

**Ministry of Energy, Mines & Petroleum Resources**  
Mining & Minerals Division  
BC Geological Survey

**Assessment Report  
Title Page and Summary**

TYPE OF REPORT [type of survey(s)]: MMI Soil Geochemistry

TOTAL COST: \$26,155.00

AUTHOR(S): David G Mark SIGNATURE(S): \_\_\_\_\_

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): \_\_\_\_\_ YEAR OF WORK: 2015

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): SOW #5565958 dated August 11, 2015

PROPERTY NAME: Ashton Project

CLAIM NAME(S) (on which the work was done): 537357, 537359, 369944

COMMODITIES SOUGHT: copper, gold,

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: \_\_\_\_\_

MINING DIVISION: Kamloops NTS/BCGS: 92I/03, 92I/06

LATITUDE: 50 ° 14 ' 55 " LONGITUDE: 121 ° 23 ' 38 " (at centre of work)

OWNER(S):

1) Sitka Holdings Ltd. 2) \_\_\_\_\_

MAILING ADDRESS:

1402 - 1500 Haro Street

Vancouver, BC, V6G 1G5

OPERATOR(S) [who paid for the work]:

1) Houston Minerals Inc. 2) \_\_\_\_\_

MAILING ADDRESS:

1402 - 1500 Haro Street

Vancouver, BC, V6G 1G5

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Triassic to Jurassic, Mount Lytton Complex overlain by Late Cretaceous volcanic and sedimentary rocks of the Spences Bridge group.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: #32,430

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
<b>GEOLOGICAL (scale, area)</b>			
Ground, mapping	_____	_____	_____
Photo interpretation	_____	_____	_____
<b>GEOPHYSICAL (line-kilometres)</b>			
<b>Ground</b>			
Magnetic	_____	_____	_____
Electromagnetic	_____	_____	_____
Induced Polarization	_____	_____	_____
Radiometric	_____	_____	_____
Seismic	_____	_____	_____
Other	_____	_____	_____
<b>Airborne</b>			
_____	_____	_____	_____
<b>GEOCHEMICAL (number of samples analysed for...)</b>			
Soil	209	537357,537359,369944	\$26,155.00
Silt	_____	_____	_____
Rock	_____	_____	_____
Other	_____	_____	_____
<b>DRILLING (total metres; number of holes, size)</b>			
<b>Core</b>			
_____	_____	_____	_____
<b>Non-core</b>			
_____	_____	_____	_____
<b>RELATED TECHNICAL</b>			
Sampling/assaying	_____	_____	_____
Petrographic	_____	_____	_____
Mineralographic	_____	_____	_____
Metallurgic	_____	_____	_____
<b>PROSPECTING (scale, area)</b>			
_____	_____	_____	_____
<b>PREPARATORY / PHYSICAL</b>			
Line/grid (kilometres)	_____	_____	_____
Topographic/Photogrammetric (scale, area)	_____	_____	_____
Legal surveys (scale, area)	_____	_____	_____
Road, local access (kilometres)/trail	_____	_____	_____
Trench (metres)	_____	_____	_____
Underground dev. (metres)	_____	_____	_____
Other	_____	_____	_____
		<b>TOTAL COST:</b>	\$26,155.00

**EXPLORATION REPORT**  
**ON**  
**MMI SOIL GEOCHEMISTRY SURVEY**  
**WITHIN THE**  
**ASHTON PROJECT**  
**NICOAMEN RIVER, LYTTON AREA**  
**KAMLOOPS MINING DIVISION, BRITISH COLUMBIA**

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**LOCATED:** 15 km east of the village of Lytton  
50° 14' North Latitude, and 121° 23' West Longitude  
NTS: 921/03, 06

**WRITTEN FOR:** **HOUSTON MINERALS LTD.**  
**SITKA HOLDINGS LIMITED**  
Suite 1402, 1500 Haro Street  
Vancouver, British Columbia  
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**DATED:** July 3<sup>rd</sup>, 2015

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	<b>Copper, Arsenic, Molybdenum, Silver, Gold,</b>	<b>Copper, Nickel Lead Zinc, Cobalt, Cerium,</b>
Line 3900 N	H1A	H1B
Line 4000 N	H2A	H2B
Line 4100 N	H3A	H3B
Line 4200 N	H4A	H4B
Line 4300 N	H5A	H5B
Line 4400 N	H6A	H6B
Line 4500 N	H7A	H7B
Line 67300 N	H8A	H8B
Line 67400 N	H9A	H9B
Line 67500 N	H10A	H10B
Line 67600 N	H11A	H11B
Line 67700 N	H12A	H12B
Line 67800 N	H13A	H13B
<b>MMI PLAN MAPS</b>		
Silver	GC-1	
Arsenic	GC-2	
Gold	GC-3	
Cerium	GC-4	
Cobalt	GC-5	
Copper	GC-6	
Molybdenum	GC-7	
Nickel	GC-8	
Lead	GC-9	
Zinc	GC-10	

## **1 SUMMARY**

MMI (mobile metal ion) soil sampling was carried out on the Ashton Project during the latter part of February, 2015. The survey was an extension of MMI soil sampling done in 2006, 2007, 2009 and 2012. The property is located approximately 19 km east of the village of Lytton and approximately 45 km northwest of the city of Merritt within the Kamloops Mining Division of B.C.

The main purpose of exploration on this property is to locate sulphide mineralization in the style of a porphyry copper deposit. Hydrothermal gold mineralization may also exist on the property and thus this is also an exploration target.

The 2015 MMI survey consisted of 209 samples along 6 lines over 10,150 meters. These were bagged and sent to SGS Laboratories in Burnaby, BC, for analysis where they were tested for 53 elements. The results for ten of these, namely, silver, arsenic, gold, cobalt, copper, molybdenum, nickel, lead, and zinc were divided by their respected mean background values to obtain a value called a response ratio. Two stacked histograms for each line were then made of the response ratios. Ten plan maps were also made, respectively for each of these ten elements using the laboratory results.

## **2 CONCLUSIONS**

The results reveal a large copper-cobalt anomaly, labeled the Ashton Anomalous Zone, striking in a north-northwesterly direction with a minimum strike direction of 1500 meters open in both directions, and a width of up to 1500 meters. Gold, silver, and arsenic anomalous values occur within this zone but mainly along the eastern side and within its southern part. Molybdenum anomalous values also occur along the eastern boundary. The Ashton Anomalous Zone is interpreted to be reflecting a porphyry copper deposit with gold and silver values as well as molybdenum mineralization along its eastern boundary. The cobalt mineralization may be reflecting pyrite containing cobalt within its crystals.

A zinc anomalous area occurs within the southern part of the Ashton Anomalous Zone and to its immediate south which is a typical signature of a porphyry copper deposit. Gold-silver-arsenic anomalous values also occur to the south which could be reflecting hydrothermal gold-silver mineralization which is also typical of copper porphyry deposits.

Three cerium-nickel anomalies occur within the survey area. Two of these occur to the immediate east and to the immediate south, respectively, of the Ashton Anomalous Zone and are interpreted to be reflecting andesitic volcanic rocks. These two anomalies are also characterized by relatively low values in copper and gold. The third cerium nickel anomaly occurs within the north central part of the

Ashton Anomalous Zone and is also characterized by lower values in copper and gold, but not as low as the other two cerium-nickel anomalies. It is, therefore, interpreted to be reflecting a capping of the andesitic volcanic rocks overlying the suggested porphyry copper mineralization.

### **3 RECOMMENDATIONS**

Geological mapping should be carried out over the entire property. It is recognized that much of the property is overburden covered with little outcrop, but what little there is should be mapped since any increase in the understanding of the property's geology will prove to be very helpful in the exploration for a porphyry copper deposit.

The MMI soil sampling, in order to better define the Ashton Anomalous Zone in terms of size and shape, should be continued as follows:

- A) Fill in the missing 3 lines between the 2007-2012 work and the 2015 work.
- B) Extend the survey to the north by an additional 600 meters.
- C) Extend the 2007-2012 seven lines 500 meters to the east.
- D) Extend the 2015 six lines 500 meters to the west

This should be followed by induced polarization (IP) and resistivity surveying in order to determine whether sulphides are the causative source of the Ashton Anomalous Zone, and therefore, also the depth and shape of the causative source. This would also provide more optimum drill targets.

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**4 INTRODUCTION and GENERAL REMARKS**

This report discusses survey procedure, compilation of data, interpretation methods, and the results of MMI soil sampling carried out on the Ashton Project which is located due east of Lytton, BC, and is owned by Sitka Holdings Limited. The property is owned by Sitka Holdings Limited but the operator of the property, that is the company that paid for the work, is Houston Minerals Inc.

The exploration work was carried out by a Geotronics Consulting crew of two men, supervised by the writer, during the period of February 22<sup>nd</sup> to 28<sup>th</sup>, 2015. The amount of work consisted of 209 samples along six lines for a total survey distance of 10,150 meters. This work is a follow-up to recommendations made in the writer's previous report on 2012 MMI sampling. The

The main purpose of exploration on this property is to locate sulphide mineralization in the style of a porphyry copper deposit. Hydrothermal gold mineralization may also exist on the property and thus this is also an exploration target.

The purpose of the MMI soil sampling is to look for mineralization directly. MMI stands for mobile metal ions and describes ions, which have moved in the weathering zone and that are weakly or loosely attached to surface soil particles. MMI, which requires special sampling and testing techniques, are particularly useful in responding to mineralization at depth probably in excess of 700 meters. It also is not affected by glacial till, while standard soil sample techniques are. MMI is characterized in having a high signal to noise ratio and therefore can provide accurate drill targets. However, it may also move along fault lines and therefore could show the causative source to be laterally moved from where it actually is.

Sections of this report are taken from Peter Read's 2011 report (ARIS #32,430).



## 5 PROPERTY and OWNERSHIP

The Ashton Project is a mineral exploration property that is comprised of 7 mineral claims covering a total area of 1,429 hectares as described as follows and as shown on fig. 3.

<u>Tenure Number</u>	<u>Type</u>	<u>Claim Name</u>	<u>Good Until</u>	<u>Area (ha)</u>
369944	Mineral	REBECCA 2	20160817	375
537356	Mineral		20150817	186.014
537357	Mineral		20150817	227.281
537358	Mineral		20150817	144.62
537359	Mineral		20150817	413.333
537360	Mineral		20150817	62
598590	Mineral	FINAL 1	20170817	20.6701
<b>TOTAL AREA</b>				<b>1,428.9181</b>

The property is owned by Sitka Holdings Limited of Vancouver, British Columbia.

## 6 LOCATION AND ACCESS

In southern British Columbia, the Ashton Project lies approximately 170 km in a direct line northeast from Vancouver. It is about 19 km south of Spences Bridge on the east bank of the Thompson River where the river turns sharply from south-flowing to west-flowing towards Lytton at the confluence of the Thompson and Fraser rivers. The property adjoins and lies directly south of the Nicoamen #1 Indian Reservation, which straddles the mouth of Nicoamen River, and extends to or slightly beyond the height of land near the southern boundary of the property.

The northern boundary of the property lays a few hundred metres south of the Trans-Canada Highway and the mainline of the Canadian Pacific Railway. Near the mouth of the Nicoamen River, an unmaintained, gravel forestry access road, twists uphill to the south, bisects the property and provides access to branch roads that range from drivable to walkable with difficulty. This road system provides ready access to the areas of geochemical and geophysical anomalies.

## 7 PHYSIOGRAPHY

The claims cover an area of moderate to steep topographical relief. The central and western part of the claims are traversed by a multiple switchback road that

climbs the east side of the Thompson River canyon rising from the canyon bottom at 213 m (700 feet) elevation to a saddle between two peaks at 1,070 m (3,500 feet) elevation within a distance of 3.2 km (2 miles). This represents an average mountain slope of about 25%. Locally, the relief is moderate to steep, yet relatively accessible on old logging roads by foot from the main switchback road. Off-road travel requires extra exertion to negotiate the steep slopes. The steeper slopes are covered with scree and/or talus. Depth of overburden in the 1993 drilled area ranged between 3 m to 8 m in the area of Porphyry 1 between Lines 4600 North and 5100 North and west of Station 300 East. Northwesterly from that area, at Line 5300 North, Station 400 East, the depth of overburden is 40 m.

The area of interest is part of the Cascade Mountains which are separated from the Coast Mountains to the west by the Fraser River. The Thompson River meets the Fraser River at Lytton about 13 km (8 miles) west from the property.

The Cascade Mountains are lower and less rugged than the Coast Mountains and generally consist of rolling and rounded summits, which is the case at the higher elevations on this property.

Generally, southern and western exposures on the property tend to be more open and easier to traverse, whereas northern and eastern slopes, and ravines, are much more heavily wooded. The area of interest on the property is a combination of westerly and northerly facing slopes that in places are open and in places are difficult to negotiate. Where old growth logging has occurred, new growth is represented by denser deciduous trees and in places dense underbrush makes it difficult to traverse.

Conifer species in the area include Douglas fir, Balsam fir, spruce, and lodge pole pine.

Outcrop is generally lacking throughout the area of interest, so trenching is required to access the bedrock for mapping and sampling. Exposed outcrop over the entire property is estimated at not more than 10% of the surface area.

Overburden found in the percussion drill hole program of 1993 ranged in depth from 3 m to 40 m.

## **8 PREVIOUS WORK**

The first recorded exploration work in part of the area now occupied by the Ashton Project was a soil geochemical survey for copper by Burgoyne (1969). It outlined a large area of anomalous copper in soils. Antal (1969) extended the copper soil geochemical survey area, reported on four trenches, apparently did some geological mapping and concluded that the area had the potential for hosting a large low-grade copper deposit at depth. W. F. Filipek and Associates of Alberta were believed to be the claim owners.

In 1989 and 1990, Ashton (1990) carried out a very low frequency electromagnetic (VLF-EM) survey over the northern half of the copper anomaly area outlined by Burgoyne and Antal between lines 5000N and 6400N. This work outlined a prominent north-striking magnetic anomaly between lines 5300N and 5700N with a maximum amplitude response of 5,600 gammas above background. The half-space dimension of this anomaly is about 500 m north-south by 200 m east-west. The claim owner was now Sylvia Apchkrum.

In 1992 Kingston Resources Ltd. optioned the property from the recorded owner S.E. Apchkrum, and Smith (1993a; 1993b) carried out geochemical sampling and a limited mapping program to confirm the copper anomaly discovered by Burgoyne. In addition, they sampled areas farther to the west and southwest of the original anomalous area enlarging it but leaving it open to the north. Kingston Resources then used an induction polarization survey over part of the copper anomaly focused on the altered diorite (Smith, 1993b). As a result of discovering a significant induced polarization chargeability anomaly coinciding with the copper anomaly and altered diorite, the company undertook a seven-hole reverse circulation drilling program totaling 816 m.

In 1999, a deep-probe IP survey showed a very strong conductivity anomaly at 120 m depth below the coincident VLF-EM and copper-in-soil anomalies. The conductor was estimated to be about 100 m thick and dip about 40°E (\*\*). The claims were owned by Sylvia Apchkrum and J. M. Ashton.

Magnetic surveying in 2001 extended the 1990 survey further to the south to cover the northern half of the 1999 IP chargeability anomaly. This survey showed anomalous magnetic results of various widths trending north.

In 2004 a second reconnaissance deep-probe IP survey similar to the 1999 survey was completed in an east to west direction across the 4,000 gamma magnetic anomaly. This line was 425 m north and parallel to the 1999 deep-probe east-west IP line. The results showed significant chargeability anomalies (indicating disseminated sulphides) on both sides of the magnetic anomaly extending to a penetration depth of 420 m. The claims were held by record by J. M. Ashton.

In 2006, arsenic in-soils geochemical data from the 1993 soil survey were plotted. Arsenic anomalies were found adjoining the copper-vanadium anomaly to the south. Follow-up prospecting in this area along with rock sampling showed anomalous gold pathfinder elements Te, Hg, As, Sb, Se and Ag. These results led to a multi-element Mobile Metal Ion (MMI) geochemical survey over two lines to the south of the 1992 copper-vanadium anomaly.

In 2007 an additional three lines of MMI sampling extended the MMI surveying a further 300 m to the south from the 2006 survey. As for the 2006 survey,

samples were taken every 50 m along east-west survey lines of 1.4 km in length with 100 m line spacing for a total of five lines sampled. The total area covered in the combined 2006 and 2007 MMI surveys was 560,000 m<sup>2</sup>. The target element was gold. The areal extent of anomalous MMI gold was found to be 450,000 m<sup>2</sup> in two large anomalies. The central area of each contains anomalous arsenic. As of 2007, all of the claims were held by record by Sitka Holdings Ltd.

In 2009, additional total field magnetic surveying provided further coverage of the area of interest to the south. A small amount of self-potential surveying was also completed.

## **9 GEOLOGY**

### **9.1 REGIONAL**

As described by S.W. Smith, Geologist, in his 1993 Assessment Work Report, the property straddles the boundary between the older Upper Triassic Mount Lytton Complex on the west side and the younger Middle to Upper Cretaceous Spences Bridge Group on the east.

The oldest rocks which are part of the Mount Lytton Complex occupy the area to the west of the property and may underlie the property to some extent. These are layered quartz-feldspathic orthogneisses, mafic to dioritic volcanics, and metasediments. Monger (2001) states that the Mount Lytton Complex in this area is overlain stratigraphically by, and elsewhere faulted against continental arc and intraplate volcanics of the 104 Ma Spences Bridge Group. According to Gale (1992) in a personal communication with Monger, Monger believes the limy rocks on the property are part of the Mount Lytton Complex and whether they are part of this oldest unit or are somewhat younger is still to be determined.

The Mount Lytton Complex has been interpreted by Monger to be part of the roots of the Late Triassic Nicola arc. The complex is fault-bounded, on the west by the Fraser River fault system, and on the east by normal faults along the Thompson River. The Mount Lytton Pluton that is part of the complex has been age-dated at 212 ± Ma (Parrish and Monger, 1992), which is very close to some dates reported from the central Guichon Batholith, which is located about 40 km to the northeast and contains the world-class Highland Valley ore bodies. Parrish and Monger interpret the Mount Lytton Complex and Guichon Batholith bodies to be part of the Upper Triassic magmatic arc complex that characterizes Quesnellia terrane, but state that they were probably emplaced at different structural levels, as suggested by their contrasting settings.

Monger speculates that the major structures that form the Guichon Batholith and the Mount Lytton Complex are related to early Mesozoic subduction/arc activity; those in the Guichon Batholith having formed in the upper part of the upper plate and those in the Mount Lytton Complex having formed in the lower part of the upper plate.

Gale (1993) believed the most interesting feature of the regional geology is the pronounced east-west structural grain of the Triassic rocks east of Lytton which appears to be abruptly terminated at its eastern end by one or more north-south faults along and parallel to the Thompson River. It is at the junction of these two strong structures that the Ashton Property is located. He also states that the series of north-south faults along the Thompson River are parallel to and probably similar in age to those along the Fraser River which are thought to be Early Tertiary in age.

Middle and Upper Cretaceous Spences Bridge Group rocks appear to unconformably overly rocks of the older Mount Lytton complex comprised of limy volcanics and limy sediments on the east side of the property. Here the Spences Bridge Group consists of an unaltered upper reddish coloured andesitic volcanic and may include locally felsic and mafic flows and pyroclastics along with sandstone, shale and conglomerate beds. A major fault passes through the Spences Bridge Group on the east central part of the property and/or may represent the boundary between the Mount Lytton Complex and the Spences Bridge Group.

However, exploration work conducted on the property from 1994 through to 1999, and in 2004, indicates that the property geology, a component of the regional picture, appears to be distinctively different from its contiguous neighbours, the Mount Lytton Complex to the west and the Spences Bridge Group to the east, yet similar to the rocks to the north of the property across the Thompson River. These were mapped by Brown (1981) as layered quartzo-feldspathic rocks in contact with weakly foliated plutonic zones ranging from tonalite through to diorite to gabbro.

This similarity was noted by Reid (1995) as a result of his thin section studies of rock chips recovered from a drilling part of the intrusive complex on the property. Reid concluded that rock types similar to those that Brown identified north of the property also underlie the property.

Monger shows the rocks mapped by Brown to the north of the property as younger granodiorite-quartz monzonite intrusions of the Mount Lytton Batholith

Thin section work by Reid (1995) shows that the intrusive rocks on the property are similar to those identified by Brown north of the property. The intrusive complex may share some similarities to both the dioritic and

amphibolitic intrusions in the Mount Lytton Batholith and to the tonalite intrusions found associated with the younger granodiorite-quartz monzonite intrusions to the northwest of the property across the Thompson River.

## **9.2 PROPERTY GEOLOGY**

The most recent regional geological mapping is that of Monger and McMillian (1989) which shows the property lies at the northeast corner of the Triassic to Jurassic Mount Lytton Complex where the Late Cretaceous volcanic and sedimentary rocks of the Spences Bridge Group nonconformably overlie the complex. On the property, the units of the complex and overlying rocks are described in order of decreasing age.

### **9.2.1 Marble and Skarn (unit Is)**

Marble and skarn form a few road cuts along the forestry access road near the pass at 1080 m and a precipitous cliff forming peak 1191m near the southern edge of the property. An old trench north-northwest of peak 1191m exposes a north-trending sliver of marble. Skarn also occurs in the following reverse circulation holes: RCA93-1 at 390-430', RCA93-4 at 80-100', RCA93-5 at 120-150' and 340-400' (Read, 1999).

Typically the unit consists of light grey weathering, white crystalline (1-2 mm) marble. Here and there streaks of red-brown andradite garnet and pale green diopside develop giving rise to a skarn. The thin-sectioned rock chips from the reverse-circulation holes indicate that wollastonite and tremolite-actinolite are part of the skarn assemblages.

The few bedding measurements strike northwesterly and are subvertical in dip. Only the bedding in the northernmost outcrop strikes north and dips steeply to the west. This attitude is consistent with the geophysical anomalies, which lie in an overburden covered area to the north.

The age and correlation of the unit are unknown, but it may be part of the Nicola Group of Middle and Late Triassic. In view of the metamorphism of the rocks, a correlation with Lower Jurassic limestone of the Ashcroft Formation of post-Guichon Batholith age is less likely. Rocks of both units outcrop in Venables Creek about 30 km north of the property.

### **9.2.2 Hornblende/Pyroxene Diorite/Gabbro (unit Tjld)**

In the southwest corner of the property, road cuts expose this unit where it is free of felsite dikes and alteration. Elsewhere on the property, it outcrops on along a few of the old logging roads and trenches to the west of the forestry access road in the southern half of the property.

Where fresh, the rocks are medium-grained (2 to 4 mm) hornblende and/or pyroxene diorite or gabbro. Some of the pyroxene gabbro has up to 5% accompanying biotite. Although not seen in outcrop, the reverse-circulation holes

indicate that pyroxenite and hornblendite are also present (Read, 1999). Where altered, the mafic minerals are chloritized with tremolite-actinolite developed and the plagioclase is epidotized and converted to albite. In one thin-sectioned sample, tourmaline forms 20% of the rock (Read, 2000). The unit is usually altered close to the forestry access road where it is felsite-diked.

Although these rocks are not radiometrically dated in the area, they are cut southwest of here by granodiorite with a zircon U-Pb age  $212 \pm 1$  Ma (Parrish and Monger, 1992), which is similar to the Guichon Batholith. The presence of intruded marbles, probably correlative to the Nicola Group, imply that these intrusions can be no older than Middle to Late Triassic.

### **9.2.3 Felsite (unit RJf)**

West of the forestry access road, a few old logging road cuts expose felsite. The rocks are light grey to cream and aphanitic. Also included is a quartz-eye felsite porphyry dike. The age of the unit is uncertain and could range from Early Jurassic to as late as Middle to Late Cretaceous, if they represent feeders to the flows of the Spences Bridge Group.

### **9.2.4 Spences Bridge Group - Pimainus Formation (UKSB)**

Where the forestry access road zigzags uphill to the south, the road cuts in the upper half, before the pass, expose andesite and dacite flows. Cliffs extend eastward and span Nicoamen River valley to the eastern edge of the property. Near the southern edge of the property, flows cap at least one high point.

The flows are amygdaloidal with quartz, calcite, prehnite and zeolites forming the amygdules. The grey to brown flows are aphyric to plagiophyric and locally show platy jointing. The flows forming the cap are aphanitic and nonamygdaloidal andesite and dacite.

On the property, the platy jointing attitudes show that the rocks of the Spences Bridge Group dip gently to the northeast consistent with the trace of the unexposed contact of the Spences Bridge Group against the underlying rocks. This contact is exposed to within 5 m on the right bank of Nicoamen River a few hundred metres upstream from the TransCanada Highway where it shows no signs of faulting (station AC6b). The most likely interpretation of the nature of the contact between the Spences Bridge Group and the underlying rocks is that it represents an unconformity or nonconformity with significant paleo-relief, rather than the faulted boundary shown by Monger and McMillian (1989).

## **10 MMI SOIL SAMPLING**

### **10.1 SAMPLING PROCEDURE**

The 2015 work was carried out by a 2-man crew under supervision of the writer. The MMI survey consisted of 209 samples over 6 lines (67300N to 67800N) covering 10,150 meters. The line spacing was 100 meters and the

sample spacing was 50 meters. The 2015 work was an extension of MMI soil sampling carried out in 2006, 2007, and 2012. The total previous work consisted of 181 samples over 7 lines (3900N to 4500N) with a line spacing of 100 meters and a sample spacing of 50 meters. The previous surveys covered 8,700 meters.

The 2015 soil sample lines and stations were put in using UTM-based coordinates by using GPS hand-held instruments, whereas the previous sampling was carried out along an established grid with compass and hip chain. The purpose of changing to the UTM-based coordinates was to more accurately locate the sample spots.

The sampling procedure was to first remove the organic material from the sample site ( $A_0$  layer) and then dig a pit over 25 cm deep with a shovel. Sample material was then scraped from the sides of the pit over the measured depth interval of 10 centimeters to 25 centimeters. About 250 grams of sample material was collected and then placed into a plastic Zip-loc sandwich bag with the sample location marked thereon. The 209 samples were then packaged and sent to SGS Minerals located at Production Way, Burnaby, BC.

## **10.2 ANALYTICAL METHODS**

At SGS Minerals, the testing procedure begins with weighing 50 grams of the sample into a plastic vial fitted with a screw cap. Next is added 50 ml of the MMI-M solution to the sample, which is then placed in trays and put into a shaker for 20 minutes. (The MMI-M solution is a neutral mixture of reagents that are used to detach loosely bound ions of any of the 53 elements from the soil substrate and formulated to keep the ions in solution.) These are allowed to sit overnight and subsequently centrifuged for 10 minutes. The solution is then diluted 20 times for a total dilution factor of 200 times and then transferred into plastic test tubes, which are then analyzed on ICP-MS instruments.

Results from the instruments for the 53 elements are processed automatically, loaded into the LIMS (laboratory information management system which is computer software used by laboratories) where the quality control parameters are checked before final reporting.

## **10.3 COMPILATION OF DATA**

Ten elements, or metals, were chosen out of the 53 reported on, these were silver, arsenic, gold, cerium, cobalt, copper, molybdenum, nickel, lead, and zinc. This data was combined with the data from the previous work resulting in a total of 390 samples. Cerium is used as an indicator of acidic intrusives, besides as part of an exploration tool for rare earths. Nickel is used as an



indicator of basic intrusives besides as part of an exploration tool for nickel mineralization.

The mean background value was calculated for each of the elements and this number was then divided into the reported value for that metal to obtain a figure called the response ratio. Two stacked histograms were then made of the response ratios for each of the 13 lines as shown on figures #H1A through to #H13B, inclusive, for a total of 26. The first stacked histogram, which ends in 'A', includes copper, gold, silver, arsenic, and molybdenum; and the second one, which ends in 'B', includes copper, zinc, cobalt, nickel, cerium, and lead.

The calculated background values in parts per billion (ppb) are as follows:

<b>Ag</b>	<b>As</b>	<b>Au</b>	<b>Ce</b>	<b>Co</b>	<b>Cu</b>	<b>Mo</b>	<b>Ni</b>	<b>Pb</b>	<b>Zn</b>
7.3	5.1	0.05	15.8	15.8	614	1.7	37.4	3.5	47.8

Furthermore, the results for the 10 metals as shown above were plotted and colour contoured onto 10 figures, GC-1 to GC-10, respectively. The two data sets were able to be combined since the UTM coordinates from the previous sampling (2007-2012) had been recorded. This resulted in the older data set covering a smaller survey area than had previously been mapped. This occurred since the previous sampling was carried out on a pre-established grid that was not corrected for terrain. This was common in the early stages of exploration of a property before GPS units were available.

## **11 DISCUSSION OF RESULTS**

The MMI soil sampling carried out in the years 2007 to 2012, which were done on lines 3900N to 4500N, revealed a copper-gold-silver anomaly that was open to the north where it was strengthening. In other words, it appeared that the main part of the anomaly occurred to the north of the MMI sampling area. It was therefore recommended to carry out MMI soil sampling to the north, which was done in February, 2015, along six east-west lines. The new work revealed that the anomaly extended to the north and was much stronger. This anomaly has now been labeled the Ashton Anomalous Zone and is of substantial size and strength. It has the characteristics of a porphyry copper deposit.

The Ashton Anomalous Zone appears to be striking in a north-northwest direction having a minimum strike length of 1500 meters with it being open both to the north-northwest and south-southeast. The width within the central part of the anomaly is about 1500 meters with it narrowing to the south-southeast.

Copper is the strongest element within the Ashton Anomalous Zone and cobalt is the element that correlates the best with the copper results. This may be a

reflection of pyrite, since cobalt sometimes occurs within pyrite crystals. Or it may simply be reflecting cobalt mineralization that occurs with the copper mineralization.

Gold, silver, and arsenic anomalous results also occur within this anomalous zone, but mainly along its eastern side and within its southern part. These elements also occur to its south which therefore may be reflecting hydrothermal gold-silver mineralization which often occur peripheral to copper porphyry deposits.

A molybdenum anomaly also occurs within the Ashton Anomalous Zone and also along its eastern side. In addition, lead and zinc anomalous results occur mainly within the southern part of this zone and to the south. Zinc occurring around a porphyry copper deposit is also typical of these type of deposits.

Another feature of this anomalous zone is that a cerium and nickel anomaly occurs to its immediate east on the northern 2015 survey lines. There is a sharp boundary between anomalous copper results on the western side, and anomalous cerium and nickel results on the eastern side. This is especially illustrated on the histograms. In correlating these MMI results with the geology map (fig 4), which is taken from BC Maplace, the MMI boundary correlates directly with a north-northwesterly-striking fault/contact between andesitic volcanic rocks to the east and lower amphibolite/kyanite grade metamorphic rocks to the west. This means that the cerium-nickel anomaly is reflecting andesitic volcanic rocks and the Ashton Anomalous Zone is reflecting a source, that is hopefully a porphyry copper deposit and that occurs within the amphibolite/kyanite.

Another MMI feature of those samples taken within the andesitic volcanic rocks east of the fault is that, compared to those samples taken west of the fault, they are particularly low in values in copper and gold and somewhat lower in values in arsenic and silver.

A second cerium-nickel anomaly, which strikes north-northwesterly, occurs to the immediate southwest of the Ashton Anomalous Zone. This also correlates directly with the same rock-type, that is, andesitic volcanic rocks. This anomaly is also low in copper and gold.

A third cerium-nickel anomaly, which strikes northeasterly, occurs within the north central part of the Ashton Anomalous Zone. However, this anomaly is lower in copper and gold values, but not as low as the other two cerium-nickel anomalies. A suggested interpretation is that the cerium-nickel anomaly is reflecting a capping of andesitic volcanic rocks overlying the source of the copper anomaly, which is, as mentioned above, hopefully a porphyry copper deposit.

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### **13 GEOPHYSICIST'S CERTIFICATE**

I, DAVID G. MARK, of the City of Surrey, in the Province of British Columbia, do hereby certify that:

I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

I am a Consulting Geophysicist of Geotronics Consulting Inc., with offices at 6204 – 125<sup>th</sup> Street, Surrey, British Columbia.

I further certify that:

1. I am a graduate of the University of British Columbia (1968) and hold a B.Sc. degree in Geophysics.
2. I have been practicing my profession for the past 43 years, and have been active in the mining industry for the past 46 years.
3. This report is compiled from data obtained from an MMI soil sampling survey carried out by a two-man crew of Geotronics Consulting along six lines within the Ashton Project during the period of February 22<sup>nd</sup> to 28<sup>th</sup>, 2015.
4. I do not own any part of this property nor do I expect to receive any interest as a result of writing this report.

David G. Mark, P.Geo.  
Geophysicist

July 3<sup>rd</sup>, 2015

## 14 AFFIDAVIT OF EXPENSES

MMI soil sample surveying along with grid emplacement was carried out within the Ashton Project, located 15 km east of the village of Lytton, B.C, during the period of February 22<sup>nd</sup> to 28<sup>th</sup>, 2015 to the value of the following:

<b>MOB/DEMOB:</b>		
Crew wages	\$950.00	
Truck rental and gas	\$220.00	
Room and board	<u>\$525.00</u>	
TOTAL	\$2,645.00	\$2,645.00
<b>FIELD:</b>		
Jack Ashton, P.Eng, 2 days @\$650/day	\$1,300.00	
MMI Sampling and Grid Emplacement, 2-man crew 6 days @ \$1,500/day	\$9,000.00	
Shipping costs	<u>\$65.00</u>	
TOTAL	\$10,365.00	\$10,365.00
<b>LABORATORY:</b>		
Testing of 209 samples @ \$43/sample	\$8,987.00	\$8,987.00
<b>DATA REDUCTION and REPORT:</b>		
Senior Geophysicist, 25 hr @ \$75/hr	\$1,875.00	
Geophysical technician, 40 hr @ \$60/hr	\$2,400.00	
Report compilation, photocopying, etc	<u>\$150.00</u>	
TOTAL	\$4,425.00	<u>\$4,425.00</u>
<b>GRAND TOTAL</b>		\$23,777.00
Administration costs @ 10%		<u>\$2,378.00</u>
<b>GRAND TOTAL plus administration costs</b>		<b>\$26,155.00</b>

Respectfully submitted,  
Geotronics Consulting Inc.

