4	108	73.3	0.002
ZZ108440		1.0	14.6	98	50.0	0.004
ZZ108441		1.3	13.8	74	76.0	0.005
ZZ108442		1.4	21.7	101	81.6	0.009
ZZ108443		2.3	18.2	342	148.5	0.032
ZZ108444		1.0	15.8	113	71.8	0.005
ZZ108445		1.0	17.2	74	57.3	0.003
ZZ108446		0.9	11.8	131	63.6	0.001
ZZ108447		0.9	11.0	70	65.4	0.002
ZZ108448		0.7	7.1	55	53.0	0.027
ZZ108449		1.1	14.3	62	64.0	0.003
ZZ108450		1.6	13.6	78	74.0	0.003
ZZ108451		1.2	15.8	63	64.3	0.002
ZZ108452		1.8	13.3	72	112.5	0.005
ZZ108453		1.3	13.8	69	104.5	0.003
ZZ108454		1.3	13.7	89	147.5	0.002
ZZ108455		1.3	10.6	71	84.0	0.002
ZZ108456		1.8	14.5	92	140.5	0.003
ZZ108457		1.3	15.0	102	149.5	0.003
ZZ108458		1.2	23.0	78	70.2	0.003
ZZ108459		1.2	20.3	72	62.5	0.006
ZZ108460		0.7	17.4	96	30.5	0.005
ZZ108461		1.2	9.6	91	74.6	0.002
ZZ108462		1.4	12.8	158	66.1	0.005
ZZ108463		1.1	11.8	127	42.3	0.010
ZZ108464		5.2	13.6	189	92.2	0.028
ZZ108465		5.8	16.2	1280	101.5	0.063
ZZ108466		1.7	18.6	108	113.0	0.002
ZZ108467		2.0	19.8	167	134.0	0.007
ZZ108468		1.9	23.8	223	130.0	0.012
ZZ108469		1.9	24.8	221	107.5	0.019
ZZ108470		1.7	17.5	294	116.5	0.009
ZZ108471		1.9	16.0	141	123.5	0.011
ZZ108472		1.6	15.9	321	103.0	0.011



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**CERTIFICATE OF ANALYSIS WH15131686**

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOR		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
ZZ108473		0.43	1.09	6.61	14.6	1630	1.52	0.22	0.86	0.73	70.3	11.5	99	6.06	50.1	3.18
ZZ108474		0.46	0.96	6.19	8.6	1490	1.47	0.22	0.91	0.50	64.4	10.8	88	4.52	48.3	3.19
ZZ108475		0.41	0.46	7.44	13.7	1320	1.92	0.26	1.26	0.35	84.9	13.3	89	6.28	38.8	3.93
ZZ108476		0.58	0.70	9.05	52.2	3040	2.36	0.24	2.16	1.03	123.5	14.9	155	10.60	40.7	3.42
ZZ108477		0.50	0.24	10.15	72.4	2470	2.69	0.28	0.96	0.31	146.5	17.4	158	9.33	33.4	4.03
ZZ108478		0.49	0.24	9.24	79.2	2080	2.32	0.29	1.91	0.26	121.0	18.1	155	7.27	35.1	3.94
ZZ108479		0.53	0.20	8.47	248	1430	2.18	0.25	2.03	0.12	93.1	17.9	205	6.66	33.5	3.96
ZZ108480		0.44	0.13	8.97	40.6	1230	2.08	0.18	1.15	0.14	112.0	12.0	93	4.93	22.1	3.52
ZZ108481		0.41	0.32	5.08	46.2	640	0.86	0.14	12.50	0.17	70.9	20.5	115	1.98	61.8	5.06
ZZ108482		0.49	0.32	12.05	106.5	1340	3.42	0.34	0.41	0.14	156.0	13.3	144	8.07	32.3	3.88
ZZ108483		0.43	4.18	6.22	82.9	1260	1.10	0.17	1.38	0.69	57.3	12.6	147	2.61	18.5	2.95
ZZ108484		0.35	0.26	6.85	27.1	1230	1.29	0.21	1.25	0.17	63.2	14.0	84	4.89	18.7	2.95
ZZ108485		0.37	0.18	7.48	44.4	1120	1.89	0.12	0.98	0.12	98.7	20.8	175	3.89	32.3	4.89
ZZ108486		0.41	0.14	7.69	68.3	1240	1.78	0.19	1.13	0.10	85.1	16.8	134	4.82	33.9	4.48
ZZ108487		0.35	0.58	11.20	201	1480	3.15	0.22	0.33	0.14	130.5	17.0	121	11.85	40.5	4.58
ZZ108488		0.35	0.47	8.00	222	1350	1.67	0.26	1.04	0.17	74.8	15.4	171	6.06	37.1	4.19
ZZ108489		0.34	0.37	8.94	136.0	1610	2.30	0.19	1.01	0.14	108.0	17.9	156	7.26	28.9	4.15
ZZ108490		0.37	0.21	7.68	106.5	1250	1.89	0.16	1.02	0.10	95.7	22.5	141	4.91	34.1	4.90
ZZ108491		0.41	0.10	8.16	41.2	930	2.05	0.18	0.83	0.11	114.0	16.6	113	5.33	24.8	3.90
ZZ108492		0.47	0.15	8.51	42.8	960	2.64	0.15	4.58	0.06	98.5	12.6	91	5.95	27.0	3.48
ZZ108493		0.42	0.16	7.40	106.0	1000	1.84	0.28	1.23	0.08	95.5	13.0	88	3.83	33.8	3.69
ZZ108494		0.42	0.29	9.92	18.7	840	3.36	0.32	3.49	0.03	130.5	18.8	102	6.47	43.2	4.31
ZZ108495		0.46	0.13	10.05	17.7	860	3.87	0.39	3.54	0.02	155.0	22.8	103	6.34	54.2	4.64
ZZ108496		0.52	0.13	7.48	15.5	960	2.00	0.19	1.79	0.07	99.9	13.5	86	3.89	21.2	3.64
ZZ108497		0.38	0.11	7.26	16.2	860	2.26	0.23	4.35	0.08	102.5	15.3	90	4.30	28.3	3.86
ZZ108498		0.35	0.11	7.72	14.8	980	1.84	0.30	3.58	0.07	87.6	25.8	72	3.84	30.3	5.67
ZZ108499		0.43	0.18	9.24	141.0	1340	2.78	0.19	0.59	0.14	121.5	21.9	231	6.93	34.5	4.58
ZZ108500		0.32	4.86	8.93	1115	2480	2.41	0.58	1.21	2.98	100.5	18.4	361	11.20	53.3	4.50
ZZ107882		0.48	0.15	5.83	41.4	730	1.07	0.11	1.00	0.08	76.2	8.5	60	2.27	12.0	2.49
ZZ107883		0.36	0.13	5.53	22.1	900	1.25	0.14	3.35	0.16	58.6	12.8	88	2.15	28.4	3.19
ZZ107884		0.45	0.16	5.73	45.9	930	1.24	0.14	3.38	0.12	62.9	20.6	131	2.36	32.8	4.04
ZZ107885		0.45	0.06	10.10	36.9	1180	3.49	0.27	0.41	0.02	165.0	27.1	112	9.15	53.8	5.38
ZZ107886		0.51	0.20	10.80	46.2	3090	3.44	0.21	1.70	0.12	142.5	19.6	130	8.23	27.4	4.10
ZZ107887		0.41	0.38	8.56	108.0	2840	2.47	0.22	2.83	0.33	115.0	16.6	152	8.46	35.1	3.14
ZZ107888		0.62	0.61	9.47	89.5	3910	2.76	0.25	2.29	0.53	138.0	16.4	132	8.68	37.1	3.47
ZZ107889		0.44	0.45	5.95	12.4	1180	1.43	0.19	1.22	0.34	66.8	12.4	85	3.37	36.5	3.32
ZZ107890		0.58	1.69	6.02	14.4	1450	1.50	0.21	1.63	1.06	65.4	13.0	94	4.25	58.0	3.35
ZZ107891		0.47	0.82	6.18	12.6	1410	1.59	0.23	0.98	0.42	65.5	12.6	86	4.46	53.0	3.22
ZZ107892		0.46	1.49	6.40	21.3	1740	1.49	0.20	1.09	0.91	63.4	12.1	90	4.99	56.7	3.17
ZZ107893		0.50	1.57	6.75	9.6	1400	1.43	0.25	1.14	2.04	61.5	12.8	80	4.09	47.2	3.05



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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units LOR	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
ZZ108473		17.15	0.07	2.5	0.054	1.82	34.2	28.0	0.75	529	9.47	0.87	11.3	51.8	330	14.7
ZZ108474		16.00	0.09	2.2	0.049	1.67	30.9	24.9	0.73	610	4.59	0.96	10.7	42.2	340	13.3
ZZ108475		18.05	0.09	2.7	0.071	1.82	42.0	31.0	0.97	655	4.12	1.16	14.1	45.2	390	19.5
ZZ108476		24.3	0.11	2.8	0.072	3.31	61.7	31.8	0.92	651	2.86	0.54	11.8	74.3	1340	20.3
ZZ108477		28.4	0.14	3.1	0.088	3.58	72.2	30.3	0.68	505	1.32	0.63	12.3	73.0	660	25.0
ZZ108478		25.1	0.11	2.8	0.067	2.90	58.6	27.9	0.79	535	1.04	0.89	11.2	93.7	620	24.4
ZZ108479		22.4	0.10	2.6	0.071	2.57	47.1	30.0	0.80	428	1.13	0.96	10.2	115.0	800	34.3
ZZ108480		22.9	0.11	2.5	0.063	2.53	53.5	25.9	0.55	489	0.98	1.10	10.5	44.8	370	12.9
ZZ108481		14.60	0.10	1.2	0.060	0.89	33.8	37.8	1.70	798	1.07	0.61	11.7	50.2	1060	11.0
ZZ108482		34.8	0.15	3.6	0.113	4.28	69.2	32.4	0.45	302	5.40	0.40	11.5	62.9	330	76.6
ZZ108483		14.65	0.07	1.9	0.073	1.18	28.1	21.7	1.20	578	1.41	1.36	10.7	87.2	370	86.5
ZZ108484		16.85	0.06	2.1	0.045	1.50	28.7	26.6	0.84	849	1.76	1.31	11.4	102.5	280	17.0
ZZ108485		18.65	0.17	2.0	0.065	1.50	48.1	33.7	1.27	798	1.49	1.34	10.9	115.0	520	17.7
ZZ108486		17.40	0.17	2.3	0.064	1.80	43.2	30.0	0.95	670	1.71	1.20	11.9	78.6	280	16.3
ZZ108487		30.9	0.22	3.0	0.099	4.26	61.8	38.8	0.66	432	1.70	0.47	15.7	87.1	480	17.4
ZZ108488		18.20	0.19	2.0	0.064	2.08	39.5	28.9	0.81	659	1.77	1.14	10.9	111.5	290	34.4
ZZ108489		24.4	0.16	2.7	0.074	2.72	51.6	33.9	0.74	844	2.35	1.18	10.8	73.9	480	23.8
ZZ108490		20.4	0.15	2.2	0.076	1.85	46.2	35.2	1.11	883	1.54	1.12	12.0	86.9	390	18.1
ZZ108491		21.9	0.14	2.3	0.063	2.19	53.7	25.3	0.76	750	2.24	1.15	9.6	49.1	310	21.1
ZZ108492		25.7	0.18	2.3	0.074	3.48	46.3	33.1	0.72	393	0.55	0.79	10.6	36.6	540	11.8
ZZ108493		17.95	0.15	2.2	0.056	2.08	48.1	24.3	0.77	703	1.03	1.27	10.1	41.6	230	36.1
ZZ108494		29.9	0.22	3.3	0.087	3.85	64.4	34.4	0.83	494	0.90	0.93	17.6	48.7	730	10.1
ZZ108495		31.9	0.25	3.2	0.095	4.32	76.5	32.1	0.91	540	1.03	0.45	18.3	54.1	410	8.5
ZZ108496		18.50	0.14	2.4	0.052	2.11	47.6	23.5	0.68	640	1.16	1.04	10.6	34.6	250	13.7
ZZ108497		19.50	0.17	2.4	0.058	2.40	53.4	25.0	0.72	745	0.90	0.87	12.6	43.9	360	17.2
ZZ108498		21.2	0.15	1.7	0.076	1.74	44.2	30.6	1.05	870	1.60	0.89	14.6	44.3	830	13.5
ZZ108499		26.4	0.18	2.7	0.086	2.97	59.5	34.5	1.29	484	1.15	0.79	12.0	184.5	410	34.2
ZZ108500		24.1	0.16	2.9	0.706	2.85	50.9	25.9	0.76	1020	1.33	0.89	10.3	240	750	1010
ZZ107882		13.65	0.10	2.1	0.036	1.23	35.6	17.7	0.50	419	1.09	1.10	7.0	22.7	200	15.9
ZZ107883		12.55	0.12	1.6	0.043	1.18	29.6	19.0	1.06	536	0.93	1.32	10.3	52.2	580	13.2
ZZ107884		14.00	0.11	1.7	0.046	1.10	31.6	25.5	1.52	646	0.88	1.28	9.9	106.0	640	13.0
ZZ107885		30.0	0.23	3.6	0.090	3.73	84.3	47.3	0.85	660	0.90	0.76	10.3	60.7	230	10.3
ZZ107886		31.6	0.21	3.0	0.093	4.12	70.5	34.8	0.73	607	0.82	0.54	12.9	42.4	720	28.1
ZZ107887		23.8	0.19	2.9	0.065	3.13	57.0	24.0	0.72	552	1.08	0.57	11.5	80.9	970	26.9
ZZ107888		26.3	0.22	3.2	0.081	3.57	68.9	26.6	0.96	513	1.75	0.53	12.2	73.8	1040	26.7
ZZ107889		14.20	0.13	2.0	0.049	1.40	30.6	22.9	0.76	676	3.68	1.15	10.2	41.9	300	14.7
ZZ107890		14.95	0.13	2.1	0.052	1.63	33.3	23.9	0.89	537	8.31	1.10	10.6	56.0	340	18.8
ZZ107891		15.70	0.13	2.2	0.052	1.61	32.5	23.8	0.69	656	4.17	0.89	10.4	49.7	340	15.6
ZZ107892		16.20	0.13	2.2	0.048	1.69	30.5	26.1	0.76	764	7.62	0.93	10.8	48.9	430	14.5
ZZ107893		17.80	0.11	2.8	0.051	1.62	30.2	27.5	0.77	697	13.70	1.24	10.8	49.4	530	16.6



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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units LOR	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
ZZ108473		75.9	<0.002	0.01	4.49	13.7	5	1.9	180.5	0.80	0.10	9.5	0.421	0.88	2.4	198
ZZ108474		68.8	<0.002	0.01	2.49	13.2	5	1.7	170.5	0.76	0.07	8.7	0.406	0.66	2.0	126
ZZ108475		82.9	<0.002	0.01	2.38	15.5	2	2.1	210	0.94	0.07	13.0	0.456	0.79	2.4	144
ZZ108476		145.0	<0.002	0.03	6.93	17.1	3	2.8	242	0.84	<0.05	17.9	0.379	1.29	3.5	133
ZZ108477		159.0	<0.002	0.02	5.17	19.8	2	2.8	183.0	0.84	<0.05	20.6	0.405	1.24	3.0	128
ZZ108478		130.0	<0.002	0.04	3.16	16.8	2	2.4	236	0.78	<0.05	17.0	0.395	0.99	2.6	121
ZZ108479		115.5	<0.002	0.03	3.33	18.5	2	3.0	241	0.71	<0.05	13.2	0.362	0.86	2.5	122
ZZ108480		110.0	<0.002	0.01	1.60	15.1	1	1.9	224	0.74	<0.05	14.2	0.389	0.84	2.9	110
ZZ108481		43.4	<0.002	0.04	2.12	16.0	1	1.2	300	0.79	<0.05	5.2	0.509	0.28	1.4	127
ZZ108482		192.5	<0.002	0.01	11.35	24.4	1	4.0	118.5	0.79	<0.05	25.0	0.400	1.33	3.1	128
ZZ108483		48.0	<0.002	0.01	5.47	10.4	2	3.0	245	0.75	0.05	7.0	0.409	0.52	1.8	103
ZZ108484		68.1	<0.002	0.01	1.68	10.9	1	1.7	236	0.87	0.06	7.4	0.400	0.66	1.9	97
ZZ108485		78.1	<0.002	0.01	1.94	17.4	1	1.8	154.0	0.73	0.05	10.9	0.451	0.57	1.5	134
ZZ108486		101.0	<0.002	0.01	3.33	16.7	2	2.1	210	0.81	<0.05	10.6	0.487	0.69	2.0	144
ZZ108487		212	<0.002	0.01	5.29	22.2	2	4.0	130.0	1.00	<0.05	18.0	0.457	1.53	2.7	138
ZZ108488		113.0	<0.002	0.01	8.43	16.2	2	2.4	216	0.74	<0.05	10.3	0.408	0.85	1.9	132
ZZ108489		121.5	0.002	0.01	5.64	17.0	1	2.5	251	0.75	<0.05	13.3	0.388	0.96	2.3	120
ZZ108490		89.0	<0.002	0.01	3.43	18.2	2	2.2	189.5	0.81	<0.05	12.7	0.474	0.72	1.9	140
ZZ108491		97.8	<0.002	0.01	1.75	15.9	1	2.0	164.5	0.66	<0.05	15.0	0.358	0.78	1.9	109
ZZ108492		128.5	<0.002	0.01	1.16	17.3	1	2.5	284	0.74	<0.05	15.5	0.345	0.94	2.3	103
ZZ108493		87.8	<0.002	0.01	1.49	14.9	1	1.8	233	0.71	<0.05	13.8	0.375	0.64	2.1	107
ZZ108494		155.0	<0.002	0.03	1.58	20.0	1	3.2	226	1.22	<0.05	18.2	0.466	1.05	3.1	112
ZZ108495		163.5	<0.002	0.02	1.28	22.2	1	3.2	238	1.21	0.05	23.9	0.486	1.17	2.7	117
ZZ108496		91.9	<0.002	0.01	1.44	14.2	1	1.9	222	0.76	<0.05	16.0	0.373	0.67	2.3	110
ZZ108497		112.5	<0.002	0.02	1.71	15.6	1	2.1	281	0.90	<0.05	14.0	0.396	0.74	2.6	100
ZZ108498		77.3	<0.002	0.02	1.87	17.8	1	1.8	283	0.99	<0.05	8.8	0.590	0.58	1.9	173
ZZ108499		135.0	<0.002	0.01	10.35	22.3	1	2.8	121.0	0.85	<0.05	16.7	0.416	1.06	2.6	135
ZZ108500		161.5	<0.002	0.06	87.9	19.9	2	24.4	244	0.69	<0.05	14.9	0.437	1.37	3.8	136
ZZ107882		46.3	<0.002	0.01	2.58	9.0	1	1.3	179.5	0.47	<0.05	12.6	0.281	0.42	1.7	75
ZZ107883		46.8	<0.002	0.02	1.36	12.1	1	1.3	270	0.76	<0.05	7.5	0.376	0.38	2.0	101
ZZ107884		45.7	<0.002	0.02	1.36	13.8	1	1.3	294	0.69	<0.05	7.7	0.389	0.40	1.7	111
ZZ107885		186.0	<0.002	0.01	2.13	23.8	1	2.8	124.0	0.69	0.06	24.6	0.331	1.18	2.5	115
ZZ107886		182.0	<0.002	0.04	2.60	24.7	1	2.8	175.0	0.88	<0.05	19.4	0.435	1.27	3.3	141
ZZ107887		138.0	<0.002	0.07	3.70	16.6	1	2.7	231	0.78	<0.05	15.9	0.355	1.08	3.7	106
ZZ107888		153.5	<0.002	0.04	6.06	17.4	2	2.7	224	0.84	<0.05	18.4	0.380	1.27	3.4	117
ZZ107889		56.2	<0.002	0.01	2.12	13.4	2	1.6	205	0.74	0.06	8.4	0.385	0.57	2.0	119
ZZ107890		69.6	<0.002	0.02	3.69	14.1	4	1.7	223	0.78	0.07	9.1	0.398	0.79	2.4	169
ZZ107891		67.8	<0.002	0.01	5.43	13.5	3	1.7	178.5	0.74	0.05	8.5	0.384	0.70	2.0	117
ZZ107892		70.6	<0.002	0.01	8.81	13.3	4	1.7	210	0.76	0.08	8.1	0.413	0.95	2.4	152
ZZ107893		61.7	<0.002	0.02	3.41	11.4	4	1.8	256	0.78	0.08	7.8	0.402	0.84	2.5	205



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**CERTIFICATE OF ANALYSIS WH15131686**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
ZZ108473		1.3	14.0	187	96.4	0.006
ZZ108474		1.1	13.5	134	84.4	0.006
ZZ108475		1.4	20.3	98	96.8	0.006
ZZ108476		2.4	16.9	104	100.0	0.007
ZZ108477		2.2	16.3	80	113.5	0.003
ZZ108478		2.0	16.1	88	106.0	0.005
ZZ108479		1.9	15.9	93	96.9	0.009
ZZ108480		1.5	11.3	77	94.7	0.002
ZZ108481		1.0	14.6	70	46.9	0.007
ZZ108482		2.2	9.9	137	129.5	0.002
ZZ108483		1.7	10.8	184	69.1	0.014
ZZ108484		1.1	12.8	93	77.4	0.001
ZZ108485		1.1	13.7	100	74.8	0.004
ZZ108486		1.5	15.4	86	86.1	0.002
ZZ108487		2.6	11.3	117	111.5	0.008
ZZ108488		1.8	19.3	102	75.3	0.008
ZZ108489		1.6	12.9	88	97.6	0.002
ZZ108490		1.6	17.9	85	85.4	0.006
ZZ108491		1.0	11.1	74	81.7	0.001
ZZ108492		1.4	10.1	59	82.9	0.005
ZZ108493		1.3	19.0	59	78.5	0.009
ZZ108494		2.0	13.5	67	109.5	0.004
ZZ108495		1.7	14.9	59	112.0	0.001
ZZ108496		1.2	14.9	60	85.4	0.002
ZZ108497		1.3	24.6	54	83.8	0.001
ZZ108498		1.6	19.1	80	65.1	0.004
ZZ108499		1.3	14.7	117	96.2	0.006
ZZ108500		4.6	14.7	898	109.0	0.046
ZZ107882		0.8	8.6	59	78.1	<0.001
ZZ107883		1.1	16.2	60	59.4	0.002
ZZ107884		1.1	18.4	75	62.0	0.004
ZZ107885		1.3	16.0	74	125.5	0.003
ZZ107886		1.7	15.1	87	107.0	0.012
ZZ107887		2.1	13.6	86	102.5	0.017
ZZ107888		2.1	15.5	106	110.5	0.012
ZZ107889		1.2	15.1	97	69.8	0.004
ZZ107890		1.6	18.2	165	75.8	0.011
ZZ107891		1.7	16.9	129	81.1	0.007
ZZ107892		1.3	12.1	188	91.9	0.010
ZZ107893		1.4	11.0	314	100.5	0.003



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**CERTIFICATE OF ANALYSIS WH15131686**

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOR		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
ZZ107895		0.54	0.46	8.95	107.5	3060	2.63	0.27	2.10	0.29	153.5	17.6	180	7.98	36.3	3.52
ZZ107896		0.52	0.84	7.95	91.9	5830	2.62	0.26	3.22	1.52	109.0	16.9	104	7.49	52.9	3.76
ZZ107897		0.40	0.21	9.07	94.7	2180	2.69	0.23	2.67	0.12	128.0	17.2	110	7.64	37.3	3.74
ZZ107898		0.34	0.18	7.20	83.4	980	1.69	0.20	1.50	0.07	90.8	16.0	106	4.34	34.6	3.89
ZZ107899		0.53	0.12	7.80	31.8	940	1.85	0.17	1.08	0.07	95.2	12.5	85	3.63	19.6	3.27
ZZ107900		0.44	0.23	8.65	148.5	960	2.10	0.15	0.55	0.09	143.5	13.6	77	7.20	24.0	3.14
ZZ107901		0.46	0.61	7.44	511	1030	1.90	0.19	2.14	0.77	117.0	21.0	109	5.08	34.9	4.57
ZZ107902		0.43	0.21	9.25	31.0	1010	2.59	0.18	0.72	0.07	123.5	12.3	90	7.18	22.2	3.49
ZZ107903		0.51	1.88	9.14	310	2000	2.47	0.22	0.87	0.68	122.0	17.4	292	8.27	35.6	3.99
ZZ107904		0.40	0.22	10.45	41.7	1010	3.18	0.19	0.66	0.09	149.0	15.6	155	8.14	26.0	3.83
ZZ107905		0.41	0.10	10.25	16.7	940	2.70	0.18	0.65	0.05	129.5	17.2	103	6.59	24.0	4.67
ZZ107906		0.38	0.12	7.27	13.1	670	2.12	0.19	12.25	0.05	105.0	14.5	76	4.70	27.2	3.42
ZZ107907		0.48	0.17	9.54	26.9	680	3.28	0.16	0.87	0.02	149.0	15.7	94	5.74	51.9	4.28
ZZ107908		0.36	0.10	6.66	17.9	970	1.82	0.22	1.16	0.09	86.2	11.6	83	3.73	19.3	3.67
ZZ107909		0.37	0.12	9.41	21.4	720	2.82	0.24	0.58	0.03	147.0	15.7	84	5.85	28.5	4.22
ZZ107910		0.43	0.14	8.13	68.2	770	2.29	0.26	1.72	0.07	120.0	14.9	89	5.30	22.5	4.05
ZZ107911		0.36	0.18	8.33	53.6	810	2.58	0.24	3.77	0.10	117.0	15.7	85	5.62	27.5	3.67
ZZ107912		0.51	0.45	6.92	13.1	1060	1.66	0.21	1.15	0.46	74.1	9.4	85	4.93	30.2	3.49
ZZ107913		0.54	0.41	7.19	13.1	1220	1.88	0.24	1.23	0.59	87.7	10.2	90	5.71	33.0	3.92
ZZ107914		0.46	0.18	7.86	8.9	1160	2.28	0.28	0.90	0.32	115.5	10.8	82	6.56	28.5	3.57
ZZ107915		0.55	0.38	7.78	18.5	1120	2.02	0.28	0.59	0.58	95.2	10.6	97	5.86	42.4	4.39
ZZ107916		0.40	0.08	6.15	10.4	900	1.48	0.17	1.04	0.10	65.5	8.7	74	2.87	14.5	3.03
ZZ107917		0.40	0.15	6.90	10.4	1020	1.74	0.18	0.91	0.16	86.7	11.1	75	3.25	21.5	3.27
ZZ107918		0.41	0.25	6.03	10.7	1190	1.32	0.17	1.55	0.29	70.6	10.6	125	3.17	26.4	3.11
ZZ107919		0.55	0.53	6.09	12.5	1470	1.46	0.17	1.83	0.51	78.7	11.7	125	3.72	27.6	3.12
ZZ107920		0.45	0.24	5.89	10.7	1080	1.09	0.15	1.68	0.54	67.8	11.1	111	2.75	23.6	2.91
ZZ107921		0.44	0.43	5.81	15.6	1160	1.40	0.15	1.50	0.31	61.6	11.1	103	3.51	31.7	3.11
ZZ107922		0.42	0.30	6.00	14.8	1130	1.31	0.15	1.70	0.51	66.8	12.3	117	3.15	30.8	3.22
ZZ107923		0.53	0.27	5.77	11.2	1080	1.36	0.15	1.74	0.70	64.4	11.1	124	2.78	30.3	2.99
ZZ107924		0.53	0.25	6.25	10.3	1280	1.30	0.15	1.78	0.42	63.5	10.0	116	2.57	31.0	2.95
ZZ107925		0.39	0.62	6.45	13.4	1360	1.51	0.18	1.43	0.38	75.6	10.6	118	4.15	33.8	3.43
ZZ107926		0.52	0.93	8.61	17.3	2850	2.47	0.31	1.01	0.90	113.5	15.9	118	6.97	59.4	4.61
ZZ107927		0.49	0.12	7.08	11.7	1050	1.29	0.18	1.10	0.22	65.4	9.8	82	3.28	16.9	3.50
ZZ107928		0.44	0.13	6.92	12.2	1060	1.66	0.18	1.19	0.11	69.2	8.8	82	3.31	21.1	3.44
ZZ107929		0.46	0.12	7.08	9.9	1190	1.69	0.17	1.28	0.37	81.1	8.7	87	4.49	22.8	3.40
ZZ107930		0.57	0.19	7.02	12.4	1140	1.55	0.18	1.44	0.27	70.3	9.1	91	3.95	21.6	3.55
ZZ107931		0.54	0.51	6.91	12.3	1020	1.33	0.17	1.30	0.83	61.7	9.1	76	3.50	18.9	3.35
ZZ107932		0.61	0.35	10.65	13.7	1840	3.20	0.31	0.46	0.84	153.0	15.3	99	15.00	41.0	5.29
ZZ107933		0.50	0.61	6.51	15.1	1250	1.44	0.16	1.61	1.15	66.4	11.0	131	3.85	38.4	3.43
ZZ107934		0.50	1.10	6.66	19.2	1470	1.54	0.19	1.39	1.85	70.2	11.8	171	4.64	40.9	3.68