David G. Mark, P.Geo,  
Geophysicist

July 3<sup>rd</sup>, 2015



**15 APPENDIX –GEOCHEMISTRY DATA**

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs
DETECTION				0.5	1	10	0.1	10	0.5	2	1	2	1	100	0.2
UNITS				ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
5567300	613400	67300N	613400E	13.3	20	<10	<0.1	1310	<0.5	599	10	82	76	<100	<0.2
5567300	613450	67300N	613450E	7.2	28	<10	<0.1	1210	<0.5	494	5	102	42	<100	<0.2
5567300	613500	67300N	613500E	23.5	20	<10	0.7	1200	<0.5	675	9	33	97	<100	0.2
5567300	613550	67300N	613550E	5.7	42	<10	<0.1	1280	<0.5	509	13	176	57	<100	<0.2
5567300	613600	67300N	613600E	15.9	27	10	0.8	1340	<0.5	869	9	48	38	<100	<0.2
5567300	613650	67300N	613650E	110	10	20	1.6	190	<0.5	784	8	3	242	<100	<0.2
5567300	613700	67300N	613700E	15.7	29	20	0.1	160	<0.5	532	21	4	105	<100	<0.2
5567300	613750	67300N	613750E	25.8	20	10	0.6	230	<0.5	531	17	7	210	<100	<0.2
5567300	613800	67300N	613800E	19.4	26	<10	0.2	1180	<0.5	715	18	44	148	<100	<0.2
5567300	613850	67300N	613850E	29.5	14	10	0.3	1490	<0.5	804	28	33	352	<100	0.3
5567300	613900	67300N	613900E	44.7	29	<10	0.5	2090	<0.5	769	13	51	293	<100	0.6
5567300	613950	67300N	613950E	10.6	46	<10	<0.1	1410	<0.5	592	32	50	48	<100	0.5
5567300	614000	67300N	614000E	15	31	<10	0.3	2520	<0.5	840	7	329	155	<100	0.3
5567300	614050	67300N	614050E	17.7	15	10	1.1	1040	<0.5	1140	11	24	215	<100	0.3
5567300	614100	67300N	614100E	27.2	17	10	0.2	940	<0.5	767	6	13	271	<100	1.2
5567300	614150	67300N	614150E	61.3	14	<10	6.2	780	<0.5	1070	8	9	382	<100	1.8
5567300	614200	67300N	614200E	19.9	11	<10	1.5	250	<0.5	683	7	5	170	<100	0.6
5567300	614250	67300N	614250E	19.1	16	<10	0.6	1970	<0.5	868	22	147	338	<100	0.4
5567300	614300	67300N	614300E	25.3	19	<10	1.1	2340	<0.5	815	9	80	231	<100	0.3
5567300	614350	67300N	614350E	26	42	<10	2.9	1860	<0.5	848	18	115	144	<100	0.3
5567300	614400	67300N	614400E	9.9	19	<10	0.4	1680	<0.5	733	5	45	108	<100	0.6
5567300	614450	67300N	614450E	12.3	44	<10	0.1	760	<0.5	552	23	121	74	<100	0.4
5567300	614500	67300N	614500E	45.2	19	<10	1.3	810	<0.5	865	11	41	224	<100	0.6
5567300	614550	67300N	614550E	50.9	9	20	1.1	520	<0.5	1120	10	6	22	<100	0.4
5567300	614600	67300N	614600E	12	25	10	0.1	490	<0.5	762	9	28	21	<100	0.2
5567300	614650	67300N	614650E	*	*	*	*	*	*	*	*	*	*	*	*
5567300	614700	67300N	614700E	16.4	28	20	0.3	350	<0.5	852	21	31	35	<100	0.5
5567300	614750	67300N	614750E	12	12	<10	0.4	460	<0.5	958	4	7	24	<100	0.5
5567300	614800	67300N	614800E	8.5	25	<10	<0.1	2370	<0.5	1050	2	119	30	<100	2.8
5567300	614850	67300N	614850E	12	18	<10	<0.1	1180	<0.5	1000	1	22	19	<100	1.3
5567300	614900	67300N	614900E	7.1	24	<10	<0.1	1390	<0.5	739	3	50	12	<100	1.4
5567300	614950	67300N	614950E	9.9	24	<10	<0.1	1990	<0.5	817	4	308	77	<100	0.2
5567300	615000	67300N	615000E	7.5	17	<10	<0.1	2100	<0.5	775	3	76	32	<100	1.5
5567300	615050	67300N	615050E	8.9	17	<10	<0.1	1580	<0.5	922	4	70	27	<100	0.5
5567300	615100	67300N	615100E	8.3	22	<10	<0.1	770	<0.5	775	5	87	32	<100	1.4
5567300	615150	67300N	615150E	10	28	10	0.1	2420	<0.5	649	2	253	169	<100	<0.2
5567400	613400	67400N	613400E	42.2	19	20	1.1	550	<0.5	918	8	6	13	<100	<0.2
5567400	613450	67400N	613450E	13.2	21	<10	0.2	1400	<0.5	693	10	77	76	<100	<0.2
5567400	613500	67400N	613500E	12.4	15	10	0.2	2060	<0.5	870	7	68	70	<100	<0.2
5567400	613550	67400N	613550E	8.6	23	10	0.1	1510	<0.5	712	18	307	193	<100	<0.2
5567400	613600	67400N	613600E	19.7	11	20	0.6	520	<0.5	941	11	5	6	<100	0.3
5567400	613650	67400N	613650E	16.5	16	10	0.5	920	<0.5	866	16	29	129	<100	<0.2
5567400	613700	67400N	613700E	40.6	9	10	0.7	570	<0.5	674	4	9	119	<100	1.1
5567400	613750	67400N	613750E	25.2	15	<10	0.7	1480	<0.5	837	13	45	110	<100	<0.2

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li
DETECTION				10	0.5	0.2	0.2	1	0.5	0.5	1	0.1	0.5	1	1
UNITS				ppb	ppb	ppb	ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb
5567300	613400	67300N	613400E	1880	30.9	15.4	8.6	16	<0.5	40.6	<1	<0.1	68.4	37	1
5567300	613450	67300N	613450E	1470	27.1	14	7.6	25	0.9	31.8	<1	<0.1	55.3	33	<1
5567300	613500	67300N	613500E	2480	14.8	8.1	4.1	15	1.1	19.4	<1	<0.1	35.4	13	1
5567300	613550	67300N	613550E	500	42.8	22.1	10.2	19	0.8	47.7	<1	<0.1	72.6	49	4
5567300	613600	67300N	613600E	3790	65.6	37.5	14.2	12	<0.5	75.5	<1	<0.1	50.3	45	6
5567300	613650	67300N	613650E	26300	2.2	1.1	0.5	9	<0.5	2.2	<1	<0.1	19.2	1	<1
5567300	613700	67300N	613700E	2220	2.4	1.3	0.8	10	0.9	3.1	<1	<0.1	52.2	2	<1
5567300	613750	67300N	613750E	4380	3.6	2.2	1.1	8	0.7	4.5	<1	<0.1	38.7	2	<1
5567300	613800	67300N	613800E	7350	18.2	10.7	5	16	0.5	24.8	<1	<0.1	35.9	19	<1
5567300	613850	67300N	613850E	9330	8.1	4.4	2.2	13	<0.5	9.2	<1	<0.1	28.2	8	<1
5567300	613900	67300N	613900E	12600	21.4	13	5.3	19	1.4	24.1	<1	<0.1	14.1	22	<1
5567300	613950	67300N	613950E	2280	12.9	7.2	3.1	23	0.9	14.4	<1	<0.1	130	17	<1
5567300	614000	67300N	614000E	2590	89.2	55.2	19.5	14	0.9	99.3	<1	<0.1	7.6	85	1
5567300	614050	67300N	614050E	17900	19.6	11.8	4.5	11	<0.5	20.7	<1	<0.1	38.9	7	<1
5567300	614100	67300N	614100E	17500	6.2	3.7	1.9	11	<0.5	7.1	<1	<0.1	15.8	6	<1
5567300	614150	67300N	614150E	22800	7.1	4.1	1.9	10	0.5	7.2	<1	<0.1	11.5	2	<1
5567300	614200	67300N	614200E	3130	6.4	4.1	1.1	10	0.5	5.9	<1	<0.1	12	<1	<1
5567300	614250	67300N	614250E	6950	48.8	27.3	11.6	12	0.9	53.6	<1	<0.1	7.6	42	<1
5567300	614300	67300N	614300E	12800	52.7	31.8	11.7	14	0.5	57.3	<1	<0.1	9.9	37	<1
5567300	614350	67300N	614350E	8550	54.3	31.7	13.1	18	0.8	57.2	<1	<0.1	16.8	39	<1
5567300	614400	67300N	614400E	3180	11.9	6.7	3.4	16	<0.5	13.1	<1	<0.1	11.1	14	1
5567300	614450	67300N	614450E	6640	28.7	16	7.9	26	0.8	34.8	<1	<0.1	120	42	2
5567300	614500	67300N	614500E	14800	22.6	12.6	6	14	<0.5	26.7	<1	<0.1	29.3	20	1
5567300	614550	67300N	614550E	12200	7.5	4.4	2	9	<0.5	9.1	1	<0.1	55.3	5	20
5567300	614600	67300N	614600E	4620	19	10.3	5.4	17	0.6	24.8	<1	<0.1	167	22	<1
5567300	614650	67300N	614650E	*	*	*	*	*	*	*	*	*	*	*	*
5567300	614700	67300N	614700E	6500	10.6	6.1	3.1	34	0.7	12.5	<1	<0.1	24.3	21	2
5567300	614750	67300N	614750E	1390	4	3	1.1	6	<0.5	4.6	<1	<0.1	10.1	2	2
5567300	614800	67300N	614800E	720	50	27.7	14.5	10	<0.5	63.2	<1	<0.1	36	57	<1
5567300	614850	67300N	614850E	1370	12.5	7.2	4.2	8	<0.5	15.6	<1	<0.1	38.1	10	<1
5567300	614900	67300N	614900E	400	33.6	18.3	9.2	12	<0.5	43.3	<1	<0.1	18.9	40	<1
5567300	614950	67300N	614950E	520	140	83.6	31.1	10	<0.5	161	<1	<0.1	19	109	<1
5567300	615000	67300N	615000E	620	51	31.7	12.4	9	<0.5	59.8	<1	<0.1	78	41	<1
5567300	615050	67300N	615050E	530	62.1	35.3	14.4	9	<0.5	74.4	<1	<0.1	51.4	38	<1
5567300	615100	67300N	615100E	340	45.9	23.9	12.7	9	<0.5	56.2	<1	<0.1	9.3	50	<1
5567300	615150	67300N	615150E	510	40	18.1	8.5	19	<0.5	34.2	<1	<0.1	41.1	61	1
5567400	613400	67400N	613400E	5250	13.6	9.4	2.6	11	<0.5	13.4	<1	<0.1	42.6	4	3
5567400	613450	67400N	613450E	2290	63.3	34.5	12.7	9	<0.5	71.7	<1	<0.1	188	38	4
5567400	613500	67400N	613500E	1580	66.2	38.7	11.6	8	<0.5	70.9	<1	<0.1	125	21	<1
5567400	613550	67400N	613550E	1270	90.9	54.5	18.3	10	0.8	100	<1	<0.1	23.6	68	3
5567400	613600	67400N	613600E	4190	3.2	2.1	0.7	10	<0.5	3.5	<1	<0.1	53	2	5
5567400	613650	67400N	613650E	6740	13.7	8.3	3.7	9	<0.5	18.5	<1	<0.1	30.8	10	<1
5567400	613700	67400N	613700E	3430	2.7	1.8	0.5	6	<0.5	2.5	1	<0.1	9.8	<1	4
5567400	613750	67400N	613750E	3870	27.3	16.6	5.5	7	<0.5	31.9	<1	<0.1	64.9	12	<1

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb
DETECTION				0.5	100	2	0.5	1	5	0.1	5	1	0.5	0.1	1
UNITS				ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
5567300	613400	67300N	613400E	103	4000	4	<0.5	103	459	3.1	18	<1	18.4	<0.1	36
5567300	613450	67300N	613450E	133	2300	3	<0.5	87	155	3.1	10	<1	16.3	<0.1	26
5567300	613500	67300N	613500E	145	3300	6	<0.5	44	349	1.7	7	<1	7.4	<0.1	15
5567300	613550	67300N	613550E	178	5000	7	<0.5	119	462	3.2	33	<1	23	<0.1	55
5567300	613600	67300N	613600E	263	2500	2	<0.5	140	477	1.7	22	<1	22.9	<0.1	8
5567300	613650	67300N	613650E	75.5	2600	8	<0.5	4	287	1.1	<5	<1	0.6	<0.1	8
5567300	613700	67300N	613700E	72.3	2800	<2	<0.5	6	42	2.6	16	<1	0.9	<0.1	16
5567300	613750	67300N	613750E	61.8	3800	4	<0.5	8	30	1	<5	<1	1	<0.1	15
5567300	613800	67300N	613800E	183	5400	4	<0.5	55	196	1.6	17	<1	9.7	<0.1	21
5567300	613850	67300N	613850E	142	14800	10	<0.5	23	129	0.9	24	<1	4	<0.1	43
5567300	613900	67300N	613900E	109	4500	6	<0.5	54	57	0.5	45	<1	9	<0.1	29
5567300	613950	67300N	613950E	93.4	4600	5	<0.5	37	357	1.9	66	<1	7.4	<0.1	135
5567300	614000	67300N	614000E	253	6700	2	<0.5	223	527	0.6	24	<1	39	<0.1	17
5567300	614050	67300N	614050E	224	7200	9	<0.5	25	284	<0.1	<5	<1	4	<0.1	14
5567300	614100	67300N	614100E	129	3300	3	<0.5	15	52	0.4	<5	<1	2.7	<0.1	18
5567300	614150	67300N	614150E	281	6500	2	<0.5	9	131	<0.1	<5	2	1.1	<0.1	8
5567300	614200	67300N	614200E	102	10700	4	<0.5	2	67	<0.1	<5	<1	<0.5	<0.1	9
5567300	614250	67300N	614250E	240	18100	5	<0.5	107	486	0.3	16	<1	19	<0.1	19
5567300	614300	67300N	614300E	208	5900	3	<0.5	108	241	0.3	11	<1	19	<0.1	14
5567300	614350	67300N	614350E	191	8300	2	<0.5	103	427	0.2	16	<1	18.3	<0.1	15
5567300	614400	67300N	614400E	204	4100	5	<0.5	31	208	0.7	10	<1	6.1	<0.1	21
5567300	614450	67300N	614450E	125	4500	12	<0.5	93	270	1.1	6	<1	17.8	<0.1	82
5567300	614500	67300N	614500E	184	4200	6	<0.5	55	225	0.2	6	<1	9.2	<0.1	65
5567300	614550	67300N	614550E	247	1000	14	<0.5	18	258	0.4	<5	<1	3.2	<0.1	19
5567300	614600	67300N	614600E	114	1700	5	<0.5	60	187	3.1	8	<1	10.6	<0.1	91
5567300	614650	67300N	614650E	*	*	*	*	*	*	*	*	*	*	*	*
5567300	614700	67300N	614700E	97.5	1600	7	<0.5	42	538	0.8	9	<1	8.2	<0.1	35
5567300	614750	67300N	614750E	344	2200	4	<0.5	8	299	1.2	<5	<1	1.3	<0.1	9
5567300	614800	67300N	614800E	248	1300	<2	<0.5	151	249	1.3	6	<1	27	<0.1	33
5567300	614850	67300N	614850E	222	900	<2	<0.5	34	138	1.4	<5	<1	5.5	<0.1	29
5567300	614900	67300N	614900E	235	1500	<2	<0.5	109	252	2.4	12	<1	18.4	<0.1	107
5567300	614950	67300N	614950E	275	3100	3	<0.5	317	557	0.7	19	<1	50.7	<0.1	35
5567300	615000	67300N	615000E	234	1400	3	<0.5	110	207	1	8	<1	17.9	<0.1	151
5567300	615050	67300N	615050E	238	1800	<2	<0.5	119	473	1.6	14	<1	18.9	<0.1	68
5567300	615100	67300N	615100E	249	3000	3	0.5	130	404	1.1	9	<1	21.7	<0.1	74
5567300	615150	67300N	615150E	211	900	4	2	99	364	1.8	30	<1	22.3	<0.1	6
5567400	613400	67400N	613400E	206	900	3	<0.5	19	194	1.5	12	<1	2.8	<0.1	2
5567400	613450	67400N	613450E	196	5800	5	<0.5	123	801	2.2	28	<1	20	<0.1	40
5567400	613500	67400N	613500E	202	5000	10	0.5	87	584	1.5	30	<1	12.3	<0.1	30
5567400	613550	67400N	613550E	292	15000	4	<0.5	195	1560	1.1	40	<1	32.2	<0.1	37
5567400	613600	67400N	613600E	58.8	300	<2	<0.5	6	130	0.6	9	<1	1	<0.1	16
5567400	613650	67400N	613650E	137	5100	4	<0.5	37	272	2	13	<1	5.8	<0.1	15
5567400	613700	67400N	613700E	75.9	6200	<2	<0.5	3	139	0.3	9	<1	<0.5	<0.1	10
5567400	613750	67400N	613750E	262	7200	3	<0.5	48	531	1.8	15	<1	7	<0.1	19

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	TI	U
DETECTION				0.5	5	1	1	10	1	0.1	10	0.5	10	0.1	0.5
UNITS				ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
5567300	613400	67300N	613400E	1.5	10	31	<1	3060	<1	5.3	<10	9.5	20	<0.1	11.6
5567300	613450	67300N	613450E	0.7	17	27	<1	2710	<1	4.8	<10	8.4	20	<0.1	8
5567300	613500	67300N	613500E	0.8	11	14	<1	3640	<1	2.7	<10	3	170	<0.1	16.4
5567300	613550	67300N	613550E	<0.5	20	37	<1	2370	<1	7.2	<10	12.5	50	<0.1	4.2
5567300	613600	67300N	613600E	<0.5	18	48	<1	5430	<1	10.7	<10	5.7	<10	<0.1	16.6
5567300	613650	67300N	613650E	<0.5	6	1	<1	2310	<1	0.3	<10	<0.5	<10	0.1	4.9
5567300	613700	67300N	613700E	<0.5	9	2	<1	2400	<1	0.4	<10	<0.5	<10	<0.1	1.3
5567300	613750	67300N	613750E	<0.5	12	3	<1	3200	<1	0.6	<10	0.9	<10	<0.1	4.1
5567300	613800	67300N	613800E	<0.5	17	18	<1	3870	<1	3.2	<10	5.1	<10	<0.1	8.7
5567300	613850	67300N	613850E	<0.5	11	7	<1	5020	<1	1.3	<10	3.4	<10	0.2	8.9
5567300	613900	67300N	613900E	<0.5	30	17	<1	5630	<1	3.5	<10	4.8	30	0.3	10.7
5567300	613950	67300N	613950E	<0.5	21	12	<1	4450	<1	2.2	<10	3.9	10	0.1	5.2
5567300	614000	67300N	614000E	<0.5	31	67	<1	6030	<1	14.1	<10	13.9	<10	0.1	18.7
5567300	614050	67300N	614050E	<0.5	16	11	<1	2750	<1	3.2	<10	3	<10	<0.1	2.3
5567300	614100	67300N	614100E	<0.5	26	5	<1	4400	<1	1	<10	1.9	<10	<0.1	3.7
5567300	614150	67300N	614150E	<0.5	21	4	<1	5140	<1	1.1	<10	0.6	<10	<0.1	2
5567300	614200	67300N	614200E	<0.5	24	2	<1	2730	<1	0.9	<10	0.7	<10	<0.1	2.6
5567300	614250	67300N	614250E	<0.5	33	35	<1	5070	<1	7.8	<10	10.8	<10	0.1	12
5567300	614300	67300N	614300E	<0.5	45	36	<1	5400	<1	8.6	<10	6.8	<10	<0.1	13.6
5567300	614350	67300N	614350E	<0.5	60	36	<1	3950	<1	8.3	<10	6	<10	<0.1	8.7
5567300	614400	67300N	614400E	<0.5	23	10	<1	3420	<1	1.9	<10	5.8	<10	<0.1	3.6
5567300	614450	67300N	614450E	<0.5	38	28	<1	2500	<1	4.8	<10	5.8	<10	0.1	3
5567300	614500	67300N	614500E	<0.5	26	18	<1	3420	<1	4	<10	5.7	<10	<0.1	4.8
5567300	614550	67300N	614550E	<0.5	10	7	<1	4890	<1	1.3	<10	0.6	<10	<0.1	8.3
5567300	614600	67300N	614600E	<0.5	10	19	<1	3590	<1	3.4	<10	2.3	<10	<0.1	5.8
5567300	614650	67300N	614650E	*	*	*	*	*	*	*	*	*	*	*	*
5567300	614700	67300N	614700E	<0.5	11	11	<1	3050	<1	1.8	<10	4.5	<10	0.1	27
5567300	614750	67300N	614750E	<0.5	7	3	<1	7280	<1	0.7	<10	0.6	<10	<0.1	13.8
5567300	614800	67300N	614800E	<0.5	11	48	<1	15600	<1	8.5	<10	9.1	<10	<0.1	19.9
5567300	614850	67300N	614850E	<0.5	7	11	<1	15100	<1	2.1	<10	3.5	<10	<0.1	13.1
5567300	614900	67300N	614900E	<0.5	10	33	<1	7910	<1	5.8	<10	4.2	<10	<0.1	10.5
5567300	614950	67300N	614950E	<0.5	26	106	<1	5470	<1	22.9	<10	11	<10	<0.1	24.1
5567300	615000	67300N	615000E	<0.5	16	37	<1	9690	<1	8.3	<10	5.2	<10	<0.1	20.7
5567300	615050	67300N	615050E	2.8	12	46	<1	9160	<1	10.3	10	4.3	<10	<0.1	17.5
5567300	615100	67300N	615100E	1.8	10	40	<1	6310	<1	7.6	10	6.6	<10	<0.1	13.1
5567300	615150	67300N	615150E	1.7	45	27	<1	5610	<1	6.2	<10	11.9	20	<0.1	26.8
5567400	613400	67400N	613400E	1.1	9	7	<1	4830	<1	2.2	<10	1.1	<10	<0.1	17.4
5567400	613450	67400N	613450E	0.8	15	45	<1	3870	<1	10.6	<10	10.2	10	<0.1	16.5
5567400	613500	67400N	613500E	0.7	17	37	<1	5480	<1	10.2	<10	5.7	<10	0.2	28.9
5567400	613550	67400N	613550E	0.6	18	63	<1	4630	<1	14.6	<10	13.1	<10	0.2	14
5567400	613600	67400N	613600E	0.6	5	2	<1	2560	<1	0.5	<10	1	40	0.1	2
5567400	613650	67400N	613650E	<0.5	7	12	<1	3630	<1	2.5	<10	2.9	<10	<0.1	10.6
5567400	613700	67400N	613700E	0.5	5	1	<1	2910	<1	0.4	<10	0.5	10	<0.1	2.8
5567400	613750	67400N	613750E	<0.5	10	17	<1	5230	<1	4.7	<10	2.1	<10	<0.1	15.7

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	W	Yt	Yb	Zn	Zr
DETECTION				0.5	1	0.2	10	2
UNITS				ppb	ppb	ppb	ppb	ppb
5567300	613400	67300N	613400E	<0.5	164	11.7	190	34
5567300	613450	67300N	613450E	<0.5	140	11.4	150	21
5567300	613500	67300N	613500E	<0.5	87	6.3	60	31
5567300	613550	67300N	613550E	<0.5	211	17	500	31
5567300	613600	67300N	613600E	<0.5	377	27.7	230	24
5567300	613650	67300N	613650E	<0.5	13	1	90	3
5567300	613700	67300N	613700E	<0.5	16	1	200	2
5567300	613750	67300N	613750E	<0.5	25	1.7	110	4
5567300	613800	67300N	613800E	<0.5	119	8.5	290	16
5567300	613850	67300N	613850E	<0.5	51	3.5	430	8
5567300	613900	67300N	613900E	<0.5	155	9.8	620	14
5567300	613950	67300N	613950E	<0.5	83	6	3080	23
5567300	614000	67300N	614000E	<0.5	489	41.3	60	40
5567300	614050	67300N	614050E	<0.5	128	9	40	7
5567300	614100	67300N	614100E	<0.5	41	3.1	80	8
5567300	614150	67300N	614150E	<0.5	50	3.2	80	3
5567300	614200	67300N	614200E	<0.5	46	3.7	90	6
5567300	614250	67300N	614250E	<0.5	285	20.4	90	25
5567300	614300	67300N	614300E	<0.5	300	24.3	90	21
5567300	614350	67300N	614350E	<0.5	362	25.1	340	26
5567300	614400	67300N	614400E	<0.5	67	5.4	210	19
5567300	614450	67300N	614450E	<0.5	179	13	1140	20
5567300	614500	67300N	614500E	<0.5	138	9.5	240	12
5567300	614550	67300N	614550E	<0.5	43	3.4	40	9
5567300	614600	67300N	614600E	<0.5	126	8.2	350	10
5567300	614650	67300N	614650E	*	*	*	*	*
5567300	614700	67300N	614700E	<0.5	67	5.5	90	12
5567300	614750	67300N	614750E	<0.5	26	2.8	30	9
5567300	614800	67300N	614800E	<0.5	316	19.5	100	35
5567300	614850	67300N	614850E	<0.5	73	5.9	60	10
5567300	614900	67300N	614900E	<0.5	214	12.9	150	16
5567300	614950	67300N	614950E	<0.5	772	56.7	100	40
5567300	615000	67300N	615000E	<0.5	351	21.6	150	18
5567300	615050	67300N	615050E	<0.5	362	24.4	120	11
5567300	615100	67300N	615100E	<0.5	232	17	140	13
5567300	615150	67300N	615150E	<0.5	150	14	90	122
5567400	613400	67400N	613400E	<0.5	75	7.5	80	19
5567400	613450	67400N	613450E	<0.5	298	26.2	130	38
5567400	613500	67400N	613500E	<0.5	330	27.7	140	28
5567400	613550	67400N	613550E	<0.5	430	40.2	250	39
5567400	613600	67400N	613600E	<0.5	18	1.8	30	9
5567400	613650	67400N	613650E	<0.5	83	6.1	90	24
5567400	613700	67400N	613700E	<0.5	17	1.7	40	8
5567400	613750	67400N	613750E	<0.5	148	11.3	90	13

ASHTON COPPER PROJECT

MMI DATA

UTM N	UTM E	Line	Easting	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs
DETECTION				0.5	1	10	0.1	10	0.5	2	1	2	1	100	0.2
UNITS				ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
5567400	613800	67400N	613800E	12.5	26	<10	0.6	1700	<0.5	842	19	201	304	<100	<0.2
5567400	613850	67400N	613850E	18.4	23	<10	0.4	1710	<0.5	848	18	240	303	<100	<0.2
5567400	613900	67400N	613900E	17.2	36	<10	0.1	2700	<0.5	756	17	179	129	<100	0.3
5567400	613950	67400N	613950E	17.5	34	<10	<0.1	1440	<0.5	841	38	176	130	<100	<0.2
5567400	614000	67400N	614000E	46.6	18	20	1.4	700	<0.5	856	17	23	255	<100	<0.2
5567400	614050	67400N	614050E	25.8	15	<10	1.3	1000	<0.5	1030	8	12	435	<100	0.3
5567400	614100	67400N	614100E	18.4	22	<10	0.5	760	<0.5	939	6	18	121	<100	0.6
5567400	614150	67400N	614150E	10.9	17	<10	<0.1	2880	<0.5	1040	14	78	191	<100	0.3
5567400	614200	67400N	614200E	15.3	21	<10	0.2	1200	<0.5	832	15	22	89	<100	0.3
5567400	614250	67400N	614250E	17	10	<10	1.3	290	<0.5	659	3	2	152	<100	1
5567400	614300	67400N	614300E	15.3	6	<10	1.7	190	<0.5	554	1	<2	151	<100	1.2
5567400	614350	67400N	614350E	18.7	44	<10	0.2	3620	<0.5	1010	7	218	169	<100	<0.2
5567400	614400	67400N	614400E	28.5	13	<10	2.5	1160	<0.5	1070	3	30	192	<100	0.5
5567400	614450	67400N	614450E	33.3	11	<10	2.7	760	<0.5	1130	10	7	368	<100	0.6
5567400	614500	67400N	614500E	47.3	16	10	2.1	590	<0.5	1080	14	13	340	<100	0.5
5567400	614550	67400N	614550E	40.9	10	10	1.7	800	<0.5	1070	9	60	262	<100	1.2
5567400	614600	67400N	614600E	9.3	23	<10	<0.1	230	<0.5	935	4	12	10	<100	0.8
5567400	614650	67400N	614650E	28.7	14	10	0.4	460	<0.5	1040	5	11	38	<100	0.2
5567400	614700	67400N	614700E	33.9	29	<10	1.1	370	<0.5	913	5	39	41	<100	0.4
5567400	614750	67400N	614750E	17.1	21	<10	<0.1	1050	<0.5	883	2	43	42	<100	0.7
5567400	614800	67400N	614800E	16.6	26	<10	<0.1	960	<0.5	898	4	121	65	<100	0.5
5567400	614850	67400N	614850E	43.8	16	<10	0.2	1400	<0.5	1080	2	74	85	<100	<0.2
5567400	614900	67400N	614900E	13.2	17	<10	<0.1	1220	<0.5	785	3	72	50	<100	1.1
5567400	614950	67400N	614950E	14.2	9	<10	<0.1	1750	<0.5	1160	6	44	127	<100	<0.2
5567400	615000	67400N	615000E	16.9	26	<10	<0.1	2780	<0.5	965	4	168	147	<100	0.2
5567400	615050	67400N	615050E	*	*	*	*	*	*	*	*	*	*	*	*
5567400	615100	67400N	615100E	6.2	12	<10	<0.1	1640	<0.5	748	4	148	58	<100	0.8
5567400	615150	67400N	615150E	*	*	*	*	*	*	*	*	*	*	*	*
5567400	615200	67400N	615200E	10.2	26	<10	<0.1	2080	<0.5	788	5	325	68	<100	0.7
5567500	613450	67500N	613450E	17.8	7	<10	0.4	980	<0.5	936	6	2	35	<100	<0.2
5567500	613500	67500N	613500E	17.8	16	<10	0.3	940	<0.5	1060	12	4	15	<100	<0.2
5567500	613550	67500N	613550E	13.3	21	<10	0.5	1020	<0.5	875	12	34	54	<100	<0.2
5567500	613600	67500N	613600E	11.8	19	20	0.3	820	<0.5	1050	11	34	76	<100	0.3
5567500	613650	67500N	613650E	34.9	8	<10	0.7	950	<0.5	1110	5	4	15	<100	0.4
5567500	613700	67500N	613700E	14	14	<10	<0.1	1730	<0.5	833	5	41	36	<100	<0.2
5567500	613750	67500N	613750E	11.9	20	<10	0.2	890	<0.5	592	14	78	129	<100	<0.2
5567500	613800	67500N	613800E	32.9	20	<10	<0.1	1550	<0.5	713	7	67	115	<100	<0.2
5567500	613850	67500N	613850E	33.8	31	<10	0.2	1380	<0.5	887	12	123	343	<100	<0.2
5567500	613900	67500N	613900E	32	20	<10	0.3	1620	<0.5	865	14	132	295	<100	<0.2
5567500	613950	67500N	613950E	26.9	25	<10	<0.1	1530	<0.5	854	11	117	157	<100	<0.2
5567500	614000	67500N	614000E	11.6	17	<10	<0.1	2310	<0.5	851	6	196	83	<100	0.3
5567500	614050	67500N	614050E	14.8	30	<10	0.4	1920	<0.5	901	10	144	128	<100	<0.2
5567500	614100	67500N	614100E	15.2	28	<10	0.2	2000	<0.5	811	7	109	74	<100	<0.2
5567500	614150	67500N	614150E	12.3	23	<10	0.3	1490	<0.5	782	15	155	112	<100	<0.2

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li
DETECTION				10	0.5	0.2	0.2	1	0.5	0.5	1	0.1	0.5	1	1
UNITS				ppb	ppb	ppb	ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb
5567400	613800	67400N	613800E	2370	64.1	38.9	13.7	10	0.9	73.6	<1	<0.1	67.4	52	1
5567400	613850	67400N	613850E	4610	70.6	41.8	14.3	10	0.8	78.6	<1	<0.1	34.6	53	2
5567400	613900	67400N	613900E	2650	39.6	24.3	9	19	1	45.4	<1	<0.1	33.5	51	<1
5567400	613950	67400N	613950E	9040	33.1	19.2	9	17	0.7	41.5	<1	<0.1	47.7	41	1
5567400	614000	67400N	614000E	14100	11.2	7.1	2.6	14	<0.5	13.2	<1	<0.1	34.7	7	<1
5567400	614050	67400N	614050E	7660	9.6	6.6	2	10	0.6	10	<1	<0.1	14.8	2	<1
5567400	614100	67400N	614100E	7280	10.3	6.5	3.2	13	<0.5	12.8	<1	<0.1	30.9	7	<1
5567400	614150	67400N	614150E	7630	28.9	17.4	7.4	14	0.5	35.2	<1	<0.1	23.3	29	<1
5567400	614200	67400N	614200E	10100	13	8.7	3.7	15	0.6	16.9	<1	<0.1	44.5	11	<1
5567400	614250	67400N	614250E	6800	3.1	2.3	0.6	11	0.7	3.1	<1	<0.1	5.5	<1	1
5567400	614300	67400N	614300E	9400	0.7	0.7	<0.2	6	0.5	0.8	<1	<0.1	5.8	<1	1
5567400	614350	67400N	614350E	5200	95.3	63.7	20.3	18	0.7	101	<1	<0.1	9.1	84	<1
5567400	614400	67400N	614400E	18600	28.4	17.5	7.2	12	<0.5	31.9	<1	<0.1	4.5	15	<1
5567400	614450	67400N	614450E	18000	7.2	4.9	1.2	12	0.5	6.4	1	<0.1	14.2	<1	<1
5567400	614500	67400N	614500E	20600	6.4	4	1.4	12	<0.5	7.2	<1	<0.1	45.3	2	2
5567400	614550	67400N	614550E	16600	25.2	14.2	6.8	9	<0.5	32.4	1	<0.1	7.2	18	1
5567400	614600	67400N	614600E	3770	5.8	3.6	1.6	23	0.8	7.4	<1	<0.1	51.4	8	<1
5567400	614650	67400N	614650E	3490	11.3	7.4	2.7	9	<0.5	13.4	<1	<0.1	11.5	6	19
5567400	614700	67400N	614700E	9660	18.5	10.5	5.4	18	0.6	24.3	<1	<0.1	51.7	25	6
5567400	614750	67400N	614750E	1030	28	18	6.6	10	<0.5	37	<1	<0.1	46.4	22	3
5567400	614800	67400N	614800E	780	57.4	35.7	12.2	11	0.5	67.8	<1	<0.1	27.4	49	<1
5567400	614850	67400N	614850E	910	54.6	35.4	10.6	11	<0.5	56.5	<1	<0.1	108	32	<1
5567400	614900	67400N	614900E	680	47.2	28	12.2	9	<0.5	64.3	<1	<0.1	51.5	51	1
5567400	614950	67400N	614950E	960	37	24.5	5.8	7	<0.5	38	<1	<0.1	25.8	10	<1
5567400	615000	67400N	615000E	700	125	85.4	22.5	8	<0.5	126	<1	<0.1	11	59	6
5567400	615050	67400N	615050E	*	*	*	*	*	*	*	*	*	*	*	*
5567400	615100	67400N	615100E	350	57.3	30.9	13.6	8	<0.5	73.3	<1	<0.1	23.4	61	<1
5567400	615150	67400N	615150E	*	*	*	*	*	*	*	*	*	*	*	*
5567400	615200	67400N	615200E	660	88.7	51.1	23.2	12	0.7	113	<1	<0.1	22.7	116	<1
5567500	613450	67500N	613450E	1780	0.8	0.6	0.2	6	<0.5	0.8	<1	<0.1	86.6	<1	4
5567500	613500	67500N	613500E	1920	7	4.9	1.4	9	<0.5	7.6	<1	<0.1	59.3	2	7
5567500	613550	67500N	613550E	2320	30.9	19	7	9	<0.5	38.9	<1	<0.1	94.8	21	3
5567500	613600	67500N	613600E	3780	24.7	14.3	5.7	10	0.6	30.6	<1	<0.1	72.2	19	<1
5567500	613650	67500N	613650E	5410	3.7	2.2	0.8	7	<0.5	4.1	<1	<0.1	64.7	2	<1
5567500	613700	67500N	613700E	2700	37.2	20.9	9.7	13	<0.5	51	<1	<0.1	118	38	<1
5567500	613750	67500N	613750E	4310	32	17.6	8.4	14	0.7	43.4	<1	<0.1	107	40	1
5567500	613800	67500N	613800E	2990	30.5	16.9	7.5	15	0.6	38.4	<1	<0.1	141	35	<1
5567500	613850	67500N	613850E	8100	41.6	26.3	9.7	17	0.8	47.5	<1	<0.1	98.3	39	<1
5567500	613900	67500N	613900E	3820	46.9	26.3	11.1	14	1.2	57.9	<1	<0.1	55.5	44	2
5567500	613950	67500N	613950E	3030	45.3	26.4	10.7	15	0.7	52.6	<1	<0.1	98.5	49	<1
5567500	614000	67500N	614000E	1190	88	48.6	19.9	8	<0.5	105	<1	<0.1	25.5	91	2
5567500	614050	67500N	614050E	3420	60.9	35	13.3	11	0.6	73.5	<1	<0.1	33.4	52	2
5567500	614100	67500N	614100E	5130	42.5	24.1	10.6	15	<0.5	54.2	<1	<0.1	38.6	40	<1
5567500	614150	67500N	614150E	3240	56.4	32.3	12.3	11	<0.5	63.3	<1	<0.1	97.5	34	<1



**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb
DETECTION				0.5	100	2	0.5	1	5	0.1	5	1	0.5	0.1	1
UNITS				ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
5567400	613800	67400N	613800E	261	23000	5	<0.5	150	1360	2.2	23	<1	26.1	<0.1	24
5567400	613850	67400N	613850E	264	20300	6	<0.5	155	1200	1.5	25	<1	25.9	<0.1	27
5567400	613900	67400N	613900E	132	12500	6	<0.5	109	413	0.7	72	<1	20.9	<0.1	89
5567400	613950	67400N	613950E	138	11800	16	<0.5	104	623	0.7	23	<1	18.2	<0.1	52
5567400	614000	67400N	614000E	123	7700	3	<0.5	23	221	0.9	20	<1	3.7	<0.1	7
5567400	614050	67400N	614050E	196	11300	3	<0.5	9	164	0.1	6	<1	1.2	<0.1	14
5567400	614100	67400N	614100E	148	5000	3	<0.5	21	145	0.6	<5	<1	3.6	<0.1	25
5567400	614150	67400N	614150E	255	10600	4	<0.5	70	310	0.5	24	<1	12.2	<0.1	32
5567400	614200	67400N	614200E	215	7400	3	<0.5	30	176	0.8	5	<1	5.2	<0.1	65
5567400	614250	67400N	614250E	77.5	5300	<2	<0.5	2	77	0.2	<5	<1	<0.5	<0.1	9
5567400	614300	67400N	614300E	39.1	2900	<2	<0.5	<1	52	0.1	<5	<1	<0.5	<0.1	5
5567400	614350	67400N	614350E	227	3300	<2	<0.5	203	533	0.9	57	<1	37	<0.1	14
5567400	614400	67400N	614400E	271	3600	<2	<0.5	46	111	0.1	<5	<1	7.5	<0.1	5
5567400	614450	67400N	614450E	76.5	10600	11	<0.5	3	190	0.1	<5	<1	<0.5	<0.1	11
5567400	614500	67400N	614500E	74.1	10100	17	<0.5	9	277	0.6	<5	<1	1.3	<0.1	18
5567400	614550	67400N	614550E	245	5200	5	<0.5	63	295	0.3	<5	<1	10.6	<0.1	17
5567400	614600	67400N	614600E	109	600	<2	<0.5	23	109	2.9	<5	<1	4	<0.1	75
5567400	614650	67400N	614650E	251	1400	3	<0.5	22	403	2.2	<5	<1	3.3	<0.1	6
5567400	614700	67400N	614700E	154	2000	4	<0.5	64	417	2.3	5	<1	11	<0.1	35
5567400	614750	67400N	614750E	243	1800	2	0.5	66	364	3.4	7	<1	10.7	<0.1	39
5567400	614800	67400N	614800E	275	4900	2	0.7	132	794	1.6	23	<1	22.5	<0.1	56
5567400	614850	67400N	614850E	254	2600	4	1.4	96	793	2.2	15	<1	16.1	<0.1	32
5567400	614900	67400N	614900E	231	2600	4	1.1	140	527	2.5	10	<1	23.9	<0.1	72
5567400	614950	67400N	614950E	415	6400	12	0.8	42	1040	2.1	9	<1	6.4	<0.1	15
5567400	615000	67400N	615000E	346	5400	3	0.5	192	1350	1.5	20	<1	28.9	<0.1	17
5567400	615050	67400N	615050E	*	*	*	*	*	*	*	*	*	*	*	*
5567400	615100	67400N	615100E	269	4400	3	<0.5	159	543	1.3	11	<1	26.8	<0.1	94
5567400	615150	67400N	615150E	*	*	*	*	*	*	*	*	*	*	*	*
5567400	615200	67400N	615200E	216	6600	3	<0.5	275	673	1	23	<1	50.9	<0.1	56
5567500	613450	67500N	613450E	149	2200	4	<0.5	1	349	1	8	<1	<0.5	<0.1	8
5567500	613500	67500N	613500E	181	1300	29	<0.5	9	452	2.4	11	<1	1.4	<0.1	13
5567500	613550	67500N	613550E	249	4900	7	<0.5	73	795	2.9	18	<1	11.1	<0.1	17
5567500	613600	67500N	613600E	218	3800	4	<0.5	63	524	2.6	21	<1	9.7	<0.1	28
5567500	613650	67500N	613650E	103	1000	4	<0.5	6	293	1.3	6	<1	0.8	<0.1	31
5567500	613700	67500N	613700E	155	2100	4	<0.5	105	305	1.7	17	<1	18.3	<0.1	25
5567500	613750	67500N	613750E	148	9000	4	<0.5	112	605	2	12	<1	18.8	<0.1	30
5567500	613800	67500N	613800E	128	2900	4	<0.5	86	336	2.2	23	<1	15.7	<0.1	8
5567500	613850	67500N	613850E	154	9800	10	<0.5	101	540	1.1	31	<1	17.6	<0.1	16
5567500	613900	67500N	613900E	165	10600	6	<0.5	121	645	1.9	40	<1	21.9	<0.1	20
5567500	613950	67500N	613950E	179	6500	3	<0.5	111	506	1.1	28	<1	20.9	<0.1	28
5567500	614000	67500N	614000E	245	6300	7	<0.5	227	752	1.3	41	<1	39.2	<0.1	34
5567500	614050	67500N	614050E	262	7100	4	0.8	144	642	1.1	24	<1	25.1	<0.1	45
5567500	614100	67500N	614100E	222	3200	4	<0.5	115	213	1.4	27	<1	19	<0.1	29
5567500	614150	67500N	614150E	233	11200	5	<0.5	110	702	1.5	19	<1	18.5	<0.1	36

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
DETECTION				0.5	5	1	1	10	1	0.1	10	0.5	10	0.1	0.5
UNITS				ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
5567400	613800	67400N	613800E	<0.5	15	47	<1	5490	<1	10.2	<10	9.1	<10	<0.1	16.1
5567400	613850	67400N	613850E	<0.5	19	50	<1	4980	<1	11.7	<10	11.6	<10	0.1	21.7
5567400	613900	67400N	613900E	<0.5	25	33	<1	3510	<1	7	<10	7.5	<10	0.2	14.8
5567400	613950	67400N	613950E	<0.5	23	31	<1	3870	<1	6	<10	13	<10	0.1	8.6
5567400	614000	67400N	614000E	<0.5	18	8	<1	3120	<1	1.9	<10	3.1	<10	<0.1	11.1
5567400	614050	67400N	614050E	<0.5	22	4	<1	5000	<1	1.5	<10	1.7	<10	<0.1	6.6
5567400	614100	67400N	614100E	<0.5	22	8	<1	3540	<1	1.8	<10	2.8	<10	<0.1	3.7
5567400	614150	67400N	614150E	<0.5	30	23	<1	4870	<1	5	<10	8.3	<10	<0.1	13.8
5567400	614200	67400N	614200E	<0.5	30	10	<1	4020	<1	2.3	<10	3.3	<10	<0.1	4.6
5567400	614250	67400N	614250E	<0.5	14	1	<1	2390	<1	0.5	<10	<0.5	20	<0.1	1.4
5567400	614300	67400N	614300E	<0.5	6	<1	<1	1450	<1	<0.1	<10	<0.5	<10	<0.1	<0.5
5567400	614350	67400N	614350E	<0.5	52	69	<1	5920	<1	15.3	<10	7.6	<10	<0.1	22.3
5567400	614400	67400N	614400E	<0.5	23	17	<1	7610	<1	4.6	<10	2.7	<10	<0.1	5.6
5567400	614450	67400N	614450E	<0.5	12	2	<1	3970	<1	1.1	<10	0.6	<10	<0.1	1.6
5567400	614500	67400N	614500E	<0.5	10	3	<1	2880	<1	1	<10	0.8	<10	<0.1	1.4
5567400	614550	67400N	614550E	<0.5	11	22	<1	4080	<1	4.5	<10	3.1	<10	<0.1	6.3
5567400	614600	67400N	614600E	<0.5	12	6	<1	3280	<1	1	<10	1.1	<10	<0.1	3.6
5567400	614650	67400N	614650E	<0.5	8	8	<1	4350	<1	2	<10	0.7	<10	<0.1	25.1
5567400	614700	67400N	614700E	<0.5	12	18	<1	3340	<1	3.3	<10	4.8	10	<0.1	22.3
5567400	614750	67400N	614750E	<0.5	12	23	<1	6200	<1	5	<10	3.4	10	<0.1	17.1
5567400	614800	67400N	614800E	<0.5	25	45	<1	4560	<1	9.8	<10	9.6	<10	<0.1	25.6
5567400	614850	67400N	614850E	<0.5	30	33	<1	6020	<1	8.8	<10	4.7	10	<0.1	29
5567400	614900	67400N	614900E	<0.5	19	46	<1	4930	<1	8.6	<10	8.3	20	<0.1	22.7
5567400	614950	67400N	614950E	<0.5	12	18	<1	6330	<1	6	<10	2.6	10	<0.1	31.4
5567400	615000	67400N	615000E	<0.5	29	69	<1	6040	<1	19.4	<10	8.5	<10	<0.1	19.8
5567400	615050	67400N	615050E	*	*	*	*	*	*	*	*	*	*	*	*
5567400	615100	67400N	615100E	<0.5	12	52	<1	5120	<1	9.8	<10	9.1	<10	<0.1	19.2
5567400	615150	67400N	615150E	*	*	*	*	*	*	*	*	*	*	*	*
5567400	615200	67400N	615200E	<0.5	26	82	<1	5240	<1	15.3	<10	14.9	10	<0.1	25.2
5567500	613450	67500N	613450E	<0.5	<5	<1	<1	4550	<1	0.1	<10	<0.5	<10	<0.1	4.9
5567500	613500	67500N	613500E	<0.5	5	4	<1	3580	<1	1.1	<10	<0.5	<10	<0.1	6.5
5567500	613550	67500N	613550E	<0.5	9	24	<1	3850	<1	5.4	<10	4.7	<10	<0.1	10.6
5567500	613600	67500N	613600E	<0.5	10	21	<1	4840	<1	4.4	<10	3.6	10	<0.1	11.5
5567500	613650	67500N	613650E	<0.5	<5	2	<1	2940	<1	0.6	<10	<0.5	<10	<0.1	2.5
5567500	613700	67500N	613700E	<0.5	16	37	<1	4170	<1	7.2	<10	5.7	<10	<0.1	14.2
5567500	613750	67500N	613750E	<0.5	14	32	<1	2930	<1	5.8	<10	8.4	10	<0.1	10.6
5567500	613800	67500N	613800E	<0.5	21	27	<1	3600	<1	5.5	<10	5.6	<10	<0.1	14.7
5567500	613850	67500N	613850E	<0.5	36	32	<1	3730	<1	7.2	<10	7.8	<10	<0.1	14.5
5567500	613900	67500N	613900E	<0.5	23	40	<1	4050	<1	8	<10	6.6	80	<0.1	22.5
5567500	613950	67500N	613950E	<0.5	36	37	<1	3770	<1	7.7	<10	10.3	10	<0.1	9
5567500	614000	67500N	614000E	<0.5	21	72	<1	4910	<1	15.8	<10	11.9	<10	<0.1	14.4
5567500	614050	67500N	614050E	1.1	25	46	<1	4850	<1	9.9	<10	12.2	<10	0.1	28.5
5567500	614100	67500N	614100E	<0.5	29	36	<1	4720	<1	7.1	<10	7.3	<10	0.1	15.2
5567500	614150	67500N	614150E	<0.5	19	39	<1	4020	<1	9.1	<10	8.6	<10	0.1	16.5

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	W	Yt	Yb	Zn	Zr
DETECTION				0.5	1	0.2	10	2
UNITS				ppb	ppb	ppb	ppb	ppb
5567400	613800	67400N	613800E	<0.5	366	28.2	300	25
5567400	613850	67400N	613850E	<0.5	400	29.2	210	29
5567400	613900	67400N	613900E	<0.5	231	17.9	710	40
5567400	613950	67400N	613950E	<0.5	192	14.9	1150	19
5567400	614000	67400N	614000E	<0.5	75	5.9	180	17
5567400	614050	67400N	614050E	<0.5	69	5.5	120	7
5567400	614100	67400N	614100E	<0.5	72	5.2	110	9
5567400	614150	67400N	614150E	<0.5	191	12.6	220	30
5567400	614200	67400N	614200E	<0.5	97	6.4	410	11
5567400	614250	67400N	614250E	<0.5	26	2.4	30	5
5567400	614300	67400N	614300E	<0.5	7	0.8	20	<2
5567400	614350	67400N	614350E	<0.5	607	45.5	120	42
5567400	614400	67400N	614400E	<0.5	204	13.5	120	8
5567400	614450	67400N	614450E	<0.5	49	4.2	40	6
5567400	614500	67400N	614500E	<0.5	41	3.6	90	6
5567400	614550	67400N	614550E	<0.5	151	10.5	50	13
5567400	614600	67400N	614600E	<0.5	41	3	60	10
5567400	614650	67400N	614650E	<0.5	69	5.7	110	17
5567400	614700	67400N	614700E	<0.5	116	8.6	120	14
5567400	614750	67400N	614750E	<0.5	183	12.2	200	27
5567400	614800	67400N	614800E	<0.5	349	25.9	200	43
5567400	614850	67400N	614850E	<0.5	313	26.1	70	49
5567400	614900	67400N	614900E	<0.5	311	18.5	140	41
5567400	614950	67400N	614950E	<0.5	221	18.7	90	34
5567400	615000	67400N	615000E	<0.5	737	61.4	180	39
5567400	615050	67400N	615050E	*	*	*	*	*
5567400	615100	67400N	615100E	<0.5	332	20.7	80	18
5567400	615150	67400N	615150E	*	*	*	*	*
5567400	615200	67400N	615200E	<0.5	530	35.4	280	38
5567500	613450	67500N	613450E	<0.5	5	0.6	60	10
5567500	613500	67500N	613500E	<0.5	44	4	70	15
5567500	613550	67500N	613550E	<0.5	182	13.9	100	24
5567500	613600	67500N	613600E	<0.5	155	10	190	20
5567500	613650	67500N	613650E	<0.5	22	1.9	40	6
5567500	613700	67500N	613700E	<0.5	234	13.2	90	18
5567500	613750	67500N	613750E	<0.5	186	11.5	230	22
5567500	613800	67500N	613800E	<0.5	169	11.4	80	30
5567500	613850	67500N	613850E	<0.5	251	19	220	32
5567500	613900	67500N	613900E	<0.5	287	18.3	130	33
5567500	613950	67500N	613950E	<0.5	269	19.2	440	30
5567500	614000	67500N	614000E	<0.5	474	31.3	160	29
5567500	614050	67500N	614050E	0.5	319	24.8	120	42
5567500	614100	67500N	614100E	<0.5	245	16	80	23
5567500	614150	67500N	614150E	<0.5	299	20.9	70	28

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs
DETECTION				0.5	1	10	0.1	10	0.5	2	1	2	1	100	0.2
UNITS				ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
5567500	614200	67500N	614200E	7.8	33	<10	0.2	1770	<0.5	663	4	58	161	<100	0.2
5567500	614250	67500N	614250E	17.1	24	<10	0.2	2370	<0.5	968	5	34	71	<100	0.2
5567500	614300	67500N	614300E	17.2	29	<10	0.2	2260	<0.5	815	5	48	56	<100	1
5567500	614350	67500N	614350E	8.2	50	<10	<0.1	2180	<0.5	641	13	96	15	<100	<0.2
5567500	614400	67500N	614400E	8.3	16	<10	0.6	520	<0.5	834	4	2	103	<100	0.9
5567500	614450	67500N	614450E	19.3	14	<10	1.2	410	<0.5	660	7	2	60	<100	0.8
5567500	614500	67500N	614500E	<0.5	4	80	<0.1	50	<0.5	487	2	<2	8	<100	0.3
5567500	614550	67500N	614550E	37.5	19	20	1.4	370	<0.5	891	8	18	82	<100	<0.2
5567500	614600	67500N	614600E	12.9	28	<10	<0.1	450	<0.5	860	6	47	13	<100	0.3
5567500	614650	67500N	614650E	15.9	32	<10	0.4	540	<0.5	918	11	19	12	<100	0.5
5567500	614700	67500N	614700E	6.1	21	<10	<0.1	560	<0.5	732	10	157	24	<100	0.7
5567500	614750	67500N	614750E	6.1	25	<10	<0.1	1050	<0.5	623	10	295	64	<100	0.3
5567500	614800	67500N	614800E	11.3	27	<10	<0.1	1460	<0.5	791	6	181	69	<100	0.4
5567500	614850	67500N	614850E	8.1	23	<10	<0.1	930	<0.5	668	4	105	68	<100	0.3
5567500	614900	67500N	614900E	13.6	8	<10	0.3	640	<0.5	1040	4	3	19	<100	0.3
5567500	614950	67500N	614950E	53.9	21	<10	<0.1	1010	<0.5	684	7	140	103	<100	0.3
5567500	615000	67500N	615000E	5.8	21	<10	<0.1	580	<0.5	682	10	88	39	<100	0.3
5567500	615050	67500N	615050E	12.5	22	<10	<0.1	490	<0.5	724	6	157	61	<100	<0.2
5567500	615100	67500N	615100E	9	9	<10	<0.1	460	<0.5	748	5	38	47	<100	0.3
5567500	615150	67500N	615150E	10.2	13	<10	<0.1	870	<0.5	819	3	33	25	<100	1.2
5567600	613450	67600N	613450E	17	14	<10	0.4	1110	<0.5	747	9	6	35	<100	<0.2
5567600	613500	67600N	613500E	23.5	22	<10	1.1	2940	<0.5	863	11	18	37	<100	<0.2
5567600	613550	67600N	613550E	5	19	<10	0.1	1820	<0.5	730	13	221	101	<100	<0.2
5567600	613600	67600N	613600E	11.8	8	30	0.2	390	<0.5	709	7	<2	7	<100	<0.2
5567600	613650	67600N	613650E	11.4	10	<10	0.2	1130	<0.5	794	13	63	78	<100	<0.2
5567600	613700	67600N	613700E	24.7	65	<10	0.1	250	<0.5	286	4	18	56	<100	2.5
5567600	613750	67600N	613750E	32.9	10	<10	1.1	500	<0.5	657	6	9	320	<100	0.5
5567600	613800	67600N	613800E	23.9	17	20	2.1	960	<0.5	808	8	29	62	<100	0.3
5567600	613850	67600N	613850E	10.8	17	<10	0.3	910	<0.5	728	7	43	59	<100	0.3
5567600	613900	67600N	613900E	16	34	<10	<0.1	1880	<0.5	807	20	246	89	<100	<0.2
5567600	613950	67600N	613950E	18.7	38	<10	0.4	1540	<0.5	884	7	137	36	<100	<0.2
5567600	614000	67600N	614000E	12.3	23	<10	0.3	1790	<0.5	698	11	124	109	<100	<0.2
5567600	614050	67600N	614050E	14	13	<10	0.5	1980	<0.5	801	6	89	164	<100	<0.2
5567600	614100	67600N	614100E	57.4	19	<10	1.9	1800	<0.5	820	11	27	69	<100	<0.2
5567600	614150	67600N	614150E	9.3	17	<10	0.2	1860	<0.5	831	14	46	45	<100	<0.2
5567600	614200	67600N	614200E	9.6	22	<10	0.2	2630	<0.5	832	9	120	169	<100	<0.2
5567600	614250	67600N	614250E	6.3	33	<10	<0.1	1860	<0.5	563	9	127	13	<100	<0.2
5567600	614300	67600N	614300E	11.2	21	<10	<0.1	1390	<0.5	621	12	80	59	<100	<0.2
5567600	614350	67600N	614350E	65	10	<10	4.4	460	<0.5	718	9	3	215	<100	0.9
5567600	614400	67600N	614400E	13.5	6	<10	0.5	400	<0.5	624	6	5	205	<100	0.7
5567600	614450	67600N	614450E	26	48	20	0.1	140	<0.5	317	51	24	51	<100	1.1
5567600	614500	67600N	614500E	28.4	34	20	0.6	480	<0.5	936	16	34	31	<100	0.5
5567600	614550	67600N	614550E	35.8	16	<10	0.4	460	<0.5	1120	20	32	47	<100	0.5
5567600	614600	67600N	614600E	17.7	12	10	0.6	770	<0.5	679	4	37	54	<100	0.6

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li
DETECTION				10	0.5	0.2	0.2	1	0.5	0.5	1	0.1	0.5	1	1
UNITS				ppb	ppb	ppb	ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb
5567500	614200	67500N	614200E	2400	15.4	8	4.5	13	0.6	18.9	<1	<0.1	60.8	19	<1
5567500	614250	67500N	614250E	3700	24.4	14.3	6.5	12	0.6	32.6	<1	<0.1	33	20	<1
5567500	614300	67500N	614300E	3540	23.9	12.5	6.6	14	0.6	30.3	<1	<0.1	24.2	27	<1
5567500	614350	67500N	614350E	1390	34.3	20.5	8.3	19	1	45.9	<1	<0.1	54	45	<1
5567500	614400	67500N	614400E	8070	2	1.4	0.5	9	0.6	1.8	<1	<0.1	31.1	<1	<1
5567500	614450	67500N	614450E	14000	3.5	1.8	0.9	11	0.6	3.4	<1	<0.1	41.5	<1	2
5567500	614500	67500N	614500E	570	0.7	0.3	<0.2	3	<0.5	0.9	<1	<0.1	3	<1	7
5567500	614550	67500N	614550E	14000	10.9	6	2.6	13	<0.5	13.3	<1	<0.1	48.5	8	6
5567500	614600	67500N	614600E	860	21	12	5.1	19	<0.5	26	<1	<0.1	166	22	2
5567500	614650	67500N	614650E	3390	17.9	9.6	5.5	16	<0.5	26.2	<1	<0.1	40.9	21	3
5567500	614700	67500N	614700E	800	109	56.6	26.9	11	<0.5	143	<1	<0.1	36.5	106	7
5567500	614750	67500N	614750E	570	85.9	43.4	19.8	13	<0.5	97.8	<1	<0.1	100	92	6
5567500	614800	67500N	614800E	930	134	78.5	25.2	6	<0.5	144	<1	<0.1	30.9	65	14
5567500	614850	67500N	614850E	690	51.8	29.4	12.7	9	<0.5	69.6	<1	<0.1	89.9	47	2
5567500	614900	67500N	614900E	880	1.3	1	0.3	5	<0.5	1.2	<1	<0.1	16.4	<1	<1
5567500	614950	67500N	614950E	30100	42	21.6	11	11	0.8	55.2	<1	<0.1	64.5	61	2
5567500	615000	67500N	615000E	510	42.5	21.9	10.6	9	<0.5	53.5	<1	<0.1	70.6	44	<1
5567500	615050	67500N	615050E	610	103	63.4	20.4	9	<0.5	111	<1	<0.1	184	56	16
5567500	615100	67500N	615100E	860	60.4	38.7	10.5	6	<0.5	63.3	<1	<0.1	66.9	19	7
5567500	615150	67500N	615150E	610	34.5	19.3	7.9	7	<0.5	43.5	<1	<0.1	20	21	<1
5567600	613450	67600N	613450E	1920	8.8	5.5	1.6	8	<0.5	9.3	<1	<0.1	75.8	2	6
5567600	613500	67600N	613500E	2870	37.6	21.6	8	9	<0.5	46.2	<1	<0.1	66.5	16	4
5567600	613550	67600N	613550E	1490	65	31.6	16.4	13	<0.5	79.8	<1	<0.1	63.7	69	3
5567600	613600	67600N	613600E	2960	2.4	1.4	0.5	11	<0.5	2.8	<1	<0.1	133	2	14
5567600	613650	67600N	613650E	3350	56.8	28.4	12.2	5	<0.5	68.6	<1	<0.1	104	23	3
5567600	613700	67600N	613700E	4930	5	2.7	2.9	10	3.4	7.6	<1	<0.1	21.4	7	<1
5567600	613750	67600N	613750E	28800	3.1	1.5	0.9	6	<0.5	4.1	<1	<0.1	15	3	<1
5567600	613800	67600N	613800E	8650	14.4	7.8	4.1	11	<0.5	18.9	<1	<0.1	22.8	12	1
5567600	613850	67600N	613850E	8230	20	9.6	5.6	10	<0.5	27.5	<1	<0.1	23.8	22	<1
5567600	613900	67600N	613900E	2950	60.5	30.1	14.4	15	0.7	71.6	<1	<0.1	78.7	67	2
5567600	613950	67600N	613950E	3320	99.2	55.6	21.2	13	0.6	114	<1	<0.1	52.2	72	1
5567600	614000	67600N	614000E	2410	49.3	28	11.1	9	<0.5	60.8	<1	<0.1	113	38	<1
5567600	614050	67600N	614050E	1880	39.6	23.5	7.2	5	<0.5	43	<1	<0.1	42.1	18	1
5567600	614100	67600N	614100E	4720	22	11	5.2	8	<0.5	28	<1	<0.1	12.5	12	2
5567600	614150	67600N	614150E	1220	43.5	21.7	10.2	8	<0.5	54.3	<1	<0.1	60.5	29	<1
5567600	614200	67600N	614200E	2060	71.1	43.5	15	10	<0.5	83.1	<1	<0.1	11.5	42	<1
5567600	614250	67600N	614250E	1250	42	22.8	11.1	19	0.7	56.3	<1	<0.1	115	61	<1
5567600	614300	67600N	614300E	1580	23.9	12.4	6.6	13	0.7	33.1	<1	<0.1	126	40	<1
5567600	614350	67600N	614350E	23200	5.1	3	1.4	9	0.5	5.4	2	<0.1	11.9	2	1
5567600	614400	67600N	614400E	6140	4.1	2	0.9	5	<0.5	4.5	<1	<0.1	<0.5	<1	<1
5567600	614450	67600N	614450E	5640	6.2	3.9	1.8	29	1.8	8.1	<1	<0.1	<0.5	<1	<1
5567600	614500	67600N	614500E	6050	11.1	7	3.6	18	0.6	14.8	<1	<0.1	<0.5	<1	<1
5567600	614550	67600N	614550E	10500	15.5	8.6	4.5	12	<0.5	22.1	<1	<0.1	<0.5	<1	<1
5567600	614600	67600N	614600E	3690	13	7.5	3.6	15	0.7	17.8	<1	<0.1	<0.5	<1	<1

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb
DETECTION				0.5	100	2	0.5	1	5	0.1	5	1	0.5	0.1	1
UNITS				ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
5567500	614200	67500N	614200E	113	4000	2	<0.5	47	76	1.7	17	<1	8.4	<0.1	17
5567500	614250	67500N	614250E	190	2200	3	<0.5	57	89	1	17	<1	10	<0.1	21
5567500	614300	67500N	614300E	145	1000	2	<0.5	68	41	1	22	<1	12.1	<0.1	35
5567500	614350	67500N	614350E	127	3700	3	<0.5	101	213	1.2	20	<1	19.5	<0.1	64
5567500	614400	67500N	614400E	40.4	4500	4	<0.5	2	93	0.5	<5	<1	<0.5	<0.1	8
5567500	614450	67500N	614450E	46.1	2800	6	<0.5	4	67	0.8	<5	<1	0.5	<0.1	18
5567500	614500	67500N	614500E	210	700	2660	<0.5	1	114	0.7	19	<1	<0.5	<0.1	3
5567500	614550	67500N	614550E	198	2500	28	<0.5	28	299	2.9	6	<1	4.5	<0.1	14
5567500	614600	67500N	614600E	229	2000	11	0.8	59	779	3.6	12	<1	10.9	<0.1	82
5567500	614650	67500N	614650E	143	800	4	<0.5	62	649	2.9	8	<1	10.8	<0.1	43
5567500	614700	67500N	614700E	317	3200	6	<0.5	307	1070	2.1	8	<1	52.8	<0.1	94
5567500	614750	67500N	614750E	247	8200	4	<0.5	235	1230	1.7	17	<1	43.3	<0.1	54
5567500	614800	67500N	614800E	338	5200	3	<0.5	227	1300	1.3	16	<1	35.7	<0.1	43
5567500	614850	67500N	614850E	261	5000	3	<0.5	135	885	2.3	9	<1	22.6	<0.1	40
5567500	614900	67500N	614900E	199	900	2	<0.5	1	158	0.7	7	<1	<0.5	<0.1	14
5567500	614950	67500N	614950E	211	8700	4	<0.5	149	899	2.1	6	<1	28.7	<0.1	71
5567500	615000	67500N	615000E	300	4700	5	<0.5	120	1050	3	8	<1	22.3	<0.1	61
5567500	615050	67500N	615050E	385	5500	<2	<0.5	187	2070	3.7	7	<1	29.7	<0.1	79
5567500	615100	67500N	615100E	411	3500	5	0.5	76	777	2.5	5	<1	10.6	<0.1	63
5567500	615150	67500N	615150E	345	1000	2	<0.5	73	359	2.1	<5	<1	11.1	<0.1	41
5567600	613450	67600N	613450E	277	2800	6	<0.5	10	489	4	8	<1	1.4	<0.1	5
5567600	613500	67600N	613500E	350	2500	<2	<0.5	62	617	2.7	34	<1	9.5	<0.1	<1
5567600	613550	67600N	613550E	252	9300	9	<0.5	187	803	0.9	25	<1	33.4	<0.1	31
5567600	613600	67600N	613600E	127	1000	7	<0.5	5	545	0.7	<5	<1	0.9	<0.1	15
5567600	613650	67600N	613650E	284	5400	13	<0.5	96	757	1.7	15	<1	13.7	<0.1	44
5567600	613700	67600N	613700E	31.9	600	<2	<0.5	22	19	0.5	<5	<1	3.8	<0.1	24
5567600	613750	67600N	613750E	50	3200	<2	<0.5	9	137	1.2	6	<1	1.5	<0.1	16
5567600	613800	67600N	613800E	153	2600	<2	<0.5	41	178	2.2	12	<1	6.7	<0.1	9
5567600	613850	67600N	613850E	177	2900	10	<0.5	61	250	1	7	<1	10.5	<0.1	44
5567600	613900	67600N	613900E	150	6700	4	<0.5	164	630	0.9	40	<1	30.8	<0.1	49
5567600	613950	67600N	613950E	200	3900	3	<0.5	215	665	1.6	28	<1	36.5	<0.1	15
5567600	614000	67600N	614000E	213	8300	3	<0.5	113	698	2	22	<1	17.8	<0.1	26
5567600	614050	67600N	614050E	332	6700	2	<0.5	58	651	0.8	15	<1	8.4	<0.1	12
5567600	614100	67600N	614100E	253	3000	<2	<0.5	42	368	1.2	15	<1	6.3	<0.1	7
5567600	614150	67600N	614150E	175	4600	10	<0.5	96	447	1.5	22	<1	15.1	<0.1	31
5567600	614200	67600N	614200E	235	5500	4	<0.5	138	334	1	28	<1	22.4	<0.1	9
5567600	614250	67600N	614250E	116	2700	3	<0.5	149	283	1.3	17	<1	28.1	<0.1	45
5567600	614300	67600N	614300E	152	9700	9	<0.5	99	462	1.7	10	<1	18.4	<0.1	60
5567600	614350	67600N	614350E	70	5800	3	<0.5	6	108	0.4	<5	<1	0.9	<0.1	5
5567600	614400	67600N	614400E	<0.5	<100	<2	<0.5	<1	<5	<0.1	<5	<1	<0.5	<0.1	<1
5567600	614450	67600N	614450E	<0.5	<100	<2	<0.5	<1	<5	<0.1	<5	<1	<0.5	<0.1	<1
5567600	614500	67600N	614500E	<0.5	<100	<2	<0.5	<1	<5	<0.1	<5	<1	<0.5	<0.1	<1
5567600	614550	67600N	614550E	<0.5	<100	<2	<0.5	<1	<5	<0.1	<5	<1	<0.5	<0.1	<1
5567600	614600	67600N	614600E	<0.5	<100	<2	<0.5	<1	<5	<0.1	<5	<1	<0.5	<0.1	<1

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	TI	U
DETECTION				0.5	5	1	1	10	1	0.1	10	0.5	10	0.1	0.5
UNITS				ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
5567500	614200	67500N	614200E	<0.5	17	13	<1	5440	<1	2.5	<10	5.4	<10	<0.1	6.8
5567500	614250	67500N	614250E	<0.5	19	21	<1	8480	<1	4.3	<10	3.4	<10	<0.1	6.2
5567500	614300	67500N	614300E	<0.5	17	22	<1	9660	<1	4	<10	3.7	<10	<0.1	9.1
5567500	614350	67500N	614350E	<0.5	21	32	<1	4150	<1	6	<10	4.3	<10	0.1	6.9
5567500	614400	67500N	614400E	<0.5	<5	<1	<1	1900	<1	0.3	<10	<0.5	<10	<0.1	<0.5
5567500	614450	67500N	614450E	<0.5	9	2	<1	1050	<1	0.5	<10	<0.5	<10	<0.1	<0.5
5567500	614500	67500N	614500E	11.8	<5	<1	<1	2250	<1	0.1	<10	<0.5	<10	<0.1	277
5567500	614550	67500N	614550E	<0.5	8	9	<1	4160	<1	1.8	<10	1.5	<10	<0.1	11.2
5567500	614600	67500N	614600E	<0.5	13	19	<1	4070	<1	3.7	<10	5.1	10	0.1	22.2
5567500	614650	67500N	614650E	<0.5	8	19	<1	2940	<1	3.4	<10	4.1	<10	<0.1	6
5567500	614700	67500N	614700E	<0.5	18	100	<1	4080	<1	18.6	<10	13.5	<10	0.1	13.3
5567500	614750	67500N	614750E	<0.5	20	74	<1	3790	<1	13.7	<10	18.3	20	<0.1	14.9
5567500	614800	67500N	614800E	<0.5	20	88	<1	4250	<1	21.7	<10	10.8	<10	0.2	17.6
5567500	614850	67500N	614850E	<0.5	17	44	<1	3650	<1	8.9	<10	10	40	<0.1	20.3
5567500	614900	67500N	614900E	<0.5	<5	<1	<1	3700	<1	0.2	<10	<0.5	<10	<0.1	7
5567500	614950	67500N	614950E	<0.5	16	42	<1	3440	<1	7.6	<10	10.5	30	0.1	11.1
5567500	615000	67500N	615000E	<0.5	16	39	<1	3560	<1	7.2	<10	10.8	10	0.1	14.1
5567500	615050	67500N	615050E	<0.5	28	72	<1	4040	<1	16.2	<10	14	10	<0.1	28
5567500	615100	67500N	615100E	<0.5	17	33	<1	2890	<1	9.4	<10	4	20	<0.1	31.7
5567500	615150	67500N	615150E	<0.5	12	26	<1	5000	<1	5.6	<10	3.7	<10	<0.1	24.7
5567600	613450	67600N	613450E	<0.5	7	5	<1	3930	<1	1.3	<10	0.5	<10	<0.1	6.7
5567600	613500	67600N	613500E	<0.5	8	26	<1	4530	<1	6.6	<10	3.7	<10	<0.1	7.8
5567600	613550	67600N	613550E	<0.5	17	59	<1	4680	<1	11.1	<10	16.8	<10	0.1	19.2
5567600	613600	67600N	613600E	<0.5	<5	2	<1	2470	<1	0.4	<10	1.2	<10	<0.1	3.6
5567600	613650	67600N	613650E	<0.5	8	40	<1	4210	<1	9.8	<10	4.7	<10	<0.1	13
5567600	613700	67600N	613700E	<0.5	18	6	<1	1030	<1	1	<10	1.4	<10	<0.1	2.1
5567600	613750	67600N	613750E	<0.5	<5	3	<1	2340	<1	0.5	<10	1	<10	<0.1	3.1
5567600	613800	67600N	613800E	<0.5	8	12	<1	3770	<1	2.4	<10	2.9	<10	<0.1	7.1
5567600	613850	67600N	613850E	<0.5	11	19	<1	3110	<1	3.4	<10	6.4	<10	<0.1	5.8
5567600	613900	67600N	613900E	<0.5	21	52	<1	3980	<1	10.1	<10	12.2	<10	<0.1	9.2
5567600	613950	67600N	613950E	<0.5	27	74	<1	4570	<1	16.5	<10	8.6	<10	<0.1	19.3
5567600	614000	67600N	614000E	<0.5	15	36	<1	4310	<1	8.2	<10	6.9	<10	<0.1	16.6
5567600	614050	67600N	614050E	<0.5	13	23	<1	4970	<1	6.4	<10	3.3	<10	<0.1	17.1
5567600	614100	67600N	614100E	<0.5	10	15	<1	4950	<1	3.7	<10	1.6	<10	<0.1	14.2
5567600	614150	67600N	614150E	<0.5	9	34	<1	3900	<1	7.6	<10	4.5	<10	<0.1	14.1
5567600	614200	67600N	614200E	<0.5	25	49	<1	4840	<1	11.9	<10	4.5	<10	<0.1	21.6
5567600	614250	67600N	614250E	<0.5	22	44	<1	2890	<1	7.3	<10	7.2	<10	<0.1	7.7
5567600	614300	67600N	614300E	<0.5	14	27	<1	3060	<1	4.4	<10	8.7	10	0.1	8.2
5567600	614350	67600N	614350E	<0.5	13	3	<1	1400	<1	0.8	<10	0.8	<10	<0.1	0.7
5567600	614400	67600N	614400E	0.5	<5	<1	<1	<10	<1	<0.1	80	<0.5	<10	<0.1	<0.5
5567600	614450	67600N	614450E	<0.5	<5	<1	<1	<10	<1	<0.1	40	<0.5	<10	<0.1	<0.5
5567600	614500	67600N	614500E	<0.5	<5	<1	<1	<10	<1	<0.1	30	<0.5	<10	<0.1	<0.5
5567600	614550	67600N	614550E	<0.5	<5	<1	<1	<10	<1	<0.1	20	<0.5	<10	<0.1	<0.5
5567600	614600	67600N	614600E	<0.5	<5	<1	<1	<10	<1	<0.1	20	<0.5	<10	<0.1	<0.5

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	W	Yt	Yb	Zn	Zr
DETECTION				0.5	1	0.2	10	2
UNITS				ppb	ppb	ppb	ppb	ppb
5567500	614200	67500N	614200E	<0.5	84	6.1	110	13
5567500	614250	67500N	614250E	<0.5	140	9.2	200	10
5567500	614300	67500N	614300E	<0.5	139	9.3	200	15
5567500	614350	67500N	614350E	<0.5	217	15.6	690	19
5567500	614400	67500N	614400E	<0.5	14	1.2	40	<2
5567500	614450	67500N	614450E	<0.5	22	1.7	70	<2
5567500	614500	67500N	614500E	<0.5	5	0.3	30	<2
5567500	614550	67500N	614550E	<0.5	65	4.5	70	17
5567500	614600	67500N	614600E	<0.5	111	8.9	80	38
5567500	614650	67500N	614650E	<0.5	116	7.3	190	12
5567500	614700	67500N	614700E	<0.5	616	39	320	26
5567500	614750	67500N	614750E	<0.5	467	31.7	380	53
5567500	614800	67500N	614800E	<0.5	714	56.7	140	32
5567500	614850	67500N	614850E	<0.5	305	21.2	90	33
5567500	614900	67500N	614900E	<0.5	7	1	30	14
5567500	614950	67500N	614950E	<0.5	216	16	210	36
5567500	615000	67500N	615000E	<0.5	220	15.4	390	38
5567500	615050	67500N	615050E	<0.5	568	44.6	220	75
5567500	615100	67500N	615100E	<0.5	325	27.1	130	28
5567500	615150	67500N	615150E	<0.5	205	12.8	80	19
5567600	613450	67600N	613450E	<0.5	51	4.7	90	21
5567600	613500	67600N	613500E	<0.5	229	14.5	170	16
5567600	613550	67600N	613550E	<0.5	337	22.8	160	35
5567600	613600	67600N	613600E	<0.5	16	1.3	50	4
5567600	613650	67600N	613650E	<0.5	288	19.3	70	14
5567600	613700	67600N	613700E	<0.5	29	1.9	50	3
5567600	613750	67600N	613750E	<0.5	16	1.3	20	7
5567600	613800	67600N	613800E	<0.5	86	5.7	70	16
5567600	613850	67600N	613850E	<0.5	110	6.7	120	15
5567600	613900	67600N	613900E	<0.5	322	23.1	560	43
5567600	613950	67600N	613950E	<0.5	569	36.8	120	32
5567600	614000	67600N	614000E	<0.5	273	18.5	200	21
5567600	614050	67600N	614050E	<0.5	206	15.8	50	12
5567600	614100	67600N	614100E	<0.5	134	7.4	60	6
5567600	614150	67600N	614150E	<0.5	228	13.6	90	14
5567600	614200	67600N	614200E	<0.5	439	27.2	180	20
5567600	614250	67600N	614250E	<0.5	255	16.9	540	28
5567600	614300	67600N	614300E	<0.5	138	8.8	350	28
5567600	614350	67600N	614350E	<0.5	38	2.7	90	4
5567600	614400	67600N	614400E	0.9	<1	<0.2	<10	<2
5567600	614450	67600N	614450E	<0.5	<1	<0.2	<10	<2
5567600	614500	67600N	614500E	<0.5	<1	<0.2	<10	<2
5567600	614550	67600N	614550E	<0.5	<1	<0.2	<10	<2
5567600	614600	67600N	614600E	<0.5	<1	<0.2	<10	<2