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Sample Description	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	
	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5	
ZZ107895	24.6	0.20	3.1	0.074	3.28	75.2	24.4	0.70	429	1.46	0.51	11.9	97.2	880	30.5	
ZZ107896	23.8	0.16	3.2	0.071	3.34	53.4	31.4	1.27	423	17.75	0.43	12.7	49.0	1000	23.9	
ZZ107897	25.4	0.17	2.7	0.079	3.09	63.7	32.2	0.75	432	0.92	0.82	11.0	48.5	990	19.6	
ZZ107898	17.60	0.14	2.4	0.058	1.64	45.6	28.7	0.75	629	1.10	1.16	9.6	46.0	370	14.1	
ZZ107899	19.25	0.13	2.2	0.056	2.02	45.9	22.1	0.60	559	1.18	1.24	10.6	30.5	270	12.0	
ZZ107900	22.5	0.17	2.7	0.079	2.67	67.4	26.8	0.42	513	0.72	0.82	6.4	38.5	310	51.4	
ZZ107901	20.2	0.16	2.4	0.209	1.97	57.9	36.1	0.81	849	1.00	0.96	10.3	70.8	690	281	
ZZ107902	26.7	0.18	2.7	0.089	3.06	63.6	28.7	0.53	395	0.69	0.79	10.1	32.3	300	33.1	
ZZ107903	24.4	0.17	2.8	0.231	2.95	60.6	24.6	0.70	690	1.34	0.71	10.1	194.0	580	309	
ZZ107904	31.3	0.20	2.8	0.095	4.29	71.7	28.7	0.90	309	0.58	0.47	14.5	88.5	770	19.8	
ZZ107905	28.2	0.19	2.5	0.094	3.41	67.2	34.3	0.92	489	0.86	1.02	13.6	46.6	260	18.5	
ZZ107906	19.60	0.17	2.5	0.060	2.63	53.7	23.8	0.95	375	0.62	0.52	13.6	36.5	820	10.5	
ZZ107907	26.8	0.24	3.3	0.076	3.97	78.9	22.5	0.48	542	1.53	0.44	15.7	45.5	290	12.6	
ZZ107908	15.85	0.13	2.0	0.051	1.78	41.7	20.6	0.71	666	1.14	1.20	10.4	34.7	200	18.3	
ZZ107909	26.4	0.20	2.9	0.067	3.43	70.8	24.9	0.46	740	1.18	0.67	12.4	42.3	300	23.4	
ZZ107910	21.4	0.19	2.7	0.064	2.65	58.5	22.3	0.61	871	0.95	0.85	12.2	40.0	330	22.8	
ZZ107911	23.1	0.21	3.0	0.064	3.19	54.4	22.9	0.59	953	0.93	0.79	13.7	37.2	610	20.2	
ZZ107912	16.35	0.12	2.3	0.057	1.43	36.2	28.8	0.85	347	5.05	1.27	11.4	38.9	420	16.3	
ZZ107913	17.10	0.13	2.5	0.060	1.49	43.6	28.2	0.83	477	5.69	1.19	11.6	43.3	650	18.2	
ZZ107914	19.95	0.15	3.1	0.069	1.84	56.8	37.4	0.66	344	2.61	1.08	16.1	35.4	700	14.6	
ZZ107915	20.0	0.13	3.1	0.073	1.76	45.7	37.0	0.96	277	6.48	1.14	15.7	45.1	410	20.2	
ZZ107916	14.40	0.11	2.2	0.046	1.26	32.4	23.3	0.78	314	1.34	1.41	11.8	22.6	220	13.8	
ZZ107917	16.45	0.13	2.7	0.050	1.23	41.9	28.0	0.71	338	1.48	1.24	12.9	30.6	230	16.6	
ZZ107918	14.05	0.12	2.3	0.047	1.25	36.0	21.6	0.91	494	1.13	1.27	10.5	56.9	690	13.5	
ZZ107919	14.30	0.14	2.4	0.047	1.36	38.8	22.4	0.79	705	4.06	1.13	10.1	47.8	1050	13.3	
ZZ107920	12.75	0.10	2.1	0.039	1.12	33.6	20.0	0.83	644	1.03	1.27	9.5	53.5	730	13.0	
ZZ107921	13.40	0.11	2.0	0.045	1.13	33.1	21.2	0.81	584	1.46	1.17	9.0	54.6	740	14.0	
ZZ107922	13.15	0.09	2.1	0.047	1.19	33.9	22.2	0.86	566	0.85	1.21	9.5	68.8	770	13.9	
ZZ107923	13.30	0.11	2.3	0.045	1.15	32.3	19.8	0.84	595	1.20	1.27	9.5	76.2	840	12.9	
ZZ107924	14.35	0.12	2.5	0.039	1.33	32.6	19.3	0.85	542	3.09	1.49	9.2	62.4	820	12.2	
ZZ107925	15.30	0.11	2.3	0.050	1.41	38.8	23.3	0.88	500	2.17	1.23	10.6	56.7	660	13.7	
ZZ107926	21.5	0.17	3.5	0.084	2.32	57.1	42.4	0.61	1320	7.52	0.76	14.8	64.5	1050	18.2	
ZZ107927	15.95	0.10	2.1	0.045	1.39	32.4	26.5	0.82	377	1.72	1.51	11.8	29.2	240	14.8	
ZZ107928	15.90	0.10	2.3	0.045	1.38	34.6	24.7	0.81	333	1.30	1.59	10.8	24.9	220	15.1	
ZZ107929	16.10	0.11	2.3	0.049	1.59	40.0	28.1	0.68	386	2.43	1.30	11.7	33.2	710	13.5	
ZZ107930	15.35	0.11	2.2	0.050	1.37	35.9	25.2	0.86	414	2.44	1.42	11.1	31.5	500	13.8	
ZZ107931	15.85	0.10	2.2	0.043	1.50	30.6	26.8	0.81	455	4.31	1.56	10.6	25.4	620	14.0	
ZZ107932	27.1	0.17	4.1	0.096	2.87	71.6	62.8	1.41	376	7.87	1.06	19.9	52.3	920	20.2	
ZZ107933	14.15	0.14	2.4	0.046	1.41	34.8	24.6	0.90	497	1.35	1.21	10.0	83.4	880	13.6	
ZZ107934	15.40	0.12	2.6	0.057	1.57	36.8	28.5	0.95	497	2.28	1.01	10.9	95.3	980	18.6	





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**CERTIFICATE OF ANALYSIS WH15131686**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
ZZ107895		145.0	<0.002	0.06	4.02	17.3	2	2.8	197.0	0.82	<0.05	20.2	0.362	1.17	3.3	114
ZZ107896		125.5	<0.002	0.06	5.30	18.3	4	2.4	222	0.90	0.08	15.2	0.431	1.60	3.6	203
ZZ107897		131.5	<0.002	0.05	2.32	18.5	1	2.3	252	0.74	<0.05	16.9	0.390	0.91	2.9	110
ZZ107898		71.5	<0.002	0.02	1.68	15.2	1	1.8	220	0.69	<0.05	13.4	0.372	0.62	2.0	108
ZZ107899		82.3	<0.002	0.01	1.35	13.9	<1	1.8	233	0.75	<0.05	12.4	0.393	0.65	2.0	104
ZZ107900		117.0	<0.002	0.01	2.37	14.3	1	3.0	136.0	0.46	<0.05	22.6	0.232	0.85	2.4	88
ZZ107901		87.0	<0.002	0.02	3.75	17.3	1	2.5	240	0.71	<0.05	14.9	0.382	0.63	2.1	120
ZZ107902		137.0	<0.002	0.01	3.34	18.1	1	2.8	192.5	0.70	<0.05	17.0	0.344	0.91	2.3	107
ZZ107903		143.5	<0.002	0.02	30.7	18.2	2	6.9	183.0	0.72	<0.05	15.5	0.371	1.16	2.9	120
ZZ107904		181.0	<0.002	0.01	5.17	22.9	1	3.0	97.2	0.98	<0.05	20.2	0.455	1.25	2.7	130
ZZ107905		153.0	<0.002	0.01	1.97	21.8	1	2.6	149.0	0.95	<0.05	15.7	0.477	0.99	2.2	140
ZZ107906		122.5	<0.002	0.03	1.45	13.4	1	2.1	565	0.93	<0.05	14.2	0.410	0.76	3.0	83
ZZ107907		195.0	<0.002	0.01	1.24	17.4	1	2.6	162.0	1.09	<0.05	23.3	0.385	1.04	2.7	98
ZZ107908		97.1	<0.002	0.01	1.61	13.8	1	1.7	215	0.77	<0.05	13.0	0.400	0.57	2.1	116
ZZ107909		179.5	<0.002	0.01	1.77	15.7	1	2.5	159.5	0.92	<0.05	21.3	0.386	0.95	2.6	100
ZZ107910		137.0	<0.002	0.01	2.29	14.8	1	2.2	224	0.92	<0.05	17.8	0.420	0.79	2.2	105
ZZ107911		138.5	<0.002	0.03	1.46	13.8	1	2.3	361	0.99	<0.05	17.3	0.420	0.85	2.2	95
ZZ107912		82.7	0.002	0.01	2.35	12.9	2	1.8	209	0.84	0.08	10.5	0.437	0.70	2.7	130
ZZ107913		90.3	<0.002	0.03	2.60	14.0	2	1.9	199.5	0.87	0.08	12.0	0.438	0.79	3.0	150
ZZ107914		110.0	<0.002	0.01	1.57	15.5	2	2.4	211	1.13	0.05	15.8	0.515	0.73	2.9	119
ZZ107915		110.0	<0.002	0.01	3.07	14.9	4	2.3	147.5	1.08	0.10	13.5	0.529	0.91	2.8	188
ZZ107916		66.5	<0.002	<0.01	1.02	10.7	1	1.7	197.5	0.86	<0.05	8.7	0.449	0.49	2.1	115
ZZ107917		74.7	<0.002	0.01	1.17	12.4	1	1.9	195.0	0.98	<0.05	11.5	0.479	0.55	2.2	115
ZZ107918		69.4	<0.002	0.01	1.82	12.9	1	1.5	230	0.78	<0.05	9.6	0.435	0.48	3.0	110
ZZ107919		75.5	<0.002	0.04	2.13	12.9	2	1.6	240	0.76	<0.05	10.0	0.417	0.62	3.1	142
ZZ107920		57.1	<0.002	0.02	1.72	11.2	1	1.3	241	0.73	0.05	8.5	0.405	0.41	3.1	97
ZZ107921		58.8	<0.002	0.01	2.40	12.3	2	1.4	226	0.68	0.05	8.3	0.386	0.51	3.8	118
ZZ107922		63.7	<0.002	0.02	2.48	12.1	2	1.4	236	0.70	<0.05	8.6	0.403	0.48	3.4	110
ZZ107923		59.6	<0.002	0.03	2.05	11.3	1	1.3	245	0.74	0.05	8.3	0.398	0.42	2.7	95
ZZ107924		59.7	<0.002	0.02	1.80	11.2	1	1.3	291	0.69	0.05	8.4	0.398	0.46	3.1	116
ZZ107925		76.3	<0.002	0.01	2.35	12.9	1	1.6	223	0.84	0.05	10.2	0.434	0.58	3.0	133
ZZ107926		124.0	<0.002	0.01	4.12	18.5	2	2.4	237	1.08	0.13	16.0	0.528	1.16	3.7	212
ZZ107927		72.8	<0.002	0.01	1.39	11.2	1	1.7	236	0.88	<0.05	7.8	0.475	0.53	2.0	128
ZZ107928		70.8	<0.002	0.01	1.22	12.9	1	1.6	254	0.81	0.05	9.0	0.451	0.51	2.4	123
ZZ107929		83.7	<0.002	0.01	1.74	12.9	1	1.8	253	0.88	0.05	11.2	0.458	0.64	2.5	133
ZZ107930		74.5	<0.002	0.01	1.84	12.4	1	1.6	235	0.84	0.05	8.7	0.467	0.62	2.5	133
ZZ107931		76.1	<0.002	0.01	1.55	10.5	2	1.6	255	0.80	<0.05	7.5	0.454	0.58	2.1	125
ZZ107932		154.0	<0.002	0.03	2.37	18.5	3	3.3	149.5	1.39	0.12	18.5	0.616	1.29	3.1	172
ZZ107933		73.1	<0.002	0.02	2.88	13.1	3	1.5	238	0.76	0.06	9.8	0.426	0.58	3.1	125
ZZ107934		84.8	<0.002	0.01	4.90	13.6	3	1.6	226	0.84	0.07	10.3	0.449	0.71	2.8	147



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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm
		0.1	0.1	2	0.5	0.001
ZZ107895		2.4	14.4	97	111.5	0.019
ZZ107896		1.8	16.3	145	111.5	0.027
ZZ107897		1.5	14.9	69	94.9	0.044
ZZ107898		1.4	17.1	56	78.4	0.014
ZZ107899		1.4	11.2	53	80.5	0.002
ZZ107900		1.5	12.8	75	95.8	0.013
ZZ107901		1.8	17.6	235	85.4	0.041
ZZ107902		1.4	15.4	77	97.3	0.002
ZZ107903		2.5	13.6	330	100.0	0.028
ZZ107904		1.4	11.2	85	96.9	0.005
ZZ107905		1.3	13.4	76	87.2	<0.001
ZZ107906		1.2	14.8	51	101.0	0.002
ZZ107907		1.7	23.9	60	123.0	0.001
ZZ107908		1.5	16.2	63	79.3	0.002
ZZ107909		1.7	16.8	51	108.5	0.001
ZZ107910		1.8	18.8	47	99.7	0.006
ZZ107911		2.1	16.1	60	115.5	0.003
ZZ107912		1.4	14.0	93	86.9	0.004
ZZ107913		1.6	16.0	122	96.0	0.003
ZZ107914		1.8	16.7	83	115.5	0.010
ZZ107915		1.8	12.1	137	117.0	0.003
ZZ107916		1.4	11.4	55	82.5	0.001
ZZ107917		1.6	11.9	72	99.1	0.001
ZZ107918		1.2	17.6	82	95.1	0.007
ZZ107919		1.2	17.2	98	89.4	0.007
ZZ107920		1.6	16.5	77	79.4	0.003
ZZ107921		1.1	22.9	76	76.0	0.005
ZZ107922		1.2	19.4	80	80.2	0.004
ZZ107923		1.1	17.2	77	87.4	0.021
ZZ107924		1.1	17.3	82	103.0	0.006
ZZ107925		1.3	17.5	89	93.0	0.003
ZZ107926		2.1	20.1	188	131.5	0.005
ZZ107927		1.5	10.7	73	85.5	<0.001
ZZ107928		1.3	16.3	59	83.4	0.002
ZZ107929		1.3	14.8	88	86.7	0.003
ZZ107930		1.3	14.5	83	78.8	0.003
ZZ107931		1.4	11.2	112	79.4	0.002
ZZ107932		2.7	14.7	177	155.5	0.004
ZZ107933		1.3	22.6	94	91.7	0.006
ZZ107934		1.5	21.6	117	99.0	0.006



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Sample Description	WEI-21 Recvd Wt. kg	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm	ME-MS61 Fe %
	Method Analyte Units LOR														
ZZ107935	0.50	0.21	7.37	45.6	2220	1.58	0.16	1.41	0.18	68.8	9.5	84	5.27	27.4	3.73
ZZ107936	0.46	0.16	6.56	21.0	2620	1.40	0.16	1.16	0.12	65.8	8.7	90	3.71	29.7	3.34
ZZ107937	0.53	0.29	6.69	14.6	1860	1.32	0.16	1.11	0.12	66.7	9.5	81	3.03	25.1	3.34
ZZ107938	0.48	0.20	6.64	12.1	1110	1.34	0.17	1.19	0.14	61.4	11.1	85	2.96	18.1	3.36
ZZ107939	0.43	0.29	9.00	67.6	1760	0.88	0.05	0.95	0.13	24.9	52.9	354	3.59	107.0	6.75
ZZ107940	0.40	0.14	8.49	24.2	1310	0.63	0.02	3.52	0.09	19.85	45.0	410	2.80	141.0	7.28
ZZ107941	0.44	0.88	8.87	108.5	6450	2.20	0.21	2.29	0.48	74.2	25.9	188	13.35	91.8	4.78
ZZ107038	0.37	1.56	6.30	14.0	2100	1.68	0.22	0.82	3.06	74.3	14.0	111	6.46	103.5	3.76
ZZ107039	0.43	0.60	6.41	12.5	1200	1.32	0.18	1.08	0.68	53.3	10.1	82	4.27	27.6	3.45
ZZ107040	0.51	0.29	7.27	9.6	1190	1.58	0.19	0.92	0.77	70.5	11.9	79	4.74	99.7	3.71
ZZ107041	0.41	0.45	6.77	10.4	960	1.31	0.19	1.01	0.85	59.6	11.2	74	3.95	18.3	3.33
ZZ107042	0.38	0.18	6.48	8.7	1010	1.38	0.18	1.18	0.15	65.7	8.9	76	3.36	16.2	3.10
ZZ107043	0.54	0.37	7.14	8.6	1020	1.64	0.21	1.09	0.19	82.8	12.8	81	3.76	21.5	3.36
ZZ107044	0.50	0.62	7.39	8.2	1090	1.95	0.24	1.22	1.31	81.3	12.6	92	7.82	33.0	3.40
ZZ107045	0.41	1.62	5.34	30.0	2070	1.39	0.17	3.28	1.82	53.2	9.1	138	6.42	59.0	2.34
ZZ107046	0.53	0.59	7.26	17.2	8740	1.83	0.21	1.16	0.65	59.5	7.1	105	10.35	38.1	3.04
ZZ107047	0.59	0.24	6.34	15.3	5590	1.48	0.18	0.92	0.29	64.1	8.0	105	6.05	29.9	3.10
ZZ107048	0.46	0.17	5.70	15.4	1690	1.23	0.15	1.17	0.48	56.9	10.2	107	3.30	21.2	2.82
ZZ107049	0.46	0.54	7.51	21.5	6930	1.90	0.21	0.89	0.19	56.1	8.8	93	6.74	40.7	3.22
ZZ107050	0.46	0.27	7.68	25.4	5400	2.11	0.18	0.76	0.22	91.9	15.1	124	7.19	44.1	4.18
ZZ107051	0.50	0.13	7.58	22.8	2990	2.00	0.19	0.77	0.14	84.7	10.7	104	6.18	25.5	3.46
ZZ107052	0.44	0.19	6.54	17.2	1520	1.35	0.17	1.20	0.09	53.9	12.6	113	2.99	28.9	3.68
ZZ107053	0.47	0.22	7.14	12.3	510	0.52	0.07	3.32	0.12	26.0	39.6	270	3.05	109.5	7.21
ZZ107054	0.52	0.48	7.40	32.8	860	0.73	0.08	2.57	0.07	25.2	38.8	308	5.21	120.5	6.76
ZZ107055	0.38	0.17	7.77	10.6	1080	0.79	0.08	3.08	0.09	28.5	35.3	300	4.34	114.0	6.30
ZZ107056	0.44	0.21	9.51	65.5	2830	2.44	0.19	2.95	0.14	97.2	30.5	253	11.75	66.2	5.68
ZZ107057	0.34	0.21	8.26	24.5	1970	1.27	0.09	3.07	0.13	46.3	38.5	324	7.35	113.0	6.22
ZZ107058	0.32	0.22	8.04	83.7	1140	0.85	0.09	1.66	0.18	31.8	34.7	312	4.74	71.7	5.92
ZZ107059	0.49	0.13	7.88	11.4	830	0.69	0.09	2.05	0.07	34.1	37.0	312	4.62	128.0	6.35
ZZ107060	0.39	0.21	9.29	56.6	2480	1.21	0.10	0.79	0.08	43.7	42.2	348	6.20	84.7	7.02
ZZ107061	0.46	0.58	8.05	27.5	1670	1.22	0.18	1.55	0.16	53.5	16.9	110	4.17	34.6	3.70
ZZ107062	0.36	0.43	7.36	133.5	1760	1.17	0.16	1.99	0.25	51.2	41.5	294	4.89	80.6	5.33
ZZ107063	0.48	0.32	7.79	27.1	1850	1.16	0.16	1.94	0.34	48.6	28.1	227	3.84	67.1	5.24
ZZ107064	0.49	0.16	6.71	17.3	1550	1.27	0.19	1.40	0.07	64.2	13.3	110	3.11	36.3	3.96
ZZ107065	0.40	0.27	7.09	17.2	2200	1.49	0.18	1.08	0.17	74.3	14.5	109	4.44	35.9	3.93
ZZ107066	0.42	0.15	6.58	19.4	2950	1.40	0.18	1.12	0.09	58.4	10.3	104	3.94	42.2	3.55
ZZ107067	0.43	0.27	7.36	28.7	6640	1.71	0.21	0.77	0.45	71.1	9.4	101	6.77	34.5	3.41
ZZ107068	0.40	0.44	6.34	11.4	2190	1.18	0.17	1.41	0.30	50.1	7.6	77	3.11	18.1	2.65
ZZ107069	0.52	0.28	6.24	39.1	5370	1.53	0.21	0.72	0.24	71.4	8.7	100	8.90	46.2	3.26
ZZ107070	0.47	0.59	6.65	18.6	7830	1.77	0.22	1.25	1.04	66.1	11.5	96	10.10	62.2	3.55



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	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units LOR	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
ZZ107935		17.00	0.11	2.3	0.055	1.78	35.7	27.3	0.87	393	1.20	1.31	11.0	31.6	620	13.9
ZZ107936		15.15	0.10	2.3	0.049	1.38	33.5	23.5	0.80	381	1.38	1.32	10.7	31.1	300	14.3
ZZ107937		15.55	0.11	2.2	0.042	1.24	32.9	22.4	0.77	377	1.44	1.41	10.5	29.1	200	13.7
ZZ107938		14.75	0.12	2.0	0.043	1.27	31.6	24.0	0.83	625	1.30	1.46	11.5	29.9	250	15.7
ZZ107939		17.00	0.10	0.8	0.063	1.02	10.2	76.6	2.21	1630	0.79	2.01	3.0	210	500	6.6
ZZ107940		16.30	0.07	0.5	0.061	0.86	8.2	82.6	3.54	1420	0.36	1.82	3.0	183.5	700	2.8
ZZ107941		22.9	0.14	3.3	0.089	3.19	33.9	44.6	1.06	2020	2.47	0.77	11.2	95.1	1360	18.8
ZZ107038		15.75	0.15	2.7	0.056	2.04	36.9	23.7	0.71	762	13.30	0.62	10.9	66.0	1070	18.0
ZZ107039		15.10	0.20	2.2	0.051	1.43	28.2	26.0	0.78	498	4.42	1.31	10.7	27.2	760	15.3
ZZ107040		16.95	0.22	2.4	0.055	1.61	36.6	31.4	0.82	343	4.09	1.32	12.0	37.2	430	15.4
ZZ107041		16.60	0.20	2.2	0.051	1.34	31.8	30.2	0.67	574	4.35	1.32	11.1	26.7	440	15.5
ZZ107042		14.85	0.19	2.0	0.047	1.33	34.1	26.3	0.81	392	1.36	1.46	12.0	22.3	520	16.2
ZZ107043		16.30	0.20	2.4	0.053	1.31	41.1	29.9	0.76	471	1.61	1.29	12.2	27.3	350	16.4
ZZ107044		18.55	0.20	2.7	0.064	1.61	43.0	40.5	0.66	548	4.43	0.92	12.2	39.8	680	19.4
ZZ107045		12.70	0.24	2.6	0.042	1.87	34.0	37.6	0.72	777	3.92	0.46	6.9	75.7	6310	20.1
ZZ107046		20.6	0.19	2.8	0.071	2.18	33.2	36.2	0.67	589	2.54	0.79	10.9	43.6	690	15.7
ZZ107047		16.55	0.19	2.6	0.057	1.68	34.1	30.5	0.71	445	2.38	0.93	10.3	40.1	450	14.6
ZZ107048		13.50	0.19	2.0	0.042	1.27	30.4	23.8	0.75	471	1.49	1.15	8.9	46.1	480	13.6
ZZ107049		20.7	0.20	2.8	0.059	2.04	31.6	37.8	0.69	1140	2.40	1.25	11.5	40.1	420	15.8
ZZ107050		21.0	0.21	3.0	0.070	2.27	51.3	34.2	0.59	919	1.39	0.67	14.7	49.4	1050	17.8
ZZ107051		20.6	0.20	2.7	0.063	2.07	46.0	40.4	0.66	444	1.53	0.97	15.8	36.0	490	19.9
ZZ107052		15.50	0.18	1.8	0.048	1.22	29.7	30.4	0.86	617	1.34	1.38	10.6	38.5	220	14.0
ZZ107053		16.30	0.20	0.9	0.065	0.54	16.2	51.4	2.47	1300	0.41	1.96	6.1	121.5	590	4.7
ZZ107054		16.85	0.17	0.7	0.072	0.94	14.4	40.7	2.52	1180	0.51	1.90	5.8	121.0	480	17.2
ZZ107055		16.65	0.17	0.8	0.066	0.91	14.1	45.1	2.66	1640	0.60	2.11	5.8	107.5	570	6.5
ZZ107056		28.9	0.25	3.5	0.090	3.32	46.5	68.1	1.72	852	1.58	0.56	17.3	105.0	1070	18.1
ZZ107057		21.2	0.21	1.3	0.072	1.95	21.9	61.0	2.43	831	0.66	1.40	8.4	113.0	900	8.1
ZZ107058		17.05	0.18	1.3	0.063	1.24	16.5	47.0	2.34	1480	1.10	2.15	5.2	121.5	520	12.3
ZZ107059		16.45	0.20	0.9	0.067	0.78	17.8	49.5	3.00	1300	0.64	2.41	6.5	119.0	630	7.2
ZZ107060		22.3	0.18	1.6	0.081	2.05	22.5	54.0	1.79	1860	1.32	0.86	8.1	122.0	290	8.7
ZZ107061		20.1	0.19	2.9	0.052	1.95	27.4	34.1	0.87	1620	1.88	1.67	9.7	42.5	750	16.6
ZZ107062		16.05	0.19	1.7	0.065	1.63	29.7	39.6	1.75	3180	1.33	1.00	8.0	180.5	400	17.4
ZZ107063		18.10	0.18	1.7	0.064	1.37	25.8	41.7	1.60	2120	0.99	1.12	9.0	102.0	320	13.3
ZZ107064		15.50	0.18	2.1	0.052	1.36	33.9	26.8	0.93	628	1.40	1.50	10.2	38.1	350	15.7
ZZ107065		16.95	0.22	2.4	0.057	1.33	40.5	27.4	0.80	919	1.81	1.14	12.1	41.2	340	18.7
ZZ107066		15.50	0.20	2.4	0.054	1.46	32.1	26.7	0.83	591	1.62	1.25	10.3	43.6	350	14.0
ZZ107067		19.65	0.21	2.6	0.060	2.04	39.1	30.2	0.67	898	2.18	0.94	12.5	41.4	650	27.1
ZZ107068		15.35	0.21	2.2	0.040	1.34	26.5	23.9	0.75	489	1.31	1.54	10.9	24.6	320	13.7
ZZ107069		18.05	0.24	3.1	0.066	1.82	38.0	26.9	0.58	1060	2.80	0.85	11.5	61.2	670	27.6
ZZ107070		18.35	0.22	2.8	0.069	1.90	36.4	32.9	0.60	2930	4.94	0.69	10.8	74.7	840	18.0