**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs
DETECTION				0.5	1	10	0.1	10	0.5	2	1	2	1	100	0.2
UNITS				ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
5567600	614650	67600N	614650E	14.2	17	<10	0.3	580	<0.5	1060	5	8	39	<100	0.3
5567600	614700	67600N	614700E	6	30	<10	<0.1	620	<0.5	731	15	164	12	<100	0.5
5567600	614750	67600N	614750E	1.7	44	<10	<0.1	550	<0.5	568	36	106	8	<100	0.9
5567600	614800	67600N	614800E	6.1	14	<10	<0.1	690	<0.5	777	10	64	85	<100	<0.2
5567600	614850	67600N	614850E	6.1	13	<10	<0.1	1100	<0.5	745	5	159	92	<100	<0.2
5567600	614900	67600N	614900E	15.9	5	<10	0.3	540	<0.5	1060	3	3	13	<100	<0.2
5567600	614950	67600N	614950E	21	14	<10	0.2	1170	<0.5	825	9	111	115	<100	<0.2
5567600	615000	67600N	615000E	8.7	18	<10	0.1	1250	<0.5	777	6	188	140	<100	<0.2
5567600	615050	67600N	615050E	6	21	<10	<0.1	530	<0.5	688	3	183	22	<100	0.4
5567600	615100	67600N	615100E	4	9	<10	<0.1	260	<0.5	799	6	35	20	<100	<0.2
5567600	615150	67600N	615150E	16.5	12	<10	0.1	220	<0.5	902	2	15	12	<100	<0.2
5567700	613600	67700N	613600E	11.5	11	10	0.4	730	<0.5	841	6	3	16	<100	<0.2
5567700	613650	67700N	613650E	14.7	17	<10	0.1	1300	<0.5	914	7	46	38	<100	<0.2
5567700	613700	67700N	613700E	13.7	12	<10	0.1	2400	<0.5	971	6	49	41	<100	<0.2
5567700	613750	67700N	613750E	4.5	16	<10	<0.1	1930	<0.5	994	4	89	27	<100	<0.2
5567700	613800	67700N	613800E	13.8	9	<10	0.3	930	<0.5	693	4	25	39	<100	0.3
5567700	613850	67700N	613850E	6.5	22	<10	<0.1	950	<0.5	927	5	13	31	<100	<0.2
5567700	613900	67700N	613900E	16.5	22	<10	0.2	870	<0.5	945	4	10	22	<100	0.2
5567700	613950	67700N	613950E	7	30	<10	0.2	680	<0.5	706	7	16	23	<100	0.6
5567700	614000	67700N	614000E	8.3	11	<10	0.3	3650	<0.5	1000	4	5	11	<100	<0.2
5567700	614050	67700N	614050E	19.6	12	<10	1.9	4320	<0.5	1170	4	12	27	<100	0.3
5567700	614100	67700N	614100E	12	19	<10	0.4	1990	<0.5	740	5	52	56	<100	<0.2
5567700	614150	67700N	614150E	4.5	42	<10	<0.1	2030	<0.5	658	14	355	24	<100	<0.2
5567700	614200	67700N	614200E	14.8	15	<10	0.1	1520	<0.5	755	10	79	70	<100	<0.2
5567700	614250	67700N	614250E	11.7	14	<10	<0.1	2220	<0.5	720	6	203	143	<100	0.4
5567700	614300	67700N	614300E	15.5	9	<10	0.2	1430	<0.5	885	9	25	52	<100	<0.2
5567700	614350	67700N	614350E	55.6	10	10	0.8	420	<0.5	740	12	14	160	<100	0.2
5567700	614400	67700N	614400E	58.3	6	40	2	80	<0.5	512	27	<2	248	<100	0.5
5567700	614450	67700N	614450E	60.9	15	20	2.2	380	<0.5	639	13	22	137	<100	0.4
5567700	614500	67700N	614500E	43.7	15	20	0.4	330	<0.5	861	35	38	48	<100	0.3
5567700	614550	67700N	614550E	18.3	23	<10	0.5	660	<0.5	1060	22	97	227	<100	0.3
5567700	614600	67700N	614600E	36.8	8	20	0.6	390	<0.5	1120	4	4	35	<100	0.4
5567700	614650	67700N	614650E	10.5	20	<10	<0.1	750	<0.5	943	4	49	18	<100	0.5
5567700	614700	67700N	614700E	7.3	14	<10	<0.1	1070	<0.5	741	4	233	31	<100	0.3
5567700	614750	67700N	614750E	2.8	18	<10	<0.1	860	<0.5	758	9	121	54	<100	<0.2
5567700	614800	67700N	614800E	16.1	9	<10	0.2	530	<0.5	1070	5	9	16	<100	0.2
5567700	614850	67700N	614850E	29.4	10	<10	0.5	450	<0.5	1060	4	<2	37	<100	<0.2
5567700	614900	67700N	614900E	4.2	11	<10	<0.1	840	<0.5	867	4	51	55	<100	<0.2
5567700	614950	67700N	614950E	5.5	21	<10	<0.1	1010	<0.5	562	5	312	58	<100	<0.2
5567700	615000	67700N	615000E	8.4	15	<10	<0.1	590	<0.5	789	5	166	32	<100	<0.2
5567700	615050	67700N	615050E	4	10	<10	<0.1	360	<0.5	894	3	51	21	<100	<0.2
5567700	615100	67700N	615100E	6.1	7	<10	<0.1	140	<0.5	814	2	10	22	<100	<0.2
5567700	615150	67700N	615150E	49.3	9	<10	0.4	330	<0.5	1070	2	18	25	<100	<0.2
5567800	613450	67800N	613450E	53	19	<10	0.5	1450	<0.5	915	7	7	55	<100	0.3

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li
DETECTION				10	0.5	0.2	0.2	1	0.5	0.5	1	0.1	0.5	1	1
UNITS				ppb	ppb	ppb	ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb
5567600	614650	67600N	614650E	2650	7.8	5	1.6	8	<0.5	8.5	<1	<0.1	36.3	3	3
5567600	614700	67600N	614700E	890	47.1	28.3	11.8	26	<0.5	58	<1	<0.1	86.6	68	2
5567600	614750	67600N	614750E	210	33.8	19.8	8.4	13	0.5	42	<1	<0.1	77.9	39	6
5567600	614800	67600N	614800E	990	29.8	17.4	6.6	7	<0.5	36	<1	<0.1	48.4	23	5
5567600	614850	67600N	614850E	870	110	67.2	21.6	5	<0.5	126	<1	<0.1	74.8	43	8
5567600	614900	67600N	614900E	750	1	0.7	<0.2	5	<0.5	1	<1	<0.1	9.6	<1	<1
5567600	614950	67600N	614950E	860	57.7	33.2	11.4	5	<0.5	63.5	<1	<0.1	21.9	27	<1
5567600	615000	67600N	615000E	580	66.3	38.5	13.5	9	0.6	73.9	<1	<0.1	156	50	3
5567600	615050	67600N	615050E	460	52.5	27.9	13.7	12	<0.5	69.6	<1	<0.1	78.2	81	7
5567600	615100	67600N	615100E	790	21.9	13	6	7	<0.5	29.1	<1	<0.1	54	23	5
5567600	615150	67600N	615150E	870	8.4	4.9	2.1	6	<0.5	10.9	<1	<0.1	15.7	7	1
5567700	613600	67700N	613600E	2620	2.5	1.8	0.5	8	<0.5	2.6	<1	<0.1	195	<1	1
5567700	613650	67700N	613650E	1820	30.1	15.9	7.3	10	<0.5	38.8	<1	<0.1	70.7	25	<1
5567700	613700	67700N	613700E	2650	33.6	18.1	8.7	8	<0.5	46.9	<1	<0.1	69.7	26	<1
5567700	613750	67700N	613750E	1180	51.8	27.3	13	8	<0.5	70.8	<1	<0.1	72.7	47	<1
5567700	613800	67700N	613800E	1510	12.8	7.1	3.8	6	<0.5	19.2	<1	<0.1	19.8	15	<1
5567700	613850	67700N	613850E	1990	18.9	10.8	4.3	10	0.6	24.2	<1	<0.1	47.8	11	<1
5567700	613900	67700N	613900E	4490	10	6	2.7	14	<0.5	12.6	<1	<0.1	43.1	5	<1
5567700	613950	67700N	613950E	6240	7.1	4	1.9	18	0.7	8.8	<1	<0.1	55.5	7	<1
5567700	614000	67700N	614000E	2920	8.4	4.6	2.5	7	<0.5	10.1	<1	<0.1	24.2	2	<1
5567700	614050	67700N	614050E	4230	14.3	9	3.2	6	<0.5	14.3	<1	<0.1	33.7	2	2
5567700	614100	67700N	614100E	1870	30.5	15.3	8.4	11	<0.5	41.7	<1	<0.1	23.5	34	1
5567700	614150	67700N	614150E	1080	115	69.1	25.4	18	1.2	133	<1	<0.1	45.1	125	3
5567700	614200	67700N	614200E	1800	39.1	22.7	8.8	10	<0.5	51.6	<1	<0.1	66.5	24	2
5567700	614250	67700N	614250E	1280	41.4	22.2	10.2	12	<0.5	52.3	<1	<0.1	22.7	56	1
5567700	614300	67700N	614300E	2290	10.5	5.2	2.7	8	<0.5	14.4	<1	<0.1	49	10	<1
5567700	614350	67700N	614350E	13400	6.5	3.6	1.8	10	<0.5	8.1	<1	<0.1	20.5	6	14
5567700	614400	67700N	614400E	13400	1.4	1.1	0.3	10	<0.5	1.4	1	<0.1	9.2	<1	4
5567700	614450	67700N	614450E	19500	10.2	6.7	2.7	16	<0.5	13.1	<1	<0.1	27.7	10	19
5567700	614500	67700N	614500E	12600	8.8	5.5	2.5	26	<0.5	11.5	<1	<0.1	43.8	17	2
5567700	614550	67700N	614550E	6320	26.4	15.3	6.8	12	<0.5	31.7	<1	<0.1	33.1	26	2
5567700	614600	67700N	614600E	2370	2	1.5	0.3	6	<0.5	1.8	<1	<0.1	8.3	<1	3
5567700	614650	67700N	614650E	1210	37.8	22.3	9	10	<0.5	50.2	<1	<0.1	105	31	1
5567700	614700	67700N	614700E	500	128	68	29.3	8	<0.5	160	<1	<0.1	60.9	130	24
5567700	614750	67700N	614750E	520	93.4	50.9	20.2	6	<0.5	113	<1	<0.1	108	60	8
5567700	614800	67700N	614800E	1280	12.5	7.7	2.1	7	<0.5	12.5	<1	<0.1	26.2	5	7
5567700	614850	67700N	614850E	1110	2.2	1.7	0.3	6	<0.5	1.9	<1	<0.1	18.4	<1	6
5567700	614900	67700N	614900E	980	45.1	24.9	9.9	6	<0.5	56.8	<1	<0.1	34.6	21	2
5567700	614950	67700N	614950E	490	144	82.2	31.3	8	<0.5	168	<1	<0.1	118	118	8
5567700	615000	67700N	615000E	400	87.6	48.6	21.7	10	<0.5	113	<1	<0.1	57.9	125	10
5567700	615050	67700N	615050E	550	43.3	25.7	9.7	7	<0.5	56.4	<1	<0.1	77.1	32	6
5567700	615100	67700N	615100E	340	5.4	3.6	1.4	6	<0.5	7.5	<1	<0.1	33.9	6	4
5567700	615150	67700N	615150E	610	6.2	4.2	1.7	6	<0.5	7.9	<1	<0.1	9.4	8	2
5567800	613450	67800N	613450E	9150	6.1	3.9	1.6	14	<0.5	7.4	<1	<0.1	33.5	4	<1

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb
DETECTION				0.5	100	2	0.5	1	5	0.1	5	1	0.5	0.1	1
UNITS				ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
5567600	614650	67600N	614650E	311	1700	7	<0.5	13	735	1.9	<5	<1	1.9	<0.1	12
5567600	614700	67600N	614700E	238	2400	5	<0.5	158	1040	1.8	10	<1	28.1	<0.1	31
5567600	614750	67600N	614750E	183	2700	<2	<0.5	107	1230	3.5	18	<1	19.5	<0.1	136
5567600	614800	67600N	614800E	388	5300	4	<0.5	76	1640	2.2	7	<1	12.2	<0.1	26
5567600	614850	67600N	614850E	351	7300	<2	<0.5	169	1520	1.4	14	<1	24.7	<0.1	45
5567600	614900	67600N	614900E	295	500	<2	<0.5	1	127	0.6	5	<1	<0.5	<0.1	8
5567600	614950	67600N	614950E	385	7100	<2	<0.5	92	1140	1.5	14	<1	13.5	<0.1	20
5567600	615000	67600N	615000E	314	6300	14	0.5	142	1570	0.9	11	<1	24.6	<0.1	36
5567600	615050	67600N	615050E	207	1600	7	0.8	193	714	2.9	11	<1	34.5	<0.1	67
5567600	615100	67600N	615100E	374	1700	3	<0.5	71	569	2.1	<5	<1	11.8	<0.1	58
5567600	615150	67600N	615150E	330	1000	<2	<0.5	25	518	2	<5	<1	4	<0.1	18
5567700	613600	67700N	613600E	167	800	11	<0.5	3	472	1.3	8	<1	<0.5	<0.1	29
5567700	613650	67700N	613650E	174	3300	6	<0.5	77	555	1.3	24	<1	12.7	<0.1	38
5567700	613700	67700N	613700E	180	2100	3	<0.5	81	153	1	16	<1	13.2	<0.1	22
5567700	613750	67700N	613750E	207	2300	3	<0.5	145	230	0.6	9	<1	22.7	<0.1	23
5567700	613800	67700N	613800E	270	2700	<2	<0.5	44	341	1	<5	<1	7	<0.1	14
5567700	613850	67700N	613850E	235	2400	3	<0.5	37	122	1.4	<5	<1	5.9	<0.1	27
5567700	613900	67700N	613900E	165	1400	<2	<0.5	20	74	1.1	<5	<1	3	<0.1	30
5567700	613950	67700N	613950E	94.1	1900	4	<0.5	21	48	1.4	<5	<1	3.4	<0.1	96
5567700	614000	67700N	614000E	49.9	900	<2	<0.5	11	59	0.7	<5	<1	1.4	<0.1	16
5567700	614050	67700N	614050E	60.4	2700	<2	<0.5	12	80	0.3	12	<1	1.7	<0.1	19
5567700	614100	67700N	614100E	183	2600	5	<0.5	98	356	1.4	17	<1	15.9	<0.1	9
5567700	614150	67700N	614150E	184	4700	4	<0.5	300	905	0.6	55	<1	58.8	<0.1	49
5567700	614200	67700N	614200E	150	4200	4	<0.5	83	587	2.3	25	<1	13.3	<0.1	11
5567700	614250	67700N	614250E	216	7800	7	<0.5	126	480	0.7	32	<1	23.7	<0.1	42
5567700	614300	67700N	614300E	182	3300	6	<0.5	28	368	0.9	11	<1	4.8	<0.1	38
5567700	614350	67700N	614350E	151	3500	21	<0.5	18	243	0.6	6	<1	2.9	<0.1	15
5567700	614400	67700N	614400E	26.3	4500	7	<0.5	<1	141	0.3	9	<1	<0.5	<0.1	5
5567700	614450	67700N	614450E	144	2500	12	<0.5	29	230	0.8	16	<1	4.6	<0.1	9
5567700	614500	67700N	614500E	186	2500	31	<0.5	37	380	0.7	197	<1	7	<0.1	35
5567700	614550	67700N	614550E	317	9900	15	<0.5	72	1150	1.4	16	<1	13.1	<0.1	28
5567700	614600	67700N	614600E	297	1500	5	<0.5	2	231	0.7	<5	<1	<0.5	<0.1	9
5567700	614650	67700N	614650E	272	1300	3	<0.5	92	649	3.1	6	<1	14.4	<0.1	22
5567700	614700	67700N	614700E	306	3200	5	<0.5	344	992	1.4	18	<1	58	<0.1	53
5567700	614750	67700N	614750E	348	6300	2	<0.5	196	1900	2.9	22	<1	32.1	<0.1	60
5567700	614800	67700N	614800E	309	800	4	<0.5	18	699	1.6	<5	<1	2.9	<0.1	25
5567700	614850	67700N	614850E	389	1600	4	<0.5	2	679	1.6	<5	<1	<0.5	<0.1	7
5567700	614900	67700N	614900E	269	3100	4	<0.5	89	797	2.1	8	<1	12	<0.1	59
5567700	614950	67700N	614950E	295	5700	3	<0.5	360	1500	0.7	14	<1	59	<0.1	61
5567700	615000	67700N	615000E	314	2800	9	0.6	295	916	1.8	8	<1	49.2	<0.1	68
5567700	615050	67700N	615050E	344	1800	4	0.5	106	834	2.5	<5	<1	15.4	<0.1	68
5567700	615100	67700N	615100E	263	1500	<2	<0.5	18	360	2.3	<5	<1	3.1	<0.1	48
5567700	615150	67700N	615150E	421	1700	2	1.5	19	186	0.8	<5	<1	3.2	<0.1	11
5567800	613450	67800N	613450E	95.6	1500	5	<0.5	13	108	2.1	<5	<1	2	<0.1	17

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	TI	U
DETECTION				0.5	5	1	1	10	1	0.1	10	0.5	10	0.1	0.5
UNITS				ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
5567600	614650	67600N	614650E	<0.5	6	5	<1	4760	<1	1.3	<10	0.8	<10	<0.1	14.6
5567600	614700	67600N	614700E	<0.5	18	44	<1	3840	<1	8.5	<10	9.4	<10	<0.1	13.2
5567600	614750	67600N	614750E	<0.5	16	33	<1	2550	<1	6.3	<10	5.6	30	<0.1	2.3
5567600	614800	67600N	614800E	<0.5	9	25	<1	3900	<1	5.4	<10	6.4	<10	<0.1	23.9
5567600	614850	67600N	614850E	<0.5	12	74	<1	4030	<1	19.1	<10	10	<10	<0.1	25.7
5567600	614900	67600N	614900E	<0.5	<5	<1	<1	3880	<1	0.2	<10	<0.5	<10	<0.1	4.6
5567600	614950	67600N	614950E	<0.5	11	37	<1	4510	<1	9.4	<10	4.5	<10	<0.1	21.4
5567600	615000	67600N	615000E	<0.5	24	48	<1	4180	<1	11.1	<10	10.3	<10	0.4	38.6
5567600	615050	67600N	615050E	<0.5	16	57	<1	3450	<1	9.5	<10	14.3	20	<0.1	18.5
5567600	615100	67600N	615100E	<0.5	8	22	<1	2360	<1	3.9	<10	6	10	<0.1	25
5567600	615150	67600N	615150E	<0.5	6	8	<1	2350	<1	1.5	<10	2.1	<10	<0.1	28.8
5567700	613600	67700N	613600E	<0.5	<5	1	<1	3080	<1	0.4	<10	<0.5	<10	<0.1	2.3
5567700	613650	67700N	613650E	<0.5	13	27	<1	4510	<1	5.4	<10	5.2	<10	<0.1	9.7
5567700	613700	67700N	613700E	<0.5	12	32	<1	4980	<1	6.1	<10	4.3	<10	<0.1	15.3
5567700	613750	67700N	613750E	<0.5	14	51	<1	5260	<1	9.8	<10	6.9	<10	<0.1	8.7
5567700	613800	67700N	613800E	<0.5	7	14	<1	3210	<1	2.3	<10	3.3	<10	<0.1	12.3
5567700	613850	67700N	613850E	<0.5	14	15	<1	4830	<1	3.3	<10	1.7	<10	<0.1	4
5567700	613900	67700N	613900E	<0.5	13	8	<1	5640	<1	1.8	<10	1.3	<10	<0.1	2
5567700	613950	67700N	613950E	<0.5	15	6	<1	2840	<1	1.3	<10	1.8	<10	<0.1	1.9
5567700	614000	67700N	614000E	<0.5	5	5	<1	1770	<1	1.5	<10	<0.5	<10	<0.1	0.7
5567700	614050	67700N	614050E	<0.5	<5	7	<1	1960	<1	2.2	<10	<0.5	<10	<0.1	2
5567700	614100	67700N	614100E	<0.5	10	29	<1	4250	<1	5.7	<10	4.9	<10	<0.1	13.6
5567700	614150	67700N	614150E	<0.5	37	100	<1	2940	<1	19.6	<10	9.6	<10	<0.1	22.3
5567700	614200	67700N	614200E	<0.5	12	32	<1	3330	<1	7.1	<10	3.8	<10	<0.1	18.3
5567700	614250	67700N	614250E	<0.5	22	39	<1	3830	<1	7.4	<10	10.6	<10	0.1	19.2
5567700	614300	67700N	614300E	<0.5	11	10	<1	3540	<1	1.9	<10	2.2	<10	<0.1	9.5
5567700	614350	67700N	614350E	<0.5	9	6	<1	3290	<1	1.2	<10	1.6	<10	<0.1	9.1
5567700	614400	67700N	614400E	0.7	7	<1	<1	1210	<1	0.2	<10	<0.5	<10	<0.1	1
5567700	614450	67700N	614450E	<0.5	14	9	<1	3510	<1	1.9	<10	2.1	<10	<0.1	9.4
5567700	614500	67700N	614500E	0.9	11	9	<1	3440	<1	1.7	<10	2.8	<10	<0.1	10.9
5567700	614550	67700N	614550E	<0.5	16	22	<1	4260	<1	4.5	<10	6.9	10	0.1	14.2
5567700	614600	67700N	614600E	<0.5	<5	<1	<1	4430	<1	0.3	<10	<0.5	<10	<0.1	6.4
5567700	614650	67700N	614650E	<0.5	13	31	<1	5690	<1	6.8	<10	4.6	50	<0.1	22.7
5567700	614700	67700N	614700E	<0.5	24	114	<1	4040	<1	22.6	<10	16	<10	<0.1	17.5
5567700	614750	67700N	614750E	<0.5	13	72	<1	3720	<1	16.4	<10	14.5	10	<0.1	17.9
5567700	614800	67700N	614800E	<0.5	6	7	<1	3560	<1	1.9	<10	1.3	<10	<0.1	17.9
5567700	614850	67700N	614850E	<0.5	5	<1	<1	4300	<1	0.3	<10	<0.5	10	<0.1	18.5
5567700	614900	67700N	614900E	<0.5	7	33	<1	3500	<1	8.2	<10	3.4	<10	<0.1	17.3
5567700	614950	67700N	614950E	<0.5	31	116	<1	3150	<1	24.2	<10	20.6	10	0.1	21.1
5567700	615000	67700N	615000E	<0.5	25	85	<1	2950	<1	15.6	<10	15	<10	<0.1	17.4
5567700	615050	67700N	615050E	<0.5	12	37	<1	2830	<1	7.6	<10	5.3	<10	<0.1	31.4
5567700	615100	67700N	615100E	<0.5	<5	5	<1	1650	<1	0.9	<10	1.6	<10	<0.1	8.5
5567700	615150	67700N	615150E	<0.5	13	5	<1	2570	<1	1	<10	1.3	<10	<0.1	17.9
5567800	613450	67800N	613450E	<0.5	11	4	<1	2460	<1	1	<10	0.9	<10	<0.1	5

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	W	Yt	Yb	Zn	Zr
DETECTION				0.5	1	0.2	10	2
UNITS				ppb	ppb	ppb	ppb	ppb
5567600	614650	67600N	614650E	<0.5	51	4	90	17
5567600	614700	67600N	614700E	<0.5	314	19.9	690	35
5567600	614750	67600N	614750E	<0.5	204	13.9	2000	22
5567600	614800	67600N	614800E	<0.5	171	11.8	150	28
5567600	614850	67600N	614850E	<0.5	614	42.8	120	30
5567600	614900	67600N	614900E	<0.5	6	0.8	20	9
5567600	614950	67600N	614950E	<0.5	333	21.3	80	18
5567600	615000	67600N	615000E	<0.5	341	27.6	110	54
5567600	615050	67600N	615050E	<0.5	298	19.7	270	53
5567600	615100	67600N	615100E	<0.5	137	9.5	160	24
5567600	615150	67600N	615150E	<0.5	51	4.1	90	19
5567700	613600	67700N	613600E	<0.5	15	1.7	20	9
5567700	613650	67700N	613650E	<0.5	173	10.4	100	14
5567700	613700	67700N	613700E	<0.5	212	11.7	150	11
5567700	613750	67700N	613750E	<0.5	344	17.1	110	10
5567700	613800	67700N	613800E	<0.5	77	5.4	60	15
5567700	613850	67700N	613850E	<0.5	127	7.4	260	5
5567700	613900	67700N	613900E	<0.5	71	4.5	70	3
5567700	613950	67700N	613950E	<0.5	48	3.2	60	4
5567700	614000	67700N	614000E	<0.5	51	3.8	40	<2
5567700	614050	67700N	614050E	<0.5	86	7.4	20	3
5567700	614100	67700N	614100E	<0.5	183	10.4	70	16
5567700	614150	67700N	614150E	<0.5	684	48.7	180	51
5567700	614200	67700N	614200E	<0.5	246	15.1	150	19
5567700	614250	67700N	614250E	<0.5	222	14.9	90	32
5567700	614300	67700N	614300E	<0.5	65	3.8	130	9
5567700	614350	67700N	614350E	<0.5	37	2.6	160	9
5567700	614400	67700N	614400E	<0.5	12	1.1	470	<2
5567700	614450	67700N	614450E	<0.5	73	5.9	420	9
5567700	614500	67700N	614500E	<0.5	61	4.6	360	14
5567700	614550	67700N	614550E	<0.5	145	11.4	340	23
5567700	614600	67700N	614600E	<0.5	10	1.3	30	9
5567700	614650	67700N	614650E	<0.5	274	15	150	29
5567700	614700	67700N	614700E	<0.5	697	45.7	130	32
5567700	614750	67700N	614750E	<0.5	544	34.2	350	34
5567700	614800	67700N	614800E	<0.5	72	6.3	40	19
5567700	614850	67700N	614850E	<0.5	13	1.8	20	15
5567700	614900	67700N	614900E	<0.5	259	15.3	40	18
5567700	614950	67700N	614950E	<0.5	765	56.5	160	70
5567700	615000	67700N	615000E	<0.5	550	32.7	280	43
5567700	615050	67700N	615050E	<0.5	276	17.4	70	29
5567700	615100	67700N	615100E	<0.5	33	2.8	50	15
5567700	615150	67700N	615150E	1.9	37	3.1	20	18
5567800	613450	67800N	613450E	<0.5	42	3	100	5

ASHTON COPPER PROJECT

MMI DATA

UTM N	UTM E	Line	Easting	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs
DETECTION				0.5	1	10	0.1	10	0.5	2	1	2	1	100	0.2
UNITS				ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
5567800	613500	67800N	613500E	23.8	27	20	0.5	480	<0.5	450	6	6	23	<100	0.6
5567800	613550	67800N	613550E	15.7	11	10	0.6	540	<0.5	797	6	4	8	<100	<0.2
5567800	613600	67800N	613600E	15.7	9	<10	<0.1	850	<0.5	684	39	10	15	<100	0.3
5567800	613650	67800N	613650E	18.1	7	10	0.2	590	<0.5	840	6	<2	10	<100	<0.2
5567800	613700	67800N	613700E	6.5	11	30	0.4	1540	<0.5	788	4	16	37	<100	0.3
5567800	613750	67800N	613750E	11.1	6	<10	1.1	1540	<0.5	879	4	10	31	<100	<0.2
5567800	613800	67800N	613800E	26.6	10	<10	6.1	260	<0.5	560	4	<2	55	<100	0.7
5567800	613850	67800N	613850E	5	9	<10	0.4	1450	<0.5	729	5	26	69	<100	0.2
5567800	613900	67800N	613900E	5	9	10	0.4	470	<0.5	473	3	9	65	<100	0.2
5567800	613950	67800N	613950E	5.8	11	<10	0.3	340	<0.5	385	3	5	52	<100	0.5
5567800	614000	67800N	614000E	28.6	9	60	0.4	7070	<0.5	1100	5	5	21	<100	0.2
5567800	614050	67800N	614050E	7	9	<10	0.7	1070	<0.5	912	3	12	81	<100	<0.2
5567800	614100	67800N	614100E	8	10	<10	0.4	900	<0.5	762	4	26	53	<100	<0.2
5567800	614150	67800N	614150E	6.5	14	<10	<0.1	1750	<0.5	677	11	189	95	<100	<0.2
5567800	614200	67800N	614200E	2.4	48	10	<0.1	1480	<0.5	597	7	764	42	<100	0.3
5567800	614250	67800N	614250E	17.1	10	<10	0.2	2010	<0.5	864	5	26	34	<100	<0.2
5567800	614300	67800N	614300E	33.8	7	<10	1.5	400	<0.5	601	9	6	246	<100	0.3
5567800	614350	67800N	614350E	66.9	7	20	1.5	170	<0.5	617	22	5	449	<100	0.4
5567800	614400	67800N	614400E	51.6	4	30	1.2	40	<0.5	490	20	<2	488	<100	0.4
5567800	614450	67800N	614450E	56	7	30	1.2	160	<0.5	568	10	3	326	<100	0.4
5567800	614500	67800N	614500E	61.6	8	30	0.9	220	<0.5	674	33	4	249	<100	0.4
5567800	614550	67800N	614550E	22.8	5	30	0.3	470	<0.5	1100	9	<2	12	<100	0.4
5567800	614600	67800N	614600E	12.7	8	<10	0.3	610	<0.5	994	6	15	28	<100	0.2
5567800	614650	67800N	614650E	5.1	20	<10	<0.1	450	<0.5	771	6	49	22	<100	0.4
5567800	614700	67800N	614700E	16.8	15	<10	0.2	1060	<0.5	888	3	27	25	<100	0.3
5567800	614750	67800N	614750E	5.3	6	<10	<0.1	680	<0.5	841	4	11	20	<100	0.6
5567800	614800	67800N	614800E	3.1	9	<10	<0.1	840	<0.5	741	8	48	64	<100	<0.2
5567800	614850	67800N	614850E	6.8	12	<10	<0.1	1600	<0.5	828	4	45	49	<100	0.4
5567800	614900	67800N	614900E	14.5	8	<10	0.2	470	<0.5	930	4	2	35	<100	<0.2
5567800	614950	67800N	614950E	2.6	17	<10	<0.1	680	<0.5	670	4	47	26	<100	<0.2
5567800	615000	67800N	615000E	4.7	7	<10	<0.1	370	<0.5	833	2	32	26	<100	<0.2
5567800	615050	67800N	615050E	17.4	5	<10	0.1	180	<0.5	1110	1	<2	16	<100	<0.2
5567800	615100	67800N	615100E	10.2	4	<10	0.2	190	<0.5	1180	<1	2	11	<100	<0.2
5566359	6136439	3900N	500W	7	17	<10	0.1	1030	<1	1020	3	<5	37	*	<0.5
		3900N	450W	10	19	<10	0.2	3010	<1	870	4	85	54	*	0.6
		3900N	400W	9	27	<10	<0.1	1980	<1	960	9	113	20	*	<0.5
		3900N	350W	10	11	<10	<0.1	1090	<1	620	6	101	220	*	<0.5
		3900N	300W	9	32	<10	<0.1	980	<1	700	3	97	22	*	<0.5
		3900N	250W	21	27	<10	<0.1	980	<1	840	5	126	15	*	<0.5
		3900N	200W	8	68	<10	<0.1	900	<1	730	6	104	68	*	<0.5
		3900N	150W	7	69	<10	<0.1	560	<1	280	5	80	175	*	<0.5
		3900N	100W	7	12	<10	<0.1	750	<1	600	3	132	63	*	<0.5
		3900N	50W	10	16	<10	<0.1	740	<1	650	2	151	30	*	<0.5
5566370	614043	3900N	BLO	5	18	<10	<0.1	260	<1	800	3	37	6	*	<0.5

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li
DETECTION				10	0.5	0.2	0.2	1	0.5	0.5	1	0.1	0.5	1	1
UNITS				ppb	ppb	ppb	ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb
5567800	613500	67800N	613500E	11100	2.3	1.3	0.9	13	1.5	3.2	<1	<0.1	152	4	<1
5567800	613550	67800N	613550E	6840	9	4.9	2.6	10	<0.5	12.2	<1	<0.1	115	7	1
5567800	613600	67800N	613600E	2140	6.5	3.5	1.7	9	<0.5	8.3	<1	<0.1	197	6	<1
5567800	613650	67800N	613650E	3070	2.6	1.7	0.5	6	<0.5	2.5	<1	<0.1	154	<1	<1
5567800	613700	67800N	613700E	2960	8	4.2	2.7	9	<0.5	12.2	<1	<0.1	27.3	9	<1
5567800	613750	67800N	613750E	2730	5.4	3.1	1.5	5	<0.5	6.8	<1	<0.1	35.2	4	<1
5567800	613800	67800N	613800E	7660	2	1.3	0.4	6	0.6	2	<1	<0.1	24	<1	<1
5567800	613850	67800N	613850E	3870	8.5	4.2	3.3	7	<0.5	14.1	<1	<0.1	35.6	10	<1
5567800	613900	67800N	613900E	3100	3.9	2.1	1.3	7	<0.5	6	<1	<0.1	43.6	3	<1
5567800	613950	67800N	613950E	2790	5.6	4	1	9	0.6	5.7	<1	<0.1	38.1	<1	<1
5567800	614000	67800N	614000E	1180	2.4	1.4	1.4	5	<0.5	3	<1	<0.1	33.8	1	4
5567800	614050	67800N	614050E	2800	4.9	2.7	1.3	7	<0.5	6	<1	<0.1	49.1	3	<1
5567800	614100	67800N	614100E	2290	10.9	6.6	2.5	7	0.6	14.5	<1	<0.1	21.2	7	<1
5567800	614150	67800N	614150E	1270	51.8	26.2	13.1	7	<0.5	71.2	<1	<0.1	85.3	50	<1
5567800	614200	67800N	614200E	650	150	86	36.5	16	1.4	185	<1	<0.1	33.2	194	5
5567800	614250	67800N	614250E	3450	48.5	25	11.3	7	<0.5	66.6	<1	<0.1	146	29	<1
5567800	614300	67800N	614300E	9890	3	1.8	0.7	7	<0.5	3.3	1	<0.1	21.3	<1	<1
5567800	614350	67800N	614350E	11200	2.2	1.3	0.4	7	<0.5	2.1	2	<0.1	17.5	<1	2
5567800	614400	67800N	614400E	9670	0.6	0.5	<0.2	7	<0.5	0.7	5	<0.1	6.1	<1	8
5567800	614450	67800N	614450E	10900	1.4	0.8	0.2	9	<0.5	1.4	3	<0.1	15	<1	14
5567800	614500	67800N	614500E	11100	2.2	1.7	0.4	10	<0.5	2.4	1	<0.1	22.3	<1	5
5567800	614550	67800N	614550E	4110	1	0.7	0.2	6	<0.5	1	<1	<0.1	21.2	<1	5
5567800	614600	67800N	614600E	4390	12.2	6.9	3.4	7	<0.5	17	<1	<0.1	38.3	12	1
5567800	614650	67800N	614650E	830	49.3	27.6	11.9	8	<0.5	64.3	<1	<0.1	81.2	39	11
5567800	614700	67800N	614700E	660	36.3	24.6	6.5	6	<0.5	40.2	<1	<0.1	28.5	15	18
5567800	614750	67800N	614750E	740	17.8	11.3	3.3	4	<0.5	20.1	<1	<0.1	44.4	6	10
5567800	614800	67800N	614800E	830	32.5	17	7.9	5	<0.5	45.4	<1	<0.1	57.4	22	2
5567800	614850	67800N	614850E	920	62.8	36.7	12	4	<0.5	75.2	<1	<0.1	31.2	21	13
5567800	614900	67800N	614900E	870	1.5	1.1	0.3	5	<0.5	1.4	<1	<0.1	19.2	<1	<1
5567800	614950	67800N	614950E	630	26.7	15	5.9	8	<0.5	34.7	<1	<0.1	123	19	2
5567800	615000	67800N	615000E	540	25.8	16.7	5.6	5	<0.5	35.1	<1	<0.1	30.4	19	11
5567800	615050	67800N	615050E	590	1.4	1.2	<0.2	5	<0.5	1.4	<1	<0.1	8.8	<1	12
5567800	615100	67800N	615100E	290	0.9	0.7	0.2	6	<0.5	1	<1	<0.1	5.1	<1	3
5566359	6136439	3900N	500W	1400	4	2.4	1.2	8	<1	3	<1	<0.5	15.9	1	<5
		3900N	450W	1260	37	20	10.1	11	<1	46	<1	<0.5	48.6	43	<5
		3900N	400W	470	51	27	12	11	<1	62	<1	<0.5	99.7	57	<5
		3900N	350W	920	23	11.9	6	12	<1	30	<1	<0.5	11.8	46	<5
		3900N	300W	500	17	9.9	4.1	18	<1	22	<1	<0.5	17.3	42	<5
		3900N	250W	480	29	15.4	10	13	<1	41	<1	<0.5	44.2	91	<5
		3900N	200W	290	13	7.8	2.9	29	<1	13	<1	<0.5	108	24	<5
		3900N	150W	690	9	5.2	2.1	73	1	9	<1	<0.5	53.4	22	<5
		3900N	100W	600	36	19.5	8.5	11	<1	46	<1	<0.5	21.6	65	<5
		3900N	50W	820	29	15	7.9	12	<1	40	<1	<0.5	22.8	87	<5
5566370	614043	3900N	BLO	960	9	6.1	2	17	<1	12	<1	<0.5	14.7	31	<5

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb
DETECTION				0.5	100	2	0.5	1	5	0.1	5	1	0.5	0.1	1
UNITS				ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
5567800	613500	67800N	613500E	57.2	1400	3	<0.5	9	29	2.7	<5	<1	1.6	<0.1	68
5567800	613550	67800N	613550E	138	400	<2	<0.5	27	110	2.2	5	<1	3.9	<0.1	14
5567800	613600	67800N	613600E	124	1800	3	<0.5	18	204	2.9	7	<1	2.8	<0.1	84
5567800	613650	67800N	613650E	152	600	3	<0.5	3	141	1.6	<5	<1	<0.5	<0.1	36
5567800	613700	67800N	613700E	112	2100	3	<0.5	28	112	1.1	<5	<1	4.4	<0.1	19
5567800	613750	67800N	613750E	191	1600	<2	<0.5	13	115	0.7	<5	<1	2	<0.1	8
5567800	613800	67800N	613800E	50.1	3800	<2	<0.5	<1	37	0.4	<5	<1	<0.5	<0.1	11
5567800	613850	67800N	613850E	202	3100	<2	<0.5	32	91	0.8	<5	<1	4.7	<0.1	22
5567800	613900	67800N	613900E	45.8	3000	<2	<0.5	11	46	1.7	<5	<1	1.8	<0.1	20
5567800	613950	67800N	613950E	19.9	5300	<2	<0.5	5	20	0.8	<5	<1	<0.5	<0.1	21
5567800	614000	67800N	614000E	32	700	2	<0.5	4	74	0.2	13	<1	0.6	<0.1	10
5567800	614050	67800N	614050E	106	3300	<2	<0.5	10	73	0.7	<5	<1	1.4	<0.1	11
5567800	614100	67800N	614100E	170	3700	<2	<0.5	25	73	0.6	<5	<1	3.5	<0.1	9
5567800	614150	67800N	614150E	178	7700	5	<0.5	155	554	0.8	15	<1	23.8	<0.1	22
5567800	614200	67800N	614200E	199	6000	4	<0.5	487	1100	0.7	58	<1	90.1	<0.1	109
5567800	614250	67800N	614250E	183	2200	4	<0.5	103	419	1.8	20	<1	14.6	<0.1	24
5567800	614300	67800N	614300E	82.6	7700	16	<0.5	4	109	0.2	5	<1	<0.5	<0.1	9
5567800	614350	67800N	614350E	31.7	8400	16	<0.5	2	136	0.2	11	<1	<0.5	<0.1	6
5567800	614400	67800N	614400E	36.9	7700	15	<0.5	<1	126	0.2	<5	<1	<0.5	<0.1	3
5567800	614450	67800N	614450E	38.6	5300	12	<0.5	2	152	0.3	6	<1	<0.5	<0.1	7
5567800	614500	67800N	614500E	45.5	7800	45	<0.5	2	231	0.4	10	<1	<0.5	<0.1	17
5567800	614550	67800N	614550E	148	500	11	<0.5	2	108	0.4	<5	<1	<0.5	<0.1	12
5567800	614600	67800N	614600E	199	1400	7	<0.5	38	342	0.9	5	<1	6.4	<0.1	24
5567800	614650	67800N	614650E	262	2100	5	<0.5	130	1030	2.8	7	<1	20.2	<0.1	137
5567800	614700	67800N	614700E	414	1700	<2	<0.5	52	550	2.1	<5	<1	7	<0.1	17
5567800	614750	67800N	614750E	381	1100	2	<0.5	24	457	2.2	<5	<1	3.3	<0.1	47
5567800	614800	67800N	614800E	328	3600	3	<0.5	79	941	1.8	9	<1	12.1	<0.1	41
5567800	614850	67800N	614850E	400	2600	2	<0.5	87	919	2	12	<1	11.7	<0.1	46
5567800	614900	67800N	614900E	275	1400	3	<0.5	2	311	1	<5	<1	<0.5	<0.1	9
5567800	614950	67800N	614950E	281	1800	3	0.6	65	823	2.7	6	<1	9.8	<0.1	86
5567800	615000	67800N	615000E	402	1400	<2	0.5	60	635	1.6	<5	<1	9.1	<0.1	37
5567800	615050	67800N	615050E	420	700	<2	0.6	2	246	0.9	<5	<1	<0.5	<0.1	13
5567800	615100	67800N	615100E	254	600	<2	<0.5	2	116	0.2	<5	<1	<0.5	<0.1	7
5566359	6136439	3900N	500W	205	1220	<5	<0.5	5	93	0.3	<10	<1	<1	<1	<5
		3900N	450W	186	1420	<5	<0.5	106	342	0.4	10	<1	18	<1	<5
		3900N	400W	210	1810	5	<0.5	150	1040	1.9	30	<1	27	<1	95
		3900N	350W	212	10100	7	<0.5	103	941	1	<10	<1	20	<1	16
		3900N	300W	134	450	<5	<0.5	77	99	1.5	20	<1	15	<1	9
		3900N	250W	264	650	<5	0.7	161	529	2.1	20	<1	32	<1	12
		3900N	200W	179	1040	<5	<0.5	36	578	1.7	20	<1	8	<1	52
		3900N	150W	79	19500	13	1.3	37	544	3	10	<1	8	<1	82
		3900N	100W	262	2250	<5	<0.5	150	559	1.2	<10	<1	28	<1	51
		3900N	50W	244	1800	<5	0.6	153	547	1.4	10	<1	30	<1	54
5566370	614043	3900N	BLO	247	500	<5	<0.5	47	199	2.1	<10	<1	10	<1	11



**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
DETECTION				0.5	5	1	1	10	1	0.1	10	0.5	10	0.1	0.5
UNITS				ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
5567800	613500	67800N	613500E	<0.5	10	3	<1	2450	<1	0.4	<10	0.7	10	<0.1	1.9
5567800	613550	67800N	613550E	<0.5	<5	8	<1	3080	<1	1.5	<10	0.7	<10	<0.1	8.6
5567800	613600	67800N	613600E	<0.5	5	6	<1	2910	<1	1.1	<10	1	10	<0.1	3.4
5567800	613650	67800N	613650E	<0.5	<5	1	<1	3490	<1	0.4	<10	<0.5	<10	<0.1	3.7
5567800	613700	67800N	613700E	<0.5	5	8	<1	2110	<1	1.4	<10	0.9	<10	<0.1	2.9
5567800	613750	67800N	613750E	<0.5	<5	4	<1	2720	<1	0.9	<10	<0.5	<10	<0.1	4.7
5567800	613800	67800N	613800E	<0.5	6	<1	<1	1020	<1	0.3	<10	<0.5	20	<0.1	<0.5
5567800	613850	67800N	613850E	<0.5	8	9	<1	3200	<1	1.6	<10	1.1	<10	<0.1	3.9
5567800	613900	67800N	613900E	<0.5	5	4	<1	1100	<1	0.7	<10	0.6	<10	<0.1	1.5
5567800	613950	67800N	613950E	<0.5	9	3	<1	590	<1	0.9	<10	<0.5	<10	<0.1	0.7
5567800	614000	67800N	614000E	<0.5	<5	1	<1	2620	<1	0.4	<10	<0.5	<10	0.1	3.9
5567800	614050	67800N	614050E	<0.5	<5	3	<1	2520	<1	0.8	<10	<0.5	<10	<0.1	4.4
5567800	614100	67800N	614100E	<0.5	8	8	<1	2810	<1	1.8	<10	0.7	<10	<0.1	4.1
5567800	614150	67800N	614150E	<0.5	13	48	<1	3560	<1	9.1	<10	7.2	<10	<0.1	17.1
5567800	614200	67800N	614200E	<0.5	36	143	<1	2240	<1	25.6	<10	15	20	0.1	27.9
5567800	614250	67800N	614250E	<0.5	14	39	<1	3940	<1	8.7	<10	3.1	<10	<0.1	20.3
5567800	614300	67800N	614300E	<0.5	8	2	<1	1730	<1	0.5	<10	0.8	<10	<0.1	2.1
5567800	614350	67800N	614350E	<0.5	5	<1	<1	1550	<1	0.3	<10	<0.5	<10	<0.1	1.9
5567800	614400	67800N	614400E	0.5	<5	<1	<1	1040	<1	<0.1	<10	<0.5	<10	<0.1	1
5567800	614450	67800N	614450E	0.6	6	<1	<1	1980	<1	0.2	<10	<0.5	<10	<0.1	3.3
5567800	614500	67800N	614500E	0.7	5	1	<1	1760	<1	0.3	<10	<0.5	<10	0.1	4.8
5567800	614550	67800N	614550E	<0.5	<5	<1	<1	3380	<1	0.2	<10	<0.5	<10	<0.1	2.7
5567800	614600	67800N	614600E	<0.5	<5	12	<1	3750	<1	2.1	<10	1.8	<10	<0.1	8.5
5567800	614650	67800N	614650E	<0.5	9	44	<1	3010	<1	8.5	<10	6.1	10	<0.1	11.8
5567800	614700	67800N	614700E	<0.5	22	19	<1	5390	<1	5.5	<10	1.9	<10	<0.1	23.4
5567800	614750	67800N	614750E	<0.5	7	10	<1	4490	<1	2.9	<10	0.8	<10	<0.1	22.3
5567800	614800	67800N	614800E	<0.5	6	28	<1	3780	<1	5.8	<10	2.9	<10	<0.1	13.5
5567800	614850	67800N	614850E	<0.5	9	39	<1	4490	<1	10.4	<10	3.5	<10	<0.1	21.4
5567800	614900	67800N	614900E	<0.5	<5	<1	<1	3550	<1	0.2	<10	<0.5	<10	<0.1	11.1
5567800	614950	67800N	614950E	<0.5	10	21	<1	3450	<1	4.5	<10	4	<10	<0.1	19.7
5567800	615000	67800N	615000E	<0.5	7	20	<1	2960	<1	4.4	<10	2.7	<10	<0.1	30.3
5567800	615050	67800N	615050E	<0.5	<5	<1	<1	2550	<1	0.2	<10	<0.5	<10	<0.1	17.7
5567800	615100	67800N	615100E	<0.5	<5	<1	<1	2180	<1	0.1	<10	0.9	<10	<0.1	22.5
5566359	6136439	3900N	500W	<1	8	2	<1	4250	<1	<1	<10	1.3	<3	<0.5	5
		3900N	450W	<1	20	33	<1	3510	<1	6	<10	11	<3	<0.5	10
		3900N	400W	<1	20	45	<1	5850	<1	9	<10	6.7	9	<0.5	14
		3900N	350W	<1	16	25	<1	4640	<1	4	<10	5.5	11	<0.5	15
		3900N	300W	<1	14	18	<1	7210	<1	3	<10	5.3	15	<0.5	5
		3900N	250W	<1	17	35	<1	7380	<1	5	<10	5.8	9	<0.5	20
		3900N	200W	<1	62	9	<1	5730	<1	2	<10	6.2	14	<0.5	7
		3900N	150W	<1	80	8	<1	2020	<1	1	<10	9.4	139	<0.5	6
		3900N	100W	<1	18	37	<1	5330	<1	6	<10	6.6	7	<0.5	16
		3900N	50W	<1	17	35	<1	5830	<1	5	<10	15	8	<0.5	22
5566370	614043	3900N	BLO	<1	11	10	<1	5130	<1	2	<10	5.1	9	<0.5	9

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	W	Yt	Yb	Zn	Zr
DETECTION				0.5	1	0.2	10	2
UNITS				ppb	ppb	ppb	ppb	ppb
5567800	613500	67800N	613500E	<0.5	16	1.1	70	3
5567800	613550	67800N	613550E	<0.5	57	3.5	90	9
5567800	613600	67800N	613600E	<0.5	39	2.4	490	7
5567800	613650	67800N	613650E	<0.5	16	1.5	40	5
5567800	613700	67800N	613700E	<0.5	49	3.1	90	5
5567800	613750	67800N	613750E	<0.5	31	2.4	30	6
5567800	613800	67800N	613800E	<0.5	14	1	70	<2
5567800	613850	67800N	613850E	<0.5	56	2.9	90	3
5567800	613900	67800N	613900E	<0.5	26	1.6	40	4
5567800	613950	67800N	613950E	<0.5	41	3.5	30	<2
5567800	614000	67800N	614000E	<0.5	13	0.9	30	<2
5567800	614050	67800N	614050E	<0.5	34	1.9	20	3
5567800	614100	67800N	614100E	<0.5	74	4.1	30	4
5567800	614150	67800N	614150E	<0.5	294	16.4	110	22
5567800	614200	67800N	614200E	<0.5	911	65.3	210	76
5567800	614250	67800N	614250E	<0.5	311	16.8	80	19
5567800	614300	67800N	614300E	<0.5	20	1.8	80	5
5567800	614350	67800N	614350E	<0.5	16	1.2	200	3
5567800	614400	67800N	614400E	<0.5	5	0.5	360	<2
5567800	614450	67800N	614450E	<0.5	10	1	120	6
5567800	614500	67800N	614500E	<0.5	17	1.4	350	5
5567800	614550	67800N	614550E	<0.5	7	0.7	40	8
5567800	614600	67800N	614600E	<0.5	70	5.2	20	11
5567800	614650	67800N	614650E	<0.5	301	18	220	18
5567800	614700	67800N	614700E	<0.5	264	17.5	60	17
5567800	614750	67800N	614750E	<0.5	108	8.6	30	11
5567800	614800	67800N	614800E	<0.5	175	11.2	120	17
5567800	614850	67800N	614850E	<0.5	380	23.9	70	14
5567800	614900	67800N	614900E	<0.5	10	1.3	40	15
5567800	614950	67800N	614950E	<0.5	158	10.7	90	49
5567800	615000	67800N	615000E	<0.5	174	11.8	50	20
5567800	615050	67800N	615050E	<0.5	9	1.5	20	20
5567800	615100	67800N	615100E	<0.5	6	0.9	10	20
5566359	6136439	3900N	500W	<1	20	2	20	5
		3900N	450W	<1	246	14	200	21
		3900N	400W	<1	304	20	390	31
		3900N	350W	<1	132	8	40	42
		3900N	300W	<1	109	8	100	18
		3900N	250W	<1	190	11	200	17
		3900N	200W	<1	77	6	280	40
		3900N	150W	<1	52	4	760	72
		3900N	100W	<1	204	14	50	36
		3900N	50W	<1	169	11	110	36
5566370	614043	3900N	BLO	<1	69	6	70	7

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs
DETECTION				0.5	1	10	0.1	10	0.5	2	1	2	1	100	0.2
UNITS				ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
		3900N	50E	8	25	<10	<0.1	470	<1	720	4	75	8	*	<0.5
		3900N	100E	16	15	20	0.4	460	<1	740	17	9	12	*	<0.5
		3900N	150E	17	11	30	0.3	630	<1	630	9	18	26	*	<0.5
		3900N	200E	16	13	20	0.3	890	<1	750	18	26	44	*	<0.5
		3900N	250E	18	9	<10	0.2	860	<1	770	28	8	16	*	<0.5
		3900N	300E	19	18	<10	0.2	1050	<1	620	4	22	12	*	<0.5
		3900N	350E	10	22	10	0.1	1550	<1	680	9	144	144	*	<0.5
5566344	614392	3900N	400E	14	5	60	<0.1	1010	<1	630	101	55	133	*	<0.5
		3900N	450E	14	16	30	0.2	1170	<1	760	71	143	138	*	<0.5
		3900N	500E	33	14	40	0.4	660	<1	900	54	8	20	*	<0.5
5566459	613640	4000N	500W	5	17	<10	<0.1	1040	<1	780	14	<5	8	*	<0.5
		4000N	450W	13	28	<10	0.1	3560	<1	1030	8	75	15	*	<0.5
		4000N	400W	9	29	<10	<0.1	640	<1	800	6	11	9	*	<0.5
		4000N	350W	16	16	<10	<0.1	1270	<1	1090	5	40	16	*	<0.5
		4000N	300W	10	14	<10	<0.1	810	<1	840	8	102	43	*	<0.5
		4000N	250W	8	20	<10	<0.1	770	<1	910	3	63	16	*	<0.5
		4000N	200W	17	19	<10	0.2	610	<1	760	3	31	10	*	<0.5
		4000N	150W	10	12	<10	<0.1	660	<1	630	3	34	10	*	<0.5
		4000N	100W	9	18	<10	<0.1	730	<1	680	4	88	12	*	<0.5
		4000N	50W	31	8	<10	1	2490	<1	780	5	5	24	*	<0.5
5566461	614040	4000N	BLO	8	14	20	0.2	1100	<1	560	14	38	18	*	<0.5
		4000N	50E	52	9	<10	1.3	270	<1	490	15	31	51	*	1.1
		4000N	100E	29	12	20	1.7	1120	<1	880	18	26	17	*	<0.5
		4000N	150E	168	6	130	2.1	640	<1	930	42	<5	27	*	<0.5
		4000N	200E	20	11	10	<0.1	430	<1	490	8	19	25	*	<0.5
		4000N	250E	22	8	10	0.2	1130	<1	800	12	11	21	*	<0.5
		4000N	300E	30	12	<10	0.8	630	<1	990	3	7	12	*	<0.5
		4000N	350E	13	17	10	0.2	1130	<1	790	24	51	50	*	<0.5
5566437	614395	4000N	400E	19	31	20	0.2	1170	<1	840	71	95	57	*	<0.5
		4000N	450E	19	21	30	0.4	980	<1	930	194	71	183	*	1
		4100N	700W	10	*	0.5	0.05	*	0.5	*	*	6	14	*	*
		4100N	650W	14	*	0.5	0.05	*	0.5	*	*	22	15	*	*
		4100N	600W	10	*	0.5	0.05	*	0.5	*	*	5	7	*	*
		4100N	550W	10	*	0.5	0.05	*	0.5	*	*	7	8	*	*
		4100N	500W	7	*	0.5	0.05	*	0.5	*	*	61	37	*	*
		4100N	450W	9	*	0.5	0.05	*	0.5	*	*	51	39	*	*
		4100N	400W	9	*	0.5	0.05	*	0.5	*	*	59	18	*	*
		4100N	350W	11	*	0.5	0.05	*	0.5	*	*	44	23	*	*
		4100N	300W	6	*	0.5	0.05	*	0.5	*	*	37	23	*	*
		4100N	250W	15	*	0.5	0.05	*	0.5	*	*	14	11	*	*
		4100N	200W	17	*	0.5	0.3	*	0.5	*	*	27	43	*	*
		4100N	150W	17	*	10	0.2	*	0.5	*	*	29	17	*	*
		4100N	100W	13	*	0.5	1.3	*	0.5	*	*	21	24	*	*
		4100N	50W	56	*	0.5	0.8	*	0.5	*	*	13	21	*	*

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li
DETECTION				10	0.5	0.2	0.2	1	0.5	0.5	1	0.1	0.5	1	1
UNITS				ppb	ppb	ppb	ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb
		3900N	50E	350	15	7.9	3.6	16	<1	21	<1	<0.5	57.3	42	<5
		3900N	100E	3870	9	5.4	2	13	<1	9	<1	<0.5	100	8	<5
		3900N	150E	1340	10	5.2	3.8	8	<1	15	<1	<0.5	72	15	<5
		3900N	200E	2080	10	5.8	3.1	10	<1	13	<1	<0.5	25.8	11	<5
		3900N	250E	990	4	2.3	1.4	7	<1	6	<1	<0.5	23.9	5	<5
		3900N	300E	380	6	2.7	3.6	9	<1	10	<1	<0.5	35.2	17	<5
		3900N	350E	1170	22	12.6	8.2	20	<1	33	<1	<0.5	12.3	54	<5
5566344	614392	3900N	400E	1610	9	5	2.4	16	<1	12	<1	<0.5	16.2	20	<5
		3900N	450E	1370	39	22.3	6.5	10	<1	44	<1	<0.5	9.3	46	<5
		3900N	500E	2650	10	5.5	2.3	10	<1	11	<1	<0.5	11.7	7	<5
5566459	613640	4000N	500W	760	<1	0.6	<0.5	8	<1	1	<1	<0.5	134	1	<5
		4000N	450W	650	30	16.7	6.7	15	<1	35	<1	<0.5	171	30	<5
		4000N	400W	980	5	2.2	1.6	10	<1	6	<1	<0.5	81.6	7	<5
		4000N	350W	720	23	12.6	6.3	8	<1	31	<1	<0.5	19.6	27	<5
		4000N	300W	540	53	29.9	13.7	6	<1	65	<1	<0.5	6.9	56	<5
		4000N	250W	340	20	10.9	6.2	8	<1	29	<1	<0.5	9.1	53	<5
		4000N	200W	820	36	20.1	6.8	8	<1	44	<1	<0.5	62.9	35	<5
		4000N	150W	650	20	11	3.6	9	<1	26	<1	<0.5	18.6	35	<5
		4000N	100W	620	32	16.8	7.6	11	<1	43	<1	<0.5	65.3	75	<5
		4000N	50W	890	10	6.7	2.4	7	<1	10	<1	<0.5	19.9	2	<5
5566461	614040	4000N	BLO	1790	31	19	8.3	11	<1	36	<1	<0.5	130	24	<5
		4000N	50E	880	15	9.8	3.3	8	<1	15	<1	<0.5	35.2	5	<5
		4000N	100E	1280	30	17.7	7.1	8	<1	35	<1	<0.5	34.3	18	<5
		4000N	150E	1670	6	4	1.1	7	<1	7	<1	<0.5	48.6	3	13
		4000N	200E	600	38	22.9	6.2	10	<1	41	<1	<0.5	46.1	6	<5
		4000N	250E	1280	7	3.8	2.1	9	<1	9	<1	<0.5	39.9	9	<5
		4000N	300E	820	4	2.1	1.9	6	<1	7	<1	<0.5	20	8	<5
		4000N	350E	1420	21	11.5	5.4	12	<1	27	<1	<0.5	48.6	25	<5
5566437	614395	4000N	400E	1340	40	24.1	7.5	17	<1	43	<1	<0.5	49	40	<5
		4000N	450E	1470	30	18.1	5	11	<1	30	<1	<0.5	13.2	27	<5
		4100N	700W	1500	*	*	*	*	*	*	*	*	*	*	*
		4100N	650W	1110	*	*	*	*	*	*	*	*	*	*	*
		4100N	600W	1400	*	*	*	*	*	*	*	*	*	*	*
		4100N	550W	1180	*	*	*	*	*	*	*	*	*	*	*
		4100N	500W	850	*	*	*	*	*	*	*	*	*	*	*
		4100N	450W	290	*	*	*	*	*	*	*	*	*	*	*
		4100N	400W	370	*	*	*	*	*	*	*	*	*	*	*
		4100N	350W	260	*	*	*	*	*	*	*	*	*	*	*
		4100N	300W	230	*	*	*	*	*	*	*	*	*	*	*
		4100N	250W	330	*	*	*	*	*	*	*	*	*	*	*
		4100N	200W	2150	*	*	*	*	*	*	*	*	*	*	*
		4100N	150W	1440	*	*	*	*	*	*	*	*	*	*	*
		4100N	100W	1000	*	*	*	*	*	*	*	*	*	*	*
		4100N	50W	660	*	*	*	*	*	*	*	*	*	*	*

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb
DETECTION				0.5	100	2	0.5	1	5	0.1	5	1	0.5	0.1	1
UNITS				ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
		3900N	50E	192	670	<5	0.5	76	145	2.3	20	<1	15	<1	66
		3900N	100E	129	570	25	<0.5	22	171	1.6	<10	<1	4	<1	31
		3900N	150E	134	890	9	<0.5	43	88	1	20	<1	7	<1	21
		3900N	200E	119	2460	8	<0.5	34	105	1.6	20	<1	6	<1	12
		3900N	250E	49	1230	<5	<0.5	17	54	0.9	20	<1	3	<1	28
		3900N	300E	70	470	<5	<0.5	42	30	1.9	30	<1	7	<1	7
		3900N	350E	112	5850	7	<0.5	121	81	0.9	30	<1	23	<1	15
5566344	614392	3900N	400E	96	19000	52	1.4	46	553	1.1	30	<1	8	<1	29
		3900N	450E	133	8730	20	0.5	103	626	0.6	110	<1	19	<1	12
		3900N	500E	85	1300	11	0.6	22	175	1.4	50	<1	4	<1	13
5566459	613640	4000N	500W	93	1830	<5	<0.5	3	89	2.6	20	<1	<1	<1	34
		4000N	450W	164	1960	6	<0.5	85	645	1.4	50	<1	15	<1	39
		4000N	400W	151	1190	<5	<0.5	18	164	3.4	20	<1	3	<1	44
		4000N	350W	285	740	<5	<0.5	74	372	1.5	20	<1	13	<1	27
		4000N	300W	269	2040	<5	<0.5	153	952	1	20	<1	27	<1	14
		4000N	250W	265	500	<5	0.6	98	256	2.1	10	<1	19	<1	6
		4000N	200W	316	530	<5	<0.5	102	768	2.1	10	<1	18	<1	37
		4000N	150W	309	420	<5	<0.5	82	669	2.3	<10	<1	15	<1	14
		4000N	100W	241	810	<5	<0.5	134	699	2.1	20	<1	27	<1	103
		4000N	50W	92	1610	8	<0.5	10	95	0.2	10	<1	1	<1	11
5566461	614040	4000N	BLO	112	2470	10	<0.5	80	139	0.8	10	<1	13	<1	81
		4000N	50E	85	5830	9	<0.5	20	86	0.2	20	<1	3	<1	23
		4000N	100E	146	2120	6	<0.5	69	74	0.8	20	<1	11	<1	17
		4000N	150E	230	820	38	<0.5	10	491	1.1	130	<1	2	<1	13
		4000N	200E	139	1690	15	<0.5	36	171	0.3	20	<1	5	<1	37
		4000N	250E	120	940	7	<0.5	25	64	1.2	20	<1	4	<1	14
		4000N	300E	154	440	<5	<0.5	20	87	0.7	10	<1	3	<1	10
		4000N	350E	80	1830	11	<0.5	71	174	0.9	30	<1	12	<1	30
5566437	614395	4000N	400E	115	6720	<5	<0.5	94	369	1.4	130	<1	17	<1	37
		4000N	450E	130	12100	6	<0.5	63	486	1.1	200	<1	11	<1	21
		4100N	700W	*	*	2.5	*	*	33	*	0.5	*	*	*	*
		4100N	650W	*	*	2.5	*	*	44	*	20	*	*	*	*
		4100N	600W	*	*	2.5	*	*	22	*	10	*	*	*	*
		4100N	550W	*	*	2.5	*	*	57	*	10	*	*	*	*
		4100N	500W	*	*	2.5	*	*	213	*	20	*	*	*	*
		4100N	450W	*	*	2.5	*	*	390	*	10	*	*	*	*
		4100N	400W	*	*	2.5	*	*	371	*	10	*	*	*	*
		4100N	350W	*	*	2.5	*	*	477	*	0.5	*	*	*	*
		4100N	300W	*	*	2.5	*	*	367	*	0.5	*	*	*	*
		4100N	250W	*	*	2.5	*	*	384	*	0.5	*	*	*	*
		4100N	200W	*	*	2.5	*	*	292	*	30	*	*	*	*
		4100N	150W	*	*	7	*	*	80	*	10	*	*	*	*
		4100N	100W	*	*	2.5	*	*	102	*	10	*	*	*	*
		4100N	50W	*	*	2.5	*	*	59	*	30	*	*	*	*

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
DETECTION				0.5	5	1	1	10	1	0.1	10	0.5	10	0.1	0.5
UNITS				ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
		3900N	50E	<1	17	18	<1	7500	<1	3	<10	6.6	9	<0.5	12
		3900N	100E	<1	15	7	<1	3970	<1	1	<10	1	7	<0.5	11
		3900N	150E	<1	8	11	<1	4300	<1	2	<10	2.6	13	<0.5	15
		3900N	200E	<1	7	10	<1	4970	<1	2	<10	2.3	8	<0.5	14
		3900N	250E	<1	<5	5	<1	4140	<1	<1	<10	1.2	5	<0.5	17
		3900N	300E	<1	<5	9	<1	7540	<1	1	<10	3.6	26	<0.5	10
		3900N	350E	<1	12	28	<1	5800	<1	4	<10	10	10	<0.5	18
5566344	614392	3900N	400E	<1	10	11	<1	2390	<1	2	<10	7.1	14	<0.5	35
		3900N	450E	<1	26	30	<1	2720	<1	7	<10	11.2	8	<0.5	29
		3900N	500E	<1	8	7	<1	3700	<1	2	<10	1.2	6	<0.5	19
5566459	613640	4000N	500W	<1	<5	<1	<1	3110	<1	<1	<10	0.6	6	<0.5	2
		4000N	450W	<1	13	26	<1	9190	<1	5	<10	10.7	<3	<0.5	17
		4000N	400W	<1	5	5	<1	3480	<1	<1	<10	1.2	8	<0.5	5
		4000N	350W	<1	15	22	<1	5560	<1	4	<10	2.3	4	<0.5	10
		4000N	300W	<1	14	46	<1	6210	<1	9	<10	8.6	<3	<0.5	21
		4000N	250W	<1	17	23	<1	7480	<1	4	<10	4.1	7	<0.5	17
		4000N	200W	<1	20	29	<1	4600	<1	6	<10	3.1	3	<0.5	24
		4000N	150W	<1	10	20	<1	4280	<1	3	<10	2.6	6	<0.5	9
		4000N	100W	<1	18	34	<1	5190	<1	6	<10	9.4	7	<0.5	19
		4000N	50W	<1	12	5	<1	1740	<1	1	<10	1.6	<3	<0.5	6
5566461	614040	4000N	BLO	<1	17	26	<1	1810	<1	5	<10	4.9	<3	<0.5	13
		4000N	50E	<1	9	8	<1	1190	<1	2	<10	1.9	<3	<0.5	4
		4000N	100E	<1	12	23	<1	2450	<1	5	<10	2.5	<3	<0.5	10
		4000N	150E	<1	8	4	<1	3290	<1	1	<10	0.5	<3	<0.5	38
		4000N	200E	<1	23	20	<1	1750	<1	6	<10	5.9	26	<0.5	22
		4000N	250E	<1	7	6	<1	4660	<1	1	<10	1.3	4	<0.5	15
		4000N	300E	<1	8	5	<1	8330	<1	<1	<10	1.1	<3	<0.5	12
		4000N	350E	<1	11	20	<1	5050	<1	4	<10	4.3	5	<0.5	22
5566437	614395	4000N	400E	<1	28	29	<1	4220	<1	6	<10	6.8	9	<0.5	14
		4000N	450E	<1	24	20	<1	3520	<1	5	<10	5.6	11	<0.5	20
		4100N	700W	*	*	*	*	*	*	*	*	*	*	*	5
		4100N	650W	*	*	*	*	*	*	*	*	*	*	*	4
		4100N	600W	*	*	*	*	*	*	*	*	*	*	*	1
		4100N	550W	*	*	*	*	*	*	*	*	*	*	*	5
		4100N	500W	*	*	*	*	*	*	*	*	*	*	*	3
		4100N	450W	*	*	*	*	*	*	*	*	*	*	*	3
		4100N	400W	*	*	*	*	*	*	*	*	*	*	*	5
		4100N	350W	*	*	*	*	*	*	*	*	*	*	*	8
		4100N	300W	*	*	*	*	*	*	*	*	*	*	*	5
		4100N	250W	*	*	*	*	*	*	*	*	*	*	*	7
		4100N	200W	*	*	*	*	*	*	*	*	*	*	*	3
		4100N	150W	*	*	*	*	*	*	*	*	*	*	*	4
		4100N	100W	*	*	*	*	*	*	*	*	*	*	*	3
		4100N	50W	*	*	*	*	*	*	*	*	*	*	*	2

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	W	Yt	Yb	Zn	Zr
DETECTION				0.5	1	0.2	10	2
UNITS				ppb	ppb	ppb	ppb	ppb
		3900N	50E	<1	95	6	290	18
		3900N	100E	<1	46	4	270	14
		3900N	150E	<1	60	4	90	8
		3900N	200E	<1	62	4	220	9
		3900N	250E	<1	27	2	310	5
		3900N	300E	<1	36	2	110	7
		3900N	350E	<1	143	9	140	20
5566344	614392	3900N	400E	<1	57	4	1150	32
		3900N	450E	<1	208	16	1490	38
		3900N	500E	<1	64	4	870	9
5566459	613640	4000N	500W	<1	7	<1	220	<5
		4000N	450W	<1	178	12	340	21
		4000N	400W	<1	30	2	160	<5
		4000N	350W	<1	141	8	200	13
		4000N	300W	<1	322	19	100	24
		4000N	250W	<1	126	7	110	14
		4000N	200W	<1	231	14	80	31
		4000N	150W	<1	128	8	70	23
		4000N	100W	<1	201	12	150	23
		4000N	50W	<1	69	6	70	<5
5566461	614040	4000N	BLO	<1	214	15	180	7
		4000N	50E	<1	111	8	130	<5
		4000N	100E	<1	188	14	170	<5
		4000N	150E	<1	46	3	570	<5
		4000N	200E	<1	213	19	60	28
		4000N	250E	<1	44	3	190	9
		4000N	300E	<1	27	2	<20	<5
		4000N	350E	<1	132	8	1320	23
5566437	614395	4000N	400E	<1	263	19	3160	28
		4000N	450E	<1	190	14	4700	21
		4100N	700W	0.5	*	*	50	*
		4100N	650W	0.5	*	*	250	*
		4100N	600W	0.5	*	*	80	*
		4100N	550W	0.5	*	*	240	*
		4100N	500W	0.5	*	*	180	*
		4100N	450W	0.5	*	*	230	*
		4100N	400W	0.5	*	*	110	*
		4100N	350W	0.5	*	*	60	*
		4100N	300W	0.5	*	*	90	*
		4100N	250W	0.5	*	*	70	*
		4100N	200W	0.5	*	*	200	*
		4100N	150W	0.5	*	*	970	*
		4100N	100W	0.5	*	*	480	*
		4100N	50W	0.5	*	*	7110	*

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs
DETECTION				0.5	1	10	0.1	10	0.5	2	1	2	1	100	0.2
UNITS				ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
5566553	614046	4100N	0	28	*	10	1.2	*	0.5	*	*	82	94	*	*
		4100N	50E	27	*	0.5	0.9	*	0.5	*	*	76	111	*	*
		4100N	100E	60	*	10	2.2	*	0.5	*	*	22	27	*	*
5566550	614171	4100N	150E	5	*	0.5	0.1	*	0.5	*	*	238	21	*	*
		4100N	200E	10	*	10	0.2	*	0.5	*	*	124	93	*	*
		4100N	250E	8	*	0.5	0.05	*	0.5	*	*	65	39	*	*
5566555	614301	4100N	300E	53	*	30	1.7	*	0.5	*	*	2.5	26	*	*
		4100N	350E	10	*	30	0.7	*	0.5	*	*	2.5	165	*	*
5566535	614397	4100N	400E	25	*	40	0.5	*	0.5	*	*	2.5	35	*	*
		4100N	450E	58	*	70	1.8	*	0.5	*	*	2.5	128	*	*
		4100N	500E	22	*	30	0.9	*	0.5	*	*	2.5	568	*	*
5566526	614522	4100N	550E	68	*	70	1.5	*	0.5	*	*	2.5	59	*	*
		4100N	600E	*	*	*	*	*	*	*	*	*	*	*	*
		4100N	650E	26	*	0.5	0.3	*	0.5	*	*	2.5	12	*	*
5566515	614672	4100N	700E	40	*	40	3.1	*	0.5	*	*	8	67	*	*
		4200N	700W	11	*	0.5	0.05	*	0.5	*	*	26	49	*	*
		4200N	650W	*	*	*	*	*	*	*	*	*	*	*	*
		4200N	600W	18	*	0.5	0.1	*	0.5	*	*	37	36	*	*
		4200N	550W	7	*	0.5	0.05	*	0.5	*	*	98	31	*	*
		4200N	500W	11	*	0.5	0.05	*	0.5	*	*	49	15	*	*
		4200N	450W	6	*	0.5	0.05	*	0.5	*	*	98	13	*	*
		4200N	400W	28	*	0.5	0.4	*	0.5	*	*	54	37	*	*
		4200N	350W	7	*	10	0.05	*	0.5	*	*	12	15	*	*
		4200N	300W	29	*	20	1.6	*	0.5	*	*	24	36	*	*
		4200N	250W	24	*	110	0.8	*	0.5	*	*	5	22	*	*
		4200N	200W	36	*	210	1.1	*	0.5	*	*	5	61	*	*
		4200N	150W	21	*	160	0.5	*	0.5	*	*	2.5	82	*	*
		4200N	100W	43	*	100	2.6	*	0.5	*	*	2.5	143	*	*
		4200N	50W	69	*	250	3.4	*	0.5	*	*	2.5	78	*	*
5566646	614043	4200N	0	54	*	10	1.2	*	0.5	*	*	13	71	*	*
		4200N	50E	21	*	0.5	0.3	*	0.5	*	*	42	95	*	*
		4200N	100E	72	*	20	1.9	*	0.5	*	*	18	118	*	*
		4200N	150E	11	*	0.5	0.05	*	0.5	*	*	22	34	*	*
5566646	614213	4200N	200E	18	*	0.5	0.05	*	0.5	*	*	62	96	*	*
		4200N	250E	28	*	0.5	1.1	*	0.5	*	*	50	92	*	*
		4200N	300E	49	*	20	1.9	*	0.5	*	*	65	128	*	*
		4200N	350E	31	*	30	1.6	*	0.5	*	*	2.5	101	*	*
5566633	614392	4200N	400E	28	*	160	0.8	*	0.5	*	*	7	105	*	*
		4200N	450E	15	*	50	0.4	*	0.5	*	*	2.5	87	*	*
		4200N	500E	42	*	70	0.9	*	0.5	*	*	2.5	78	*	*
		4200N	550E	21	*	120	1.6	*	0.5	*	*	2.5	427	*	*
		4200N	600E	50	*	50	4.5	*	0.5	*	*	12	181	*	*
		4200N	650E	*	*	*	*	*	*	*	*	*	*	*	*
5566642	614668	4200N	700E	19	*	20	0.1	*	0.5	*	*	9	53	*	*