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**CERTIFICATE OF ANALYSIS WH15131686**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
ZZ107935		92.1	<0.002	0.01	2.23	14.5	1	1.8	227	0.80	<0.05	11.1	0.488	0.67	2.6	155
ZZ107936		74.3	<0.002	<0.01	1.88	12.9	1	1.7	225	0.80	0.05	9.1	0.446	0.58	2.6	136
ZZ107937		61.0	<0.002	0.01	1.46	11.3	1	1.7	228	0.79	<0.05	8.3	0.451	0.51	2.2	133
ZZ107938		64.1	<0.002	0.01	1.22	10.4	1	1.7	214	0.85	<0.05	8.2	0.471	0.50	2.0	126
ZZ107939		40.2	<0.002	0.02	1.04	33.3	1	0.7	78.5	0.22	<0.05	2.3	0.264	0.38	1.2	205
ZZ107940		23.9	<0.002	0.02	0.74	33.2	1	0.6	103.5	0.23	<0.05	1.6	0.420	0.24	0.4	227
ZZ107941		141.5	<0.002	0.09	4.97	22.2	2	2.7	317	0.83	0.07	11.7	0.496	1.20	2.3	193
ZZ107038		102.5	<0.002	0.17	4.31	13.5	5	1.8	169.0	0.80	0.16	9.8	0.433	0.90	3.5	204
ZZ107039		71.6	<0.002	0.02	1.97	10.4	2	1.7	223	0.77	0.07	7.5	0.400	0.61	2.1	139
ZZ107040		79.4	<0.002	0.01	1.77	12.1	2	2.0	199.5	0.90	0.06	9.3	0.436	0.71	2.2	139
ZZ107041		64.2	<0.002	0.01	1.50	10.9	1	1.8	222	0.81	0.05	8.2	0.417	0.64	1.9	129
ZZ107042		59.9	<0.002	0.01	1.10	10.8	1	1.8	231	0.88	<0.05	9.3	0.435	0.56	1.9	112
ZZ107043		64.8	<0.002	0.01	1.12	12.7	1	1.9	233	0.96	0.07	11.3	0.460	0.58	2.0	112
ZZ107044		91.0	<0.002	0.03	1.82	14.3	2	2.2	221	0.88	0.06	11.3	0.426	0.77	2.8	120
ZZ107045		80.8	<0.002	0.02	23.4	11.5	4	1.3	312	0.54	0.09	8.5	0.302	1.05	5.7	130
ZZ107046		127.0	<0.002	0.02	3.53	13.8	2	2.7	221	0.85	<0.05	10.2	0.369	1.20	2.6	181
ZZ107047		87.6	<0.002	0.01	2.94	13.7	2	2.0	192.5	0.76	0.05	10.1	0.390	0.85	2.2	149
ZZ107048		63.0	<0.002	0.01	2.31	10.9	2	1.5	210	0.67	<0.05	8.2	0.361	0.55	2.0	108
ZZ107049		99.2	<0.002	0.01	2.08	14.0	2	2.4	243	0.86	0.08	9.7	0.391	0.90	2.5	154
ZZ107050		108.5	<0.002	0.01	2.28	16.7	2	2.2	209	1.04	0.05	12.5	0.471	0.82	2.3	160
ZZ107051		103.5	<0.002	0.01	1.87	14.9	1	2.3	193.5	1.10	<0.05	12.3	0.462	0.81	2.5	164
ZZ107052		52.4	<0.002	0.01	1.40	14.6	1	1.7	200	0.81	0.05	8.2	0.428	0.52	2.7	144
ZZ107053		26.5	<0.002	0.02	1.86	36.3	2	1.0	119.5	0.41	<0.05	2.6	0.625	0.20	0.6	212
ZZ107054		42.3	<0.002	0.01	2.89	34.5	1	1.2	101.5	0.42	<0.05	3.0	0.655	0.47	0.6	231
ZZ107055		43.9	<0.002	0.02	2.04	30.3	1	1.2	169.5	0.41	<0.05	2.7	0.630	0.34	0.6	198
ZZ107056		115.0	<0.002	0.02	3.60	25.5	1	3.1	138.5	1.23	0.06	12.6	0.574	1.09	1.9	215
ZZ107057		67.4	<0.002	0.03	2.31	31.2	2	1.6	137.0	0.57	<0.05	5.0	0.605	0.67	0.8	211
ZZ107058		53.6	<0.002	0.02	2.19	26.0	1	2.4	211	0.39	<0.05	3.6	0.418	0.38	1.1	176
ZZ107059		37.3	<0.002	0.02	2.35	33.0	1	1.1	171.0	0.43	<0.05	3.5	0.596	0.29	0.8	201
ZZ107060		73.2	<0.002	0.01	2.63	32.9	1	1.6	96.0	0.58	0.05	5.9	0.512	0.59	1.1	247
ZZ107061		71.2	<0.002	0.01	1.62	15.1	1	1.6	330	0.72	0.06	7.0	0.444	0.54	1.8	127
ZZ107062		75.4	<0.002	0.01	5.42	23.5	1	1.4	181.0	0.71	<0.05	6.7	0.444	0.62	1.6	175
ZZ107063		52.0	<0.002	0.01	2.06	22.4	1	1.6	195.5	0.67	0.08	6.8	0.463	0.53	1.7	170
ZZ107064		61.2	<0.002	0.01	1.69	16.1	1	1.7	224	0.78	<0.05	9.8	0.414	0.53	2.7	141
ZZ107065		68.9	<0.002	0.01	1.98	15.1	2	1.8	199.5	0.91	<0.05	10.4	0.463	0.63	5.3	136
ZZ107066		68.8	<0.002	0.01	1.97	14.6	1	1.7	209	0.79	<0.05	9.5	0.422	0.62	3.7	137
ZZ107067		103.0	<0.002	0.01	2.79	14.3	2	2.3	206	0.90	0.05	11.3	0.443	0.95	2.4	158
ZZ107068		54.2	<0.002	0.01	1.41	11.2	1	1.6	270	0.84	<0.05	7.0	0.420	0.65	2.0	113
ZZ107069		105.0	<0.002	0.01	6.23	14.7	2	2.9	229	0.83	0.09	10.8	0.422	0.96	2.7	168
ZZ107070		100.0	<0.002	0.03	4.37	15.3	3	2.2	209	0.78	0.07	11.0	0.364	1.09	3.2	167



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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm
		0.1	0.1	2	0.5	0.001
ZZ107935		1.5	17.8	81	88.8	0.012
ZZ107936		1.5	17.0	70	85.5	0.006
ZZ107937		1.3	14.3	68	83.2	0.002
ZZ107938		1.3	10.8	90	74.5	0.001
ZZ107939		0.7	8.2	96	33.7	0.002
ZZ107940		0.5	14.2	96	21.0	0.003
ZZ107941		3.1	11.7	175	132.5	0.044
ZZ107038		1.8	13.5	250	113.0	0.013
ZZ107039		1.4	11.0	87	73.1	0.003
ZZ107040		1.5	12.3	101	82.2	0.002
ZZ107041		1.3	9.9	80	76.8	0.002
ZZ107042		1.3	11.3	62	71.5	0.002
ZZ107043		1.7	10.8	69	81.2	<0.001
ZZ107044		1.4	13.5	105	99.9	0.003
ZZ107045		1.4	28.8	191	96.2	0.011
ZZ107046		2.1	13.3	130	94.5	0.009
ZZ107047		1.9	11.8	97	88.5	0.008
ZZ107048		1.2	11.8	66	68.4	0.004
ZZ107049		1.7	12.3	101	100.5	0.006
ZZ107050		1.6	17.5	98	108.0	0.008
ZZ107051		1.6	15.1	81	95.0	0.005
ZZ107052		1.3	13.5	72	62.0	0.002
ZZ107053		0.6	32.3	91	33.5	0.022
ZZ107054		1.2	22.6	90	22.3	0.012
ZZ107055		0.7	21.2	81	26.3	0.004
ZZ107056		1.8	11.8	130	122.0	0.010
ZZ107057		0.9	19.2	100	57.3	0.009
ZZ107058		0.7	14.5	103	51.1	0.008
ZZ107059		0.7	23.2	89	32.8	0.005
ZZ107060		1.2	12.5	107	61.9	0.003
ZZ107061		1.2	11.5	90	113.5	<0.001
ZZ107062		1.4	24.8	106	65.8	0.014
ZZ107063		1.2	15.0	149	60.3	<0.001
ZZ107064		1.3	17.7	68	70.8	0.003
ZZ107065		1.4	19.5	97	85.6	0.004
ZZ107066		1.4	17.1	76	83.9	0.005
ZZ107067		1.7	11.3	108	94.6	0.004
ZZ107068		1.3	11.7	71	76.7	0.018
ZZ107069		2.7	12.8	150	113.0	0.006
ZZ107070		2.1	14.7	188	106.5	0.006



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Sample Description	WEI-21 Recvd Wt. kg	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm	ME-MS61 Fe %
	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
ZZ107071	0.48	0.27	8.13	10.4	1190	2.02	0.24	1.04	0.20	76.7	14.0	88	6.21	26.8	3.89
ZZ107072	0.44	0.27	9.67	8.4	1330	3.21	0.31	0.47	0.17	85.4	15.7	96	10.75	35.4	4.07
ZZ107073	0.51	1.03	10.15	12.4	1610	3.50	0.33	0.43	0.63	94.6	17.9	108	11.80	47.5	4.43
ZZ107074	0.31	0.44	5.88	12.4	1110	1.43	0.18	0.80	0.95	58.4	12.5	80	6.91	43.0	3.03
ZZ107075	0.46	0.45	5.44	7.3	1230	1.61	0.23	0.50	0.29	61.7	10.2	86	4.82	62.3	2.63
ZZ107076	0.37	4.18	6.86	29.2	2160	2.30	0.32	0.33	2.48	80.7	17.0	144	9.05	138.5	3.67
ZZ107077	0.47	5.95	8.14	80.9	3280	3.19	1.05	0.22	1.11	131.0	12.5	125	13.55	99.8	5.26
ZZ107078	0.44	0.50	6.32	10.6	1530	1.60	0.23	0.81	0.38	68.1	11.6	91	4.00	48.3	3.07
ZZ107079	0.51	0.72	5.81	10.6	1160	1.07	0.20	1.06	0.64	68.9	9.6	81	4.20	34.8	2.74
ZZ107080	0.45	1.51	8.39	12.0	1470	2.58	0.34	0.79	1.34	97.7	14.6	116	8.38	49.3	4.07
ZZ107081	0.52	0.28	7.66	11.4	1210	2.35	0.29	0.99	0.27	91.5	14.3	95	6.27	31.2	3.91
ZZ107082	0.47	0.48	8.32	5.4	1210	2.17	0.30	0.95	0.30	96.9	13.1	86	7.38	26.3	3.54
ZZ107083	0.47	0.45	7.14	25.9	3660	1.57	0.17	1.61	0.83	63.2	22.0	177	8.75	69.2	4.71
ZZ107084	0.48	0.43	6.22	18.9	3230	1.23	0.19	0.96	0.24	55.0	8.2	81	5.35	19.8	2.85
ZZ107085	0.57	0.42	7.44	30.4	5040	1.86	0.23	0.67	0.43	96.2	11.9	105	7.58	38.8	3.52
ZZ107086	0.44	0.34	7.99	23.4	4070	2.37	0.22	0.73	0.18	91.7	11.8	121	6.93	40.6	3.82
ZZ107087	0.42	0.15	6.97	22.7	2250	1.34	0.18	1.09	0.10	60.6	14.4	156	3.32	49.6	3.74
ZZ107088	0.43	0.42	7.28	20.1	3200	1.25	0.17	0.86	0.20	61.2	12.7	134	4.99	54.2	3.96
ZZ107089	0.41	0.27	6.38	13.6	1280	1.05	0.22	1.19	0.19	53.3	13.9	86	2.80	21.9	3.28
ZZ107090	0.41	0.22	8.49	44.9	1870	1.27	0.14	0.83	0.07	44.0	28.6	321	5.83	79.9	5.78
ZZ107091	0.46	0.26	6.47	10.3	1350	1.29	0.19	1.23	0.19	65.3	12.6	84	2.25	39.2	3.19
ZZ107092	0.50	0.11	7.59	18.8	680	0.46	0.04	0.64	0.05	37.6	40.8	339	2.77	91.1	6.08
ZZ107093	0.45	0.12	7.23	36.0	1780	1.20	0.15	0.95	0.08	59.2	24.2	186	6.00	61.3	4.99
ZZ107094	0.42	0.42	7.38	56.6	1780	0.75	0.05	4.52	0.09	12.55	53.0	570	3.06	103.0	6.59
ZZ107095	0.38	0.26	8.43	86.0	2630	1.53	0.16	0.90	0.13	50.3	36.7	347	6.40	90.9	5.94
ZZ107096	0.65	1.42	6.16	9.9	1210	1.33	0.19	1.21	1.15	64.8	10.9	90	2.77	34.7	2.93
ZZ107097	0.40	0.59	8.35	277	2500	1.29	0.16	1.92	1.29	49.4	40.1	345	14.00	109.5	5.67
ZZ107098	0.43	0.55	5.84	9.7	1020	1.19	0.17	1.27	0.16	61.7	10.7	82	2.12	17.5	2.87
ZZ107099	0.49	1.40	6.34	11.4	1420	1.67	0.23	1.05	0.99	69.5	12.0	106	4.31	46.9	3.11
ZZ107100	0.48	0.83	7.68	30.0	1670	1.82	0.26	1.23	0.87	92.8	13.7	100	7.41	36.2	3.37
ZZ107101	0.48	0.41	7.66	12.2	1200	1.97	0.29	1.01	0.55	88.7	14.1	95	6.03	28.7	3.72
ZZ107102	0.48	0.39	8.28	16.5	1160	3.08	0.46	0.96	0.89	111.0	22.1	104	10.90	53.2	4.29
ZZ107103	0.57	0.42	8.97	231	8300	2.91	0.29	1.71	0.22	137.0	18.4	121	8.90	42.6	3.99
ZZ107104	0.54	0.35	9.81	196.5	3320	2.86	0.24	0.93	0.20	154.0	17.1	148	9.87	42.7	3.75
ZZ107105	0.57	0.34	8.93	305	2160	2.08	0.19	0.71	0.36	90.2	20.3	213	7.95	69.2	4.57
ZZ107106	0.47	0.19	6.92	35.8	1300	1.07	0.14	1.14	0.25	48.6	22.1	206	3.75	50.7	4.30
ZZ107107	0.49	0.22	7.76	59.9	1490	1.17	0.13	1.43	0.18	45.9	29.5	294	3.82	76.2	5.47
ZZ107108	0.48	0.18	6.02	79.0	800	0.97	0.14	1.09	0.12	40.8	44.4	484	2.43	31.0	5.04
ZZ107109	0.42	0.20	7.00	94.7	1230	1.87	0.26	0.80	0.29	73.0	17.3	189	5.35	35.9	4.15
ZZ107110	0.49	0.22	6.86	30.0	1080	1.61	0.21	1.19	0.15	70.6	19.3	172	5.06	27.9	3.44





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**CERTIFICATE OF ANALYSIS WH15131686**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
ZZ107071		19.25	0.21	2.9	0.062	1.78	38.4	45.0	0.77	494	2.10	1.22	13.3	38.0	440	16.1
ZZ107072		27.5	0.22	3.6	0.088	2.25	43.1	70.3	0.66	438	2.64	0.87	18.0	41.1	490	17.8
ZZ107073		29.2	0.24	4.0	0.094	2.54	48.2	66.6	0.52	375	6.47	0.70	19.1	55.5	400	21.7
ZZ107074		14.25	0.19	2.1	0.047	1.32	29.7	28.4	0.66	488	2.92	1.09	10.5	44.9	350	13.8
ZZ107075		14.50	0.16	2.4	0.050	1.50	29.3	24.9	0.76	865	1.42	0.47	11.0	55.8	380	14.9
ZZ107076		21.3	0.25	3.4	0.077	2.95	40.4	37.2	0.73	384	15.80	0.03	12.9	99.8	670	17.6
ZZ107077		25.8	0.35	4.5	0.104	3.50	67.0	39.5	0.70	376	62.8	0.21	16.1	55.4	690	174.0
ZZ107078		16.65	0.14	2.3	0.049	1.58	34.0	29.5	0.71	558	3.06	1.09	11.3	40.3	320	14.6
ZZ107079		14.45	0.15	2.0	0.039	1.26	37.9	24.6	0.69	367	2.99	1.23	10.8	32.5	380	13.8
ZZ107080		21.9	0.21	3.6	0.076	2.19	52.6	39.6	0.48	577	4.49	0.61	14.4	59.6	660	21.8
ZZ107081		20.3	0.22	2.9	0.060	1.60	47.6	44.6	0.86	454	3.28	1.15	14.2	43.0	340	16.5
ZZ107082		22.5	0.19	3.1	0.068	1.72	49.3	45.3	0.81	831	2.65	1.16	15.6	29.3	340	15.7
ZZ107083		18.15	0.18	2.0	0.075	1.43	31.9	35.6	1.25	831	2.27	0.99	9.9	81.0	830	12.4
ZZ107084		16.45	0.12	2.2	0.051	1.60	26.6	25.4	0.63	420	1.88	1.28	9.8	27.6	340	13.3
ZZ107085		20.0	0.20	2.8	0.063	2.19	50.3	31.5	0.64	1380	2.80	0.73	12.5	54.1	790	20.0
ZZ107086		21.5	0.20	3.2	0.071	2.36	49.1	32.9	0.68	617	1.98	0.87	13.2	46.6	700	14.5
ZZ107087		16.15	0.12	1.9	0.049	1.38	32.7	33.0	0.87	578	1.30	1.37	8.7	59.2	400	11.8
ZZ107088		20.2	0.17	2.4	0.063	1.55	28.5	39.8	0.85	609	1.88	1.31	8.5	44.3	510	10.3
ZZ107089		16.55	0.14	2.0	0.042	1.26	25.7	27.7	0.76	769	1.79	1.53	9.9	28.1	410	13.8
ZZ107090		20.0	0.17	1.3	0.073	1.79	24.8	49.6	1.09	813	1.13	1.06	7.4	108.0	230	8.1
ZZ107091		16.25	0.15	2.1	0.044	1.16	34.0	26.4	0.74	794	1.18	1.38	10.4	32.5	250	12.8
ZZ107092		16.45	0.16	0.7	0.067	0.51	18.8	36.2	3.16	1600	0.28	2.60	23.4	152.5	880	3.4
ZZ107093		17.75	0.15	1.7	0.071	1.42	29.2	41.5	1.36	861	1.46	1.50	13.3	72.7	250	10.7
ZZ107094		17.40	0.15	0.6	0.053	1.17	6.1	99.7	3.23	1420	0.81	0.49	3.5	294	710	5.6
ZZ107095		20.0	0.20	2.0	0.079	1.80	24.2	53.0	1.75	1540	2.02	0.92	8.1	158.5	330	14.7
ZZ107096		15.30	0.15	2.3	0.046	1.28	30.4	24.3	0.73	666	7.05	1.22	9.9	39.5	300	13.2
ZZ107097		19.40	0.16	1.6	0.149	2.04	22.9	51.0	1.81	2390	1.53	1.07	9.8	164.0	620	208
ZZ107098		13.60	0.14	2.0	0.046	1.16	27.8	21.3	0.65	540	2.02	1.33	9.8	27.0	240	13.1
ZZ107099		16.65	0.19	2.6	0.043	1.60	33.5	25.9	0.72	688	7.45	1.01	10.3	48.5	410	14.7
ZZ107100		20.0	0.21	3.1	0.052	2.02	47.0	33.0	0.67	882	8.61	1.06	13.0	39.1	890	18.1
ZZ107101		18.95	0.18	3.0	0.066	1.73	42.9	37.6	0.75	520	4.23	1.07	13.3	39.3	580	18.9
ZZ107102		22.7	0.24	4.3	0.082	1.99	55.5	49.9	0.98	606	6.87	1.07	18.5	48.7	610	27.4
ZZ107103		26.2	0.27	3.1	0.079	3.55	67.5	26.2	0.56	811	1.56	0.29	10.6	60.6	780	35.3
ZZ107104		29.5	0.29	3.5	0.093	3.88	78.7	28.2	0.59	757	1.01	0.36	12.6	57.5	840	34.8
ZZ107105		24.5	0.24	2.4	0.101	2.49	49.7	36.3	1.04	1060	1.61	0.79	13.0	101.0	710	55.5
ZZ107106		16.40	0.19	1.8	0.049	1.11	24.5	35.9	1.09	1160	2.25	1.21	7.9	105.5	410	10.1
ZZ107107		18.10	0.18	1.4	0.069	1.20	21.8	43.4	1.24	1100	0.99	1.16	7.2	131.5	600	9.6
ZZ107108		13.75	0.18	1.4	0.047	0.75	19.0	30.9	3.30	761	1.47	1.23	6.7	505	250	9.0
ZZ107109		18.00	0.19	2.6	0.059	1.68	36.6	34.1	1.68	433	5.35	0.88	9.8	245	350	28.6
ZZ107110		16.70	0.17	2.5	0.050	1.36	34.0	32.8	1.21	654	1.56	1.26	9.7	155.5	400	13.2





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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
ZZ107071		94.6	<0.002	0.01	1.35	16.1	2	2.2	220	1.02	0.05	12.6	0.480	0.78	2.5	130
ZZ107072		129.5	<0.002	0.01	1.61	19.3	2	3.4	188.0	1.34	0.10	14.8	0.528	1.08	2.7	140
ZZ107073		151.0	<0.002	0.01	3.20	22.7	3	3.6	157.5	1.40	0.11	15.8	0.551	1.37	3.4	176
ZZ107074		63.4	<0.002	0.01	2.37	12.1	2	1.6	199.0	0.77	0.07	8.4	0.392	0.58	2.2	117
ZZ107075		94.8	0.002	0.01	1.99	13.6	2	1.7	93.7	0.64	0.06	9.0	0.337	0.58	1.9	90
ZZ107076		156.5	0.002	0.03	9.06	18.5	12	2.6	52.2	0.88	0.19	11.7	0.461	1.30	4.0	261
ZZ107077		199.0	0.002	0.73	32.9	21.1	12	7.5	153.5	1.16	0.64	15.3	0.531	3.54	6.6	224
ZZ107078		84.9	0.002	0.01	2.70	12.7	2	1.8	177.0	0.84	0.08	8.6	0.434	0.66	2.2	126
ZZ107079		70.4	0.002	0.01	2.41	11.9	3	1.7	208	0.80	0.08	8.0	0.424	0.65	2.6	128
ZZ107080		148.0	<0.002	0.01	4.03	17.6	5	2.5	134.0	1.05	0.14	15.0	0.474	1.18	3.4	169
ZZ107081		106.5	<0.002	0.01	1.64	17.0	2	2.4	208	1.05	<0.05	12.9	0.476	0.76	2.4	139
ZZ107082		124.0	<0.002	0.01	0.95	15.4	2	2.7	206	1.07	0.08	12.5	0.532	0.89	3.5	126
ZZ107083		84.5	<0.002	0.02	3.92	25.0	3	1.6	206	0.69	<0.05	8.1	0.540	0.79	2.7	175
ZZ107084		95.6	<0.002	0.01	2.47	11.1	1	1.8	226	0.71	0.08	7.3	0.400	0.76	1.9	128
ZZ107085		126.5	<0.002	0.01	2.96	14.7	2	2.3	184.0	0.88	0.05	13.9	0.429	0.99	2.8	163
ZZ107086		134.5	<0.002	0.01	2.22	17.5	1	2.3	197.5	0.92	0.06	12.6	0.472	0.90	2.7	173
ZZ107087		72.0	<0.002	0.01	1.66	17.5	2	1.6	203	0.60	0.05	8.0	0.374	0.55	2.2	135
ZZ107088		95.1	<0.002	0.01	1.70	18.9	1	1.6	211	0.59	0.05	6.6	0.411	0.63	2.0	145
ZZ107089		60.9	<0.002	0.01	1.17	11.4	1	1.6	246	0.73	<0.05	6.8	0.402	0.50	2.0	119
ZZ107090		87.3	0.002	0.01	2.95	33.4	1	1.3	139.0	0.52	0.07	5.6	0.480	0.68	2.1	225
ZZ107091		51.7	<0.002	0.01	1.14	12.3	<1	1.6	221	0.71	0.09	7.7	0.417	0.49	1.9	120
ZZ107092		13.9	<0.002	0.01	1.97	34.4	1	0.8	48.6	1.42	<0.05	3.0	0.564	0.22	0.5	210
ZZ107093		79.7	<0.002	0.01	2.28	25.6	2	1.4	155.0	0.89	0.05	7.5	0.481	0.52	1.4	190
ZZ107094		22.9	<0.002	0.03	3.29	31.7	2	0.9	104.0	0.22	<0.05	1.2	0.460	0.41	0.5	218
ZZ107095		99.2	<0.002	0.01	3.97	29.2	1	1.8	143.0	0.57	0.05	6.7	0.464	0.65	1.3	201
ZZ107096		57.8	0.002	0.01	2.49	11.8	5	1.6	223	0.72	0.08	8.0	0.394	0.62	2.3	169
ZZ107097		134.5	<0.002	0.02	7.74	32.2	2	11.0	200	0.65	0.06	5.7	0.481	0.81	1.3	185
ZZ107098		53.6	<0.002	0.01	1.33	11.0	1	1.4	228	0.69	<0.05	7.8	0.379	0.47	1.8	100
ZZ107099		77.1	<0.002	0.01	3.16	13.6	4	1.7	197.0	0.75	0.10	9.2	0.412	0.75	2.4	165
ZZ107100		118.0	<0.002	0.03	4.40	15.1	2	2.3	255	0.93	0.13	11.0	0.463	1.01	2.8	180
ZZ107101		106.5	<0.002	0.02	2.06	15.5	2	2.3	197.5	1.11	<0.05	12.0	0.458	0.82	2.5	137
ZZ107102		123.5	0.002	0.02	2.69	17.9	3	3.0	212	1.32	0.10	17.1	0.587	1.00	3.0	153
ZZ107103		195.0	<0.002	0.09	7.61	17.3	3	3.2	168.5	0.72	0.05	19.3	0.340	1.31	3.1	120
ZZ107104		200	0.002	0.03	7.98	22.9	1	4.1	117.0	0.88	0.06	23.0	0.421	1.40	2.8	133
ZZ107105		134.5	0.002	0.01	7.15	25.2	2	4.1	137.0	0.88	0.09	11.5	0.474	0.96	2.9	170
ZZ107106		61.6	<0.002	0.01	2.09	19.9	1	1.3	188.0	0.55	<0.05	5.7	0.407	0.52	1.7	139
ZZ107107		63.4	<0.002	0.01	2.77	28.7	2	1.2	159.0	0.50	0.06	5.5	0.453	0.41	1.4	191
ZZ107108		33.8	<0.002	0.01	3.07	17.9	1	1.1	174.0	0.48	<0.05	4.5	0.349	0.41	1.4	122
ZZ107109		100.5	<0.002	0.01	2.92	14.0	2	2.0	171.5	0.70	0.08	9.6	0.359	0.74	2.4	225
ZZ107110		80.4	<0.002	0.01	1.74	14.0	2	1.7	228	0.69	<0.05	9.3	0.368	0.57	1.9	95



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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W	Y	Zn	Zr	Au
		ppm	ppm	ppm	ppm	ppm
		0.1	0.1	2	0.5	0.001
ZZ107071		1.6	12.7	82	96.2	<0.001
ZZ107072		2.1	13.5	104	122.5	0.001
ZZ107073		2.3	16.5	134	137.5	<0.001
ZZ107074		1.3	11.5	138	74.2	0.003
ZZ107075		1.4	14.5	118	85.5	0.007
ZZ107076		1.9	18.2	305	134.0	0.038
ZZ107077		2.6	16.6	132	163.0	0.114
ZZ107078		1.8	11.6	114	80.9	0.006
ZZ107079		1.6	16.4	95	73.3	0.002
ZZ107080		2.0	22.2	164	151.5	0.008
ZZ107081		1.8	17.9	97	104.0	0.007
ZZ107082		1.9	13.2	86	114.0	<0.001
ZZ107083		1.4	22.0	156	71.1	0.004
ZZ107084		1.7	9.9	88	81.0	0.004
ZZ107085		1.7	14.2	127	106.0	0.005
ZZ107086		1.7	14.1	102	119.0	0.004
ZZ107087		1.3	16.6	67	68.7	0.003
ZZ107088		1.6	10.0	102	90.6	<0.001
ZZ107089		1.4	11.3	71	74.3	<0.001
ZZ107090		1.6	19.7	87	44.5	0.004
ZZ107091		1.1	12.9	109	74.3	0.002
ZZ107092		0.7	17.8	92	23.2	0.005
ZZ107093		1.4	19.2	74	58.0	0.001
ZZ107094		0.9	8.1	84	21.9	0.004
ZZ107095		1.3	14.9	93	71.3	0.006
ZZ107096		1.2	14.7	153	78.2	0.004
ZZ107097		1.6	15.9	212	60.7	0.017
ZZ107098		1.2	10.9	65	66.7	0.001
ZZ107099		1.3	14.4	178	94.0	0.005
ZZ107100		1.8	13.0	129	114.0	0.002
ZZ107101		1.8	13.7	92	108.5	0.003
ZZ107102		2.3	18.0	120	153.5	0.003
ZZ107103		2.9	15.2	111	116.5	0.031
ZZ107104		3.2	17.9	147	123.0	0.018
ZZ107105		2.9	21.2	162	81.4	0.015
ZZ107106		1.2	13.6	88	58.3	0.001
ZZ107107		1.3	15.9	90	49.3	0.003
ZZ107108		1.0	9.8	70	48.9	0.001
ZZ107109		1.6	11.7	122	93.1	<0.001
ZZ107110		1.3	12.5	84	83.2	<0.001



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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	WH15131686
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Sample Description	WEI-21 Recvd Wt. kg	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm	ME-MS61 Fe %
	Method Analyte Units LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
ZZ107111	0.36	0.43	7.76	35.8	1230	1.87	0.21	1.29	0.21	67.4	19.6	83	6.44	23.1	3.23
ZZ107112	0.39	0.32	6.69	61.3	1110	1.26	0.15	1.51	0.17	63.3	17.3	174	3.22	19.9	3.49
ZZ107113	0.36	0.31	8.96	35.4	1750	2.23	0.21	1.05	0.13	96.3	12.1	76	7.23	19.1	3.39
ZZ107114	0.37	0.33	8.97	69.3	1670	2.56	0.23	0.86	0.14	100.5	13.8	104	9.16	22.9	3.83
ZZ107115	0.45	0.20	7.04	70.1	1300	1.74	0.19	1.28	0.19	61.9	23.8	231	5.39	25.1	3.82
ZZ107116	0.33	0.20	8.18	43.3	1250	2.08	0.27	1.03	0.17	77.8	16.8	152	7.43	27.5	3.85
ZZ107117	0.40	0.30	7.80	174.0	1440	1.93	0.20	1.23	0.13	76.5	16.7	172	6.49	23.9	3.84
ZZ107118	0.41	0.17	6.51	59.0	1110	1.54	0.15	1.38	0.12	66.9	13.6	125	3.50	23.5	3.41
ZZ107119	0.47	0.23	6.16	153.0	920	1.23	0.14	1.48	0.19	60.7	27.9	170	2.53	23.3	3.90
ZZ107120	0.52	0.37	8.27	87.6	1600	2.04	0.22	1.03	0.21	83.2	16.7	146	7.31	28.7	3.92
ZZ107121	0.41	0.36	7.19	122.5	1300	1.66	0.19	0.98	0.15	67.2	23.1	270	5.45	28.3	3.99
ZZ107122	0.35	0.11	6.56	28.5	1130	1.65	0.16	1.30	0.12	62.8	13.4	118	3.78	17.6	3.18
ZZ107123	0.28	0.19	7.12	42.6	1080	1.55	0.18	1.48	0.15	59.5	17.7	142	4.65	20.2	3.33
ZZ107124	0.39	0.28	7.34	114.0	1210	1.87	0.25	0.99	0.33	63.9	48.9	816	4.69	57.9	5.16
ZZ107125	0.47	0.23	5.60	52.8	920	1.46	0.14	1.68	0.30	53.3	56.8	461	2.10	33.6	3.87
ZZ107126	0.37	0.26	6.71	93.6	1080	1.50	0.16	1.61	0.33	52.8	49.8	1460	4.73	38.3	5.25
ZZ107127	0.44	0.21	8.71	246	1710	2.15	0.14	0.76	0.22	97.7	28.7	424	7.46	54.0	4.70
ZZ107128	0.41	0.20	7.37	261	1630	1.70	0.17	2.00	0.35	71.9	25.9	250	5.95	51.9	4.53
ZZ107129	0.48	0.25	8.19	64.7	2140	2.11	0.19	2.10	0.36	94.1	22.8	167	5.73	52.3	4.45
ZZ107130	0.42	0.28	9.38	87.7	2620	2.73	0.15	1.18	0.18	113.0	21.3	204	9.00	49.4	4.19
ZZ107131	0.55	0.37	8.60	95.0	2440	2.29	0.21	2.03	0.24	126.5	25.2	212	7.37	55.3	4.50
ZZ107132	0.54	0.43	9.12	14.0	1390	2.79	0.33	0.66	0.61	105.0	18.4	100	10.85	44.8	4.37
ZZ107133	0.50	0.68	8.44	10.9	1700	2.37	0.27	1.25	1.06	91.8	14.8	93	9.83	46.8	3.66
ZZ107134	0.37	0.86	5.97	7.3	1200	1.25	0.15	1.28	0.57	55.3	9.9	77	3.50	25.8	2.87
ZZ107135	0.40	0.49	6.00	7.2	1030	1.23	0.15	1.44	0.27	56.3	10.6	72	2.59	14.6	2.85
ZZ107136	0.35	0.47	6.26	8.0	1160	1.31	0.17	1.15	0.66	58.3	11.1	84	3.75	21.3	3.15
ZZ107137	0.40	1.00	6.30	8.1	1140	1.24	0.16	1.31	0.66	58.1	11.1	82	2.99	20.9	3.06
ZZ107138	0.43	1.30	6.13	9.0	1460	1.60	0.19	1.17	0.54	62.4	12.0	88	4.68	58.7	3.13
ZZ107139	0.42	0.83	6.23	7.2	1230	1.36	0.17	1.06	0.66	62.4	10.5	79	4.13	33.3	2.85
ZZ107140	0.57	0.43	6.82	16.1	1320	1.70	0.21	1.67	0.51	74.6	12.3	90	6.37	30.0	3.46
ZZ107141	0.51	0.49	8.44	92.1	2830	2.64	0.21	3.06	0.51	122.5	14.8	130	8.16	37.5	3.26
ZZ107142	0.46	0.34	8.37	136.5	3070	2.50	0.25	1.71	0.18	139.0	18.4	171	7.85	30.6	3.48
ZZ107143	0.36	0.26	7.69	32.2	1130	1.95	0.14	2.32	0.16	79.7	10.4	101	5.50	41.0	2.72
ZZ107144	0.31	0.17	7.56	65.7	940	1.51	0.15	1.17	0.09	105.0	10.3	71	3.58	16.8	2.66
ZZ107145	0.39	0.07	7.63	125.5	950	1.62	0.15	0.82	0.07	71.9	12.4	86	4.37	21.2	3.47
ZZ107146	0.31	0.09	5.58	33.5	610	1.01	0.09	2.09	0.47	69.6	51.9	385	2.30	52.4	7.01
ZZ107147	0.36	0.19	8.46	20.9	1010	1.77	0.17	1.18	0.19	82.8	11.2	97	4.22	16.7	3.19
ZZ107148	0.33	0.62	7.75	165.0	1310	1.82	0.19	1.34	1.20	82.6	30.1	275	5.45	32.3	3.90
ZZ107149	0.33	0.18	6.91	267	1110	1.84	0.20	0.73	0.35	70.0	68.8	915	7.89	37.0	5.91
ZZ107150	0.44	0.12	7.32	19.1	950	1.55	0.16	1.41	0.12	80.8	16.2	102	2.65	21.4	3.63



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**CERTIFICATE OF ANALYSIS WH15131686**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
ZZ107111		19.70	0.17	2.7	0.071	1.72	33.7	34.3	0.86	739	2.74	1.50	10.0	93.8	480	18.0
ZZ107112		15.85	0.19	2.2	0.059	1.19	31.0	33.5	1.49	1070	2.78	1.45	10.7	86.7	420	14.8
ZZ107113		23.9	0.22	3.2	0.084	2.30	47.8	41.6	0.67	504	2.11	1.38	10.8	46.7	700	15.4
ZZ107114		23.6	0.23	3.1	0.088	2.40	50.0	49.4	0.77	365	1.88	1.17	11.7	65.0	560	16.5
ZZ107115		16.85	0.19	2.2	0.075	1.67	31.3	28.9	1.85	705	1.20	1.18	9.2	183.5	390	13.2
ZZ107116		21.0	0.20	2.9	0.077	2.08	38.3	42.1	1.33	571	1.79	1.12	9.6	120.5	430	23.8
ZZ107117		19.20	0.19	2.5	0.074	1.79	38.6	40.0	1.09	522	1.58	1.12	10.3	116.0	390	18.3
ZZ107118		14.95	0.18	2.2	0.060	1.35	35.6	28.0	0.97	530	1.18	1.33	10.1	66.1	350	15.5
ZZ107119		15.45	0.16	1.9	0.057	1.19	29.1	24.8	1.10	1200	1.54	1.34	9.7	118.5	510	14.6
ZZ107120		20.5	0.22	2.7	0.072	2.10	42.5	35.4	1.15	996	4.04	0.98	10.8	105.0	520	18.6
ZZ107121		17.65	0.16	2.3	0.068	1.56	34.4	37.8	2.42	659	2.46	1.08	9.9	238	410	15.7
ZZ107122		15.25	0.18	2.0	0.059	1.38	30.7	26.5	1.07	479	1.22	1.37	10.1	92.1	380	14.3
ZZ107123		17.45	0.18	2.5	0.060	1.58	29.8	27.0	1.16	665	1.43	1.58	9.7	160.0	330	14.1
ZZ107124		19.85	0.18	2.5	0.079	1.57	29.7	38.8	3.98	1240	1.79	0.89	11.6	813	400	20.5
ZZ107125		11.75	0.17	1.6	0.048	0.81	31.7	20.4	2.73	1080	1.06	1.20	7.8	594	280	11.3
ZZ107126		15.50	0.17	1.8	0.057	1.16	28.4	25.9	0.92	762	1.21	1.33	9.1	929	440	12.6
ZZ107127		23.3	0.21	2.1	0.093	2.54	52.6	38.7	1.01	721	1.20	0.82	11.0	245	410	36.3
ZZ107128		18.25	0.20	1.8	0.070	1.73	37.2	34.0	1.00	1030	1.40	0.91	10.8	167.5	560	24.7
ZZ107129		21.7	0.20	2.6	0.074	2.19	48.4	32.5	0.82	667	1.30	0.81	14.8	100.0	800	29.4
ZZ107130		27.1	0.25	2.8	0.090	3.22	57.0	31.9	0.85	691	0.98	0.59	16.0	99.2	910	20.0
ZZ107131		23.4	0.26	2.6	0.075	2.64	64.0	31.6	0.98	827	1.37	0.75	13.3	122.5	760	31.8
ZZ107132		23.8	0.24	3.6	0.089	2.31	52.5	50.6	0.85	568	5.98	0.94	18.7	49.3	550	25.3
ZZ107133		22.0	0.25	3.1	0.075	2.26	47.8	31.5	0.77	763	5.13	0.86	15.9	48.9	630	16.2
ZZ107134		13.65	0.14	2.0	0.046	1.44	27.0	22.4	0.68	586	3.33	1.18	9.4	31.3	370	12.6
ZZ107135		14.00	0.16	1.8	0.047	1.30	27.0	20.7	0.68	695	1.92	1.38	10.5	22.5	240	12.6
ZZ107136		15.15	0.16	1.8	0.046	1.38	28.8	22.6	0.74	756	4.54	1.23	11.0	31.0	290	13.5
ZZ107137		14.95	0.16	2.0	0.045	1.26	28.1	22.5	0.74	608	6.54	1.28	10.7	32.6	240	13.5
ZZ107138		15.65	0.17	2.3	0.055	1.72	32.6	25.5	0.85	580	3.80	0.92	10.3	52.1	350	13.4
ZZ107139		16.25	0.19	2.3	0.052	1.62	30.8	26.4	0.72	550	4.77	1.06	11.4	39.1	380	13.4
ZZ107140		16.25	0.19	2.3	0.060	1.47	39.0	31.9	0.80	622	3.72	0.94	11.9	38.3	420	17.3
ZZ107141		25.0	0.26	3.3	0.073	3.26	58.5	27.3	0.85	494	1.21	0.49	13.6	64.4	1000	24.6
ZZ107142		23.4	0.26	2.9	0.068	3.12	70.0	22.3	0.62	443	0.77	0.52	12.6	100.0	760	35.2
ZZ107143		20.2	0.21	2.5	0.052	2.25	42.9	26.2	0.64	368	0.81	1.05	9.6	68.3	580	11.8
ZZ107144		19.10	0.22	2.5	0.045	1.97	51.3	22.6	0.53	664	0.93	1.16	9.7	23.0	370	12.9
ZZ107145		19.00	0.16	1.9	0.056	1.98	36.2	22.5	0.55	286	2.06	0.97	9.2	35.7	230	13.3
ZZ107146		15.30	0.18	1.6	0.075	0.80	32.7	56.0	0.95	1660	1.43	0.84	7.4	357	1160	8.7
ZZ107147		21.3	0.18	2.1	0.059	2.10	42.3	23.2	0.61	571	1.17	1.10	10.0	41.9	260	20.2
ZZ107148		20.0	0.23	2.0	0.086	2.04	42.8	25.8	2.46	961	1.23	1.01	10.3	357	440	41.8
ZZ107149		17.05	0.19	2.3	0.065	1.83	37.0	34.6	5.01	859	3.12	0.57	8.1	1250	450	17.4
ZZ107150		18.85	0.25	2.2	0.054	1.35	39.6	27.5	0.82	1390	2.11	1.43	9.9	50.7	340	14.3



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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
ZZ107111		84.5	<0.002	0.01	1.81	12.7	1	1.7	308	0.70	<0.05	8.9	0.368	0.69	2.1	98
ZZ107112		60.6	<0.002	0.01	3.09	12.2	1	1.3	282	0.74	<0.05	7.6	0.400	0.47	2.2	124
ZZ107113		119.5	<0.002	0.01	1.75	15.2	1	2.2	319	0.78	<0.05	12.2	0.387	0.98	2.4	113
ZZ107114		140.5	<0.002	0.02	2.64	18.0	2	2.4	271	0.84	<0.05	13.8	0.398	1.07	2.5	129
ZZ107115		90.2	<0.002	0.02	3.40	15.3	1	1.5	245	0.65	<0.05	8.7	0.351	0.70	2.0	103
ZZ107116		107.5	<0.002	0.03	1.93	15.5	1	1.9	226	0.67	<0.05	11.3	0.327	0.82	1.9	96
ZZ107117		94.0	<0.002	0.02	6.03	15.8	2	2.1	271	0.75	0.05	11.2	0.381	0.86	2.1	115
ZZ107118		66.2	<0.002	0.02	3.19	14.0	1	1.4	262	0.71	<0.05	9.5	0.387	0.57	1.9	103
ZZ107119		45.7	<0.002	0.02	3.38	12.6	1	1.5	270	0.65	<0.05	6.8	0.379	0.49	1.6	96
ZZ107120		106.0	<0.002	0.02	4.98	15.8	2	2.1	248	0.76	0.06	11.7	0.393	1.04	2.3	138
ZZ107121		73.8	<0.002	0.01	6.76	14.9	2	1.7	211	0.70	<0.05	10.3	0.363	0.69	2.5	123
ZZ107122		69.0	<0.002	0.01	1.46	12.7	1	1.5	224	0.71	<0.05	9.4	0.392	0.56	1.9	112
ZZ107123		74.5	<0.002	0.01	2.38	12.1	1	1.5	292	0.69	<0.05	7.8	0.362	0.59	1.9	102
ZZ107124		35.8	<0.002	0.01	7.09	17.5	1	1.9	200	0.80	0.06	8.3	0.379	0.75	2.5	120
ZZ107125		33.0	<0.002	0.02	4.04	13.0	1	1.0	226	0.54	<0.05	5.6	0.322	0.41	2.5	89
ZZ107126		53.9	<0.002	0.01	5.27	19.2	1	1.4	227	0.63	<0.05	7.6	0.357	0.57	2.7	122
ZZ107127		127.5	<0.002	0.01	3.97	27.1	1	2.9	183.5	0.76	<0.05	13.6	0.431	0.89	2.6	147
ZZ107128		87.7	<0.002	0.02	3.09	21.5	1	1.9	215	0.70	<0.05	9.5	0.435	0.73	2.2	137
ZZ107129		105.0	<0.002	0.03	3.69	22.0	2	2.1	230	0.95	<0.05	12.2	0.527	0.94	2.9	140
ZZ107130		162.0	<0.002	0.05	4.87	23.9	2	2.6	160.0	1.07	<0.05	16.4	0.446	1.25	2.8	148
ZZ107131		130.5	<0.002	0.07	4.30	22.3	2	2.3	202	0.88	0.06	16.5	0.441	1.00	3.0	145
ZZ107132		132.0	<0.002	0.01	2.65	19.2	3	3.1	180.5	1.28	0.08	16.1	0.562	1.15	2.9	180
ZZ107133		118.0	<0.002	0.02	3.15	17.5	4	2.5	194.5	1.11	0.06	13.4	0.490	1.10	2.7	164
ZZ107134		60.7	<0.002	0.02	1.86	11.5	2	1.3	225	0.65	<0.05	7.5	0.384	0.54	1.8	108
ZZ107135		58.0	<0.002	0.01	1.21	11.3	2	1.4	240	0.75	<0.05	7.2	0.392	0.49	1.7	102
ZZ107136		70.1	<0.002	0.01	1.65	13.2	2	1.6	211	0.78	<0.05	7.8	0.417	0.58	1.8	142
ZZ107137		54.9	<0.002	0.01	1.79	12.7	2	1.5	233	0.75	0.06	7.2	0.414	0.61	1.8	146
ZZ107138		84.0	<0.002	0.02	2.63	14.0	3	1.6	186.5	0.74	0.07	8.7	0.388	0.67	2.0	129
ZZ107139		66.8	<0.002	0.01	2.46	12.5	4	1.6	213	0.81	0.06	8.0	0.423	0.69	2.1	129
ZZ107140		75.3	<0.002	0.02	3.00	14.3	2	1.8	213	0.85	0.06	10.6	0.439	0.75	2.2	141
ZZ107141		136.5	<0.002	0.04	4.84	16.0	3	2.5	228	0.95	<0.05	17.4	0.381	1.13	3.0	105
ZZ107142		158.5	<0.002	0.09	3.87	16.6	1	2.6	196.5	0.85	<0.05	19.2	0.353	1.03	3.3	99
ZZ107143		103.0	<0.002	0.05	2.17	14.0	1	1.7	262	0.68	<0.05	12.2	0.341	0.73	3.4	82
ZZ107144		87.9	<0.002	0.02	1.11	11.7	1	1.6	235	0.67	<0.05	13.7	0.355	0.64	1.9	85
ZZ107145		99.8	<0.002	0.01	1.62	12.9	1	1.8	176.5	0.66	<0.05	11.7	0.344	0.69	1.9	112
ZZ107146		39.1	<0.002	0.04	2.04	16.8	1	0.7	243	0.49	<0.05	4.6	0.321	0.30	1.3	116
ZZ107147		108.0	<0.002	0.02	3.40	14.2	1	2.2	196.0	0.69	<0.05	11.4	0.376	0.67	2.1	105
ZZ107148		109.0	<0.002	0.03	7.17	14.7	2	2.9	210	0.68	<0.05	9.7	0.375	0.75	2.1	106
ZZ107149		91.2	<0.002	0.01	13.00	17.4	2	1.9	132.5	0.54	0.07	9.8	0.305	0.82	2.2	132
ZZ107150		54.8	<0.002	0.01	1.25	13.2	1	1.5	249	0.64	<0.05	9.4	0.394	0.44	1.6	103



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Sample Description	Method Analyte Units LOR	ME-MS61 W ppm	ME-MS61 Y ppm	ME-MS61 Zn ppm	ME-MS61 Zr ppm	Au-ICP21 Au ppm
ZZ107111		1.1	11.8	96	96.0	<0.001
ZZ107112		1.8	10.7	91	77.7	<0.001
ZZ107113		1.5	10.5	75	117.0	<0.001
ZZ107114		1.5	11.7	78	106.0	0.002
ZZ107115		1.1	12.7	71	77.3	0.003
ZZ107116		1.2	11.1	78	101.5	0.004
ZZ107117		1.5	14.0	70	85.0	0.004
ZZ107118		1.2	18.2	64	74.6	0.009
ZZ107119		1.2	12.1	89	70.2	<0.001
ZZ107120		1.9	14.8	80	96.0	0.002
ZZ107121		1.4	13.7	100	82.9	0.005
ZZ107122		1.1	11.2	82	70.0	<0.001
ZZ107123		1.1	11.2	82	88.2	<0.001
ZZ107124		1.3	14.6	115	92.5	<0.001
ZZ107125		1.0	20.4	76	63.2	0.001
ZZ107126		1.3	17.4	109	64.2	0.004
ZZ107127		2.5	15.6	106	72.4	0.016
ZZ107128		1.8	19.4	144	65.9	0.010
ZZ107129		1.6	18.9	147	89.9	0.006
ZZ107130		2.9	16.7	105	101.0	0.019
ZZ107131		2.4	18.5	101	93.3	0.030
ZZ107132		2.1	18.0	123	125.5	0.002
ZZ107133		1.7	18.7	141	109.5	<0.001
ZZ107134		1.1	10.8	117	69.6	0.002
ZZ107135		1.1	10.5	70	66.9	0.001
ZZ107136		1.2	12.4	139	65.3	0.001
ZZ107137		1.1	11.8	124	70.7	0.003
ZZ107138		1.2	17.5	115	80.0	0.011
ZZ107139		1.2	11.7	142	84.9	0.002
ZZ107140		1.5	18.6	96	83.3	0.005
ZZ107141		2.2	14.3	98	112.0	0.010
ZZ107142		2.3	14.4	82	103.5	0.023
ZZ107143		1.2	14.2	63	94.0	0.004
ZZ107144		1.3	10.3	55	88.6	0.001
ZZ107145		2.1	9.2	63	68.1	0.001
ZZ107146		0.6	17.9	169	63.1	<0.001
ZZ107147		1.2	9.8	120	80.8	0.001
ZZ107148		1.4	13.8	213	82.3	0.015
ZZ107149		1.8	12.5	117	91.5	0.012
ZZ107150		0.8	13.2	81	88.1	<0.001



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Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOR		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
ZZ107151		0.30	0.17	7.63	13.9	1050	1.77	0.23	1.39	0.09	81.2	14.7	86	3.96	27.5	3.83
ZZ107152		0.33	0.09	7.12	9.7	940	1.40	0.16	1.43	0.09	66.0	11.6	78	2.53	12.9	3.33
ZZ107153		0.41	0.09	8.65	47.4	950	2.43	0.22	0.80	0.07	108.0	14.0	97	4.92	25.8	4.04
ZZ107154		0.45	0.09	8.71	51.7	1030	1.86	0.24	0.80	0.08	109.5	12.5	92	5.04	17.3	3.62
ZZ107155		0.34	0.12	8.71	43.3	890	2.11	0.18	1.39	0.09	111.5	13.9	98	5.03	30.5	3.80
ZZ107156		0.35	0.22	8.49	74.9	750	2.77	0.22	3.76	0.08	116.0	16.8	96	5.58	34.4	3.95
ZZ107157		0.55	0.06	11.15	204	1060	4.22	0.26	1.36	<0.02	216	26.4	80	10.65	35.3	3.18
ZZ107158		0.39	0.22	9.35	47.6	760	2.82	0.34	0.66	0.03	152.5	16.0	91	6.26	35.5	4.18
ZZ107159		0.42	0.06	9.08	15.2	660	2.48	0.24	0.61	0.04	131.0	13.5	85	4.77	24.9	3.64
ZZ107160		0.32	0.11	7.27	22.0	900	1.68	0.22	1.25	0.06	81.9	11.3	82	3.29	18.1	3.74
ZZ107161		0.46	0.06	7.64	18.7	870	2.08	0.27	1.01	0.06	103.5	15.6	86	3.62	28.0	4.17
ZZ107162		0.47	0.10	7.40	9.8	870	1.70	0.17	1.19	0.08	84.2	15.7	136	3.39	21.8	3.98
ZZ107163		0.36	0.13	8.76	73.0	1000	2.50	0.18	1.59	0.16	128.5	16.8	208	6.30	30.8	3.68
ZZ107164		0.34	1.20	8.57	113.5	1290	1.90	0.19	1.45	0.79	82.5	17.8	146	5.06	52.4	3.57
ZZ107165		0.39	0.17	8.51	57.9	930	2.10	0.16	1.00	0.12	101.0	10.8	86	4.80	14.8	3.19
ZZ107166		0.49	0.13	7.35	59.3	900	1.64	0.17	1.17	0.11	87.6	16.5	104	3.50	22.4	3.72
ZZ107167		0.40	0.11	6.44	30.7	990	1.44	0.18	1.43	0.11	68.2	11.9	83	2.44	20.8	3.46
ZZ107168		0.35	0.12	7.01	232	1130	1.57	0.19	1.27	0.11	72.1	13.4	87	3.44	22.9	3.88
ZZ107169		0.31	0.15	7.50	379	1000	1.79	0.18	1.28	0.12	105.5	16.4	127	4.96	27.9	3.83
ZZ107170		0.29	0.13	8.32	41.7	930	1.74	0.22	1.54	0.10	90.7	14.2	69	4.27	24.7	3.96
ZZ107171		0.37	0.12	9.72	36.4	1760	2.83	0.21	1.29	0.18	113.5	18.3	107	6.93	38.8	3.83
ZZ107172		0.36	0.30	10.30	115.5	4200	3.53	0.21	1.81	0.30	99.9	13.8	123	10.70	31.8	3.16
ZZ107173		0.59	0.36	8.51	103.0	2820	2.86	0.26	2.50	0.32	128.5	17.3	177	6.79	42.5	3.48
ZZ107174		0.44	1.32	7.04	21.9	2560	2.11	0.27	0.41	2.25	71.2	12.4	146	8.01	85.4	3.35
ZZ107175		0.49	1.30	9.65	13.1	2050	3.49	0.34	0.20	0.98	106.0	15.9	116	11.15	81.3	3.75
ZZ107176		0.39	1.35	7.66	12.2	1610	2.15	0.26	1.15	1.09	79.4	11.9	100	8.41	66.3	3.26
ZZ107177		0.41	0.51	6.70	89.3	2180	1.90	0.21	1.86	0.54	92.8	11.0	102	5.83	41.5	3.28
ZZ107178		0.36	0.34	7.85	23.5	1430	2.13	0.20	2.23	0.68	81.9	13.3	88	5.50	40.6	3.31
ZZ107179		0.32	0.24	8.16	16.5	1110	2.22	0.17	1.90	0.76	94.6	16.1	101	5.33	42.8	3.69
ZZ107180		0.25	0.11	9.94	36.2	1370	3.45	0.21	1.00	0.18	121.0	18.7	130	7.15	33.9	3.94
ZZ107181		0.39	0.15	8.06	86.6	920	2.26	0.28	1.30	0.09	99.8	17.6	100	4.83	37.5	3.81
ZZ107182		0.36	0.09	8.26	39.6	910	2.20	0.15	0.86	0.09	107.5	14.0	88	4.61	26.3	3.51
ZZ107183		0.32	0.13	8.13	25.1	960	1.73	0.16	1.04	0.10	109.0	10.7	70	4.48	17.2	2.71
ZZ107184		0.41	0.13	7.77	132.5	1040	1.98	0.17	1.11	0.13	119.0	13.1	84	4.57	20.3	3.14
ZZ107185		0.45	0.09	8.58	15.0	1100	2.07	0.15	1.15	0.09	107.5	13.1	87	3.67	18.5	3.27
ZZ107186		0.38	0.18	8.47	68.0	930	2.06	0.22	1.30	0.16	111.5	11.6	87	5.44	24.5	3.39
ZZ107187		0.38	0.10	7.81	16.9	950	1.99	0.18	1.17	0.07	98.9	12.9	85	3.52	21.7	3.55
ZZ107188		0.43	0.18	9.21	13.1	1090	2.62	0.20	1.01	0.15	121.0	11.8	103	6.16	22.9	3.13
ZZ107189		0.55	0.07	8.20	16.2	1220	2.30	0.15	0.85	0.06	110.5	20.9	152	4.16	22.7	4.52
ZZ107190		0.31	0.16	7.71	16.8	940	2.11	0.25	2.50	0.07	107.5	16.3	83	5.05	31.5	3.82





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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units LOR	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
ZZ107151		18.45	0.22	2.0	0.056	1.86	39.6	26.2	0.81	1240	1.97	1.40	10.9	37.2	250	14.6
ZZ107152		17.20	0.23	1.8	0.045	1.51	32.0	24.2	0.76	842	1.37	1.51	9.7	27.8	250	11.3
ZZ107153		23.0	0.25	2.4	0.067	2.71	55.5	29.1	0.88	527	1.15	1.18	10.7	51.5	240	13.8
ZZ107154		23.1	0.31	2.0	0.056	2.47	53.6	32.7	0.74	653	1.28	1.17	9.8	39.9	250	17.1
ZZ107155		22.6	0.30	2.1	0.062	2.87	58.5	27.5	0.84	586	0.74	0.95	11.7	44.8	530	13.5
ZZ107156		25.1	0.30	2.8	0.074	3.32	56.9	25.0	0.67	538	0.85	0.58	15.6	48.5	770	27.4
ZZ107157		32.9	0.37	4.0	0.071	4.85	107.5	19.4	0.42	818	0.48	0.30	32.1	69.5	840	12.2
ZZ107158		25.5	0.30	2.7	0.074	3.44	78.4	20.4	0.51	950	1.68	0.72	13.5	48.0	330	38.6
ZZ107159		24.9	0.30	2.6	0.064	3.14	59.7	22.0	0.50	395	1.16	0.70	9.4	34.0	220	18.1
ZZ107160		17.55	0.25	2.0	0.053	2.01	40.5	22.3	0.66	699	1.12	1.26	10.6	29.5	230	19.0
ZZ107161		18.95	0.27	2.5	0.060	2.28	56.0	28.4	0.84	607	1.23	1.07	12.9	46.1	190	15.2
ZZ107162		19.05	0.23	2.0	0.062	1.64	40.2	25.2	1.16	934	1.27	1.06	10.9	44.5	330	16.3
ZZ107163		23.9	0.31	2.2	0.076	3.06	66.3	27.2	0.90	439	1.08	0.63	12.3	166.5	710	28.0
ZZ107164		22.2	0.27	2.5	0.068	2.25	47.1	28.1	1.16	858	1.28	1.54	9.6	193.0	500	76.9
ZZ107165		22.9	0.29	2.1	0.060	2.45	49.7	26.5	0.64	583	0.93	1.03	10.8	25.5	300	18.2
ZZ107166		19.10	0.27	2.2	0.055	1.67	42.9	29.1	0.76	742	1.35	1.13	10.3	57.1	320	19.0
ZZ107167		15.15	0.23	1.8	0.048	1.40	33.9	24.2	0.74	595	1.23	1.45	10.5	34.2	230	20.0
ZZ107168		17.45	0.27	1.9	0.059	1.49	36.1	25.6	0.69	609	1.38	1.20	10.9	35.4	370	16.8
ZZ107169		18.60	0.27	2.3	0.062	1.96	52.5	27.6	0.71	760	0.97	1.02	8.6	54.7	390	26.0
ZZ107170		20.9	0.28	2.4	0.060	1.86	45.7	32.4	0.77	686	1.23	1.63	10.8	31.3	270	16.2
ZZ107171		27.7	0.27	2.9	0.072	3.14	55.1	35.9	0.68	471	1.11	1.04	12.9	51.5	470	14.7
ZZ107172		30.0	0.27	2.7	0.077	3.72	51.8	33.9	0.62	313	0.86	0.47	14.6	41.7	810	21.0
ZZ107173		24.4	0.29	3.0	0.067	3.18	63.9	28.6	0.73	354	1.76	0.52	14.3	98.3	850	26.7
ZZ107174		20.1	0.31	2.9	0.058	2.45	38.7	35.7	0.78	302	41.8	0.39	13.4	87.4	680	20.4
ZZ107175		27.9	0.31	4.0	0.087	2.96	52.0	62.3	0.54	479	13.20	0.44	20.0	78.9	710	16.8
ZZ107176		22.1	0.19	3.3	0.062	2.09	41.1	43.2	0.67	475	10.20	0.67	14.6	57.1	500	18.6
ZZ107177		16.50	0.28	2.5	0.066	1.80	48.4	31.0	0.70	530	2.69	0.78	11.7	52.0	1060	37.8
ZZ107178		20.4	0.27	2.6	0.063	2.22	41.9	34.0	0.75	532	1.56	1.20	11.9	44.0	860	15.1
ZZ107179		21.2	0.28	2.2	0.063	2.09	48.2	30.4	0.75	974	1.17	1.09	11.9	43.1	610	16.2
ZZ107180		29.5	0.31	2.9	0.086	3.37	57.9	39.5	0.72	614	1.04	0.98	15.4	53.9	490	15.0
ZZ107181		20.3	0.33	2.3	0.060	2.23	50.9	32.6	0.83	702	1.06	1.10	12.6	42.4	330	20.4
ZZ107182		21.4	0.32	2.3	0.057	2.34	53.2	27.8	0.55	634	1.17	0.91	9.7	35.1	380	13.5
ZZ107183		21.4	0.14	2.4	0.055	1.95	50.8	24.3	0.52	718	1.60	1.18	9.5	23.8	280	18.4
ZZ107184		19.90	0.16	2.2	0.055	2.12	58.2	24.7	0.63	679	1.23	1.15	11.4	35.0	360	22.0
ZZ107185		21.6	0.17	2.2	0.059	2.04	47.8	27.8	0.66	810	1.35	1.19	10.8	30.9	260	15.5
ZZ107186		21.9	0.19	2.4	0.064	2.47	56.3	26.3	0.64	549	1.03	0.94	10.4	31.8	510	21.0
ZZ107187		19.70	0.16	2.4	0.053	2.13	46.1	26.3	0.81	541	1.07	1.23	10.1	42.4	250	16.1
ZZ107188		25.4	0.15	2.3	0.068	3.18	59.4	27.0	0.71	625	1.20	0.86	13.2	42.5	440	16.8
ZZ107189		22.4	0.17	2.2	0.062	2.22	52.5	31.7	1.40	654	1.12	1.02	12.3	102.0	380	11.7
ZZ107190		20.2	0.15	2.4	0.062	2.45	54.5	28.9	0.79	730	1.14	0.95	13.0	46.2	540	13.8