**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li
DETECTION				10	0.5	0.2	0.2	1	0.5	0.5	1	0.1	0.5	1	1
UNITS				ppb	ppb	ppb	ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb
5566553	614046	4100N	0	990	*	*	*	*	*	*	*	*	*	*	*
		4100N	50E	650	*	*	*	*	*	*	*	*	*	*	*
		4100N	100E	930	*	*	*	*	*	*	*	*	*	*	*
5566550	614171	4100N	150E	620	*	*	*	*	*	*	*	*	*	*	*
		4100N	200E	1000	*	*	*	*	*	*	*	*	*	*	*
		4100N	250E	560	*	*	*	*	*	*	*	*	*	*	*
5566555	614301	4100N	300E	630	*	*	*	*	*	*	*	*	*	*	*
		4100N	350E	1190	*	*	*	*	*	*	*	*	*	*	*
5566535	614397	4100N	400E	670	*	*	*	*	*	*	*	*	*	*	*
		4100N	450E	3870	*	*	*	*	*	*	*	*	*	*	*
		4100N	500E	21800	*	*	*	*	*	*	*	*	*	*	*
5566526	614522	4100N	550E	2220	*	*	*	*	*	*	*	*	*	*	*
		4100N	600E	*	*	*	*	*	*	*	*	*	*	*	*
		4100N	650E	630	*	*	*	*	*	*	*	*	*	*	*
5566515	614672	4100N	700E	3180	*	*	*	*	*	*	*	*	*	*	*
		4200N	700W	1180	*	*	*	*	*	*	*	*	*	*	*
		4200N	650W	*	*	*	*	*	*	*	*	*	*	*	*
		4200N	600W	1460	*	*	*	*	*	*	*	*	*	*	*
		4200N	550W	1040	*	*	*	*	*	*	*	*	*	*	*
		4200N	500W	840	*	*	*	*	*	*	*	*	*	*	*
		4200N	450W	330	*	*	*	*	*	*	*	*	*	*	*
		4200N	400W	2050	*	*	*	*	*	*	*	*	*	*	*
		4200N	350W	1530	*	*	*	*	*	*	*	*	*	*	*
		4200N	300W	4100	*	*	*	*	*	*	*	*	*	*	*
		4200N	250W	2530	*	*	*	*	*	*	*	*	*	*	*
		4200N	200W	3190	*	*	*	*	*	*	*	*	*	*	*
		4200N	150W	2640	*	*	*	*	*	*	*	*	*	*	*
		4200N	100W	3140	*	*	*	*	*	*	*	*	*	*	*
		4200N	50W	2960	*	*	*	*	*	*	*	*	*	*	*
5566646	614043	4200N	0	3070	*	*	*	*	*	*	*	*	*	*	*
		4200N	50E	1880	*	*	*	*	*	*	*	*	*	*	*
		4200N	100E	1920	*	*	*	*	*	*	*	*	*	*	*
		4200N	150E	490	*	*	*	*	*	*	*	*	*	*	*
5566646	614213	4200N	200E	1110	*	*	*	*	*	*	*	*	*	*	*
		4200N	250E	1290	*	*	*	*	*	*	*	*	*	*	*
		4200N	300E	2150	*	*	*	*	*	*	*	*	*	*	*
		4200N	350E	3480	*	*	*	*	*	*	*	*	*	*	*
5566633	614392	4200N	400E	3060	*	*	*	*	*	*	*	*	*	*	*
		4200N	450E	2010	*	*	*	*	*	*	*	*	*	*	*
		4200N	500E	3460	*	*	*	*	*	*	*	*	*	*	*
		4200N	550E	2980	*	*	*	*	*	*	*	*	*	*	*
		4200N	600E	7720	*	*	*	*	*	*	*	*	*	*	*
		4200N	650E	*	*	*	*	*	*	*	*	*	*	*	*
5566642	614668	4200N	700E	2020	*	*	*	*	*	*	*	*	*	*	*

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb
DETECTION				0.5	100	2	0.5	1	5	0.1	5	1	0.5	0.1	1
UNITS				ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
5566553	614046	4100N	0	*	*	8	*	*	378	*	20	*	*	*	*
		4100N	50E	*	*	8	*	*	93	*	20	*	*	*	*
		4100N	100E	*	*	5	*	*	53	*	100	*	*	*	*
5566550	614171	4100N	150E	*	*	2.5	*	*	117	*	60	*	*	*	*
		4100N	200E	*	*	2.5	*	*	260	*	100	*	*	*	*
		4100N	250E	*	*	2.5	*	*	68	*	40	*	*	*	*
5566555	614301	4100N	300E	*	*	2.5	*	*	50	*	30	*	*	*	*
		4100N	350E	*	*	12	*	*	54	*	10	*	*	*	*
5566535	614397	4100N	400E	*	*	9	*	*	114	*	0.5	*	*	*	*
		4100N	450E	*	*	16	*	*	158	*	310	*	*	*	*
		4100N	500E	*	*	15	*	*	127	*	20	*	*	*	*
5566526	614522	4100N	550E	*	*	7	*	*	56	*	1250	*	*	*	*
		4100N	600E	*	*	*	*	*	*	*	*	*	*	*	*
		4100N	650E	*	*	2.5	*	*	39	*	10	*	*	*	*
5566515	614672	4100N	700E	*	*	20	*	*	187	*	20	*	*	*	*
		4200N	700W	*	*	2.5	*	*	55	*	20	*	*	*	*
		4200N	650W	*	*	*	*	*	*	*	*	*	*	*	*
		4200N	600W	*	*	2.5	*	*	265	*	30	*	*	*	*
		4200N	550W	*	*	2.5	*	*	239	*	20	*	*	*	*
		4200N	500W	*	*	2.5	*	*	206	*	20	*	*	*	*
		4200N	450W	*	*	2.5	*	*	267	*	10	*	*	*	*
		4200N	400W	*	*	2.5	*	*	571	*	0.5	*	*	*	*
		4200N	350W	*	*	2.5	*	*	224	*	20	*	*	*	*
		4200N	300W	*	*	2.5	*	*	201	*	30	*	*	*	*
		4200N	250W	*	*	2.5	*	*	75	*	10	*	*	*	*
		4200N	200W	*	*	2.5	*	*	66	*	0.5	*	*	*	*
		4200N	150W	*	*	6	*	*	85	*	10	*	*	*	*
		4200N	100W	*	*	6	*	*	78	*	70	*	*	*	*
		4200N	50W	*	*	2.5	*	*	123	*	10	*	*	*	*
5566646	614043	4200N	0	*	*	2.5	*	*	13	*	40	*	*	*	*
		4200N	50E	*	*	2.5	*	*	16	*	50	*	*	*	*
		4200N	100E	*	*	2.5	*	*	31	*	30	*	*	*	*
		4200N	150E	*	*	2.5	*	*	12	*	150	*	*	*	*
5566646	614213	4200N	200E	*	*	2.5	*	*	149	*	60	*	*	*	*
		4200N	250E	*	*	2.5	*	*	157	*	140	*	*	*	*
		4200N	300E	*	*	12	*	*	143	*	2530	*	*	*	*
		4200N	350E	*	*	24	*	*	114	*	100	*	*	*	*
5566633	614392	4200N	400E	*	*	10	*	*	174	*	20	*	*	*	*
		4200N	450E	*	*	13	*	*	111	*	70	*	*	*	*
		4200N	500E	*	*	12	*	*	125	*	170	*	*	*	*
		4200N	550E	*	*	67	*	*	335	*	100	*	*	*	*
		4200N	600E	*	*	6	*	*	343	*	140	*	*	*	*
		4200N	650E	*	*	*	*	*	*	*	*	*	*	*	*
5566642	614668	4200N	700E	*	*	12	*	*	62	*	0.5	*	*	*	*

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
DETECTION				0.5	5	1	1	10	1	0.1	10	0.5	10	0.1	0.5
UNITS				ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
5566553	614046	4100N	0	*	*	*	*	*	*	*	*	*	*	*	7
		4100N	50E	*	*	*	*	*	*	*	*	*	*	*	3
		4100N	100E	*	*	*	*	*	*	*	*	*	*	*	4
5566550	614171	4100N	150E	*	*	*	*	*	*	*	*	*	*	*	7
		4100N	200E	*	*	*	*	*	*	*	*	*	*	*	13
		4100N	250E	*	*	*	*	*	*	*	*	*	*	*	6
5566555	614301	4100N	300E	*	*	*	*	*	*	*	*	*	*	*	4
		4100N	350E	*	*	*	*	*	*	*	*	*	*	*	5
5566535	614397	4100N	400E	*	*	*	*	*	*	*	*	*	*	*	6
		4100N	450E	*	*	*	*	*	*	*	*	*	*	*	6
		4100N	500E	*	*	*	*	*	*	*	*	*	*	*	18
5566526	614522	4100N	550E	*	*	*	*	*	*	*	*	*	*	*	7
		4100N	600E	*	*	*	*	*	*	*	*	*	*	*	*
		4100N	650E	*	*	*	*	*	*	*	*	*	*	*	4
5566515	614672	4100N	700E	*	*	*	*	*	*	*	*	*	*	*	7
		4200N	700W	*	*	*	*	*	*	*	*	*	*	*	6
		4200N	650W	*	*	*	*	*	*	*	*	*	*	*	*
		4200N	600W	*	*	*	*	*	*	*	*	*	*	*	7
		4200N	550W	*	*	*	*	*	*	*	*	*	*	*	9
		4200N	500W	*	*	*	*	*	*	*	*	*	*	*	5
		4200N	450W	*	*	*	*	*	*	*	*	*	*	*	11
		4200N	400W	*	*	*	*	*	*	*	*	*	*	*	15
		4200N	350W	*	*	*	*	*	*	*	*	*	*	*	8
		4200N	300W	*	*	*	*	*	*	*	*	*	*	*	6
		4200N	250W	*	*	*	*	*	*	*	*	*	*	*	5
		4200N	200W	*	*	*	*	*	*	*	*	*	*	*	3
		4200N	150W	*	*	*	*	*	*	*	*	*	*	*	2
		4200N	100W	*	*	*	*	*	*	*	*	*	*	*	5
		4200N	50W	*	*	*	*	*	*	*	*	*	*	*	10
5566646	614043	4200N	0	*	*	*	*	*	*	*	*	*	*	*	3
		4200N	50E	*	*	*	*	*	*	*	*	*	*	*	4
		4200N	100E	*	*	*	*	*	*	*	*	*	*	*	4
		4200N	150E	*	*	*	*	*	*	*	*	*	*	*	3
5566646	614213	4200N	200E	*	*	*	*	*	*	*	*	*	*	*	7
		4200N	250E	*	*	*	*	*	*	*	*	*	*	*	7
		4200N	300E	*	*	*	*	*	*	*	*	*	*	*	7
		4200N	350E	*	*	*	*	*	*	*	*	*	*	*	3
5566633	614392	4200N	400E	*	*	*	*	*	*	*	*	*	*	*	4
		4200N	450E	*	*	*	*	*	*	*	*	*	*	*	6
		4200N	500E	*	*	*	*	*	*	*	*	*	*	*	5
		4200N	550E	*	*	*	*	*	*	*	*	*	*	*	5
		4200N	600E	*	*	*	*	*	*	*	*	*	*	*	6
		4200N	650E	*	*	*	*	*	*	*	*	*	*	*	*
5566642	614668	4200N	700E	*	*	*	*	*	*	*	*	*	*	*	7

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	W	Yt	Yb	Zn	Zr
DETECTION				0.5	1	0.2	10	2
UNITS				ppb	ppb	ppb	ppb	ppb
5566553	614046	4100N	0	0.5	*	*	1020	*
		4100N	50E	0.5	*	*	290	*
		4100N	100E	0.5	*	*	210	*
5566550	614171	4100N	150E	0.5	*	*	780	*
		4100N	200E	0.5	*	*	4170	*
		4100N	250E	0.5	*	*	200	*
5566555	614301	4100N	300E	0.5	*	*	220	*
		4100N	350E	0.5	*	*	60	*
5566535	614397	4100N	400E	0.5	*	*	760	*
		4100N	450E	0.5	*	*	1930	*
		4100N	500E	0.5	*	*	430	*
5566526	614522	4100N	550E	0.5	*	*	1090	*
		4100N	600E	*	*	*	*	*
		4100N	650E	0.5	*	*	940	*
5566515	614672	4100N	700E	0.5	*	*	300	*
		4200N	700W	0.5	*	*	80	*
		4200N	650W	*	*	*	*	*
		4200N	600W	1	*	*	200	*
		4200N	550W	1	*	*	100	*
		4200N	500W	0.5	*	*	230	*
		4200N	450W	0.5	*	*	190	*
		4200N	400W	0.5	*	*	40	*
		4200N	350W	0.5	*	*	320	*
		4200N	300W	0.5	*	*	180	*
		4200N	250W	0.5	*	*	1020	*
		4200N	200W	0.5	*	*	1220	*
		4200N	150W	0.5	*	*	1850	*
		4200N	100W	0.5	*	*	2260	*
		4200N	50W	0.5	*	*	690	*
5566646	614043	4200N	0	0.5	*	*	700	*
		4200N	50E	0.5	*	*	200	*
		4200N	100E	0.5	*	*	170	*
		4200N	150E	0.5	*	*	130	*
5566646	614213	4200N	200E	0.5	*	*	1860	*
		4200N	250E	0.5	*	*	5390	*
		4200N	300E	0.5	*	*	2360	*
		4200N	350E	0.5	*	*	2490	*
5566633	614392	4200N	400E	0.5	*	*	2190	*
		4200N	450E	0.5	*	*	1580	*
		4200N	500E	0.5	*	*	2270	*
		4200N	550E	0.5	*	*	2540	*
		4200N	600E	0.5	*	*	2490	*
		4200N	650E	*	*	*	*	*
5566642	614668	4200N	700E	0.5	*	*	90	*

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs
DETECTION				0.5	1	10	0.1	10	0.5	2	1	2	1	100	0.2
UNITS				ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
5566754	613467	4300N	700W	9	*	0.5	1	*	0.5	*	*	143	15	*	*
		4300N	650W	11	*	0.5	0.05	*	0.5	*	*	6	11	*	*
		4300N	600W	20	*	0.5	0.5	*	0.5	*	*	67	47	*	*
		4300N	550W	17	*	0.5	0.05	*	0.5	*	*	15	7	*	*
5566759	613638	4300N	500W	14	*	0.5	0.05	*	0.5	*	*	98	25	*	*
		4300N	450W	38	*	0.5	1.6	*	0.5	*	*	61	287	*	*
		4300N	400W	9	*	0.5	0.05	*	0.5	*	*	52	8	*	*
		4300N	350W	22	*	10	0.3	*	0.5	*	*	62	94	*	*
5566748	613825	4300N	300W	9	*	50	0.1	*	0.5	*	*	2.5	8	*	*
		4300N	250W	26	*	80	1.9	*	0.5	*	*	18	10	*	*
		4300N	200W	82	*	10	3.9	*	0.5	*	*	2.5	55	*	*
5566757	613923	4300N	150W	11	*	10	0.05	*	0.5	*	*	24	36	*	*
		4300N	100W	36	*	40	0.1	*	0.5	*	*	6	18	*	*
		4300N	50W	17	*	30	0.05	*	0.5	*	*	12	37	*	*
5566771	614034	4300N	0	25	*	20	0.05	*	0.5	*	*	31	14	*	*
		4300N	50E	35	*	20	0.05	*	0.5	*	*	25	19	*	*
		4300N	100E	42	*	0.5	0.2	*	0.5	*	*	13	54	*	*
		4300N	150E	32	*	20	0.2	*	0.5	*	*	37	111	*	*
		4300N	200E	30	*	40	0.2	*	0.5	*	*	53	49	*	*
5566768	614270	4300N	250E	20	*	20	0.2	*	0.5	*	*	74	40	*	*
		4300N	300E	25	*	40	3.2	*	0.5	*	*	25	87	*	*
		4300N	350E	198	*	220	34.2	*	0.5	*	*	2.5	239	*	*
		4300N	400E	10	*	60	0.2	*	0.5	*	*	20	18	*	*
		4300N	450E	31	*	30	2.4	*	0.5	*	*	2.5	169	*	*
5566734	614458	4300N	500E	34	*	250	1.7	*	0.5	*	*	2.5	97	*	*
		4300N	550E	15	*	50	0.05	*	0.5	*	*	22	25	*	*
		4300N	600E	16	*	70	0.3	*	0.5	*	*	43	37	*	*
		4300N	650E	28	*	20	0.2	*	0.5	*	*	6	25	*	*
5566753	614677	4300N	700E	41	*	40	0.05	*	0.5	*	*	2.5	34	*	*
		4400N	450W	43	2	5	1.6	1040	0.5	840	0.5	9	81	*	0.5
5566839	613708	4400N	400W	29	25	30	1	240	0.5	500	50	17	21	*	0.5
		4400N	350W	33	13	20	0.05	530	0.5	680	40	31	36	*	0.5
5566835	613795	4400N	300W	41	12	40	0.4	200	0.5	750	20	16	66	*	0.5
		4400N	250W	20	21	10	0.1	1390	0.5	850	0.5	85	37	*	0.5
5566836	613871	4400N	200W	*	*	*	*	*	*	*	*	*	*	*	*
		4400N	150W	92	15	50	1.6	120	0.5	930	110	2.5	132	*	0.5
5566851	613971	4400N	100W	12	36	140	1.7	190	0.5	1000	30	8	234	*	0.5
		4400N	50W	16	27	40	0.3	110	0.5	420	50	10	16	*	0.5
5566829	614063	4400N	0	44	40	20	0.4	270	0.5	520	20	17	92	*	0.5
		4400N	50E	62	20	10	0.4	470	0.5	640	40	49	125	*	0.5
		4400N	100E	53	37	5	0.6	400	0.5	700	0.5	18	122	*	0.5
		4400N	150E	72	88	5	0.5	450	0.5	390	30	29	178	*	0.5
		4400N	200E	54	48	5	0.6	980	0.5	640	20	37	82	*	0.5
		4400N	250E	*	*	*	*	*	*	*	*	*	*	*	*

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li
DETECTION				10	0.5	0.2	0.2	1	0.5	0.5	1	0.1	0.5	1	1
UNITS				ppb	ppb	ppb	ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb
5566754	613467	4300N	700W	550	*	*	*	*	*	*	*	*	*	*	*
		4300N	650W	1130	*	*	*	*	*	*	*	*	*	*	*
		4300N	600W	2710	*	*	*	*	*	*	*	*	*	*	*
		4300N	550W	320	*	*	*	*	*	*	*	*	*	*	*
5566759	613638	4300N	500W	700	*	*	*	*	*	*	*	*	*	*	*
		4300N	450W	6820	*	*	*	*	*	*	*	*	*	*	*
		4300N	400W	1600	*	*	*	*	*	*	*	*	*	*	*
		4300N	350W	4960	*	*	*	*	*	*	*	*	*	*	*
5566748	613825	4300N	300W	410	*	*	*	*	*	*	*	*	*	*	*
		4300N	250W	1510	*	*	*	*	*	*	*	*	*	*	*
		4300N	200W	580	*	*	*	*	*	*	*	*	*	*	*
5566757	613923	4300N	150W	1380	*	*	*	*	*	*	*	*	*	*	*
		4300N	100W	2580	*	*	*	*	*	*	*	*	*	*	*
		4300N	50W	1710	*	*	*	*	*	*	*	*	*	*	*
5566771	614034	4300N	0	1130	*	*	*	*	*	*	*	*	*	*	*
		4300N	50E	2340	*	*	*	*	*	*	*	*	*	*	*
		4300N	100E	1900	*	*	*	*	*	*	*	*	*	*	*
		4300N	150E	2910	*	*	*	*	*	*	*	*	*	*	*
		4300N	200E	1960	*	*	*	*	*	*	*	*	*	*	*
5566768	614270	4300N	250E	1390	*	*	*	*	*	*	*	*	*	*	*
		4300N	300E	900	*	*	*	*	*	*	*	*	*	*	*
		4300N	350E	2970	*	*	*	*	*	*	*	*	*	*	*
		4300N	400E	1600	*	*	*	*	*	*	*	*	*	*	*
		4300N	450E	2300	*	*	*	*	*	*	*	*	*	*	*
5566734	614458	4300N	500E	3190	*	*	*	*	*	*	*	*	*	*	*
		4300N	550E	1950	*	*	*	*	*	*	*	*	*	*	*
		4300N	600E	3050	*	*	*	*	*	*	*	*	*	*	*
		4300N	650E	1050	*	*	*	*	*	*	*	*	*	*	*
5566753	614677	4300N	700E	1550	*	*	*	*	*	*	*	*	*	*	*
		4400N	450W	4090	57	45.8	7.1	3	*	48	*	*	*	11	2.5
5566839	613708	4400N	400W	2050	14	9.1	3.2	23	*	15	*	*	*	9	2.5
		4400N	350W	1490	31	20.4	6.1	14	*	31	*	*	*	14	2.5
5566835	613795	4400N	300W	2450	22	16.4	4.1	7	*	21	*	*	*	3	2.5
		4400N	250W	1650	50	36.3	9.2	13	*	51	*	*	*	42	2.5
5566836	613871	4400N	200W	*	*	*	*	*	*	*	*	*	*	*	*
		4400N	150W	8380	4	3.2	1.1	8	*	5	*	*	*	0.5	2.5
5566851	613971	4400N	100W	7060	15	10.5	3.3	13	*	13	*	*	*	2	2.5
		4400N	50W	2210	4	2.4	1.2	15	*	6	*	*	*	7	2.5
5566829	614063	4400N	0	2930	13	9.3	3.2	12	*	14	*	*	*	7	2.5
		4400N	50E	4440	23	15.9	5.1	13	*	26	*	*	*	22	2.5
		4400N	100E	1960	19	12.5	5.1	8	*	20	*	*	*	7	2.5
		4400N	150E	2260	27	23.1	4.4	24	*	21	*	*	*	12	2.5
		4400N	200E	1710	38	28.3	7	14	*	35	*	*	*	23	2.5
		4400N	250E	*	*	*	*	*	*	*	*	*	*	*	*

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb
DETECTION				0.5	100	2	0.5	1	5	0.1	5	1	0.5	0.1	1
UNITS				ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
5566754	613467	4300N	700W	*	*	2.5	*	*	236	*	20	*	*	*	*
		4300N	650W	*	*	2.5	*	*	43	*	0.5	*	*	*	*
		4300N	600W	*	*	2.5	*	*	329	*	30	*	*	*	*
		4300N	550W	*	*	2.5	*	*	117	*	20	*	*	*	*
5566759	613638	4300N	500W	*	*	2.5	*	*	196	*	20	*	*	*	*
		4300N	450W	*	*	2.5	*	*	286	*	20	*	*	*	*
		4300N	400W	*	*	2.5	*	*	364	*	30	*	*	*	*
		4300N	350W	*	*	2.5	*	*	322	*	20	*	*	*	*
5566748	613825	4300N	300W	*	*	5	*	*	78	*	40	*	*	*	*
		4300N	250W	*	*	10	*	*	75	*	30	*	*	*	*
		4300N	200W	*	*	2.5	*	*	112	*	30	*	*	*	*
5566757	613923	4300N	150W	*	*	2.5	*	*	66	*	0.5	*	*	*	*
		4300N	100W	*	*	2.5	*	*	21	*	0.5	*	*	*	*
		4300N	50W	*	*	2.5	*	*	46	*	60	*	*	*	*
5566771	614034	4300N	0	*	*	2.5	*	*	13	*	160	*	*	*	*
		4300N	50E	*	*	2.5	*	*	24	*	140	*	*	*	*
		4300N	100E	*	*	5	*	*	14	*	40	*	*	*	*
		4300N	150E	*	*	2.5	*	*	40	*	90	*	*	*	*
		4300N	200E	*	*	2.5	*	*	56	*	80	*	*	*	*
5566768	614270	4300N	250E	*	*	2.5	*	*	141	*	60	*	*	*	*
		4300N	300E	*	*	11	*	*	141	*	20	*	*	*	*
		4300N	350E	*	*	15	*	*	234	*	0.5	*	*	*	*
		4300N	400E	*	*	8	*	*	89	*	60	*	*	*	*
		4300N	450E	*	*	10	*	*	93	*	0.5	*	*	*	*
5566734	614458	4300N	500E	*	*	15	*	*	189	*	0.5	*	*	*	*
		4300N	550E	*	*	5	*	*	77	*	100	*	*	*	*
		4300N	600E	*	*	6	*	*	126	*	310	*	*	*	*
		4300N	650E	*	*	9	*	*	74	*	420	*	*	*	*
5566753	614677	4300N	700E	*	*	35	*	*	57	*	80	*	*	*	*
		4400N	450W	141	*	2.5	<0.5	37	119	*	30	0.5	6	*	5
5566839	613708	4400N	400W	18	*	2.5	<0.5	24	20	*	60	0.5	5	*	44
		4400N	350W	47	*	2.5	<0.5	44	30	*	90	0.5	8	*	26
5566835	613795	4400N	300W	70	*	6	<0.5	22	44	*	140	0.5	4	*	14
		4400N	250W	72	*	6	<0.5	100	73	*	130	0.5	19	*	19
5566836	613871	4400N	200W	*	*	*	*	*	*	*	*	*	*	*	*
		4400N	150W	19	*	10	<0.5	2	43	*	330	0.5	0.5	*	14
5566851	613971	4400N	100W	32	*	15	<0.5	12	74	*	70	0.5	2	*	23
		4400N	50W	15	*	5	<0.5	14	13	*	70	0.5	4	*	26
5566829	614063	4400N	0	35	*	8	<0.5	21	11	*	40	0.5	4	*	24
		4400N	50E	64	*	2.5	<0.5	51	16	*	70	0.5	10	*	10
		4400N	100E	51	*	2.5	<0.5	27	12	*	30	0.5	5	*	13
		4400N	150E	38	*	2.5	<0.5	32	14	*	100	0.5	7	*	62
		4400N	200E	57	*	2.5	<0.5	57	13	*	120	0.5	11	*	60
		4400N	250E	*	*	*	*	*	*	*	*	*	*	*	*

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
DETECTION				0.5	5	1	1	10	1	0.1	10	0.5	10	0.1	0.5
UNITS				ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
5566754	613467	4300N	700W	*	*	*	*	*	*	*	*	*	*	*	13
		4300N	650W	*	*	*	*	*	*	*	*	*	*	*	2
		4300N	600W	*	*	*	*	*	*	*	*	*	*	*	6
		4300N	550W	*	*	*	*	*	*	*	*	*	*	*	3
5566759	613638	4300N	500W	*	*	*	*	*	*	*	*	*	*	*	6
		4300N	450W	*	*	*	*	*	*	*	*	*	*	*	6
		4300N	400W	*	*	*	*	*	*	*	*	*	*	*	2
		4300N	350W	*	*	*	*	*	*	*	*	*	*	*	15
5566748	613825	4300N	300W	*	*	*	*	*	*	*	*	*	*	*	4
		4300N	250W	*	*	*	*	*	*	*	*	*	*	*	3
		4300N	200W	*	*	*	*	*	*	*	*	*	*	*	7
5566757	613923	4300N	150W	*	*	*	*	*	*	*	*	*	*	*	2
		4300N	100W	*	*	*	*	*	*	*	*	*	*	*	2
		4300N	50W	*	*	*	*	*	*	*	*	*	*	*	3
5566771	614034	4300N	0	*	*	*	*	*	*	*	*	*	*	*	4
		4300N	50E	*	*	*	*	*	*	*	*	*	*	*	3
		4300N	100E	*	*	*	*	*	*	*	*	*	*	*	5
		4300N	150E	*	*	*	*	*	*	*	*	*	*	*	10
		4300N	200E	*	*	*	*	*	*	*	*	*	*	*	12
5566768	614270	4300N	250E	*	*	*	*	*	*	*	*	*	*	*	6
		4300N	300E	*	*	*	*	*	*	*	*	*	*	*	2
		4300N	350E	*	*	*	*	*	*	*	*	*	*	*	3
		4300N	400E	*	*	*	*	*	*	*	*	*	*	*	1
		4300N	450E	*	*	*	*	*	*	*	*	*	*	*	1
5566734	614458	4300N	500E	*	*	*	*	*	*	*	*	*	*	*	1
		4300N	550E	*	*	*	*	*	*	*	*	*	*	*	5
		4300N	600E	*	*	*	*	*	*	*	*	*	*	*	8
		4300N	650E	*	*	*	*	*	*	*	*	*	*	*	6
5566753	614677	4300N	700E	*	*	*	*	*	*	*	*	*	*	*	8
		4400N	450W	0.5	8	18	0.5	5310	0.5	7	0.5	0.5	<3	<0.5	6
5566839	613708	4400N	400W	0.5	21	9	0.5	1090	0.5	2	0.5	1.4	37	<0.5	6
		4400N	350W	0.5	18	17	0.5	1990	0.5	4	0.5	2.4	17	<0.5	7
5566835	613795	4400N	300W	0.5	9	11	0.5	2070	0.5	3	0.5	0.7	4	<0.5	3
		4400N	250W	0.5	27	31	0.5	4070	0.5	6	0.5	3.8	8	<0.5	11
5566836	613871	4400N	200W	*	*	*	*	*	*	*	*	*	*	*	*
		4400N	150W	0.5	10	2	0.5	1390	0.5	0.5	0.5	<0.5	8	<0.5	2
5566851	613971	4400N	100W	0.5	16	6	0.5	1240	0.5	2	0.5	<0.5	12	0.6	4
		4400N	50W	0.5	5	4	0.5	770	0.5	0.5	0.5	1.4	46	<0.5	6
5566829	614063	4400N	0	0.5	20	8	0.5	1710	0.5	2	0.5	1.4	22	<0.5	10
		4400N	50E	0.5	23	15	0.5	3670	0.5	3	0.5	4.7	14	<0.5	5
		4400N	100E	0.5	21	11	0.5	3610	0.5	3	0.5	0.9	12	<0.5	4
		4400N	150E	0.5	63	12	0.5	1690	0.5	3	0.5	1.7	19	<0.5	6
		4400N	200E	0.5	55	21	0.5	2250	0.5	5	0.5	2.4	17	<0.5	12
		4400N	250E	*	*	*	*	*	*	*	*	*	*	*	*



**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	W	Yt	Yb	Zn	Zr
DETECTION				0.5	1	0.2	10	2
UNITS				ppb	ppb	ppb	ppb	ppb
5566754	613467	4300N	700W	0.5	*	*	90	*
		4300N	650W	0.5	*	*	80	*
		4300N	600W	0.5	*	*	230	*
		4300N	550W	0.5	*	*	510	*
5566759	613638	4300N	500W	0.5	*	*	90	*
		4300N	450W	0.5	*	*	120	*
		4300N	400W	0.5	*	*	2690	*
		4300N	350W	0.5	*	*	190	*
5566748	613825	4300N	300W	0.5	*	*	900	*
		4300N	250W	0.5	*	*	210	*
		4300N	200W	0.5	*	*	70	*
5566757	613923	4300N	150W	0.5	*	*	310	*
		4300N	100W	0.5	*	*	1500	*
		4300N	50W	0.5	*	*	980	*
5566771	614034	4300N	0	0.5	*	*	680	*
		4300N	50E	0.5	*	*	380	*
		4300N	100E	0.5	*	*	760	*
		4300N	150E	0.5	*	*	2140	*
		4300N	200E	0.5	*	*	660	*
5566768	614270	4300N	250E	0.5	*	*	770	*
		4300N	300E	0.5	*	*	240	*
		4300N	350E	0.5	*	*	50	*
		4300N	400E	0.5	*	*	350	*
		4300N	450E	0.5	*	*	140	*
5566734	614458	4300N	500E	0.5	*	*	150	*
		4300N	550E	0.5	*	*	800	*
		4300N	600E	0.5	*	*	2530	*
		4300N	650E	0.5	*	*	1740	*
5566753	614677	4300N	700E	0.5	*	*	2470	*
		4400N	450W	0.5	227	39	200	5
5566839	613708	4400N	400W	0.5	71	8	470	40
		4400N	350W	0.5	160	19	840	43
5566835	613795	4400N	300W	0.5	118	15	150	22
		4400N	250W	1	212	31	230	33
5566836	613871	4400N	200W	*	*	*	*	*
		4400N	150W	0.5	26	3	2270	26
5566851	613971	4400N	100W	0.5	82	10	230	30
		4400N	50W	0.5	20	2	1740	40
5566829	614063	4400N	0	0.5	68	8	190	37
		4400N	50E	0.5	118	14	730	35
		4400N	100E	0.5	93	11	60	32
		4400N	150E	1	154	22	150	48
		4400N	200E	0.5	201	26	120	58
		4400N	250E	*	*	*	*	*

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs
DETECTION				0.5	1	10	0.1	10	0.5	2	1	2	1	100	0.2
UNITS				ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
		4400N	300E	41	3	20	0.6	210	0.5	960	20	7	40	*	0.5
		4400N	350E	23	7	50	0.4	160	0.5	940	50	10	73	*	0.5
		4400N	400E	25	17	40	0.6	210	0.5	720	80	33	114	*	0.5
		4400N	450E	39	45	40	0.2	210	0.5	630	80	9	44	*	0.5
		4400N	500E	55	14	30	0.4	370	0.5	820	20	9	249	*	0.5
		4400N	550E	17	33	5	0.9	380	0.5	790	0.5	30	94	*	0.5
		4400N	600E	28	19	20	1.1	680	0.5	1080	30	25	156	*	0.5
		4400N	650E	29	19	5	0.2	820	0.5	580	10	65	89	*	0.5
5566820.5	614679	4400N	700E	30	14	10	0.2	1060	0.5	720	30	56	104	*	0.5
5566938	613466	4500N	700W	20	3	5	0.6	510	0.5	830	0.5	2.5	50	*	0.5
		4500N	650W	22	26	5	0.4	380	0.5	710	10	5	31	*	0.5
		4500N	600W	15	4	5	0.3	670	0.5	830	0.5	12	49	*	0.5
		4500N	550W	20	3	5	0.7	420	0.5	800	0.5	23	65	*	0.5
5566957	613642	4500N	500W	*	*	*	*	*	*	*	*	*	*	*	*
		4500N	450W	22	2	10	0.1	570	0.5	800	10	18	28	*	0.5
5566932	613719	4500N	400W	29	16	40	0.2	280	0.5	730	20	18	37	*	0.5
		4500N	350W	55	18	10	1.3	130	0.5	570	40	22	181	*	0.5
		4500N	300W	47	23	20	0.4	300	0.5	650	0.5	19	38	*	0.5
		4500N	250W	41	15	40	0.6	240	0.5	800	20	2.5	74	*	0.5
		4500N	200W	70	11	10	0.5	380	0.5	630	20	20	178	*	0.5
		4500N	150W	17	52	30	0.05	320	0.5	390	20	34	29	*	0.5
5566925	613980	4500N	100W	41	17	5	0.8	1130	0.5	660	40	41	389	*	0.5
		4500N	50W	34	17	20	0.5	400	0.5	690	40	34	57	*	0.5
		4500N	0	30	14	30	0.7	160	0.5	680	70	2.5	43	*	0.5
		4500N	50E	65	52	50	3.5	180	0.5	500	0.5	12	111	*	0.5
		4500N	100E	61	51	30	3.4	250	0.5	400	10	20	165	*	0.5
		4500N	150E	34	24	5	0.2	1410	0.5	730	20	19	185	*	0.5
5566916	614246	4500N	200E	56	3	5	1.5	550	0.5	780	0.5	12	192	*	0.5
		4500N	250E	46	39	5	1.5	680	0.5	620	0.5	28	142	*	0.5
		4500N	300E	55	8	5	0.5	410	0.5	770	0.5	48	115	*	0.5
		4500N	350E	32	31	5	0.2	460	0.5	580	0.5	27	140	*	0.5
		4500N	400E	94	23	30	1	230	0.5	870	20	7	43	*	0.5
		4500N	450E	11	88	20	0.05	190	0.5	290	0.5	38	21	*	0.5
5566898	614507	4500N	500E	12	64	5	0.05	330	0.5	330	10	20	30	*	0.5
		4500N	550E	45	10	40	1.3	400	0.5	920	30	2.5	263	*	0.5
		4500N	600E	11	18	20	0.05	940	0.5	750	20	81	57	*	0.5
		4500N	650E	15	9	20	0.1	1040	0.5	840	20	38	89	*	0.5
5566888	614683	4500N	700E	22	14	5	0.05	1150	0.5	650	60	38	72	*	0.5