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	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	
ZZ107151	96.5	<0.002	0.01	1.25	14.0	1	1.8	251	0.75	<0.05	11.1	0.405	0.53	1.6	113	
ZZ107152	65.1	<0.002	0.01	0.83	11.8	1	1.7	256	0.65	<0.05	8.1	0.381	0.45	1.5	105	
ZZ107153	134.5	<0.002	0.01	1.97	16.9	2	2.2	167.0	0.72	<0.05	18.1	0.366	0.68	2.1	116	
ZZ107154	115.0	<0.002	0.01	1.91	14.4	1	2.2	175.5	0.68	<0.05	15.1	0.366	0.72	1.6	104	
ZZ107155	137.0	<0.002	0.02	1.06	16.7	1	2.1	185.5	0.77	<0.05	15.7	0.409	0.73	1.9	111	
ZZ107156	139.5	<0.002	0.03	1.61	16.0	2	2.6	264	1.04	<0.05	17.5	0.437	0.87	2.5	111	
ZZ107157	234	<0.002	0.02	5.23	18.4	1	3.5	212	1.93	<0.05	28.4	0.496	1.22	3.1	110	
ZZ107158	172.5	<0.002	0.03	3.93	15.4	2	2.4	184.0	0.87	<0.05	21.0	0.376	0.93	2.6	124	
ZZ107159	156.0	<0.002	0.01	1.04	15.2	1	2.4	126.0	0.65	<0.05	21.3	0.311	0.78	2.1	102	
ZZ107160	90.2	<0.002	0.01	1.41	12.6	1	1.7	247	0.73	<0.05	12.6	0.390	0.55	1.8	108	
ZZ107161	109.0	<0.002	0.01	1.28	15.3	1	2.0	198.5	0.86	<0.05	15.6	0.431	0.60	2.1	118	
ZZ107162	83.1	<0.002	0.01	1.26	15.3	1	1.6	215	0.77	<0.05	9.7	0.421	0.51	1.6	115	
ZZ107163	147.0	<0.002	0.02	7.22	17.9	2	2.6	158.0	0.82	<0.05	16.6	0.415	0.84	2.3	115	
ZZ107164	103.0	<0.002	0.01	7.77	13.2	1	2.8	322	0.66	<0.05	10.8	0.377	0.66	2.8	99	
ZZ107165	116.0	<0.002	0.01	2.86	15.0	1	2.3	198.5	0.74	<0.05	14.5	0.381	0.72	2.1	105	
ZZ107166	79.4	<0.002	0.01	1.36	13.8	1	1.8	215	0.70	<0.05	12.7	0.386	0.50	1.8	110	
ZZ107167	63.7	<0.002	0.01	1.36	12.4	2	1.5	256	0.70	<0.05	8.7	0.400	0.41	1.7	113	
ZZ107168	72.5	<0.002	0.01	1.62	15.1	1	2.5	240	0.73	<0.05	9.7	0.438	0.51	1.7	123	
ZZ107169	97.6	<0.002	0.02	1.88	14.5	1	2.3	214	0.59	<0.05	17.4	0.330	0.59	1.9	102	
ZZ107170	86.7	<0.002	0.01	1.65	13.0	1	1.7	304	0.71	<0.05	12.0	0.407	0.52	1.8	104	
ZZ107171	146.5	<0.002	0.01	1.92	18.3	1	2.2	240	0.83	<0.05	16.3	0.462	0.78	2.1	115	
ZZ107172	190.5	<0.002	0.06	2.65	21.2	2	3.2	204	0.93	<0.05	15.3	0.485	1.03	2.4	126	
ZZ107173	147.0	<0.002	0.05	3.79	17.7	3	2.7	202	0.92	<0.05	18.3	0.411	0.96	2.5	117	
ZZ107174	116.5	<0.002	0.04	8.27	16.2	18	2.3	156.0	0.88	0.13	9.4	0.464	1.33	4.0	528	
ZZ107175	158.5	<0.002	0.01	5.22	21.7	9	3.4	158.5	1.32	0.15	16.9	0.592	1.22	3.5	225	
ZZ107176	117.0	<0.002	0.02	4.58	16.4	7	2.6	181.5	1.04	0.12	12.2	0.474	1.12	3.3	214	
ZZ107177	93.2	0.005	0.09	4.67	13.9	4	3.0	224	0.77	<0.05	13.0	0.398	0.73	3.4	118	
ZZ107178	100.5	<0.002	0.04	2.36	14.6	3	1.9	291	0.79	<0.05	11.8	0.429	0.66	2.1	113	
ZZ107179	105.0	<0.002	0.03	1.67	15.9	2	1.8	258	0.75	<0.05	12.8	0.456	0.59	1.8	106	
ZZ107180	163.5	<0.002	0.02	2.28	19.9	1	2.6	213	1.00	<0.05	15.8	0.515	0.89	2.3	130	
ZZ107181	111.5	<0.002	0.02	3.26	16.5	1	2.2	209	0.86	<0.05	15.3	0.425	0.68	2.3	112	
ZZ107182	116.0	<0.002	0.01	1.27	14.7	1	1.9	159.0	0.66	<0.05	17.4	0.347	0.64	1.8	94	
ZZ107183	90.9	<0.002	0.01	0.90	12.8	1	2.0	216	0.65	<0.05	13.7	0.333	0.70	1.7	89	
ZZ107184	100.5	<0.002	0.02	1.40	14.3	1	2.2	223	0.78	<0.05	15.8	0.400	0.68	2.1	100	
ZZ107185	89.3	<0.002	0.01	1.24	14.9	1	2.0	215	0.73	<0.05	14.6	0.389	0.69	1.8	101	
ZZ107186	124.0	<0.002	0.03	1.84	15.9	1	2.0	211	0.68	<0.05	15.4	0.367	0.71	3.1	96	
ZZ107187	91.1	<0.002	0.01	1.52	13.8	1	1.7	206	0.69	<0.05	13.2	0.364	0.58	1.7	98	
ZZ107188	150.0	<0.002	0.02	1.93	17.5	1	2.3	204	0.85	<0.05	14.3	0.436	0.86	1.9	107	
ZZ107189	107.0	<0.002	0.01	1.11	15.9	1	1.9	173.5	0.80	<0.05	13.8	0.436	0.66	1.6	119	
ZZ107190	126.0	<0.002	0.03	1.43	15.0	1	2.0	261	0.85	0.05	14.5	0.415	0.69	2.0	100	



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**CERTIFICATE OF ANALYSIS WH15131686**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
ZZ107151		1.2	12.8	76	74.5	0.005
ZZ107152		1.0	9.9	63	73.0	<0.001
ZZ107153		1.2	15.4	70	90.9	0.002
ZZ107154		1.2	8.7	97	74.9	0.001
ZZ107155		1.1	12.2	74	78.5	0.002
ZZ107156		2.1	14.7	76	109.0	0.009
ZZ107157		3.8	11.5	71	163.5	0.002
ZZ107158		2.0	17.6	43	108.0	0.012
ZZ107159		1.0	10.6	37	93.4	<0.001
ZZ107160		1.2	12.9	56	79.5	0.001
ZZ107161		1.4	22.6	64	94.6	0.001
ZZ107162		1.0	11.5	72	74.1	<0.001
ZZ107163		1.3	12.2	91	83.7	0.006
ZZ107164		1.3	16.3	306	100.5	0.044
ZZ107165		1.3	9.5	70	84.4	<0.001
ZZ107166		1.2	12.7	73	85.7	<0.001
ZZ107167		1.2	13.3	78	73.0	0.003
ZZ107168		1.6	13.4	79	73.5	0.001
ZZ107169		1.5	13.2	69	88.6	0.077
ZZ107170		1.2	15.2	62	95.1	0.001
ZZ107171		1.2	11.3	68	117.0	0.005
ZZ107172		1.8	11.9	53	105.0	0.021
ZZ107173		2.1	13.9	104	115.0	0.017
ZZ107174		1.8	15.5	307	119.5	0.011
ZZ107175		2.4	16.1	198	152.5	0.012
ZZ107176		1.9	15.8	172	112.5	0.013
ZZ107177		1.8	16.4	99	94.6	0.013
ZZ107178		1.2	13.1	78	103.5	0.009
ZZ107179		1.0	14.4	77	88.7	0.126
ZZ107180		1.4	13.2	75	112.0	0.001
ZZ107181		1.4	14.8	65	86.5	0.011
ZZ107182		1.4	11.9	64	87.6	0.003
ZZ107183		1.1	9.2	83	89.4	0.003
ZZ107184		1.7	12.4	87	85.3	0.003
ZZ107185		1.1	9.9	71	79.8	<0.001
ZZ107186		1.4	12.5	73	89.4	<0.001
ZZ107187		1.0	11.3	65	86.5	<0.001
ZZ107188		1.2	10.0	71	86.7	<0.001
ZZ107189		1.0	11.1	75	79.9	0.002
ZZ107190		1.3	16.1	72	105.5	0.002



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Sample Description	WEI-21 Recvd Wt. kg	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm	ME-MS61 Fe %
	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
ZZ107191	0.37	0.30	7.98	35.3	890	2.37	0.28	0.99	0.08	131.5	13.8	85	5.27	35.8	3.78
ZZ107192	0.36	0.18	9.10	39.6	940	2.25	0.18	1.11	0.28	137.0	20.0	119	6.59	22.3	3.93
ZZ107193	0.30	0.19	8.51	55.1	1430	2.47	0.15	1.31	0.29	123.0	25.6	168	9.05	37.1	5.16
ZZ107194	0.42	0.87	8.76	24.0	2300	2.36	0.33	0.77	2.06	105.0	20.6	97	9.70	81.6	4.14
ZZ107195	0.37	0.58	7.82	12.3	1310	1.98	0.27	0.79	0.54	89.2	11.8	89	6.19	30.8	3.79
ZZ107196	0.45	0.43	7.65	10.2	1080	1.94	0.24	0.86	0.44	89.0	10.6	75	4.73	27.4	3.29
ZZ107197	0.37	0.67	6.39	8.9	870	1.14	0.19	1.16	0.27	58.3	7.9	63	2.67	15.4	2.86
ZZ107198	0.60	0.11	9.47	11.2	1180	2.96	0.36	0.40	0.19	113.0	10.3	87	7.16	30.3	4.49
ZZ107199	0.41	0.44	6.19	6.9	830	1.52	0.19	0.95	0.63	82.7	8.5	57	2.89	16.2	2.71
ZZ107200	0.32	0.38	4.92	8.2	1140	1.18	0.15	2.20	0.72	49.1	7.6	79	2.96	29.4	2.38
ZZ107201	0.45	0.41	4.93	11.1	1220	1.14	0.15	1.95	1.10	57.9	8.2	109	3.00	26.6	2.43
ZZ107202	0.39	0.75	5.71	11.9	1410	1.30	0.16	2.40	1.96	56.4	9.0	94	3.86	41.9	2.64
ZZ107203	0.38	0.31	6.67	10.4	2480	1.24	0.17	1.48	1.03	61.7	8.1	60	5.00	19.9	2.52
ZZ107204	0.48	0.60	5.71	15.9	1220	1.13	0.16	1.46	1.43	59.2	10.0	85	3.17	20.9	2.72
ZZ107205	0.60	0.24	6.22	25.1	1570	1.34	0.16	1.36	0.19	66.7	7.9	80	3.94	20.4	2.68
ZZ107206	0.55	0.37	5.98	13.4	1770	1.05	0.18	1.07	0.21	59.2	6.4	73	3.25	14.0	2.69
ZZ107207	0.46	0.32	6.33	27.7	7710	1.72	0.21	0.61	0.32	62.7	6.9	103	6.47	32.0	3.10
ZZ107208	0.57	0.60	8.20	34.9	3970	2.01	0.19	0.76	0.25	89.6	15.8	108	7.03	29.3	3.90
ZZ107209	0.52	0.53	8.41	64.9	2790	1.90	0.14	0.93	0.46	82.9	10.8	144	8.48	51.4	3.37
ZZ107210	0.36	0.15	8.54	5.3	1420	0.88	0.06	1.72	0.08	20.7	53.9	360	3.42	90.4	7.67
ZZ107211	0.45	0.31	8.67	28.7	3060	1.45	0.13	1.14	0.32	48.0	33.9	328	6.25	74.8	5.87
ZZ107212	0.42	0.18	6.62	18.2	1840	1.50	0.19	1.45	0.27	73.6	14.8	94	4.59	26.3	3.59
ZZ107213	0.39	0.18	6.34	24.9	1740	1.50	0.19	1.23	0.19	70.5	13.2	83	4.11	24.1	3.40
ZZ107214	0.38	0.36	7.63	50.8	9390	2.23	0.30	0.94	0.72	88.7	12.9	102	10.40	53.4	3.47
ZZ107215	0.41	0.28	7.79	45.2	2460	1.53	0.15	1.21	0.20	61.1	24.8	198	7.80	49.8	4.80
ZZ107216	0.40	0.08	7.78	7.1	1350	1.03	0.12	1.19	0.08	42.2	31.0	228	4.21	54.9	5.30
ZZ107217	0.43	0.13	7.34	6.9	920	0.84	0.09	0.84	0.11	33.0	36.3	220	2.67	49.1	5.68
ZZ107218	0.51	0.25	7.97	23.1	3640	2.03	0.20	0.87	0.19	103.5	15.8	108	7.76	27.3	4.10
ZZ107219	0.45	0.36	6.62	27.4	>10000	3.00	0.23	0.36	0.46	92.7	9.6	96	8.09	67.8	2.59
ZZ107220	0.56	0.44	6.37	17.5	2030	1.80	0.19	1.17	0.27	48.9	8.7	73	3.77	30.6	2.91
ZZ107221	0.51	0.18	6.21	25.0	1550	1.92	0.16	1.31	0.21	63.9	10.0	72	4.11	19.3	2.67
ZZ107222	0.52	0.40	5.78	11.8	1090	1.88	0.17	1.37	0.53	54.7	10.9	100	3.19	24.2	2.69
ZZ107223	0.45	0.34	5.81	10.4	1000	1.98	0.17	1.71	1.65	54.8	12.6	90	2.72	32.5	2.78



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Sample Description	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Method Analyte Units LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
ZZ107191	20.7	0.18	2.6	0.060	2.84	65.6	20.1	0.58	812	1.54	0.85	11.3	45.6	420	32.8
ZZ107192	26.1	0.16	3.1	0.074	2.50	66.3	36.0	0.58	723	1.25	1.22	21.0	50.4	460	21.3
ZZ107193	23.8	0.18	2.7	0.067	2.53	60.9	32.1	1.06	1180	0.92	0.97	19.4	80.2	800	110.5
ZZ107194	24.7	0.13	3.7	0.071	2.33	52.1	45.0	0.56	685	13.80	0.98	15.5	76.1	1140	27.1
ZZ107195	19.60	0.12	2.5	0.064	1.87	45.3	36.9	0.79	401	5.00	1.11	14.2	39.7	610	17.1
ZZ107196	19.90	0.11	2.8	0.065	1.70	45.5	34.5	0.69	324	3.09	1.36	14.9	31.9	290	17.1
ZZ107197	16.55	0.11	1.9	0.041	1.35	30.4	22.1	0.66	342	1.60	1.57	12.1	19.9	260	14.3
ZZ107198	25.2	0.13	3.5	0.089	2.04	54.8	50.1	0.98	333	2.15	1.15	21.4	38.9	440	24.3
ZZ107199	16.30	0.11	2.6	0.047	1.27	41.0	25.0	0.61	395	1.63	1.43	13.4	20.3	370	14.0
ZZ107200	11.50	0.08	1.7	0.040	1.05	27.2	19.3	0.74	372	1.30	0.91	8.2	49.7	730	10.3
ZZ107201	11.65	0.11	2.0	0.036	1.14	31.5	20.4	0.71	466	1.32	0.97	9.1	53.7	1480	11.5
ZZ107202	13.15	0.11	2.0	0.042	1.28	31.0	23.9	0.74	612	1.29	1.14	8.8	49.1	1510	13.8
ZZ107203	17.55	0.11	2.1	0.046	1.66	32.1	27.4	0.69	499	1.90	1.37	10.3	25.6	440	14.8
ZZ107204	14.05	0.11	2.0	0.042	1.20	30.6	23.2	0.75	653	1.76	1.28	10.1	36.9	530	15.4
ZZ107205	15.30	0.11	2.1	0.042	1.44	35.2	23.6	0.76	396	1.34	1.35	11.9	26.4	500	14.1
ZZ107206	15.25	0.08	2.0	0.042	1.30	30.8	20.7	0.70	317	1.52	1.35	11.4	22.1	290	13.3
ZZ107207	18.05	0.09	2.6	0.058	1.73	33.9	25.4	0.63	291	2.00	0.88	11.4	38.4	550	15.0
ZZ107208	22.2	0.14	2.9	0.066	2.15	45.7	30.1	0.69	781	1.60	0.97	17.1	46.4	400	13.8
ZZ107209	22.9	0.13	2.5	0.086	2.36	43.1	63.1	0.68	1140	1.61	1.03	13.8	45.4	560	36.0
ZZ107210	19.80	0.09	0.6	0.072	0.82	8.8	71.7	2.77	1240	0.63	1.83	3.9	173.0	470	4.2
ZZ107211	20.4	0.10	1.8	0.070	1.89	26.1	66.5	1.60	1950	1.85	1.05	7.3	125.5	630	13.0
ZZ107212	15.55	0.10	2.2	0.048	1.53	37.1	27.0	0.75	1040	1.61	1.07	11.9	41.0	450	16.1
ZZ107213	15.95	0.09	2.2	0.049	1.41	36.0	25.3	0.75	777	1.23	1.12	12.0	37.6	310	14.8
ZZ107214	21.4	0.13	3.2	0.070	2.36	45.6	33.5	0.72	1480	3.42	0.74	13.4	58.9	800	25.8
ZZ107215	18.70	0.09	2.1	0.068	1.99	31.2	36.3	1.24	1430	1.62	0.90	10.7	83.9	440	12.8
ZZ107216	17.30	0.09	1.2	0.060	1.28	20.4	47.2	1.92	1190	1.03	1.34	7.8	90.7	210	9.4
ZZ107217	17.80	0.08	1.1	0.058	0.66	14.2	74.2	2.26	1100	1.29	1.71	5.3	107.0	380	7.6
ZZ107218	22.3	0.13	3.0	0.072	2.01	53.0	30.7	0.61	1200	1.92	0.84	17.4	42.1	860	17.8
ZZ107219	22.0	0.20	3.1	0.067	2.12	48.9	41.8	0.53	1060	2.52	0.53	11.0	59.2	680	21.7
ZZ107220	16.60	0.16	2.4	0.044	1.34	26.7	34.1	0.68	350	2.10	1.38	10.2	27.9	360	16.8
ZZ107221	15.45	0.19	2.1	0.046	1.49	34.4	36.7	0.77	351	1.28	1.31	11.1	24.1	450	13.6
ZZ107222	14.70	0.19	2.0	0.041	1.19	31.2	40.4	0.80	357	1.24	1.28	10.0	43.1	520	16.4
ZZ107223	13.50	0.19	2.3	0.041	1.13	29.4	33.8	0.75	620	1.29	1.30	8.4	49.9	630	13.8



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

Page: 9 - C  
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 Plus Appendix Pages  
 Finalized Date: 17-SEP-2015  
 Account: MTT

Project: MAGNUM

**CERTIFICATE OF ANALYSIS WH15131686**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
ZZ107191		138.0	<0.002	0.05	3.06	13.4	2	2.1	218	0.80	<0.05	17.0	0.353	0.76	2.3	123
ZZ107192		113.5	<0.002	0.01	1.35	18.6	1	2.4	263	1.26	<0.05	14.0	0.663	0.73	2.1	137
ZZ107193		125.0	<0.002	0.03	2.06	19.2	1	3.1	193.5	1.16	<0.05	13.2	0.539	0.72	1.9	137
ZZ107194		110.5	<0.002	0.04	6.02	15.3	4	2.7	392	1.05	0.17	13.2	0.507	1.35	4.3	232
ZZ107195		104.0	<0.002	0.02	2.00	14.0	2	2.3	180.0	0.96	0.06	10.7	0.468	0.88	2.3	171
ZZ107196		90.5	<0.002	0.01	1.54	13.1	2	2.3	223	1.02	<0.05	11.2	0.488	0.67	2.4	133
ZZ107197		58.7	<0.002	0.01	1.03	9.7	1	1.8	249	0.83	<0.05	7.1	0.439	0.51	1.9	113
ZZ107198		124.5	<0.002	0.01	1.38	18.4	4	3.4	177.0	1.36	0.11	16.3	0.569	0.90	2.3	137
ZZ107199		63.5	<0.002	0.01	0.83	10.3	1	1.8	218	0.95	0.05	8.6	0.453	0.51	2.0	99
ZZ107200		55.2	<0.002	0.06	1.91	10.5	2	1.2	215	0.58	<0.05	6.4	0.308	0.46	2.4	94
ZZ107201		58.3	<0.002	0.04	3.29	10.3	2	1.5	224	0.63	<0.05	7.4	0.351	0.49	2.8	94
ZZ107202		59.5	<0.002	0.04	3.28	11.1	3	1.3	290	0.61	0.06	7.6	0.330	0.55	3.0	100
ZZ107203		83.6	<0.002	0.02	1.42	9.9	1	1.6	279	0.68	<0.05	7.9	0.372	0.67	2.0	108
ZZ107204		63.1	<0.002	0.01	2.17	10.7	2	1.5	239	0.69	0.06	7.3	0.365	0.51	2.1	110
ZZ107205		74.7	<0.002	<0.01	2.02	12.2	2	1.8	241	0.89	<0.05	8.5	0.413	0.60	2.6	128
ZZ107206		64.4	<0.002	0.01	1.11	10.4	1	1.6	222	0.82	<0.05	6.5	0.429	0.58	1.8	126
ZZ107207		104.5	<0.002	0.01	2.50	13.5	4	2.0	209	0.76	<0.05	8.3	0.410	0.94	2.4	158
ZZ107208		109.0	<0.002	0.01	2.13	16.4	2	2.3	221	1.11	0.05	11.9	0.551	0.92	2.4	144
ZZ107209		127.0	<0.002	0.01	5.69	18.5	1	4.0	286	0.93	<0.05	10.2	0.462	1.00	2.3	156
ZZ107210		32.8	<0.002	0.02	1.02	39.1	1	0.9	95.7	0.26	<0.05	1.6	0.446	0.32	0.4	246
ZZ107211		87.3	<0.002	0.02	2.11	26.5	1	1.3	163.0	0.48	0.06	5.7	0.346	0.63	1.2	188
ZZ107212		74.1	<0.002	0.02	1.61	13.8	1	1.5	246	0.77	0.05	8.5	0.415	0.55	1.6	112
ZZ107213		69.2	<0.002	0.01	1.43	13.5	1	1.6	224	0.80	<0.05	9.6	0.404	0.58	1.8	120
ZZ107214		121.5	<0.002	0.03	3.66	15.3	2	2.9	251	0.95	0.07	14.4	0.396	1.34	2.8	155
ZZ107215		99.0	<0.002	0.01	2.40	23.2	1	1.9	214	0.73	<0.05	7.8	0.530	0.77	1.4	175
ZZ107216		56.9	<0.002	0.01	1.34	25.5	1	1.2	184.5	0.51	<0.05	4.5	0.540	0.47	1.0	170
ZZ107217		26.8	<0.002	0.01	0.85	25.9	1	0.9	143.0	0.36	<0.05	2.9	0.318	0.25	0.8	166
ZZ107218		112.5	<0.002	0.01	1.75	15.4	2	2.5	303	1.10	<0.05	13.0	0.512	0.82	2.6	132
ZZ107219		133.0	<0.002	0.01	2.54	19.3	6	2.4	189.5	0.86	0.09	13.9	0.368	1.24	2.7	151
ZZ107220		79.1	<0.002	0.01	1.61	14.0	1	1.6	244	0.77	<0.05	7.6	0.412	0.62	2.0	117
ZZ107221		84.7	<0.002	0.01	1.68	15.6	1	1.7	226	0.89	<0.05	9.4	0.453	0.62	2.2	121
ZZ107222		69.6	<0.002	0.01	2.36	14.3	2	1.5	221	0.75	0.05	8.1	0.387	0.53	2.3	108
ZZ107223		56.3	<0.002	0.02	1.91	14.5	3	1.3	253	0.65	0.05	8.3	0.347	0.46	2.6	97



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 Account: MTT

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CERTIFICATE OF ANALYSIS	WH15131686
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Sample Description	Method Analyte Units LOR	ME-MS61 W ppm	ME-MS61 Y ppm	ME-MS61 Zn ppm	ME-MS61 Zr ppm	Au-ICP21 Au ppm
		0.1	0.1	2	0.5	0.001
ZZ107191		1.6	19.8	52	99.2	0.028
ZZ107192		1.7	11.5	302	120.5	<0.001
ZZ107193		1.2	15.6	174	107.5	0.085
ZZ107194		2.1	14.5	247	149.5	0.002
ZZ107195		1.7	12.5	111	94.1	0.002
ZZ107196		1.6	12.3	85	103.5	0.002
ZZ107197		1.2	10.7	63	76.1	0.003
ZZ107198		2.3	11.0	95	125.0	0.002
ZZ107199		1.4	11.2	61	97.6	<0.001
ZZ107200		1.0	15.4	89	64.9	0.004
ZZ107201		1.1	16.4	98	80.6	0.007
ZZ107202		1.0	22.2	102	78.7	0.002
ZZ107203		1.2	10.7	86	84.5	0.001
ZZ107204		1.4	13.3	79	74.0	0.003
ZZ107205		1.6	14.0	63	74.9	0.008
ZZ107206		1.6	11.2	61	73.8	0.001
ZZ107207		2.0	11.8	96	103.0	0.003
ZZ107208		2.0	12.8	117	110.0	0.005
ZZ107209		2.2	13.3	143	94.5	0.039
ZZ107210		0.5	13.7	105	19.6	0.001
ZZ107211		1.6	11.4	125	70.9	0.001
ZZ107212		1.2	15.4	79	96.8	<0.001
ZZ107213		1.4	15.2	70	81.2	0.001
ZZ107214		2.6	18.5	150	121.5	0.005
ZZ107215		1.5	21.1	83	78.9	0.004
ZZ107216		0.8	15.8	76	49.6	<0.001
ZZ107217		0.7	8.7	106	47.7	<0.001
ZZ107218		1.7	13.8	90	114.5	0.002
ZZ107219		2.2	12.3	148	108.5	0.004
ZZ107220		1.3	11.5	78	84.0	0.002
ZZ107221		1.3	13.2	61	76.4	0.007
ZZ107222		1.2	14.5	67	71.3	0.004
ZZ107223		0.9	16.7	71	90.4	0.003





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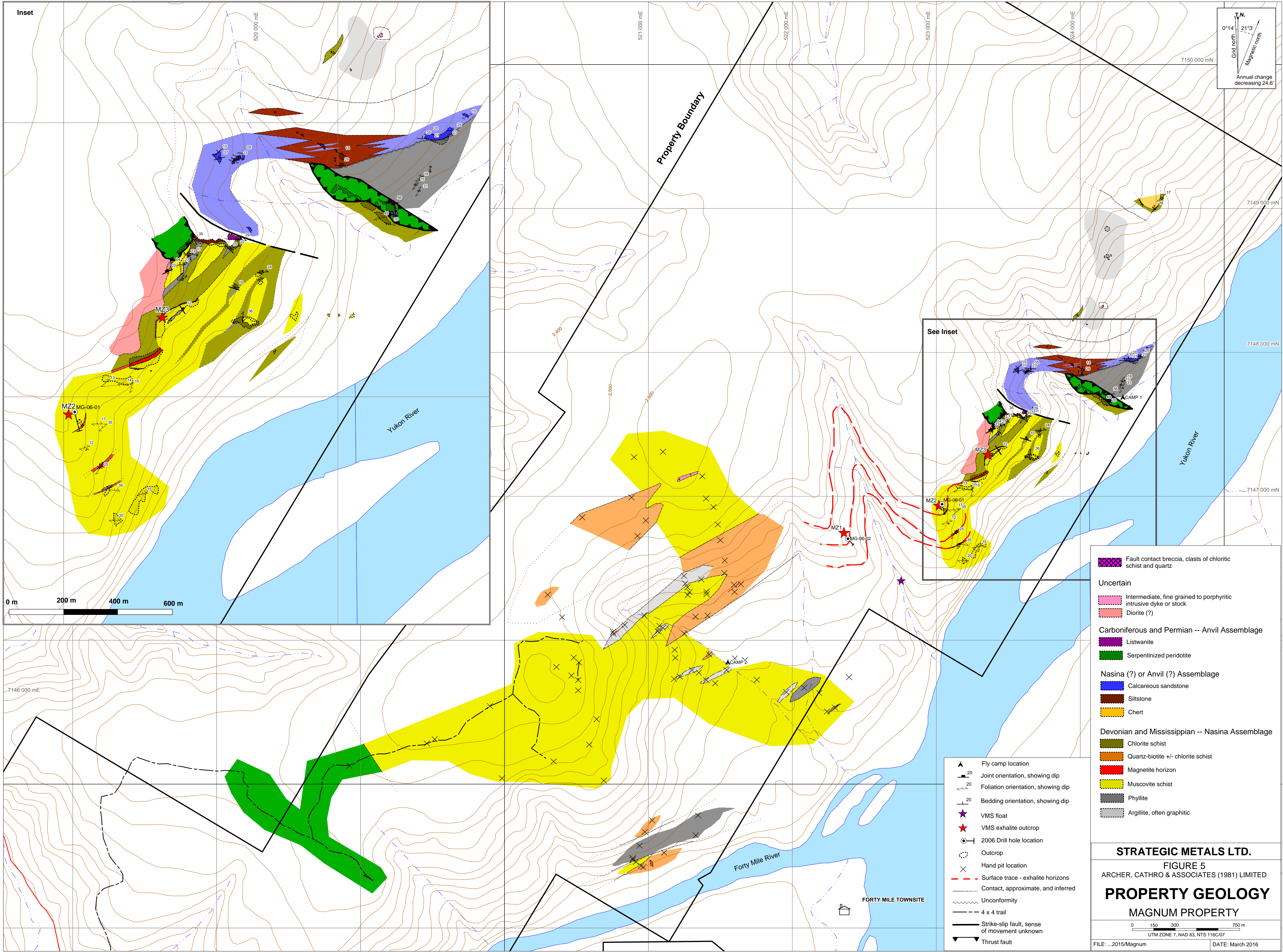
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Project: MAGNUM