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li
DETECTION				10	0.5	0.2	0.2	1	0.5	0.5	1	0.1	0.5	1	1
UNITS				ppb	ppb	ppb	ppb	ppr	ppb	ppb	ppb	ppb	ppm	ppb	ppb
		4400N	300E	1070	16	14.1	2	5	*	13	*	*	*	3	2.5
		4400N	350E	1360	5	3.7	1.3	7	*	6	*	*	*	0.5	2.5
		4400N	400E	2540	31	24.7	5.5	15	*	30	*	*	*	18	6
		4400N	450E	3200	7	5.6	1.6	17	*	7	*	*	*	4	2.5
		4400N	500E	6850	11	9.5	1.7	9	*	9	*	*	*	5	2.5
		4400N	550E	4230	29	21.5	5.9	21	*	30	*	*	*	16	12
		4400N	600E	3080	20	14	3.8	12	*	20	*	*	*	9	2.5
		4400N	650E	5290	25	17.3	7.1	14	*	28	*	*	*	27	2.5
5566820.5	614679	4400N	700E	5790	27	20.2	6.4	13	*	30	*	*	*	26	2.5
5566938	613466	4500N	700W	1700	21	17	2.8	3	*	17	*	*	*	2	2.5
		4500N	650W	4950	9	7.4	1.8	7	*	8	*	*	*	4	2.5
		4500N	600W	3040	13	9.6	2.4	5	*	10	*	*	*	5	2.5
		4500N	550W	2250	49	39.8	7.4	4	*	42	*	*	*	15	2.5
5566957	613642	4500N	500W	*	*	*	*	*	*	*	*	*	*	*	*
		4500N	450W	1050	42	30.7	6.4	4	*	41	*	*	*	14	2.5
5566932	613719	4500N	400W	2990	48	34.2	8.3	14	*	44	*	*	*	7	2.5
		4500N	350W	3360	30	24.9	4.1	5	*	23	*	*	*	1	2.5
		4500N	300W	3980	40	27.3	7.5	14	*	38	*	*	*	11	2.5
		4500N	250W	2070	5	4	0.6	7	*	4	*	*	*	0.5	2.5
		4500N	200W	4120	13	8.7	3.4	8	*	14	*	*	*	7	2.5
		4500N	150W	1690	16	11.5	4.3	28	*	17	*	*	*	16	2.5
5566925	613980	4500N	100W	8640	22	17	4.6	9	*	24	*	*	*	23	2.5
		4500N	50W	2920	62	47.5	8.1	9	*	56	*	*	*	17	6
		4500N	0	6320	3	2.3	1	9	*	3	*	*	*	0.5	2.5
		4500N	50E	3270	14	9.8	4.5	7	*	14	*	*	*	5	2.5
		4500N	100E	14900	10	6.7	2.9	11	*	11	*	*	*	10	2.5
		4500N	150E	3430	29	25.8	3.5	8	*	22	*	*	*	11	2.5
5566916	614246	4500N	200E	11100	30	28.9	3.6	6	*	20	*	*	*	5	2.5
		4500N	250E	7380	25	17.8	5.5	14	*	26	*	*	*	19	2.5
		4500N	300E	9280	27	17	8.5	8	*	37	*	*	*	28	2.5
		4500N	350E	4870	15	9.5	4.3	15	*	17	*	*	*	10	2.5
		4500N	400E	12300	13	9.5	2.9	16	*	13	*	*	*	4	2.5
		4500N	450E	280	11	7.8	2.3	31	*	11	*	*	*	14	2.5
5566898	614507	4500N	500E	620	9	6.5	1.8	15	*	9	*	*	*	8	2.5
		4500N	550E	7980	6	4.7	0.9	8	*	5	*	*	*	0.5	2.5
		4500N	600E	1230	54	33.7	11.2	19	*	56	*	*	*	31	6
		4500N	650E	2820	39	29.3	5.5	9	*	33	*	*	*	12	2.5
5566888	614683	4500N	700E	2530	36	31.2	4.3	10	*	25	*	*	*	14	2.5

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb
DETECTION				0.5	100	2	0.5	1	5	0.1	5	1	0.5	0.1	1
UNITS				ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
		4400N	300E	111	*	10	<0.5	14	91	*	40	0.5	3	*	16
		4400N	350E	94	*	39	<0.5	7	126	*	80	0.5	2	*	76
		4400N	400E	109	*	11	<0.5	45	73	*	70	0.5	8	*	16
		4400N	450E	48	*	11	<0.5	9	20	*	60	0.5	2	*	35
		4400N	500E	94	*	8	<0.5	11	94	*	150	0.5	3	*	9
		4400N	550E	53	*	2.5	<0.5	48	17	*	30	0.5	9	*	8
		4400N	600E	49	*	6	<0.5	28	98	*	110	0.5	5	*	26
		4400N	650E	56	*	6	<0.5	58	10	*	30	0.5	11	*	45
5566820.5	614679	4400N	700E	88	*	2.5	<0.5	57	17	*	40	0.5	11	*	20
5566938	613466	4500N	700W	119	*	2.5	<0.5	13	66	*	20	0.5	3	*	7
		4500N	650W	78	*	2.5	<0.5	11	52	*	30	0.5	3	*	47
		4500N	600W	87	*	2.5	<0.5	13	33	*	20	0.5	3	*	7
		4500N	550W	92	*	5	<0.5	52	114	*	40	0.5	9	*	16
5566957	613642	4500N	500W	*	*	*	*	*	*	*	*	*	*	*	*
		4500N	450W	161	*	2.5	<0.5	51	112	*	30	0.5	8	*	5
5566932	613719	4500N	400W	44	*	7	<0.5	44	27	*	40	0.5	7	*	23
		4500N	350W	49	*	9	<0.5	18	52	*	30	0.5	3	*	13
		4500N	300W	29	*	8	<0.5	44	24	*	90	0.5	7	*	50
		4500N	250W	16	*	2.5	<0.5	0.5	30	*	100	0.5	0.5	*	39
		4500N	200W	72	*	8	<0.5	21	16	*	60	0.5	4	*	11
		4500N	150W	31	*	7	<0.5	34	11	*	60	0.5	7	*	48
5566925	613980	4500N	100W	66	*	20	<0.5	45	18	*	1000	0.5	9	*	43
		4500N	50W	103	*	17	<0.5	64	32	*	360	0.5	10	*	16
		4500N	0	8	*	5	<0.5	0.5	16	*	20	0.5	0.5	*	18
		4500N	50E	13	*	2.5	<0.5	16	7	*	40	0.5	3	*	20
		4500N	100E	21	*	2.5	<0.5	20	7	*	30	0.5	4	*	30
		4500N	150E	58	*	7	<0.5	27	29	*	130	0.5	6	*	35
5566916	614246	4500N	200E	88	*	2.5	<0.5	17	48	*	20	0.5	3	*	19
		4500N	250E	77	*	2.5	<0.5	49	24	*	60	0.5	9	*	31
		4500N	300E	105	*	2.5	<0.5	82	28	*	20	0.5	14	*	11
		4500N	350E	55	*	2.5	<0.5	32	12	*	30	0.5	6	*	43
		4500N	400E	53	*	7	<0.5	16	29	*	50	0.5	3	*	26
		4500N	450E	18	*	2.5	<0.5	29	15	*	130	0.5	6	*	45
5566898	614507	4500N	500E	29	*	2.5	<0.5	17	6	*	100	0.5	4	*	52
		4500N	550E	78	*	7	<0.5	4	76	*	20	0.5	1	*	37
		4500N	600E	84	*	6	<0.5	99	142	*	50	0.5	18	*	41
		4500N	650E	70	*	7	<0.5	45	104	*	30	0.5	8	*	26
5566888	614683	4500N	700E	47	*	2.5	<0.5	34	200	*	60	0.5	7	*	52

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	TI	U
DETECTION				0.5	5	1	1	10	1	0.1	10	0.5	10	0.1	0.5
UNITS				ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
		4400N	300E	0.5	7	6	0.5	1900	0.5	2	0.5	1.9	<3	<0.5	8
		4400N	350E	0.5	6	4	0.5	1460	0.5	0.5	0.5	1.9	13	<0.5	4
		4400N	400E	0.5	32	16	0.5	2130	0.5	4	0.5	4.5	16	<0.5	6
		4400N	450E	0.5	19	4	0.5	1560	0.5	0.5	0.5	0.9	22	<0.5	4
		4400N	500E	0.5	14	4	0.5	4390	0.5	1	0.5	1.2	6	<0.5	4
		4400N	550E	0.5	65	16	0.5	5660	0.5	4	0.5	1.5	16	<0.5	3
		4400N	600E	0.5	15	11	0.5	2370	0.5	3	0.5	2.5	12	<0.5	7
		4400N	650E	0.5	50	17	0.5	5930	0.5	3	0.5	3.1	13	<0.5	8
5566820.5	614679	4400N	700E	0.5	39	17	0.5	6250	0.5	4	0.5	3.2	9	<0.5	6
5566938	613466	4500N	700W	0.5	5	7	0.5	3880	0.5	2	0.5	1	3	<0.5	4
		4500N	650W	0.5	9	5	0.5	2150	0.5	1	0.5	1.2	7	<0.5	2
		4500N	600W	0.5	11	5	0.5	6060	0.5	1	0.5	1.7	<3	<0.5	2
		4500N	550W	0.5	6	21	0.5	2940	0.5	6	0.5	3	<3	<0.5	4
5566957	613642	4500N	500W	*	*	*	*	*	*	*	*	*	*	*	*
		4500N	450W	0.5	8	20	0.5	3260	0.5	5	0.5	1.1	<3	<0.5	14
5566932	613719	4500N	400W	0.5	38	22	0.5	1270	0.5	6	0.5	0.6	8	<0.5	3
		4500N	350W	0.5	14	11	0.5	1800	0.5	3	0.5	0.6	<3	<0.5	3
		4500N	300W	0.5	39	20	0.5	950	0.5	5	0.5	1.3	12	<0.5	7
		4500N	250W	0.5	5	1	0.5	2130	0.5	0.5	0.5	<0.5	7	<0.5	3
		4500N	200W	0.5	14	8	0.5	2890	0.5	2	0.5	1.5	11	<0.5	6
		4500N	150W	0.5	34	11	0.5	1300	0.5	2	0.5	2.4	32	<0.5	5
5566925	613980	4500N	100W	0.5	21	14	0.5	8320	0.5	3	0.5	1.4	7	<0.5	10
		4500N	50W	0.5	8	27	0.5	2640	0.5	8	0.5	4.4	15	<0.5	5
		4500N	0	1	8	1	0.5	770	0.5	0.5	0.5	<0.5	8	<0.5	1
		4500N	50E	0.5	20	7	0.5	1170	0.5	2	0.5	0.7	13	<0.5	4
		4500N	100E	1	20	7	0.5	1030	0.5	1	0.5	1.2	14	<0.5	6
		4500N	150E	0.5	30	10	0.5	4520	0.5	3	0.5	0.9	4	<0.5	7
5566916	614246	4500N	200E	0.5	38	8	0.5	3370	0.5	3	0.5	0.7	<3	<0.5	3
		4500N	250E	0.5	59	16	0.5	3110	0.5	3	0.5	1.9	16	<0.5	9
		4500N	300E	0.5	35	25	0.5	4470	0.5	4	0.5	2.3	6	<0.5	6
		4500N	350E	0.5	53	12	0.5	2670	0.5	2	0.5	1.6	14	<0.5	4
		4500N	400E	0.5	25	7	0.5	1510	0.5	2	0.5	0.6	17	<0.5	3
		4500N	450E	0.5	40	8	0.5	690	0.5	1	0.5	1.9	69	<0.5	4
5566898	614507	4500N	500E	0.5	34	6	0.5	660	0.5	1	0.5	1.1	19	<0.5	3
		4500N	550E	0.5	17	3	0.5	2440	0.5	0.5	0.5	<0.5	7	<0.5	5
		4500N	600E	0.5	29	36	0.5	1950	0.5	7	0.5	3.6	24	<0.5	4
		4500N	650E	0.5	16	17	0.5	2580	0.5	5	0.5	1.2	5	<0.5	8
5566888	614683	4500N	700E	0.5	38	13	0.5	2370	0.5	4	0.5	1.4	3	<0.5	4

**ASHTON COPPER PROJECT**

**MMI DATA**

UTM N	UTM E	Line	Easting	W	Yt	Yb	Zn	Zr
DETECTION				0.5	1	0.2	10	2
UNITS				ppb	ppb	ppb	ppb	ppb
		4400N	300E	0.5	73	14	360	8
		4400N	350E	0.5	27	4	830	26
		4400N	400E	0.5	170	25	4410	33
		4400N	450E	0.5	39	5	680	32
		4400N	500E	0.5	63	9	420	20
		4400N	550E	0.5	146	21	90	32
		4400N	600E	0.5	102	13	510	34
		4400N	650E	0.5	121	14	230	42
5566820.5	614679	4400N	700E	1	129	18	390	29
5566938	613466	4500N	700W	0.5	83	15	140	6
		4500N	650W	0.5	41	7	100	12
		4500N	600W	0.5	45	10	110	8
		4500N	550W	1	186	38	260	10
5566957	613642	4500N	500W	*	*	*	*	*
		4500N	450W	0.5	176	27	60	15
5566932	613719	4500N	400W	0.5	263	32	210	30
		4500N	350W	0.5	145	25	270	12
		4500N	300W	0.5	218	24	90	36
		4500N	250W	0.5	23	4	1500	26
		4500N	200W	0.5	71	8	750	32
		4500N	150W	0.5	85	10	70	41
5566925	613980	4500N	100W	0.5	115	16	3320	31
		4500N	50W	0.5	342	47	810	35
		4500N	0	0.5	18	2	640	30
		4500N	50E	0.5	81	8	30	32
		4500N	100E	0.5	52	6	60	36
		4500N	150E	0.5	129	25	710	25
5566916	614246	4500N	200E	0.5	136	31	150	11
		4500N	250E	0.5	125	15	120	55
		4500N	300E	0.5	129	14	110	33
		4500N	350E	0.5	70	8	50	38
		4500N	400E	0.5	77	9	140	33
		4500N	450E	0.5	55	7	80	50
5566898	614507	4500N	500E	0.5	45	6	70	36
		4500N	550E	0.5	27	5	200	11
		4500N	600E	0.5	227	30	800	38
		4500N	650E	0.5	155	28	370	22
5566888	614683	4500N	700E	0.5	134	32	2700	28

SITKA HOLDINGS LIMITED

**ASHTON PROJECT**

NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC

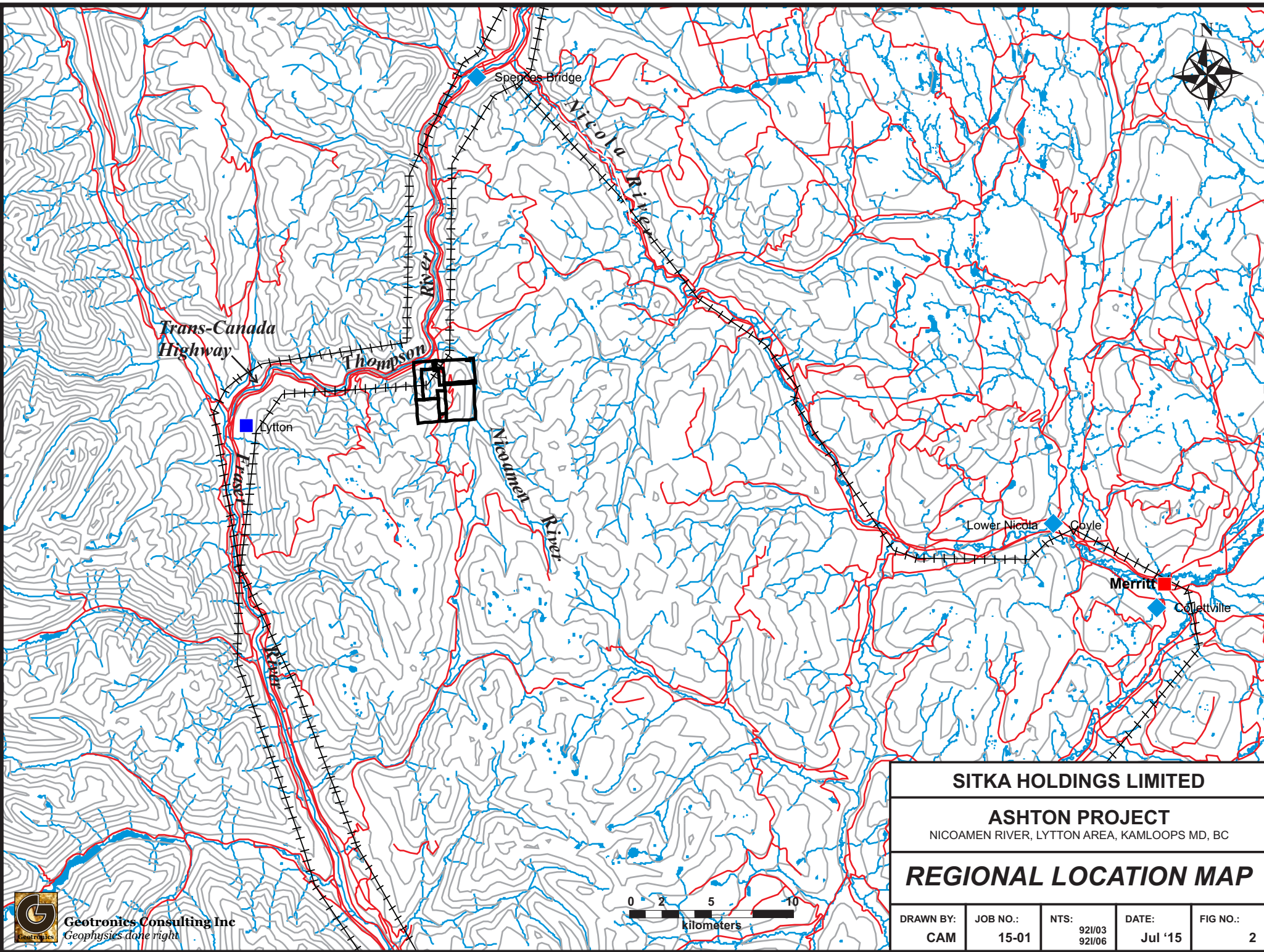
**BC LOCATION MAP**

DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	15-01	921/03 921/06	Jul '15	1



**Ashton Property**





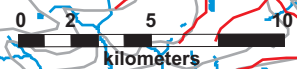
**SITKA HOLDINGS LIMITED**

**ASHTON PROJECT**

NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC

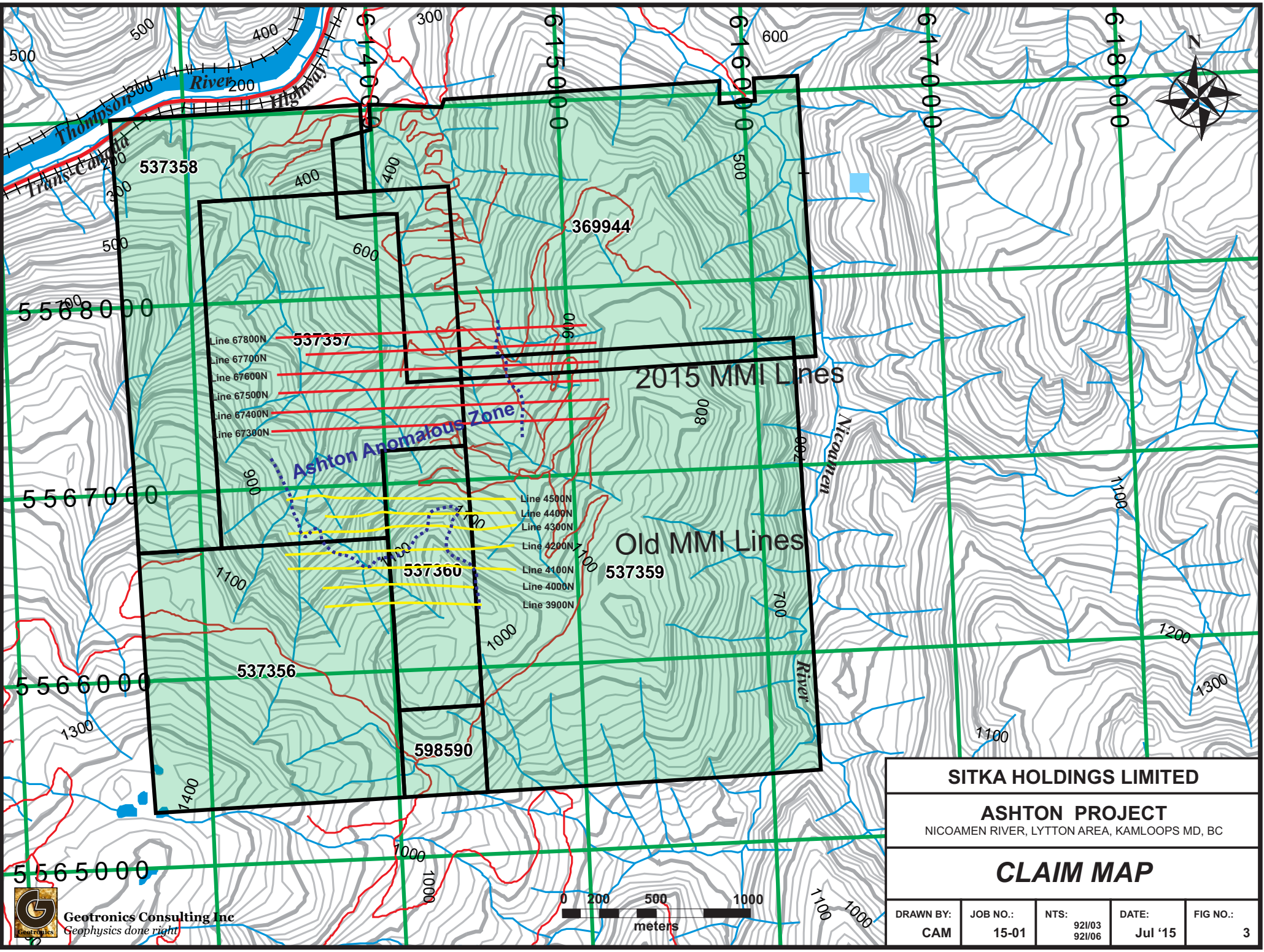
**REGIONAL LOCATION MAP**

DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	15-01	92/03 92/06	Jul '15	2



**Geotronics Consulting Inc**  
Geophysics done right



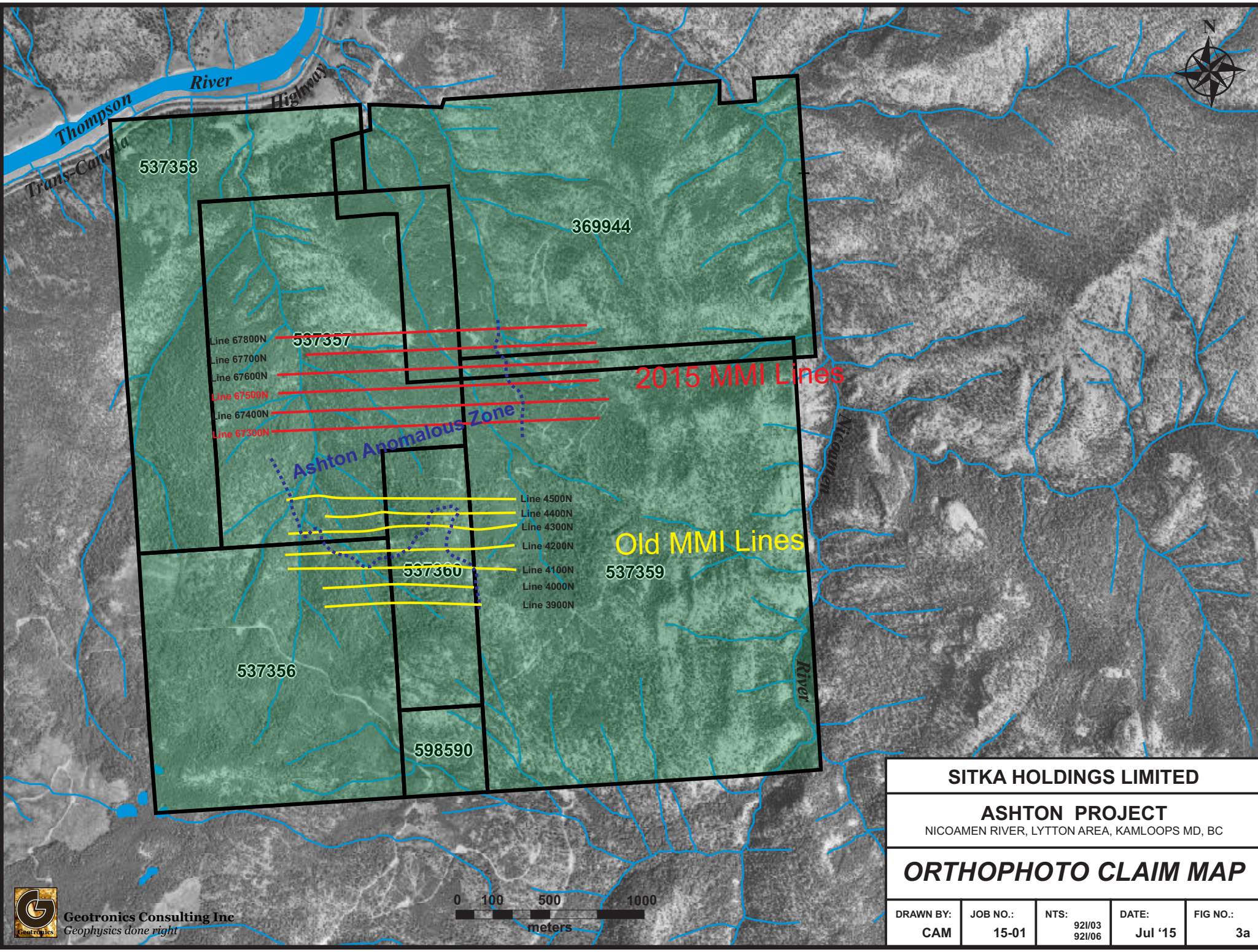


**SITKA HOLDINGS LIMITED**

**ASHTON PROJECT**  
NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC

**CLAIM MAP**

DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	15-01	92/03 92/06	Jul '15	3



537358

369944

537357

- Line 67800N
- Line 67700N
- Line 67600N
- Line 67500N
- Line 67400N
- Line 67300N

2015 MMI Lines

Ashton Anomalous Zone

- Line 4500N
- Line 4400N
- Line 4300N
- Line 4200N
- Line 4100N
- Line 4000N
- Line 3900N

Old MMI Lines

537360

537359

537356

598590

**SITKA HOLDINGS LIMITED**

**ASHTON PROJECT**

NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC

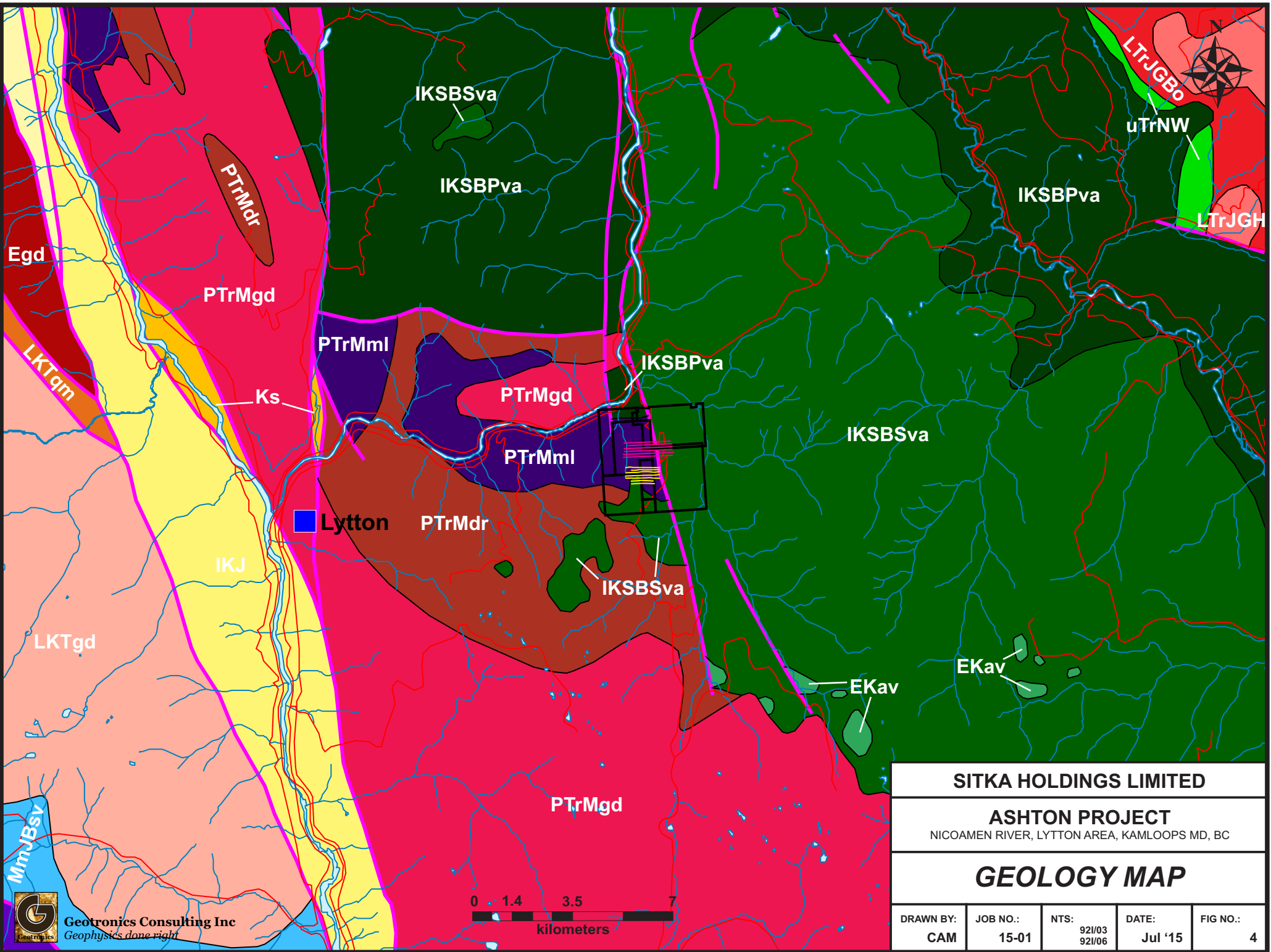
**ORTHO PHOTO CLAIM MAP**

DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	15-01	92/03 92/06	Jul '15	3a






















**Geotronics Consulting Inc**  
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<b>SITKA HOLDINGS LIMITED</b>				
<b>ASHTON PROJECT</b>				
NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC				
<b>GEOLOGY MAP</b>				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	15-01	92/03 92/06	Jul '15	4

-  **Egd** UNNAMED Eocene granodioritic intrusive rocks (Egd)
-  **Epr** PRINCETON GROUP Eocene undivided sedimentary rocks (EPr)
-  **Ekav** KAMLOOPS GROUP Eocene undivided volcanic rocks (EKav)
-  **LKTgd** UNNAMED Late Cretaceous to Paleogene granodioritic intrusive rocks (LKTgd)
-  **LKTqm** UNNAMED Late Cretaceous to Paleogene quartz monzonitic intrusive rocks (LKTqm)
-  **Ks** UNNAMED Cretaceous undivided sedimentary rocks (Ks)
-  **IKSBSva** SPENCES BRIDGE GROUP - SPIUS CREEK FORMATION Lower Cretaceous andesitic volcanic rocks (IKSBSva)
-  **IKSBPva** SPENCES BRIDGE GROUP - PIMAINUS FORMATION Lower Cretaceous andesitic volcanic rocks (IKSBPva)
-  **IKJ** JACKASS MOUNTAIN GROUP Lower Cretaceous undivided sedimentary rocks (IKJ)
-  **LTrJGH** GUICHON CREEK BATHOLITH - HIGHLAND VALLEY PHASE Late Triassic to Early Jurassic granodioritic intrusive rocks (LTrJGH)
-  **LTrJGBo** GUICHON CREEK BATHOLITH - BORDER PHASE Late Triassic to Early Jurassic quartz dioritic intrusive rocks (LTrJGBo)

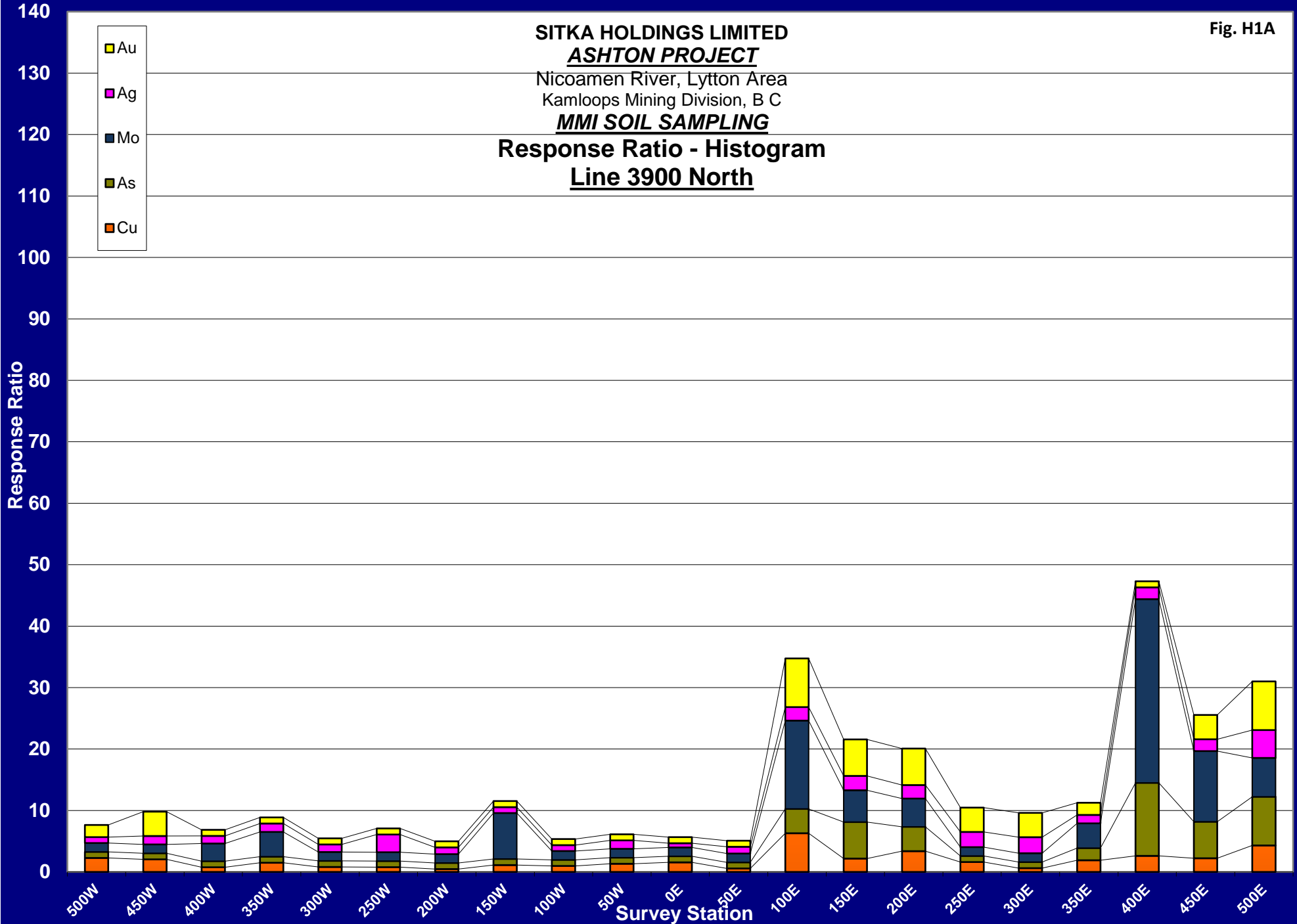
-  **uTrNW** NICOLA GROUP - WESTERN VOLCANIC FACIES Upper Triassic undivided volcanic rocks (uTrNW)
-  **PTrMgd** MOUNT LYTTON COMPLEX Permian to Triassic granodioritic intrusive rocks (PTrMgd)
-  **PTrMdr** MOUNT LYTTON COMPLEX Permian to Triassic dioritic intrusive rocks (PTrMdr)
-  **PTrMml** MOUNT LYTTON COMPLEX Permian to Triassic lower amphibolite/kyanite grade metamorphic rocks (PTrMml)
-  **MmJBsv** BRIDGE RIVER COMPLEX Mississippian to Middle Jurassic marine sedimentary and volcanic rocks (MmJBsv)
-  **MmJBus** BRIDGE RIVER COMPLEX Mississippian to Middle Jurassic serpentinite ultramafic rocks (MmJBus)
-  Contact
-  Fault

<b>SITKA HOLDINGS LIMITED</b>				
<b>ASHTON PROJECT</b>				
NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC				
<b><i>GEOLOGY LEGEND</i></b>				
<b>DRAWN BY:</b>	<b>JOB NO.:</b>	<b>NTS:</b>	<b>DATE:</b>	<b>FIG NO.:</b>
<b>CAM</b>	<b>15-01</b>	92/03 92/06	<b>Jul '15</b>	<b>4a</b>