**CERTIFICATE OF ANALYSIS WH15131686**

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



T.N.  
 0°14' 21"3"  
 Grid north  
 Magnetic north  
 Annual change decreasing 24.6'

0 m 200 m 400 m 600 m

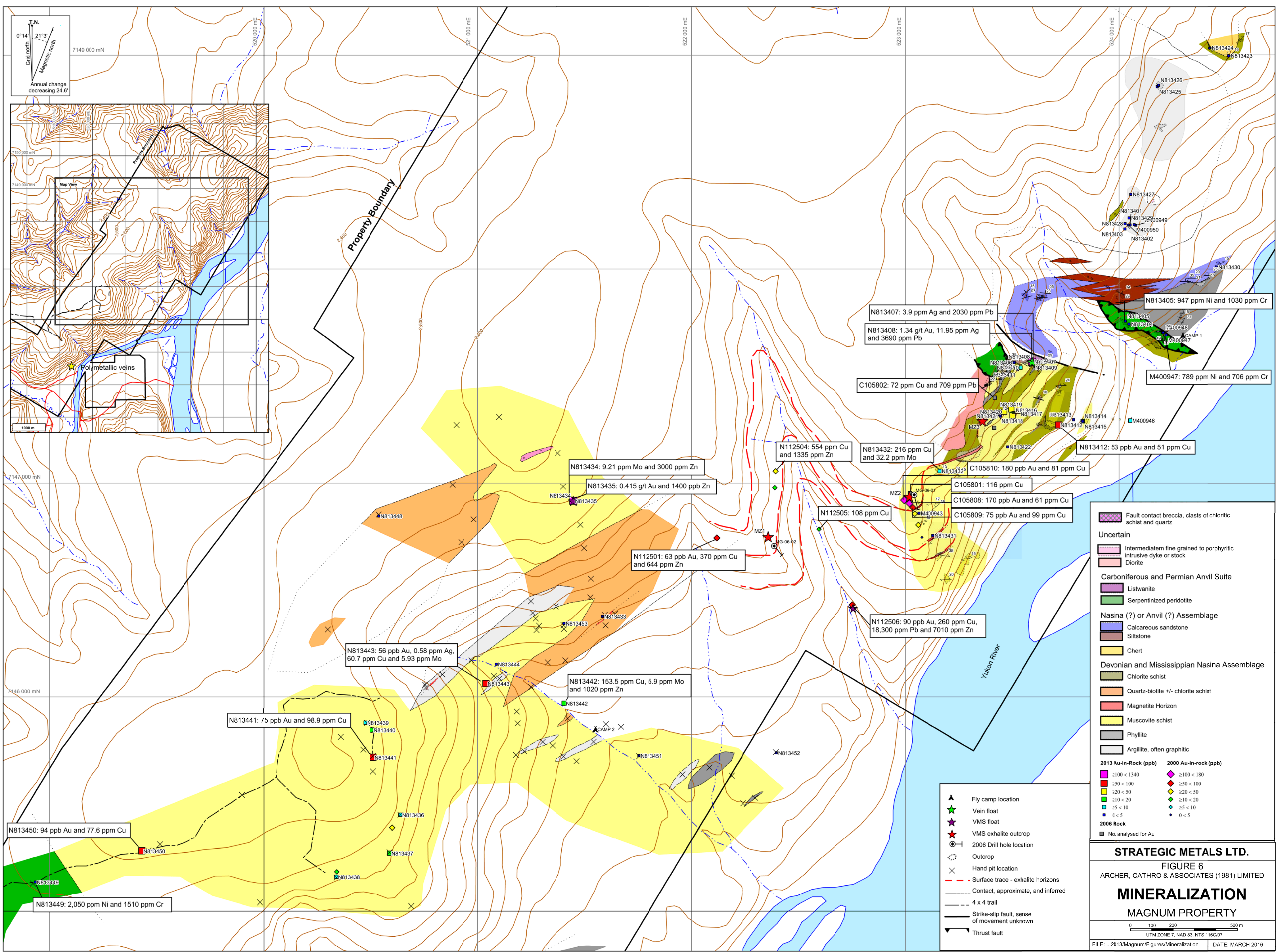
- Fault contact breccia, clasts of chloritic schist and quartz
- Uncertain**
- Intermediate, fine grained to porphyritic intrusive dyke or stock
- Diorite (?)
- Carboniferous and Permian -- Anvil Assemblage**
- Listwanite
- Serpentinized peridotite
- Nasina (?) or Anvil (?) Assemblage**
- Calcareous sandstone
- Siltstone
- Chert
- Devonian and Mississippian -- Nasina Assemblage**
- Chlorite schist
- Quartz-biotite +/- chlorite schist
- Magnetite horizon
- Muscovite schist
- Phyllite
- Argillite, often graphitic

- Fly camp location
- Joint orientation, showing dip
- Foliation orientation, showing dip
- Bedding orientation, showing dip
- VMS float
- VMS exhale outcrop
- 2006 Drill hole location
- Outcrop
- Hand pit location
- Surface trace - exhale horizons
- Contact, approximate, and inferred
- Unconformity
- 4 x 4 trail
- Strike-slip fault, sense of movement unknown
- Thrust fault

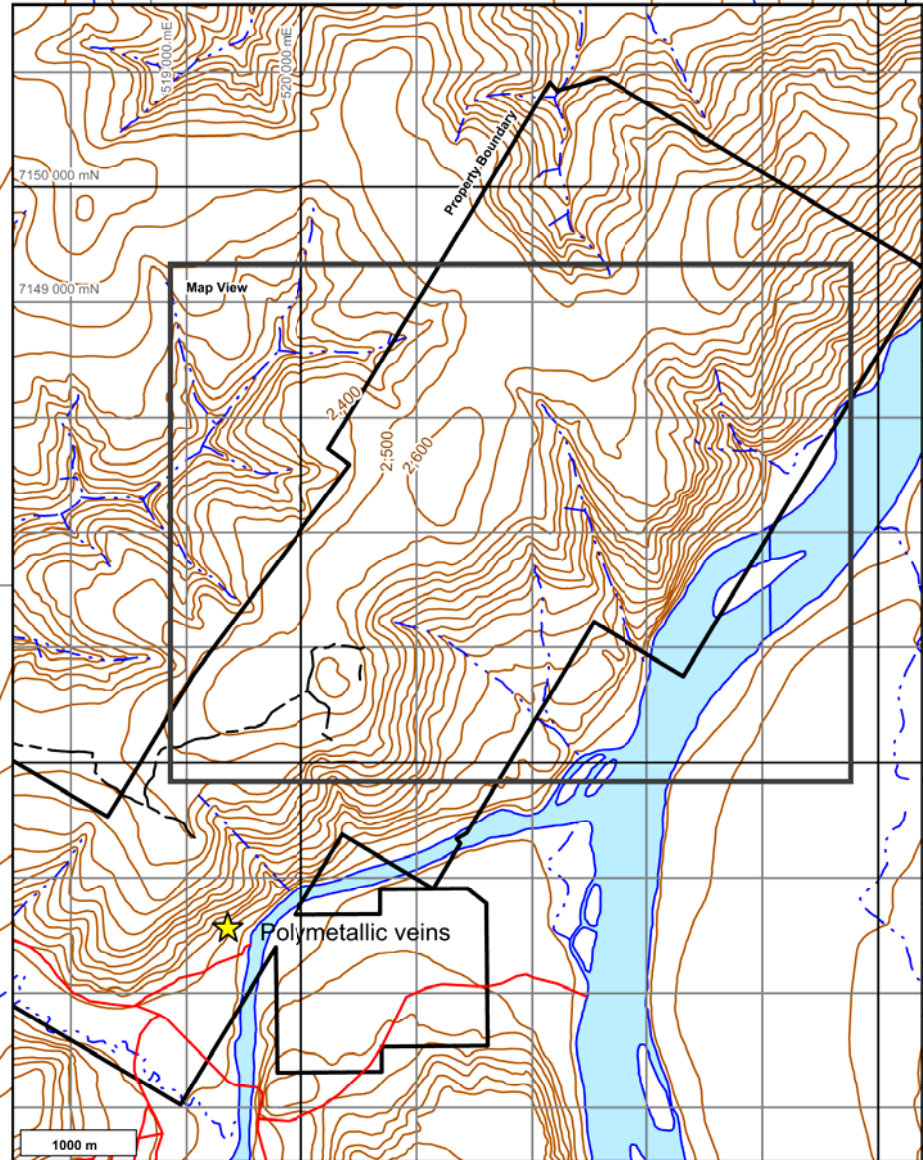
**STRATEGIC METALS LTD.**  
 FIGURE 5  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**PROPERTY GEOLOGY**  
**MAGNUM PROPERTY**

0 150 300 750 m  
 UTM ZONE 7, NAD 83, NTS 116C/07  
 FILE: ...2015/Magnum DATE: March 2016





T.N.  
0°14' 21"3"  
Grid north  
Magnetic north  
Annual change decreasing 24.6'



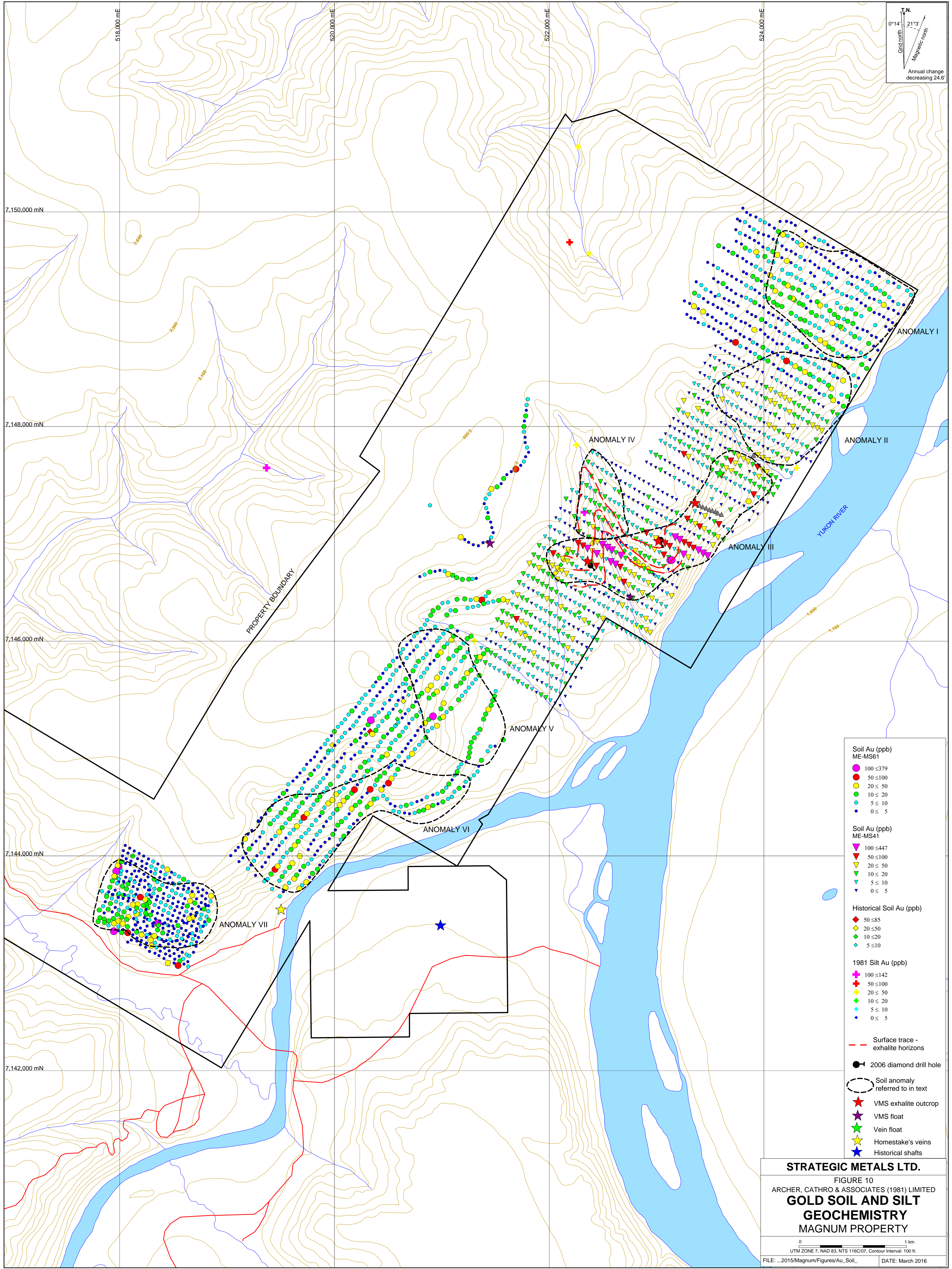
- Fault contact breccia, clasts of chloritic schist and quartz
  - Uncertain**
  - Intermediate fine grained to porphyritic intrusive dyke or stock
  - Diorite
  - Carboniferous and Permian Anvil Suite**
  - Listwanite
  - Serpentinized peridotite
  - Nasina (?) or Anvil (?) Assemblage**
  - Calcareous sandstone
  - Siltstone
  - Chert
  - Devonian and Mississippian Nasina Assemblage**
  - Chlorite schist
  - Quartz-biotite +/- chlorite schist
  - Magnetite Horizon
  - Muscovite schist
  - Phyllite
  - Argillite, often graphitic
- | 2013 Au-in-Rock (ppb) | 2000 Au-in-rock (ppb) |
|-----------------------|-----------------------|
| ≥100 < 1340           | ≥100 < 180            |
| ≥50 < 100             | ≥50 < 100             |
| ≥20 < 50              | ≥20 < 50              |
| ≥10 < 20              | ≥10 < 20              |
| ≥5 < 10               | ≥5 < 10               |
| < 5                   | < 5                   |
- Fly camp location
  - Vein float
  - VMS float
  - VMS exhalite outcrop
  - 2006 Drill hole location
  - Outcrop
  - Hand pit location
  - Surface trace - exhalite horizons
  - Contact, approximate, and inferred
  - 4 x 4 trail
  - Strike-slip fault, sense of movement unknown
  - Thrust fault

**STRATEGIC METALS LTD.**  
**FIGURE 6**  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**MINERALIZATION**  
**MAGNUM PROPERTY**

0 100 200 500 m  
 UTM ZONE 7, NAD 83, NTS 116C/07

FILE: ...2013\Magnum\Figures\Mineralization DATE: MARCH 2016





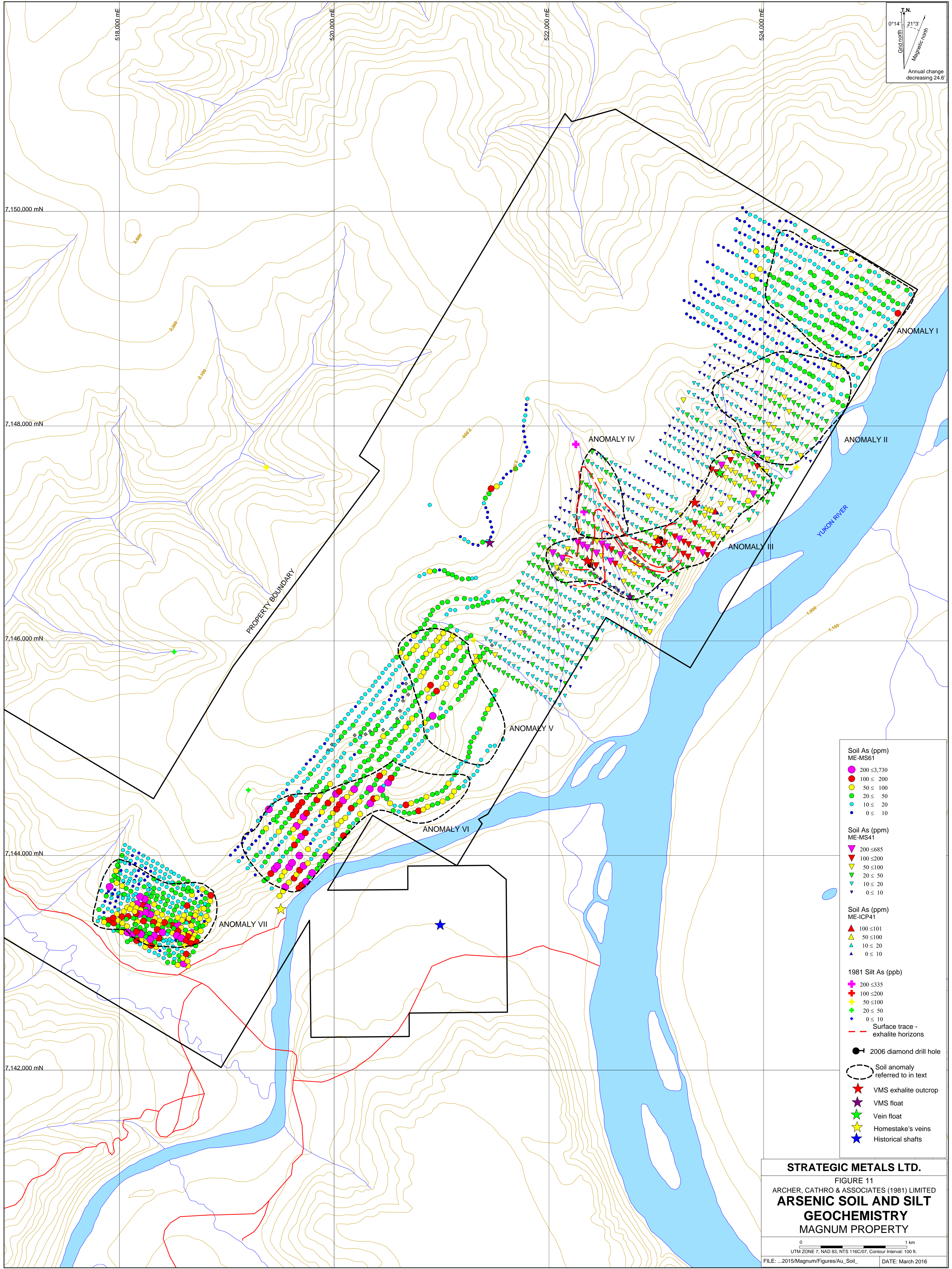
T.N.  
 0°14' 21"3"  
 Grid north  
 Magnetic north  
 Annual change decreasing 24.6'

- Soil Au (ppb) ME-MS61
  - 100 ≤ 379
  - 50 ≤ 100
  - 20 ≤ 50
  - 10 ≤ 20
  - 5 ≤ 10
  - 0 ≤ 5
- Soil Au (ppb) ME-MS41
  - ▼ 100 ≤ 447
  - ▼ 50 ≤ 100
  - ▼ 20 ≤ 50
  - ▼ 10 ≤ 20
  - ▼ 5 ≤ 10
  - ▼ 0 ≤ 5
- Historical Soil Au (ppb)
  - ◆ 50 ≤ 85
  - ◆ 20 ≤ 50
  - ◆ 10 ≤ 20
  - ◆ 5 ≤ 10
- 1981 Silt Au (ppb)
  - ✦ 100 ≤ 142
  - ✦ 50 ≤ 100
  - ✦ 20 ≤ 50
  - ✦ 10 ≤ 20
  - ✦ 5 ≤ 10
  - ✦ 0 ≤ 5
- Surface trace - exhalite horizons
- 2006 diamond drill hole
- Soil anomaly referred to in text
- ★ VMS exhalite outcrop
- ★ VMS float
- ★ Vein float
- ★ Homestake's veins
- ★ Historical shafts

**STRATEGIC METALS LTD.**  
 FIGURE 10  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**GOLD SOIL AND SILT  
 GEOCHEMISTRY**  
**MAGNUM PROPERTY**

0 1 km  
 UTM ZONE 7, NAD 83, NTS 116C/07, Contour Interval: 100 ft.  
 FILE: ...2015/Magnum/Figures/Au\_Soil\_ DATE: March 2016





T.N.  
 0°14' 21"3"  
 Grid north  
 Magnetic north  
 Annual change  
 decreasing 24.6'

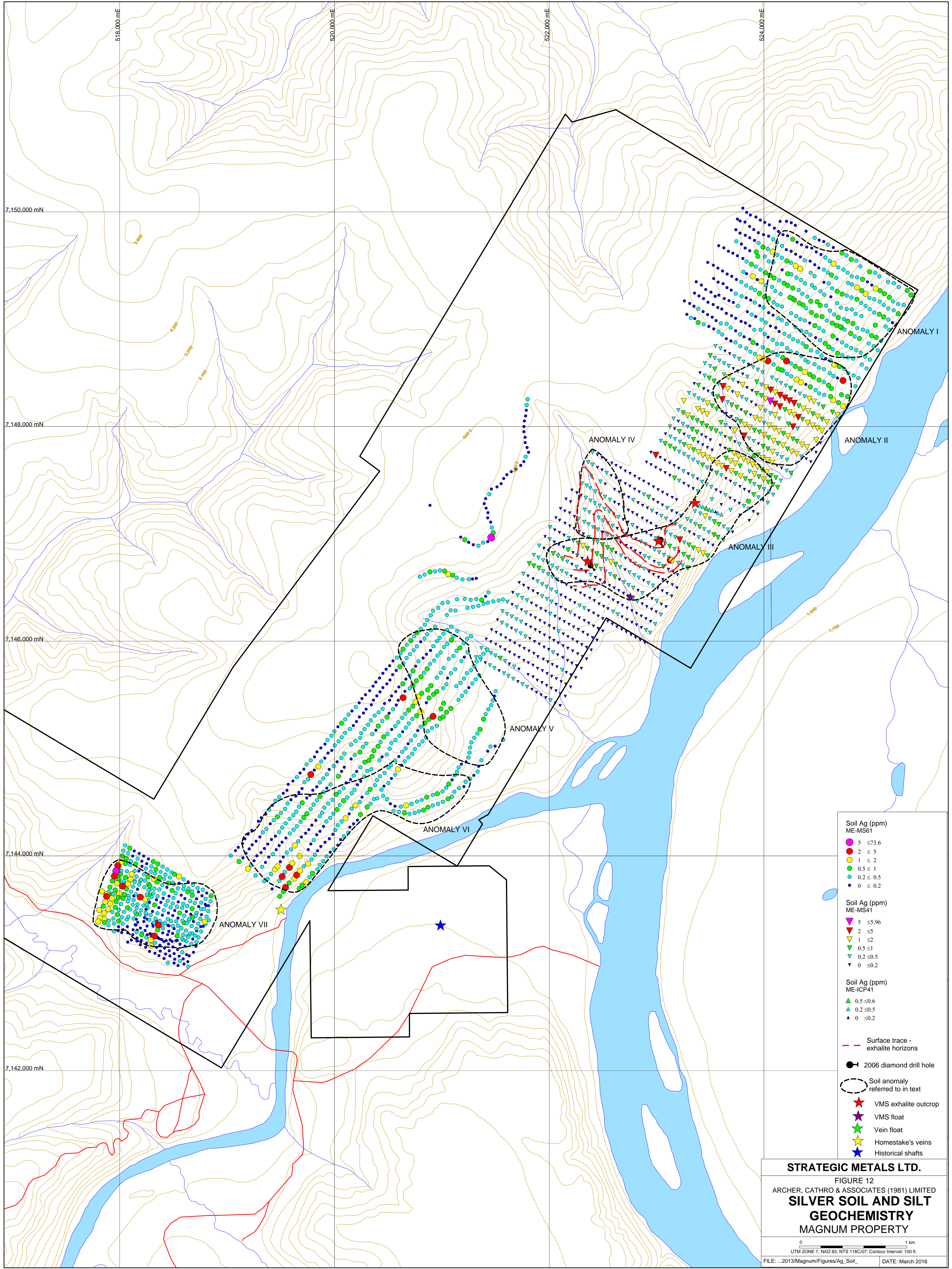
- Soil As (ppm)  
ME-MS61**
- 200 ≤ 3,730
- 100 ≤ 200
- 50 ≤ 100
- 20 ≤ 50
- 10 ≤ 20
- 0 ≤ 10
  
- Soil As (ppm)  
ME-MS41**
- ▼ 200 ≤ 685
- ▼ 100 ≤ 200
- ▼ 50 ≤ 100
- ▼ 20 ≤ 50
- ▼ 10 ≤ 20
- ▼ 0 ≤ 10
  
- Soil As (ppm)  
ME-ICP41**
- ▲ 100 ≤ 101
- ▲ 50 ≤ 100
- ▲ 10 ≤ 20
- ▲ 0 ≤ 10
  
- 1981 Silt As (ppb)**
- ✦ 200 ≤ 335
- ✦ 100 ≤ 200
- ✦ 50 ≤ 100
- ✦ 20 ≤ 50
- ✦ 0 ≤ 10
- Surface trace - exhalite horizons
- 2006 diamond drill hole
- Soil anomaly referred to in text
- ★ VMS exhalite outcrop
- ★ VMS float
- ★ Vein float
- ★ Homestake's veins
- ★ Historical shafts

**STRATEGIC METALS LTD.**  
 FIGURE 11  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ARSENIC SOIL AND SILT  
 GEOCHEMISTRY**  
**MAGNUM PROPERTY**

0 1 km  
 UTM ZONE 7, NAD 83, NTS 116C/07, Contour Interval: 100 ft.

FILE: ...2015/Magnum/Figures/Au\_Soil\_ DATE: March 2016





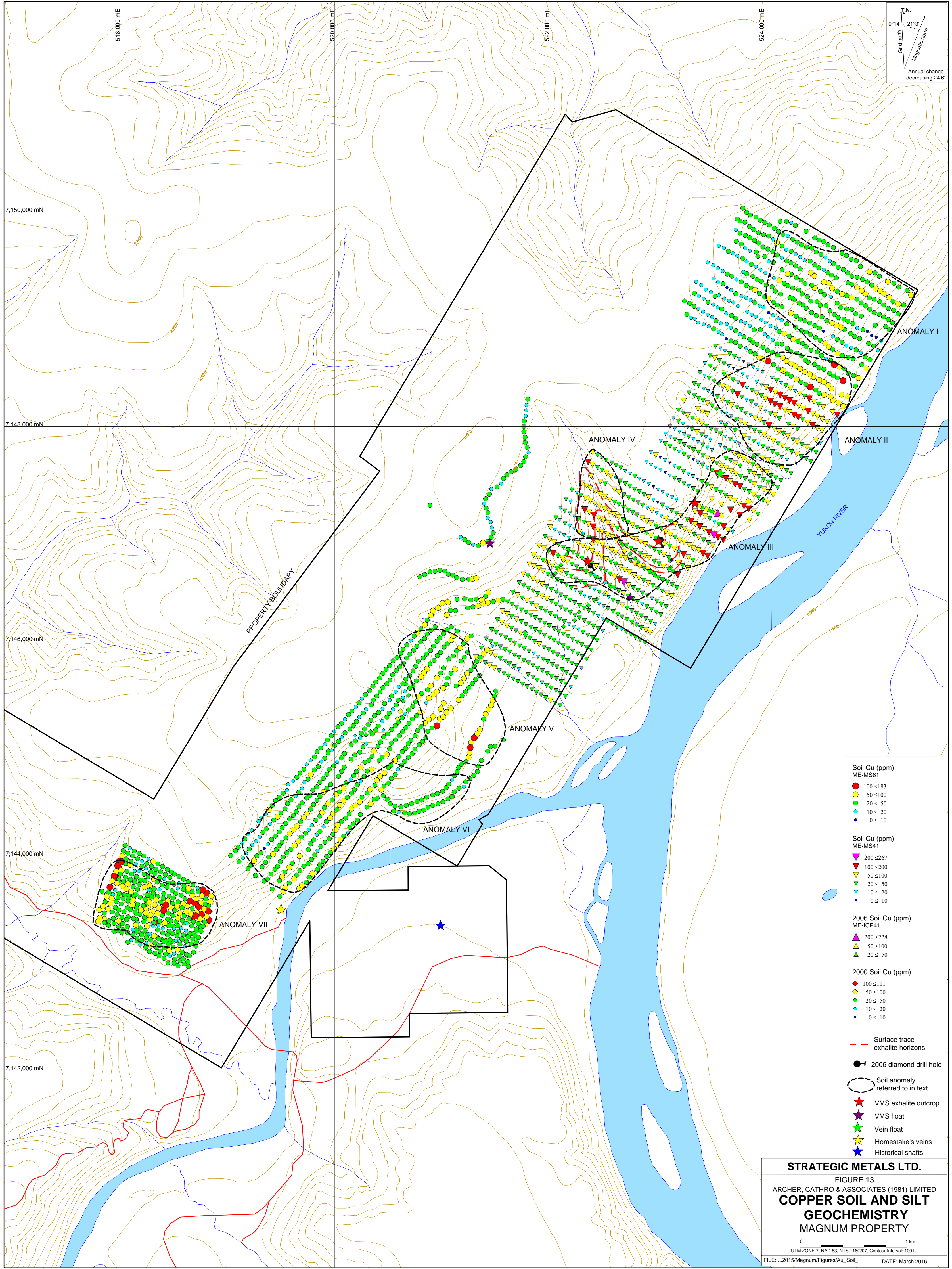
- Soil Ag (ppm) ME-MS61
  - 5 ≤ 73.6
  - 2 ≤ 5
  - 1 ≤ 2
  - 0.5 ≤ 1
  - 0.2 ≤ 0.5
  - 0 ≤ 0.2
- Soil Ag (ppm) ME-MS41
  - ▼ 5 ≤ 5.96
  - ▼ 2 ≤ 5
  - ▼ 1 ≤ 2
  - ▼ 0.5 ≤ 1
  - ▼ 0.2 ≤ 0.5
  - ▼ 0 ≤ 0.2
- Soil Ag (ppm) ME-ICP41
  - ▲ 0.5 ≤ 0.6
  - ▲ 0.2 ≤ 0.5
  - ▲ 0 ≤ 0.2
- Surface trace - exhalite horizons
- 2006 diamond drill hole
- Soil anomaly referred to in text
- ★ VMS exhalite outcrop
- ★ VMS float
- ★ Vein float
- ★ Homestake's veins
- ★ Historical shafts

**STRATEGIC METALS LTD.**  
 FIGURE 12  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**SILVER SOIL AND SILT  
 GEOCHEMISTRY**  
**MAGNUM PROPERTY**

0 1 km  
 UTM ZONE 7, NAD 83, NTS 116C/07, Contour Interval: 100 ft.

FILE: ...2013\Magnum\Figures\Ag\_Soil\_ DATE: March 2016





T.N.  
 0°14' 21"3"  
 Grid north  
 Magnetic north  
 Annual change  
 decreasing 24.6'

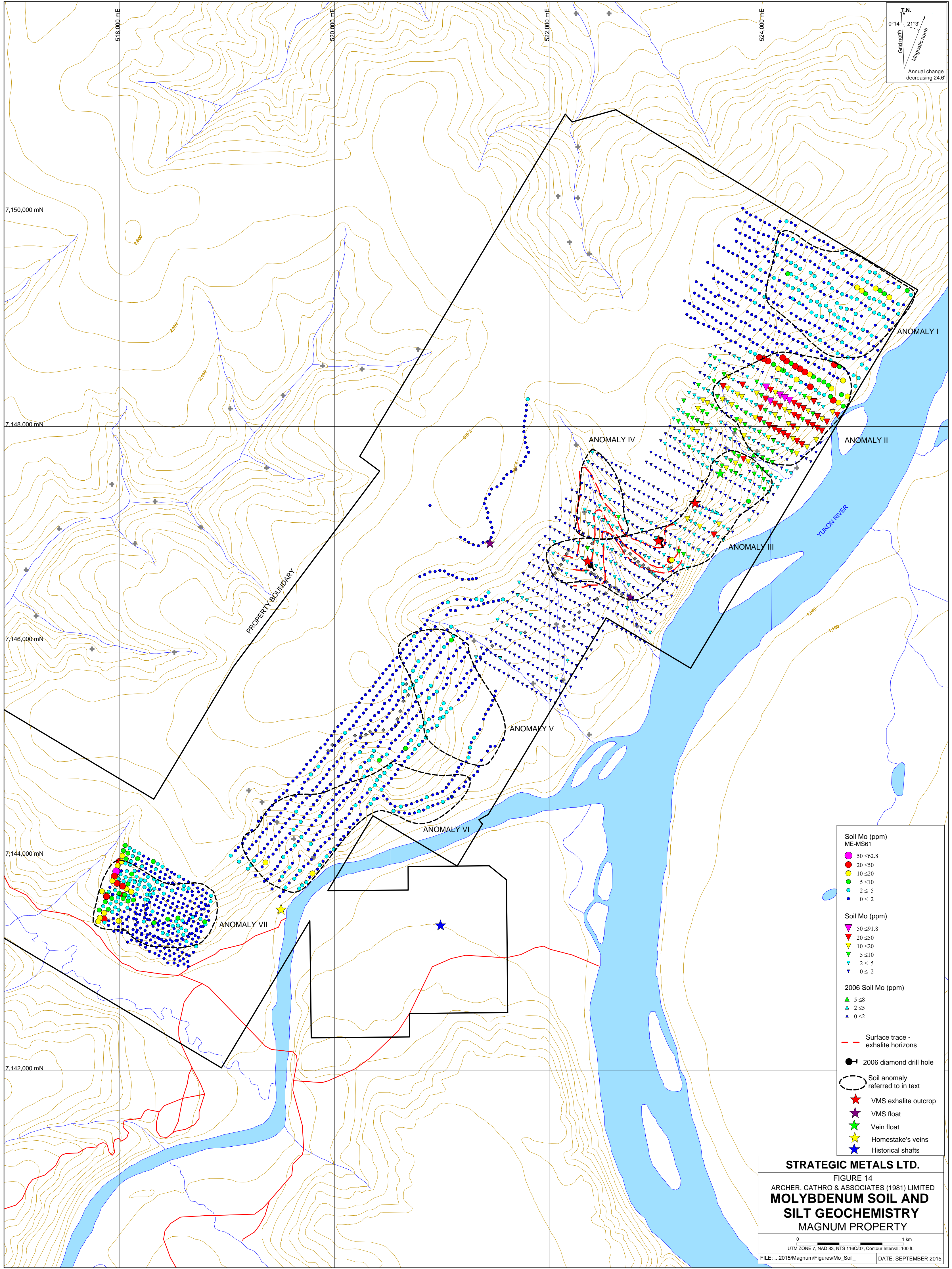
- Soil Cu (ppm)  
 ME-MS61**
- 100 ≤ 183
  - 50 ≤ 100
  - 20 ≤ 50
  - 10 ≤ 20
  - 0 ≤ 10
- Soil Cu (ppm)  
 ME-MS41**
- ▼ 200 ≤ 267
  - ▼ 100 ≤ 200
  - ▼ 50 ≤ 100
  - ▼ 20 ≤ 50
  - ▼ 10 ≤ 20
  - ▼ 0 ≤ 10
- 2006 Soil Cu (ppm)  
 ME-ICP41**
- ▲ 200 ≤ 228
  - ▲ 50 ≤ 100
  - ▲ 20 ≤ 50
- 2000 Soil Cu (ppm)**
- ◆ 100 ≤ 111
  - ◆ 50 ≤ 100
  - ◆ 20 ≤ 50
  - ◆ 10 ≤ 20
  - ◆ 0 ≤ 10
- - - Surface trace - exhalite horizons
  - 2006 diamond drill hole
  - Soil anomaly referred to in text
  - ★ VMS exhalite outcrop
  - ★ VMS float
  - ★ Vein float
  - ★ Homestake's veins
  - ★ Historical shafts

**STRATEGIC METALS LTD.**  
 FIGURE 13  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**COPPER SOIL AND SILT  
 GEOCHEMISTRY**  
**MAGNUM PROPERTY**

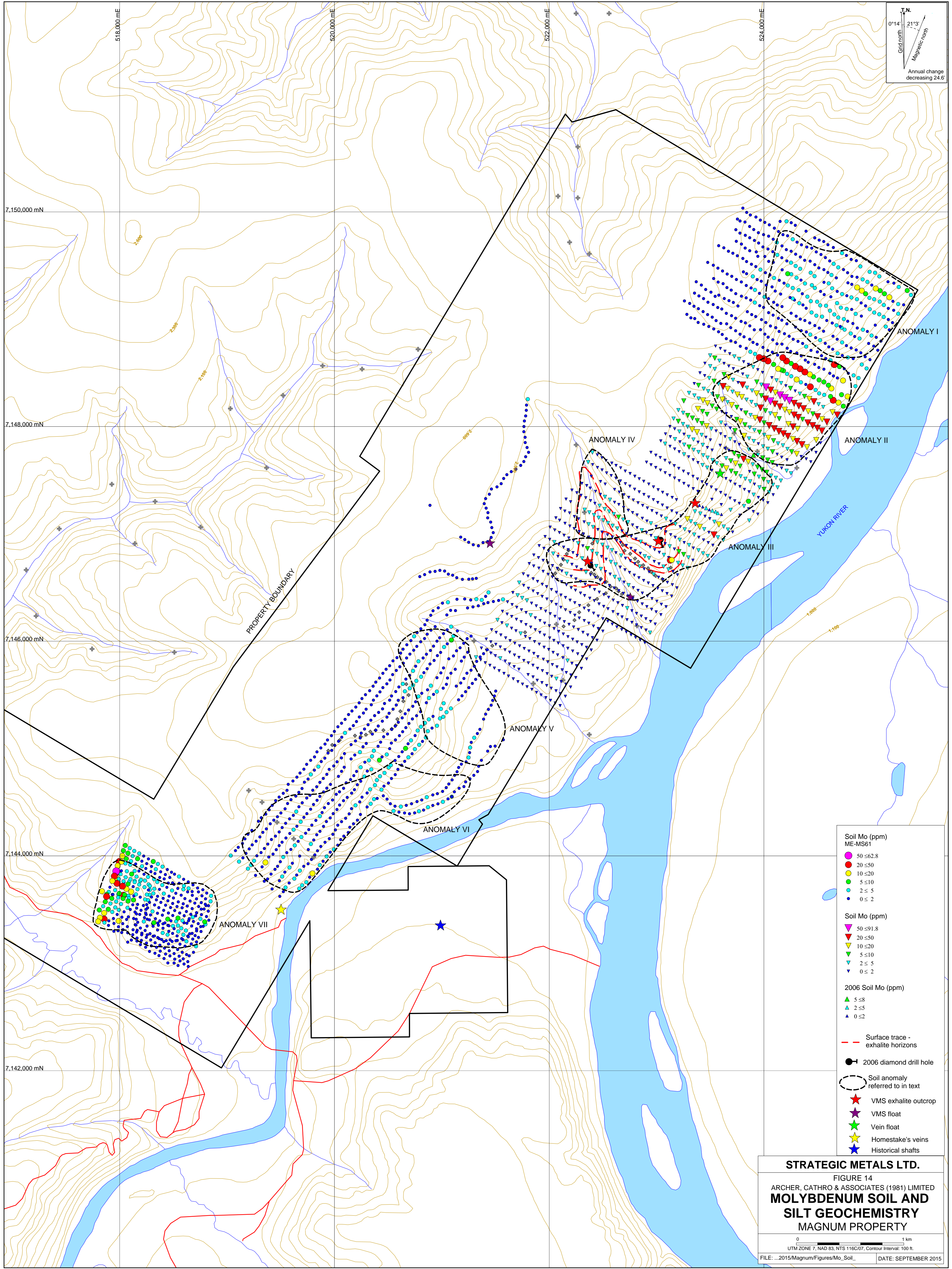
0 1 km  
 UTM ZONE 7, NAD 83, NTS 116C/07, Contour Interval: 100 ft.

FILE: ...2015\Magnum\Figures\Au\_Soil\_ DATE: March 2016





T.N.  
 0°14' 21"3"  
 Grid north  
 Magnetic north  
 Annual change decreasing 24.6'

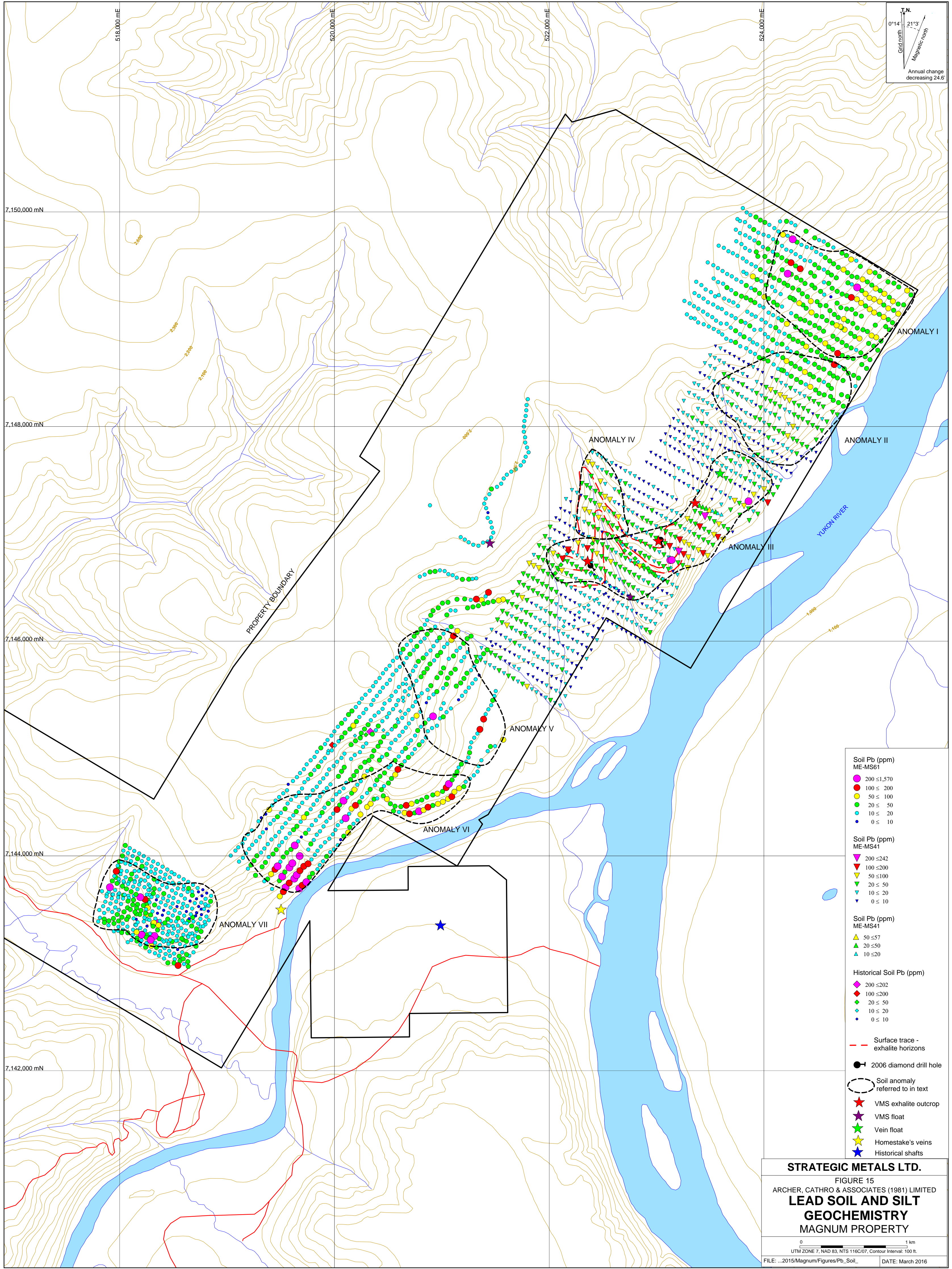


- Soil Mo (ppm)  
 ME-MS61
- 50 ≤ 62.8
  - 20 ≤ 50
  - 10 ≤ 20
  - 5 ≤ 10
  - 2 ≤ 5
  - 0 ≤ 2
- Soil Mo (ppm)
- ▼ 50 ≤ 91.8
  - ▼ 20 ≤ 50
  - ▼ 10 ≤ 20
  - ▼ 5 ≤ 10
  - ▼ 2 ≤ 5
  - ▼ 0 ≤ 2
- 2006 Soil Mo (ppm)
- ▲ 5 ≤ 8
  - ▲ 2 ≤ 5
  - ▲ 0 ≤ 2
- - - Surface trace - exhalite horizons
  - 2006 diamond drill hole
  - Soil anomaly referred to in text
  - ★ VMS exhalite outcrop
  - ★ VMS float
  - ★ Vein float
  - ★ Homestake's veins
  - ★ Historical shafts

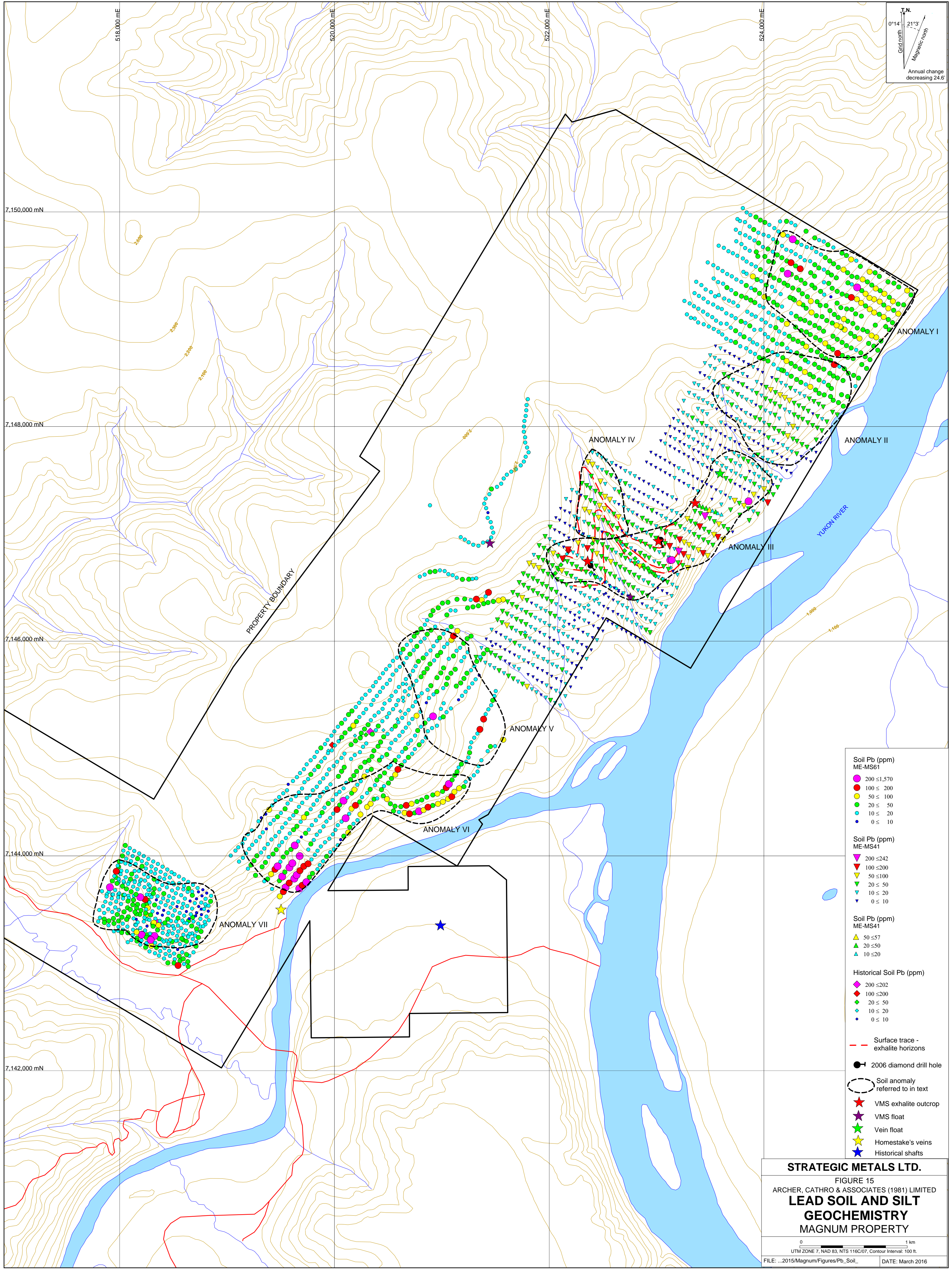
**STRATEGIC METALS LTD.**  
 FIGURE 14  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**MOLYBDENUM SOIL AND SILT GEOCHEMISTRY**  
**MAGNUM PROPERTY**

0 1 km  
 UTM ZONE 7, NAD 83, NTS 116C/07, Contour Interval: 100 ft.  
 FILE: ...2015\Magnum\Figures\Mo\_Soil DATE: SEPTEMBER 2015





T.N.  
 0°14' 21"3"  
 Grid north  
 Magnetic north  
 Annual change decreasing 24.6'



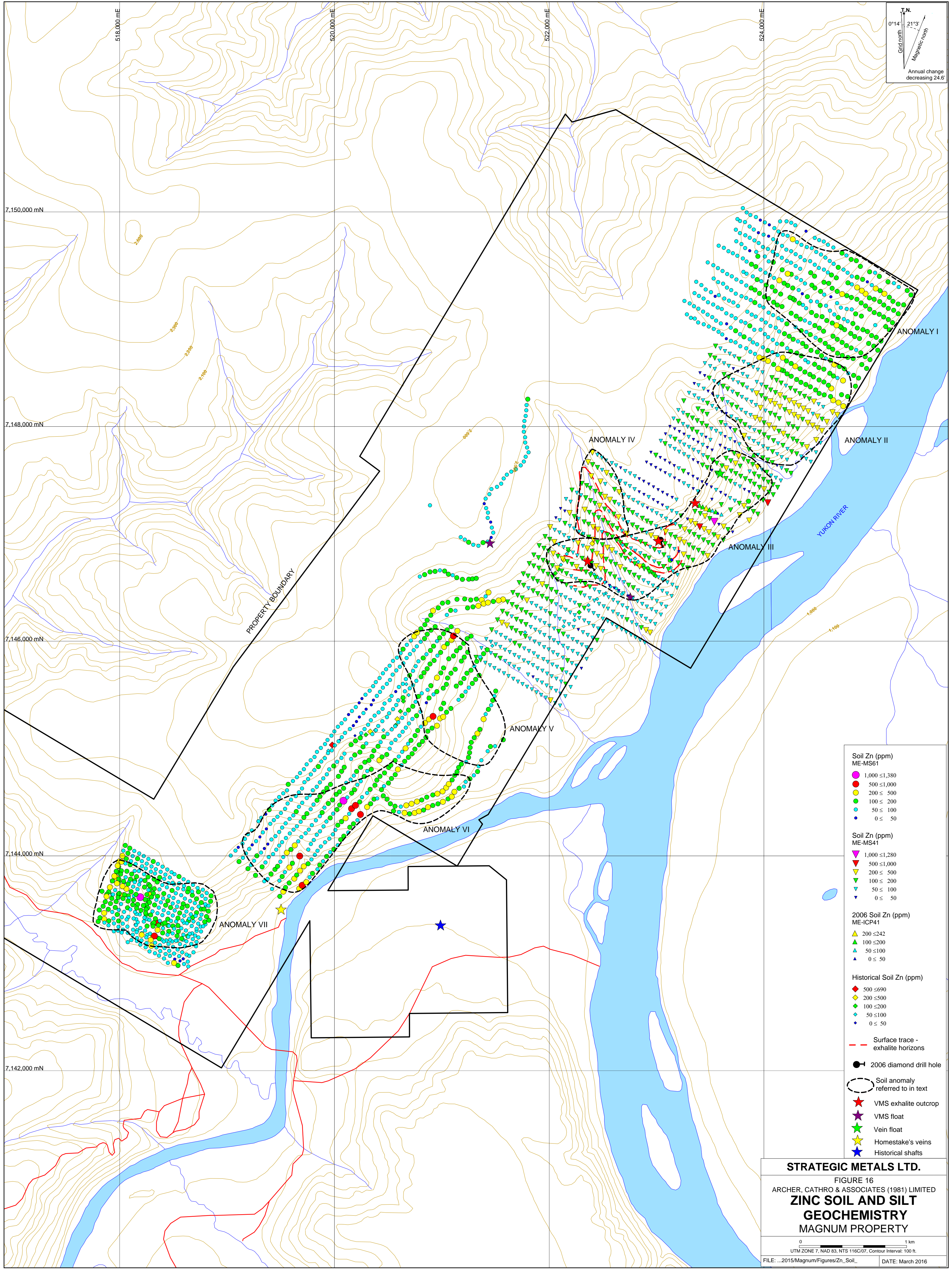
- Soil Pb (ppm)  
ME-MS61
- 200 ≤ 1,570
- 100 ≤ 200
- 50 ≤ 100
- 20 ≤ 50
- 10 ≤ 20
- 0 ≤ 10
  
- Soil Pb (ppm)  
ME-MS41
- ▼ 200 ≤ 242
- ▼ 100 ≤ 200
- ▼ 50 ≤ 100
- ▼ 20 ≤ 50
- ▼ 10 ≤ 20
- ▼ 0 ≤ 10
  
- Soil Pb (ppm)  
ME-MS41
- ▲ 50 ≤ 57
- ▲ 20 ≤ 50
- ▲ 10 ≤ 20
  
- Historical Soil Pb (ppm)
- ◆ 200 ≤ 202
- ◆ 100 ≤ 200
- ◆ 20 ≤ 50
- ◆ 10 ≤ 20
- ◆ 0 ≤ 10
  
- - - Surface trace - exhalite horizons
- 2006 diamond drill hole
- Soil anomaly referred to in text
- ★ VMS exhalite outcrop
- ★ VMS float
- ★ Vein float
- ★ Homestake's veins
- ★ Historical shafts

**STRATEGIC METALS LTD.**  
 FIGURE 15  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**LEAD SOIL AND SILT  
 GEOCHEMISTRY**  
**MAGNUM PROPERTY**

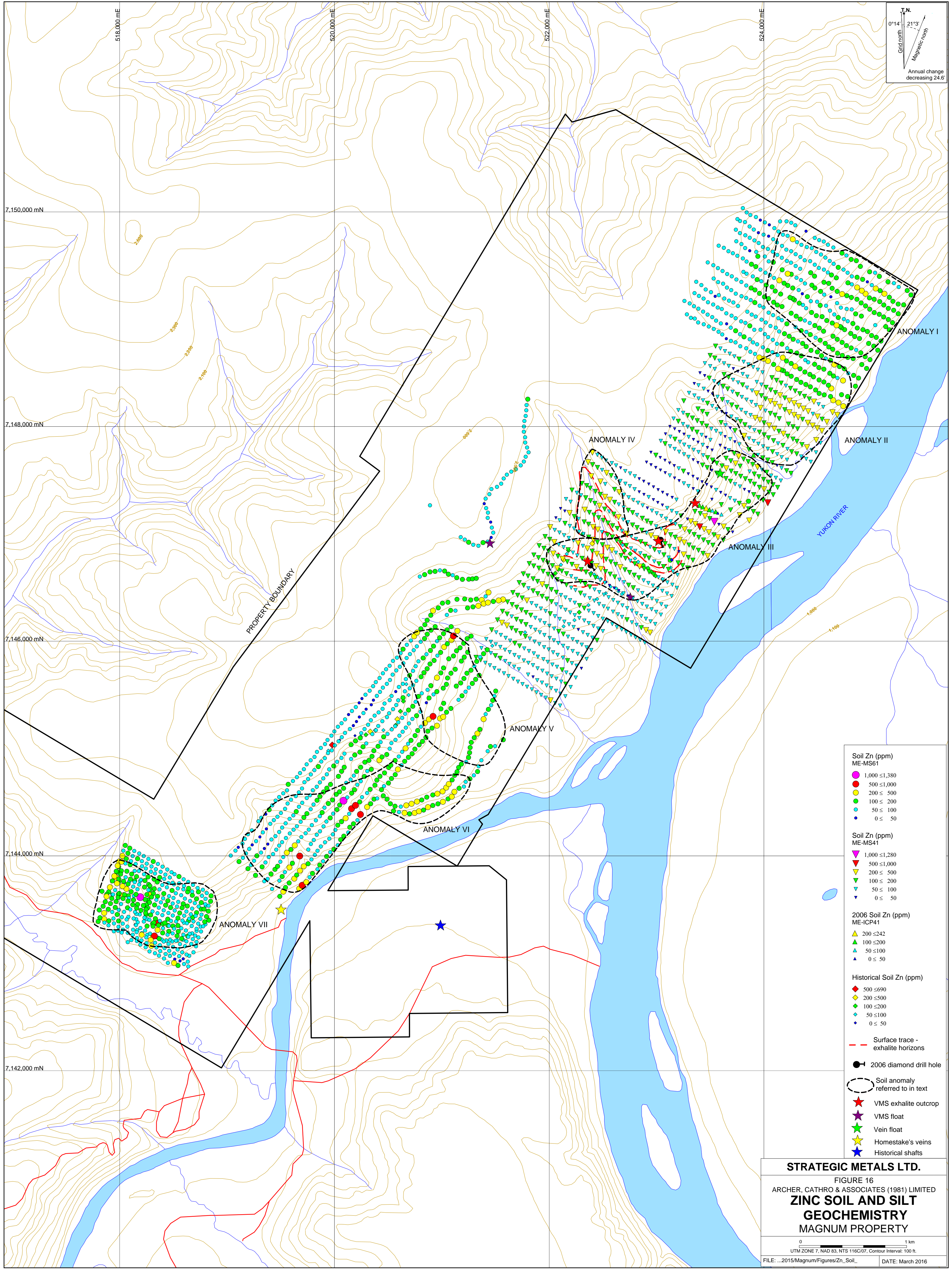
0 1 km  
 UTM ZONE 7, NAD 83, NTS 116C/07, Contour Interval: 100 ft.

FILE: ...2015/Magnum/Figures/Pb\_Soil\_ DATE: March 2016





T.N.  
 0°14' 21"3"  
 Grid north  
 Magnetic north  
 Annual change decreasing 24.6'

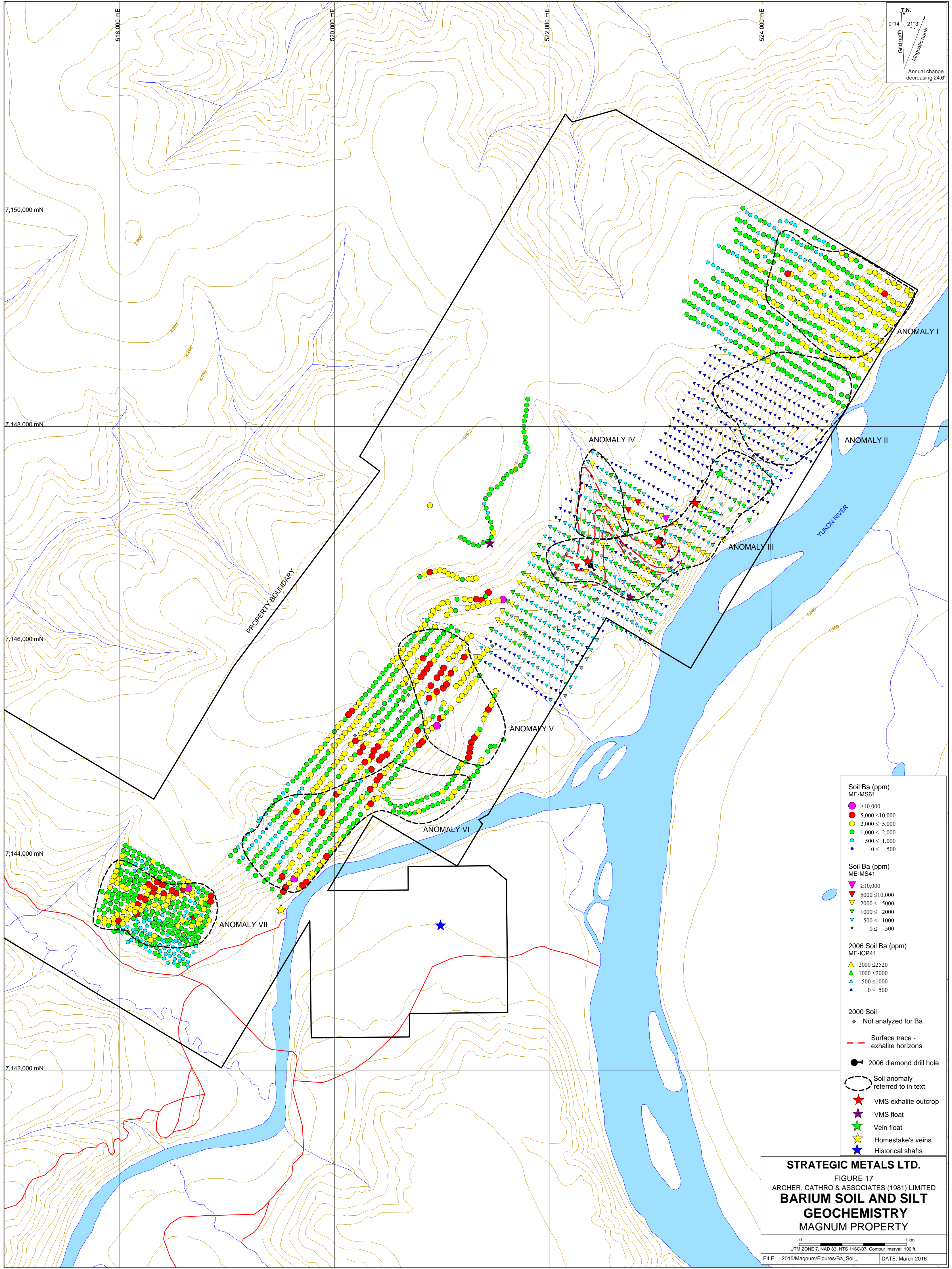


- Soil Zn (ppm)  
ME-MS61
- 1,000 ≤ 1,380
- 500 ≤ 1,000
- 200 ≤ 500
- 100 ≤ 200
- 50 ≤ 100
- 0 ≤ 50
  
- Soil Zn (ppm)  
ME-MS41
- ▼ 1,000 ≤ 1,280
- ▼ 500 ≤ 1,000
- ▼ 200 ≤ 500
- ▼ 100 ≤ 200
- ▼ 50 ≤ 100
- ▼ 0 ≤ 50
  
- 2006 Soil Zn (ppm)  
ME-ICP41
- ▲ 200 ≤ 242
- ▲ 100 ≤ 200
- ▲ 50 ≤ 100
- ▲ 0 ≤ 50
  
- Historical Soil Zn (ppm)
- ◆ 500 ≤ 690
- ◆ 200 ≤ 500
- ◆ 100 ≤ 200
- ◆ 50 ≤ 100
- ◆ 0 ≤ 50
  
- - - Surface trace -  
exhalite horizons
- 2006 diamond drill hole
- Soil anomaly  
referred to in text
- ★ VMS exhalite outcrop
- ★ VMS float
- ★ Vein float
- ★ Homestake's veins
- ★ Historical shafts

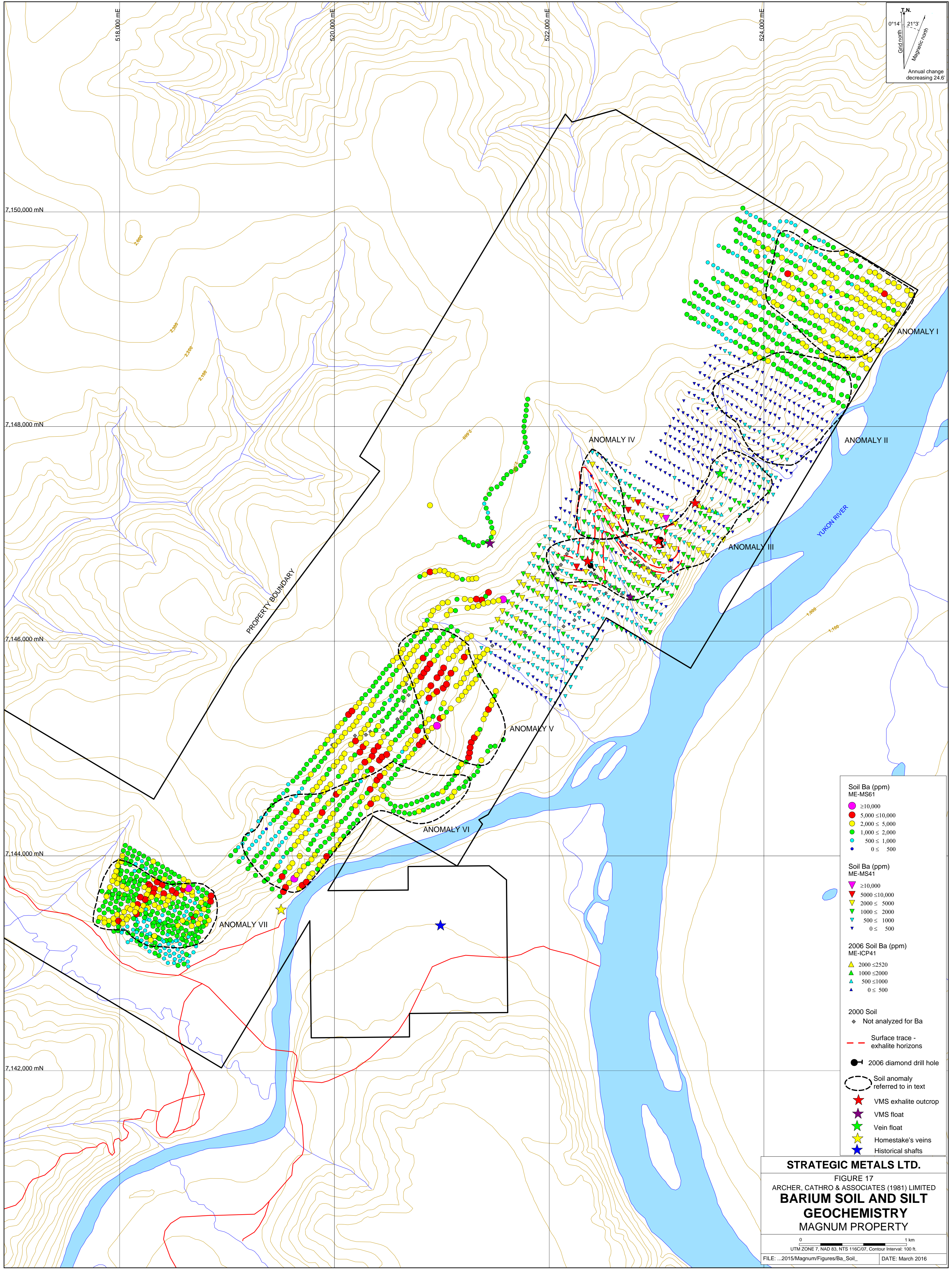
**STRATEGIC METALS LTD.**  
 FIGURE 16  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ZINC SOIL AND SILT  
 GEOCHEMISTRY**  
**MAGNUM PROPERTY**

0 1 km  
 UTM ZONE 7, NAD 83, NTS 116C/07, Contour Interval: 100 ft.  
 FILE: ...2015\Magnum\Figures\Zn\_Soil\_ DATE: March 2016





T.N.  
 0°14' 21"3"  
 Grid north  
 Magnetic north  
 Annual change  
 decreasing 24.6'

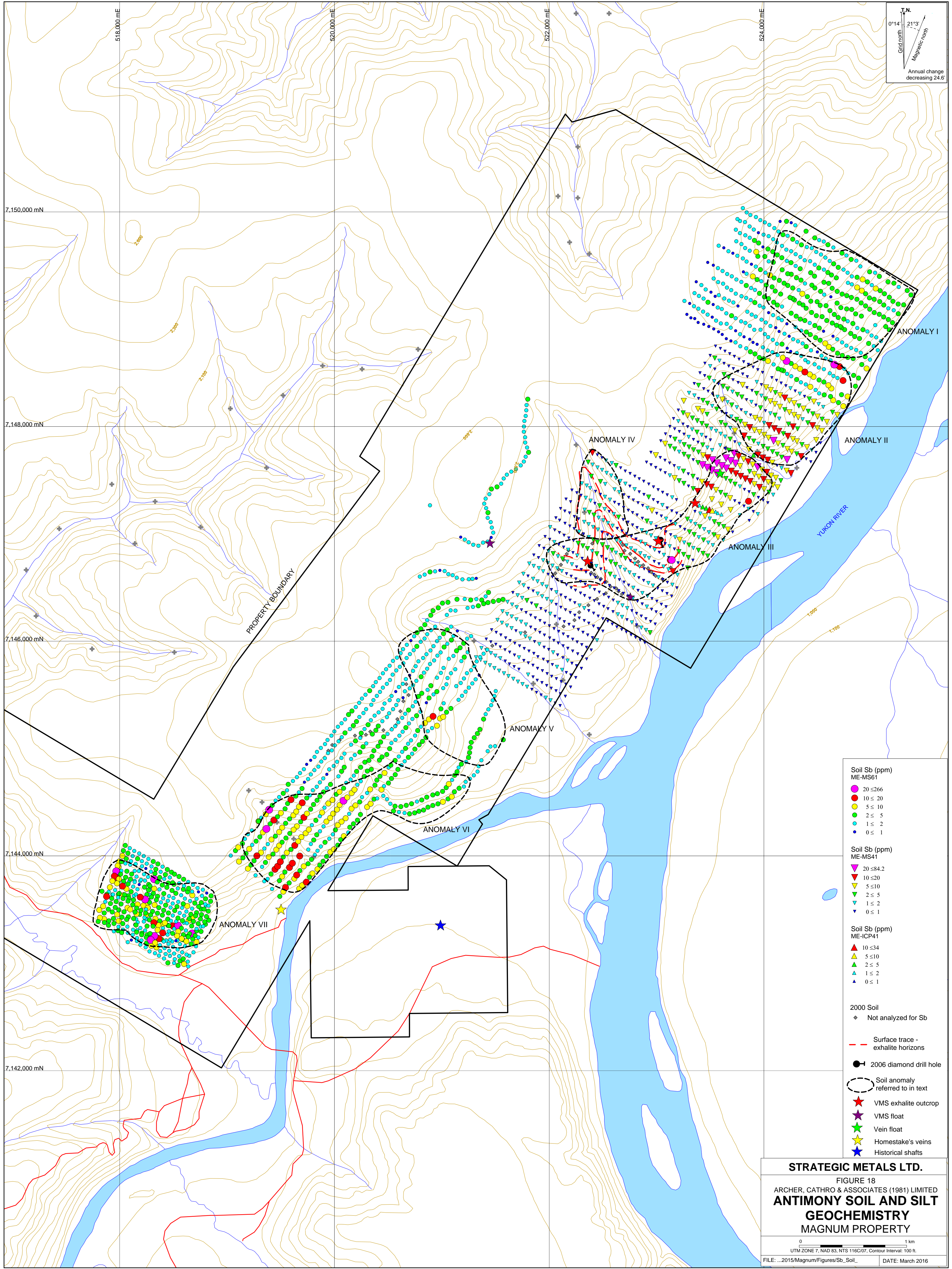


- Soil Ba (ppm)  
ME-MS61**
- ≥10,000
  - 5,000 ≤10,000
  - 2,000 ≤ 5,000
  - 1,000 ≤ 2,000
  - 500 ≤ 1,000
  - 0 ≤ 500
- Soil Ba (ppm)  
ME-MS41**
- ▼ ≥10,000
  - ▼ 5,000 ≤10,000
  - ▼ 2,000 ≤ 5,000
  - ▼ 1,000 ≤ 2,000
  - ▼ 500 ≤ 1,000
  - ▼ 0 ≤ 500
- 2006 Soil Ba (ppm)  
ME-ICP41**
- ▲ 2,000 ≤2520
  - ▲ 1,000 ≤2,000
  - ▲ 500 ≤1,000
  - ▲ 0 ≤ 500
- 2000 Soil**
- ◆ Not analyzed for Ba
- Surface trace -  
exhalite horizons
- 2006 diamond drill hole
- Soil anomaly  
referred to in text
- ★ VMS exhalite outcrop
  - ★ VMS float
  - ★ Vein float
  - ★ Homestake's veins
  - ★ Historical shafts

**STRATEGIC METALS LTD.**  
 FIGURE 17  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**BARIUM SOIL AND SILT  
 GEOCHEMISTRY**  
**MAGNUM PROPERTY**

0 1 km  
 UTM ZONE 7, NAD 83, NTS 116C/07, Contour Interval: 100 ft.  
 FILE: ...2015/Magnum/Figures/Ba\_Soil\_ DATE: March 2016





T.N.  
 0°14' 21"3"  
 Grid north  
 Magnetic north  
 Annual change decreasing 24.6'

- Soil Sb (ppm) ME-MS61**
- 20 ≤ 266
  - 10 ≤ 20
  - 5 ≤ 10
  - 2 ≤ 5
  - 1 ≤ 2
  - 0 ≤ 1
- Soil Sb (ppm) ME-MS41**
- ▼ 20 ≤ 84.2
  - ▼ 10 ≤ 20
  - ▼ 5 ≤ 10
  - ▼ 2 ≤ 5
  - ▼ 1 ≤ 2
  - ▼ 0 ≤ 1
- Soil Sb (ppm) ME-ICP41**
- ▲ 10 ≤ 34
  - ▲ 5 ≤ 10
  - ▲ 2 ≤ 5
  - ▲ 1 ≤ 2
  - ▲ 0 ≤ 1
- 2000 Soil**
- ◆ Not analyzed for Sb
- Surface trace - exhalite horizons**
- - -
- 2006 diamond drill hole**
- 
- Soil anomaly referred to in text**
- 
- VMS exhalite outcrop**
- ★
- VMS float**
- ★
- Vein float**
- ★
- Homestake's veins**
- ★
- Historical shafts**
- ★

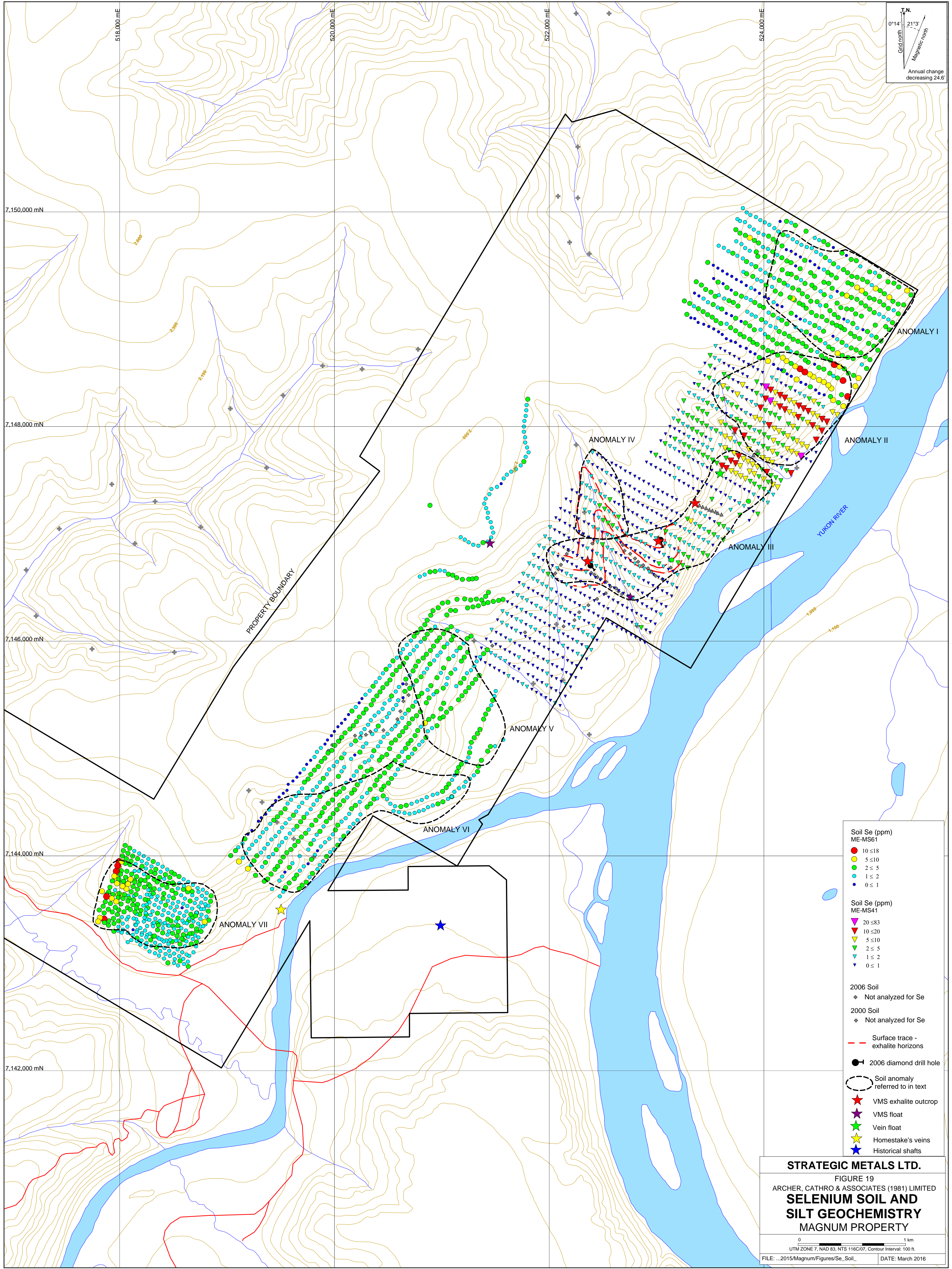
**STRATEGIC METALS LTD.**

FIGURE 18  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ANTIMONY SOIL AND SILT  
 GEOCHEMISTRY**  
 MAGNUM PROPERTY

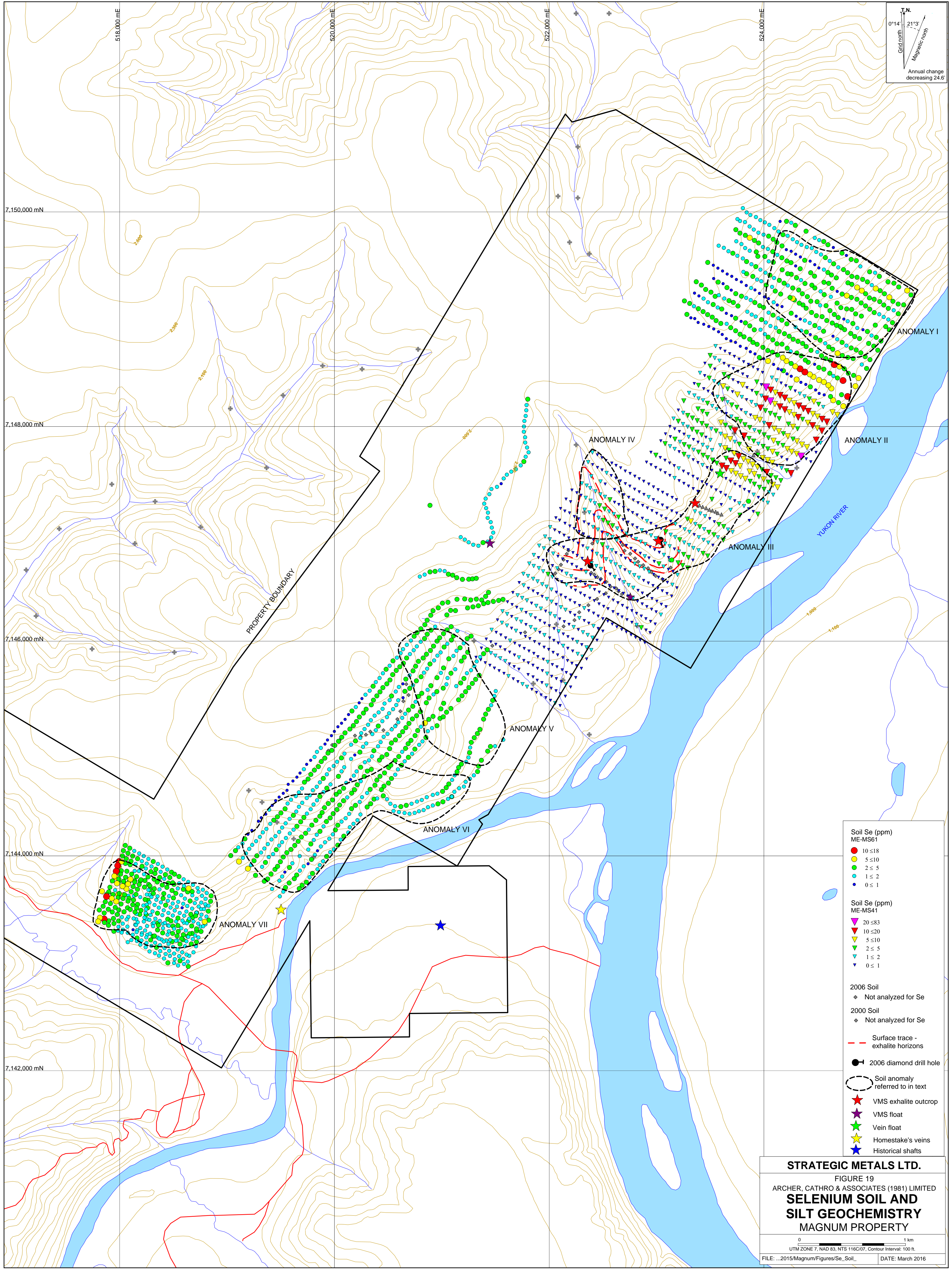
0 1 km  
 UTM ZONE 7, NAD 83, NTS 116C/07, Contour Interval: 100 ft.

FILE: ...2015\Magnum\Figures\Sb\_Soil\_ DATE: March 2016





T.N.  
 0°14' 21"3"  
 Grid north  
 Magnetic north  
 Annual change  
 decreasing 24.6'



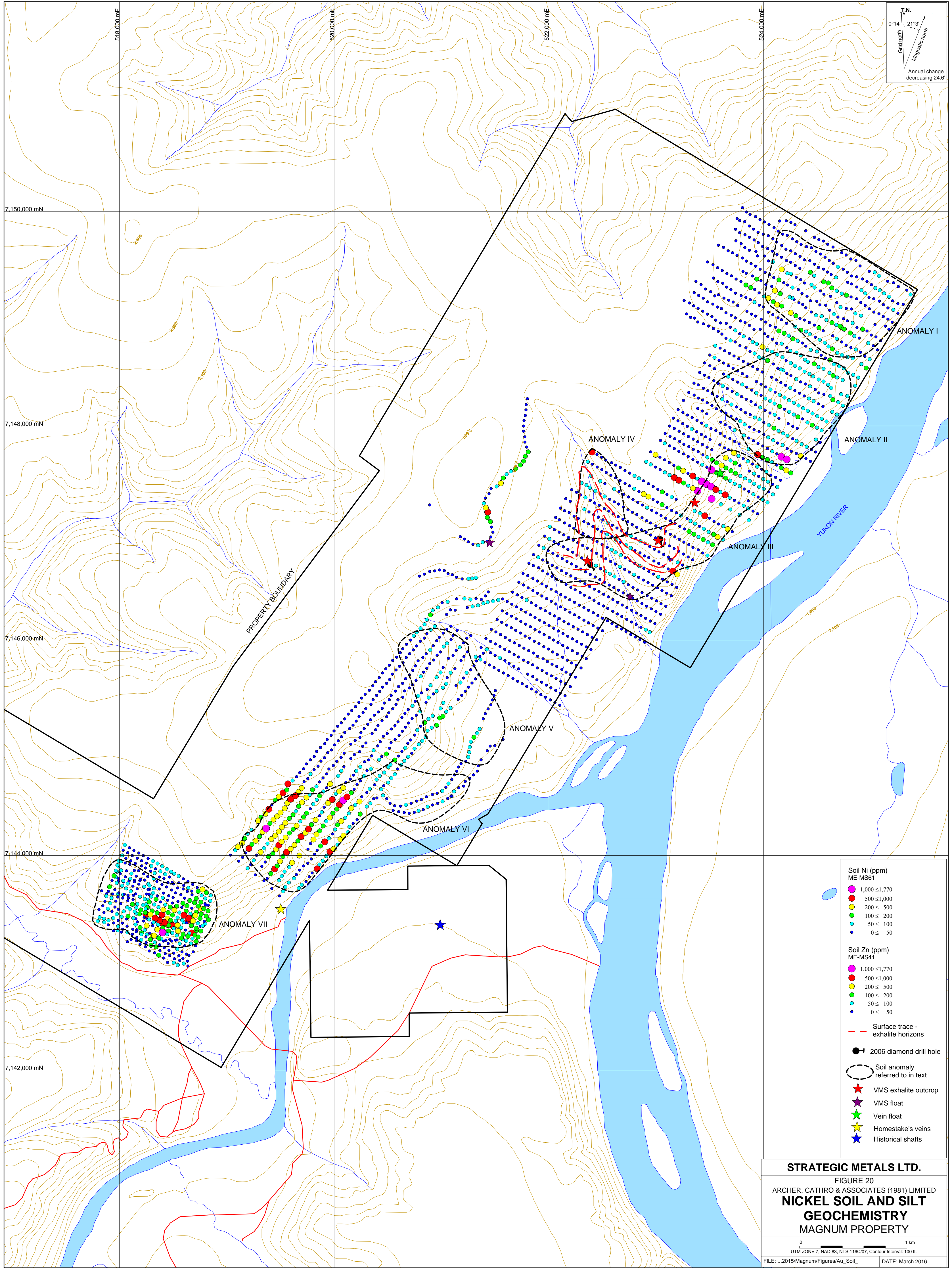
- Soil Se (ppm)**  
 ME-MS61
- 10 ≤ 18
  - 5 ≤ 10
  - 2 ≤ 5
  - 1 ≤ 2
  - 0 ≤ 1
- Soil Se (ppm)**  
 ME-MS41
- ▼ 20 ≤ 83
  - ▼ 10 ≤ 20
  - ▼ 5 ≤ 10
  - ▼ 2 ≤ 5
  - ▼ 1 ≤ 2
  - ▼ 0 ≤ 1
- 2006 Soil**
- ◆ Not analyzed for Se
- 2000 Soil**
- ◆ Not analyzed for Se
- Surface trace -  
 exhalite horizons
- 2006 diamond drill hole
- Soil anomaly  
 referred to in text
- ★ VMS exhalite outcrop
- ★ VMS float
- ★ Vein float
- ★ Homestake's veins
- ★ Historical shafts

**STRATEGIC METALS LTD.**  
 FIGURE 19  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**SELENIUM SOIL AND  
 SILT GEOCHEMISTRY**  
**MAGNUM PROPERTY**

0 1 km  
 UTM ZONE 7, NAD 83, NTS 116C/07, Contour Interval: 100 ft.

FILE: ...2015\Magnum\Figures\Se\_Soil\_ DATE: March 2016





T.N.  
 0°14' 21"3"  
 Grid north  
 Magnetic north  
 Annual change decreasing 24.6'

7,150,000 mN  
 7,148,000 mN  
 7,146,000 mN  
 7,144,000 mN  
 7,142,000 mN

518,000 mE  
 520,000 mE  
 522,000 mE  
 524,000 mE

PROPERTY BOUNDARY

YUKON RIVER

ANOMALY I

ANOMALY II

ANOMALY IV

ANOMALY III

ANOMALY V

ANOMALY VI

ANOMALY VII

- Soil Ni (ppm)**  
 ME-MS61
- 1,000 ≤ 1,770
  - 500 ≤ 1,000
  - 200 ≤ 500
  - 100 ≤ 200
  - 50 ≤ 100
  - 0 ≤ 50
- Soil Zn (ppm)**  
 ME-MS41
- 1,000 ≤ 1,770
  - 500 ≤ 1,000
  - 200 ≤ 500
  - 100 ≤ 200
  - 50 ≤ 100
  - 0 ≤ 50
- Surface trace - exhalite horizons
  - 2006 diamond drill hole
  - Soil anomaly referred to in text
  - ★ VMS exhalite outcrop
  - ★ VMS float
  - ★ Vein float
  - ★ Homestake's veins
  - ★ Historical shafts

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

0 1 km  
 UTM ZONE 7, NAD 83, NTS 116C/07, Contour Interval: 100 ft.

FILE: ...2015/Magnum/Figures/Au\_Soil\_ DATE: March 2016