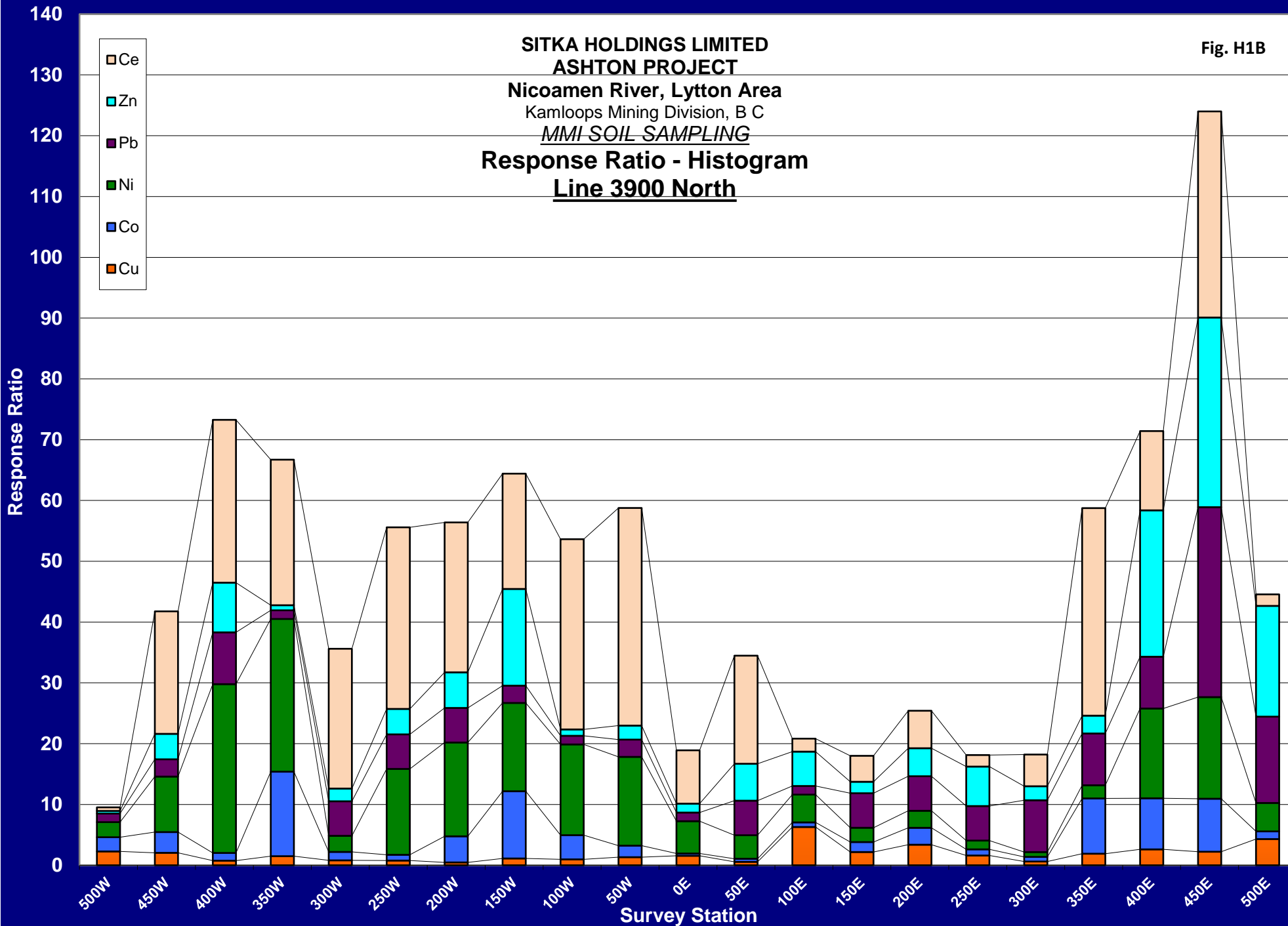
**SITKA HOLDINGS LIMITED**  
**ASHTON PROJECT**  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Line 3900 North**

- Au
- Ag
- Mo
- As
- Cu

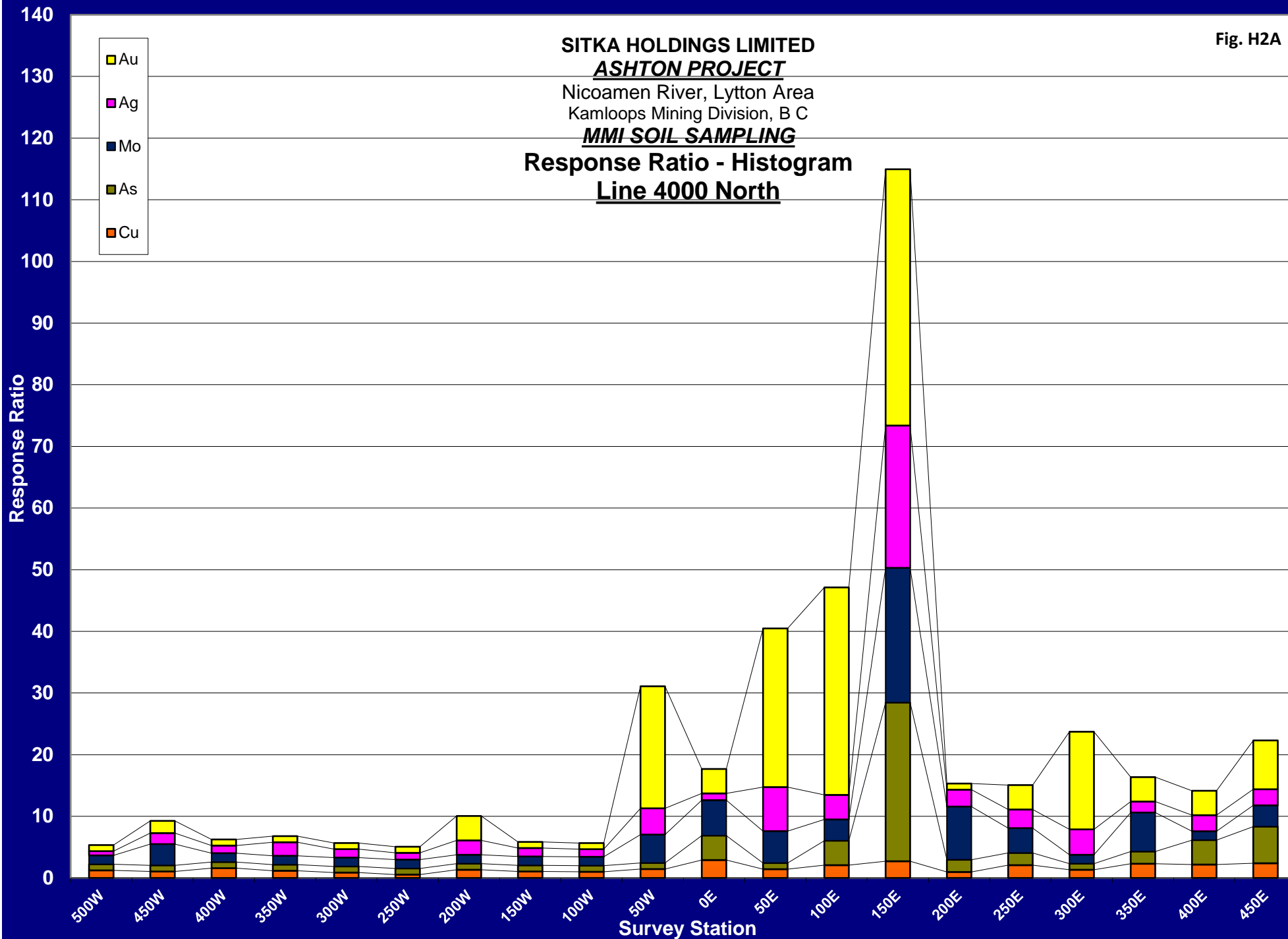


**SITKA HOLDINGS LIMITED**  
**ASHTON PROJECT**  
 Nicoamen River, Lytton Area  
 Kamloops Mining Division, B C  
*MMI SOIL SAMPLING*  
**Response Ratio - Histogram**  
**Line 3900 North**

Fig. H1B

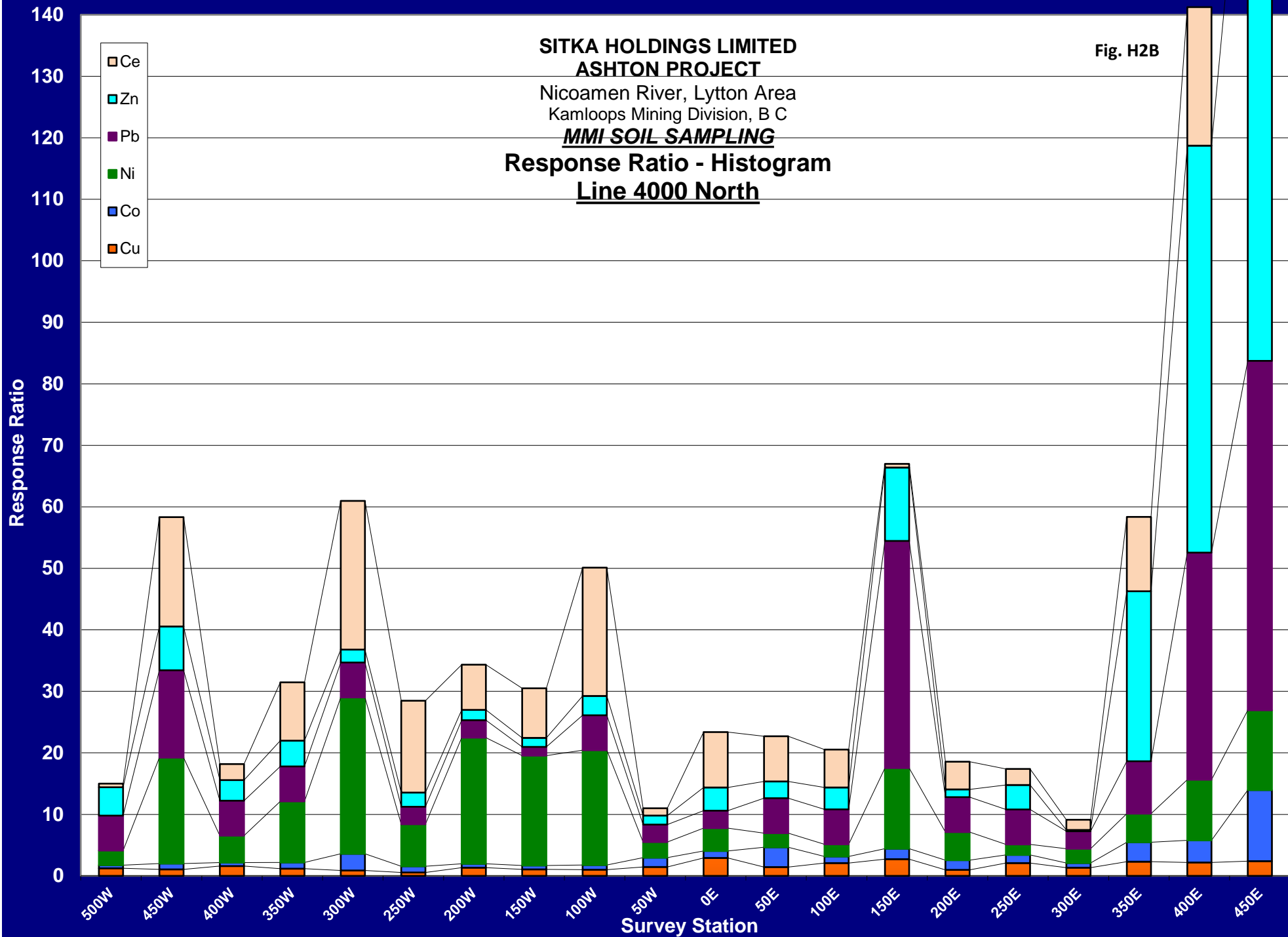


**SITKA HOLDINGS LIMITED**  
**ASHTON PROJECT**  
 Nicoamen River, Lytton Area  
 Kamloops Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Line 4000 North**



**SITKA HOLDINGS LIMITED**  
**ASHTON PROJECT**  
 Nicoamen River, Lytton Area  
 Kamloops Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Line 4000 North**

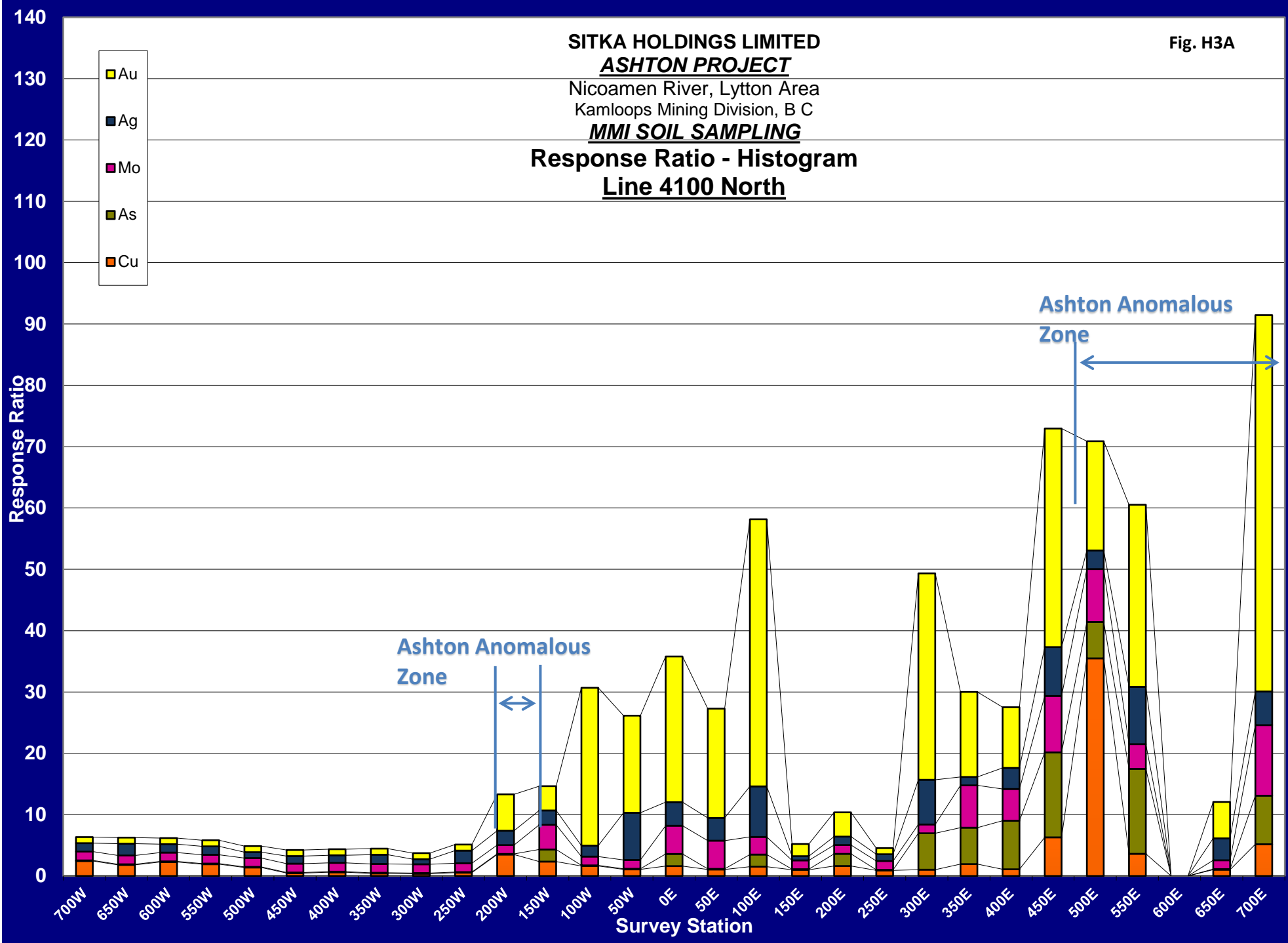
Fig. H2B





SITKA HOLDINGS LIMITED  
ASHTON PROJECT  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
MMI SOIL SAMPLING  
Response Ratio - Histogram  
Line 4100 North

- Au
- Ag
- Mo
- As
- Cu



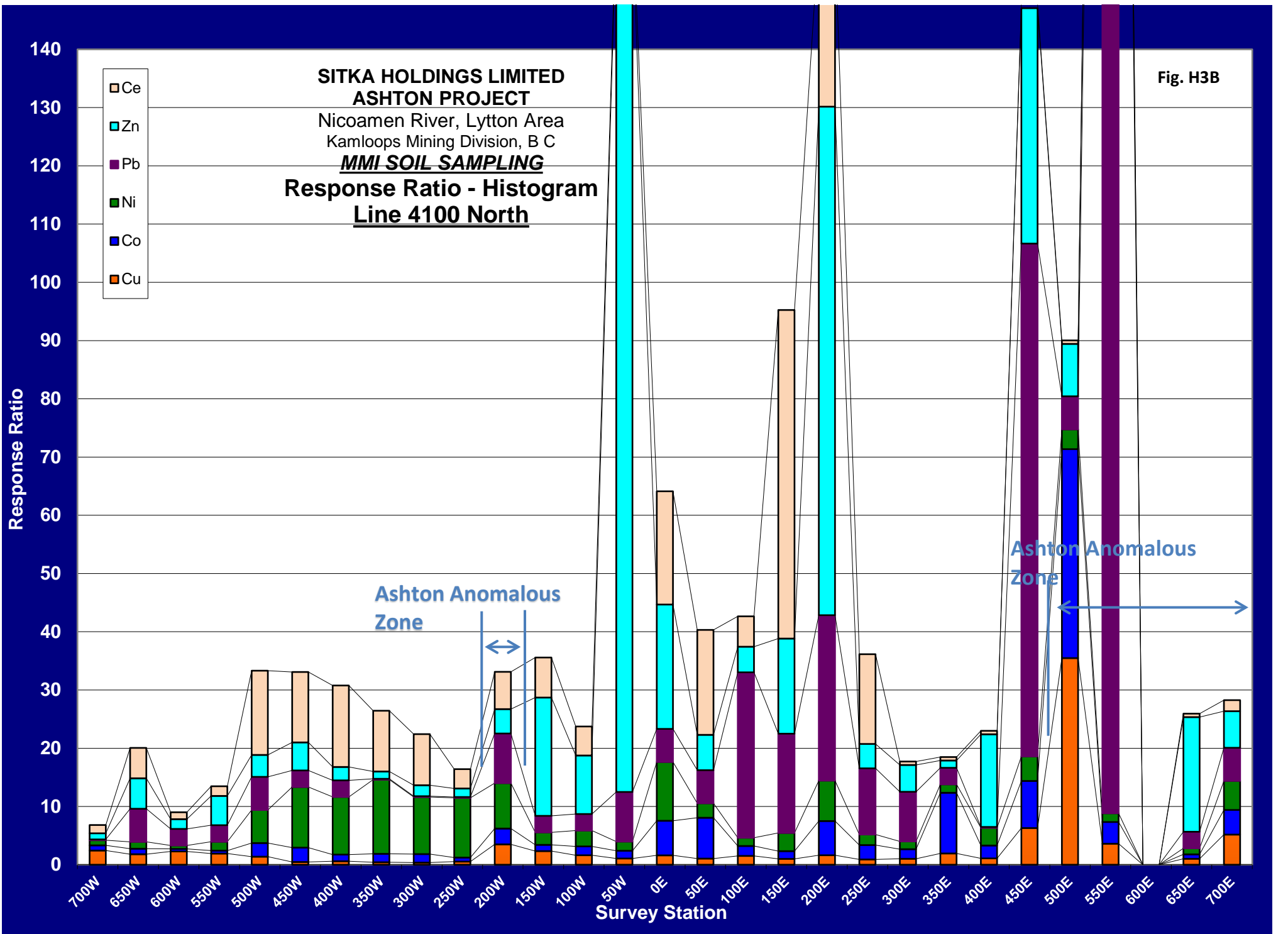
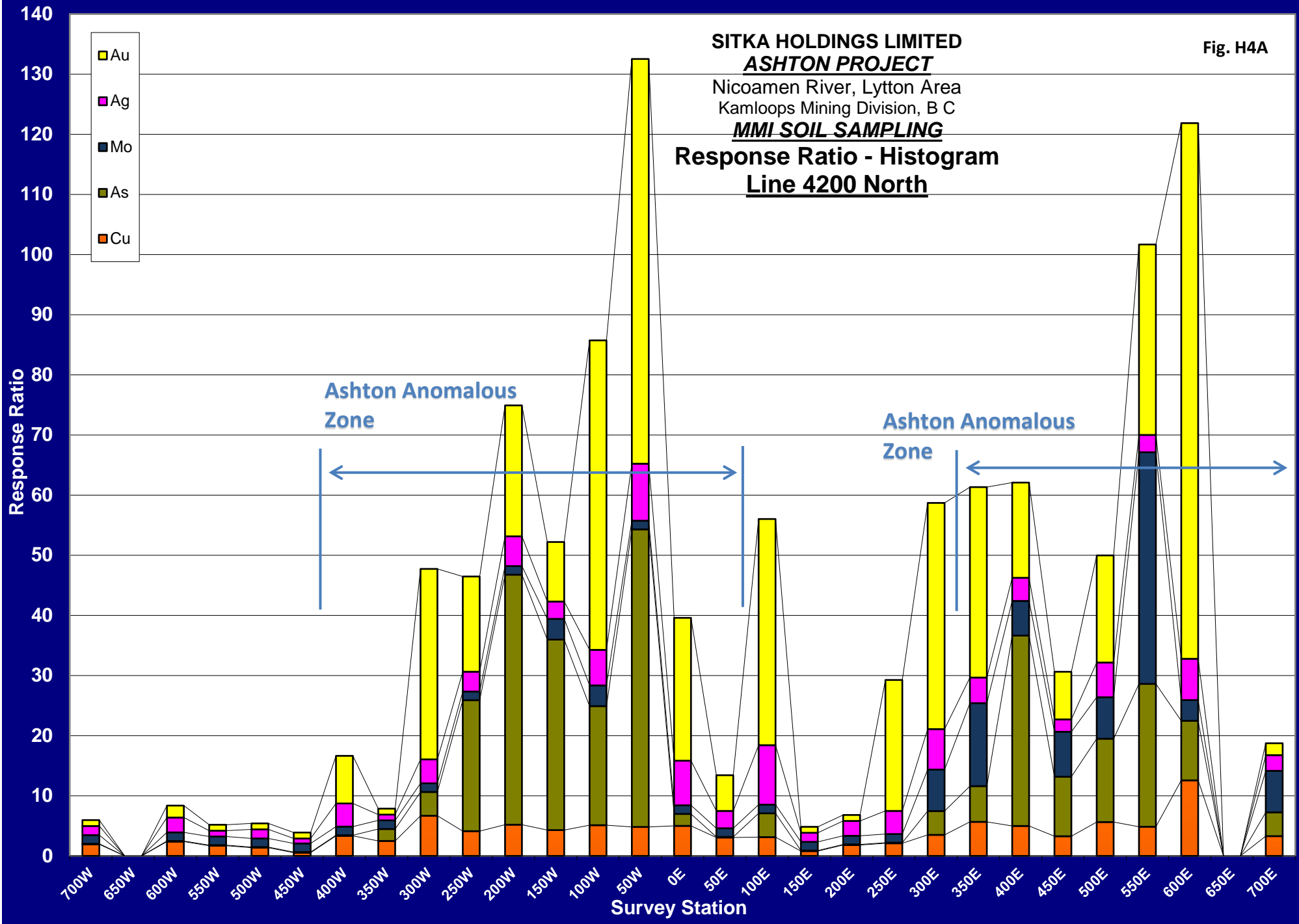
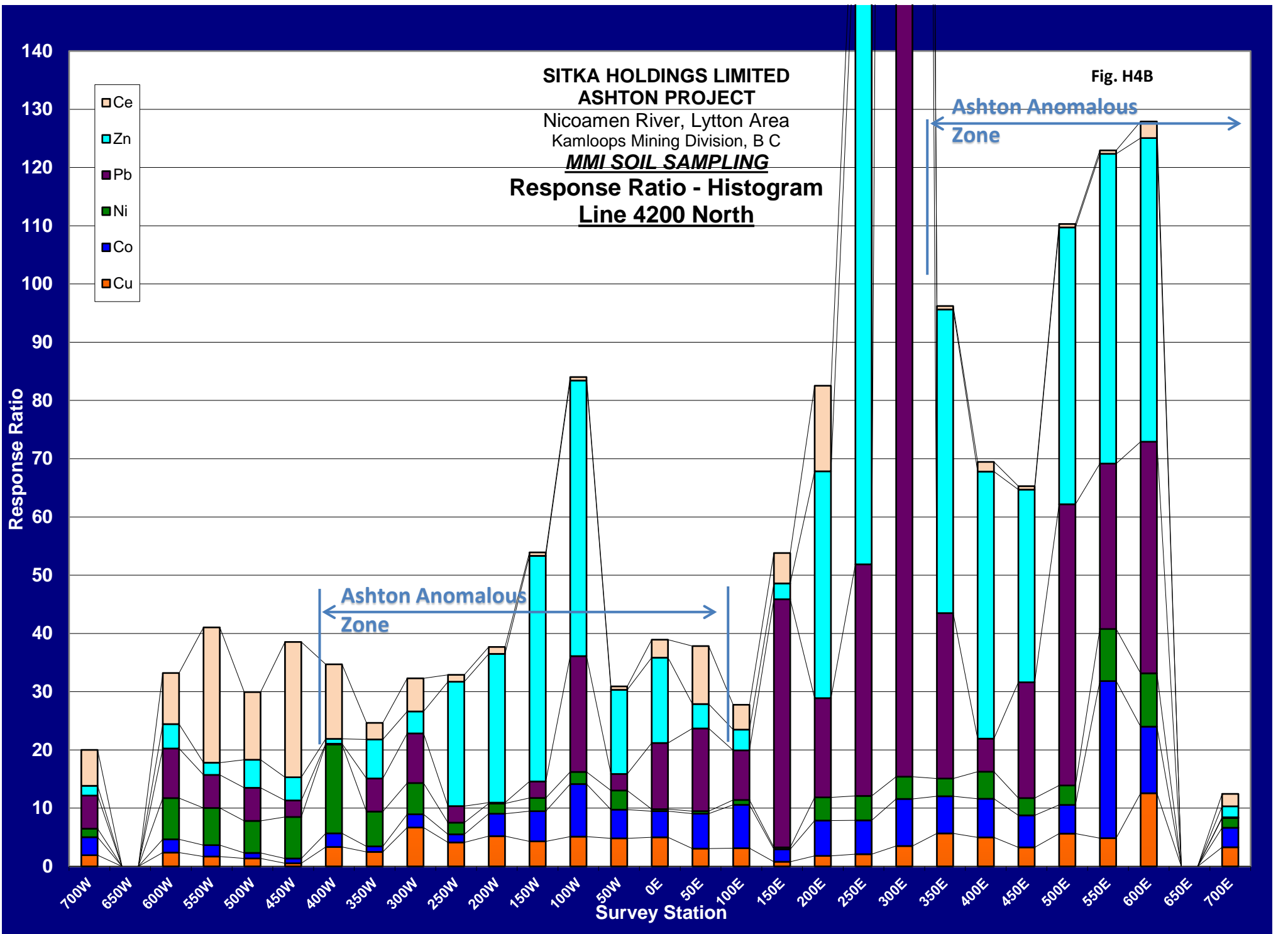


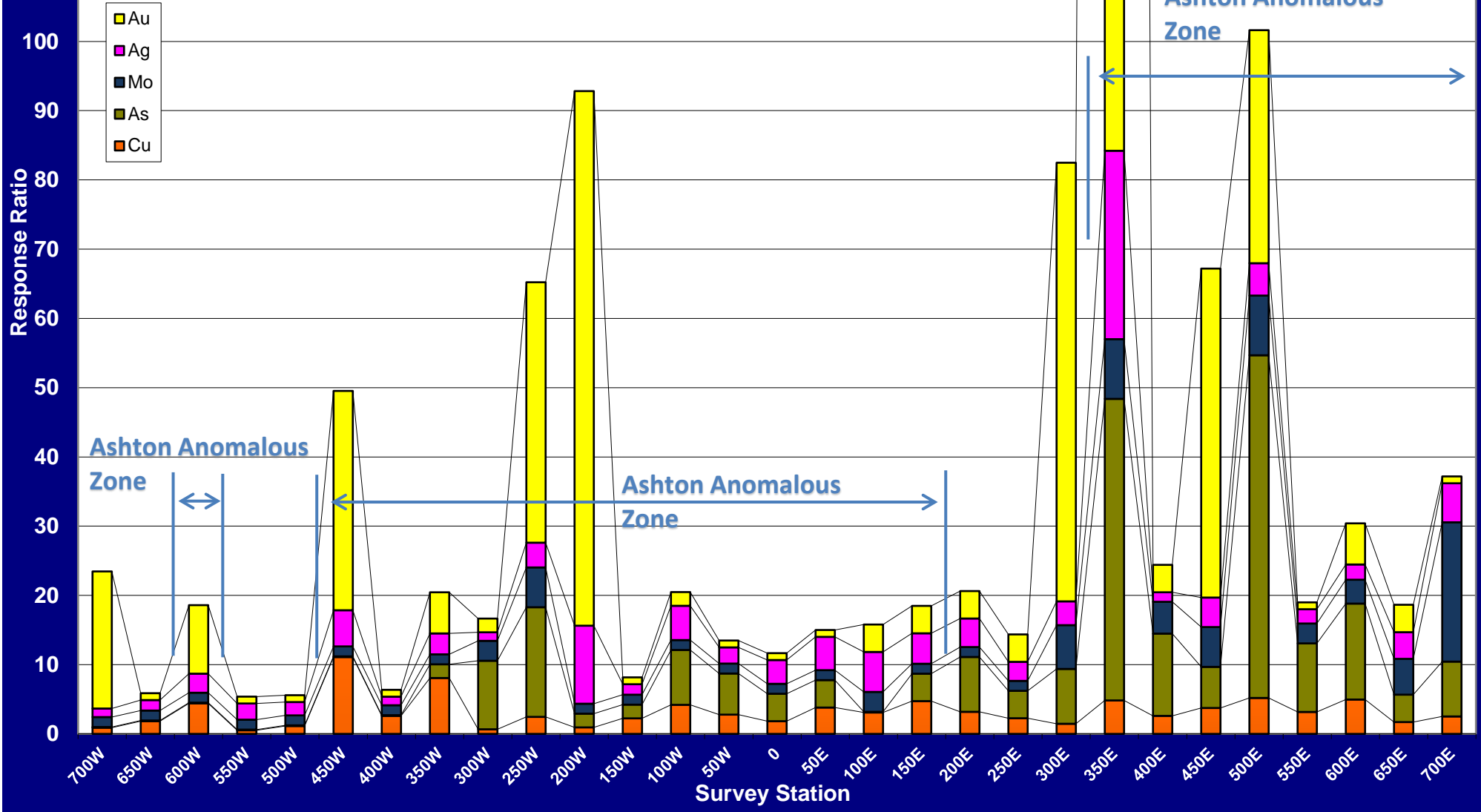
Fig. H4A

**SITKA HOLDINGS LIMITED**  
**ASHTON PROJECT**  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Line 4200 North**

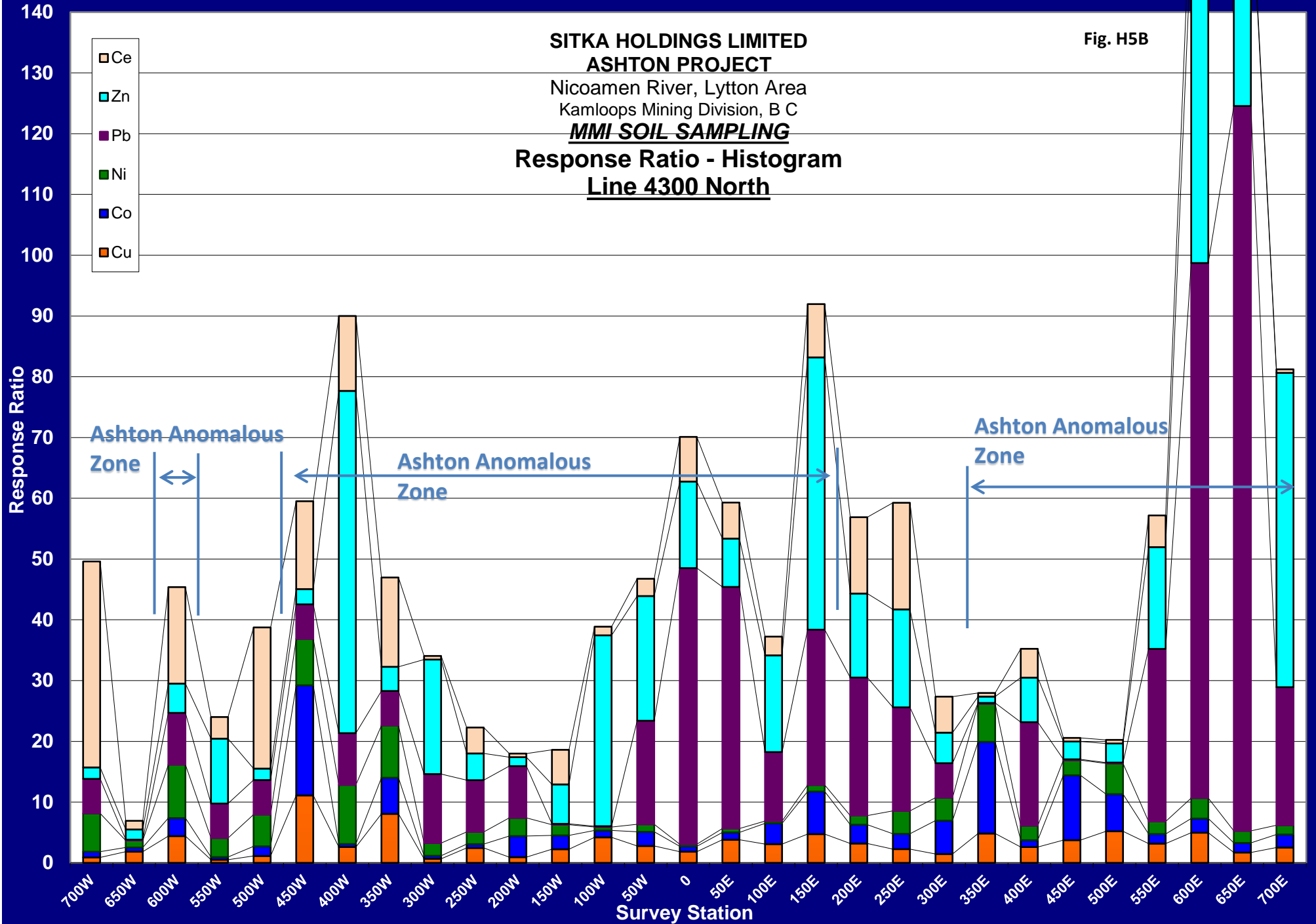




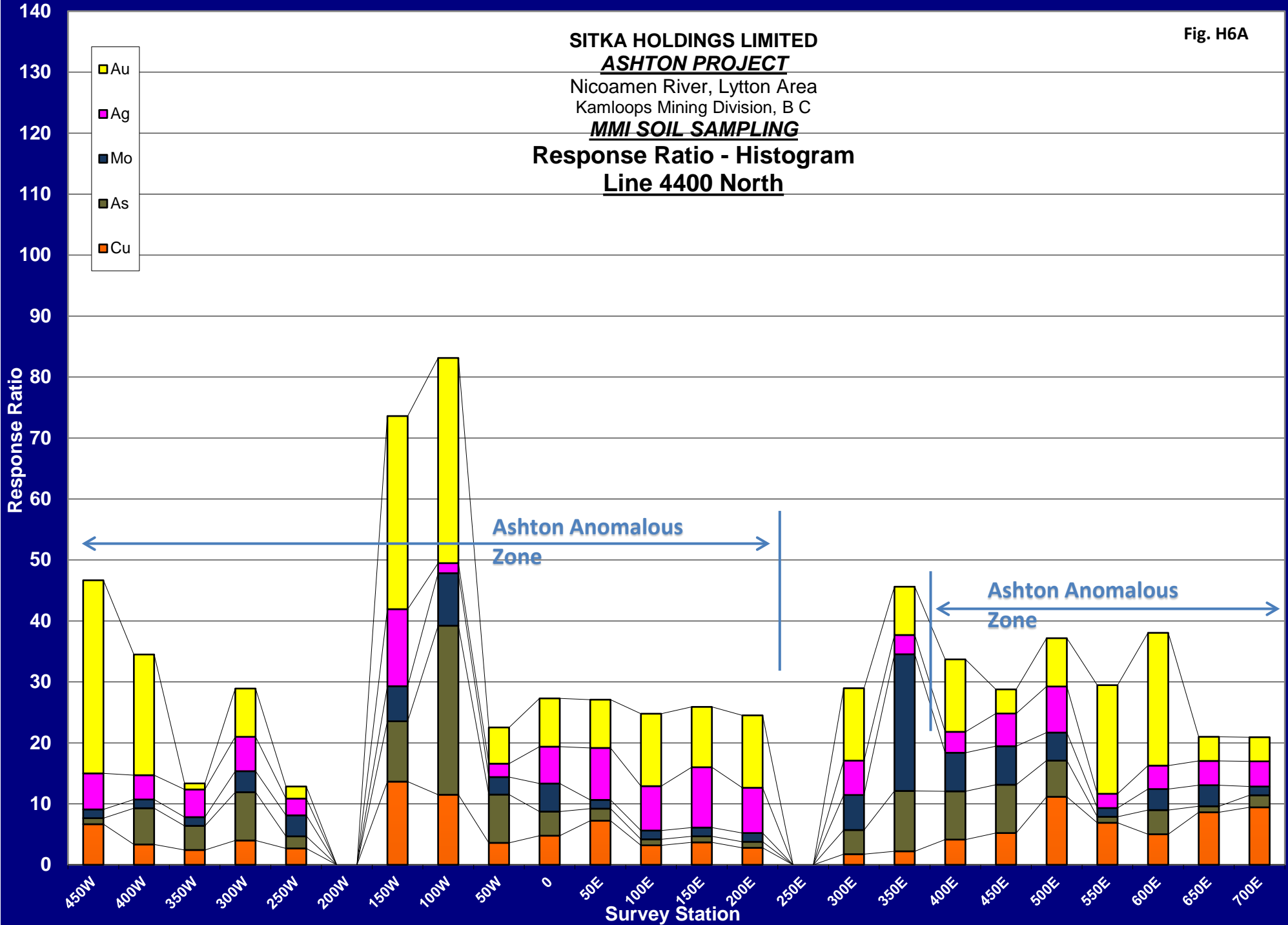
**SITKA HOLDINGS LIMITED**  
**ASHTON PROJECT**  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Line 4300 North**



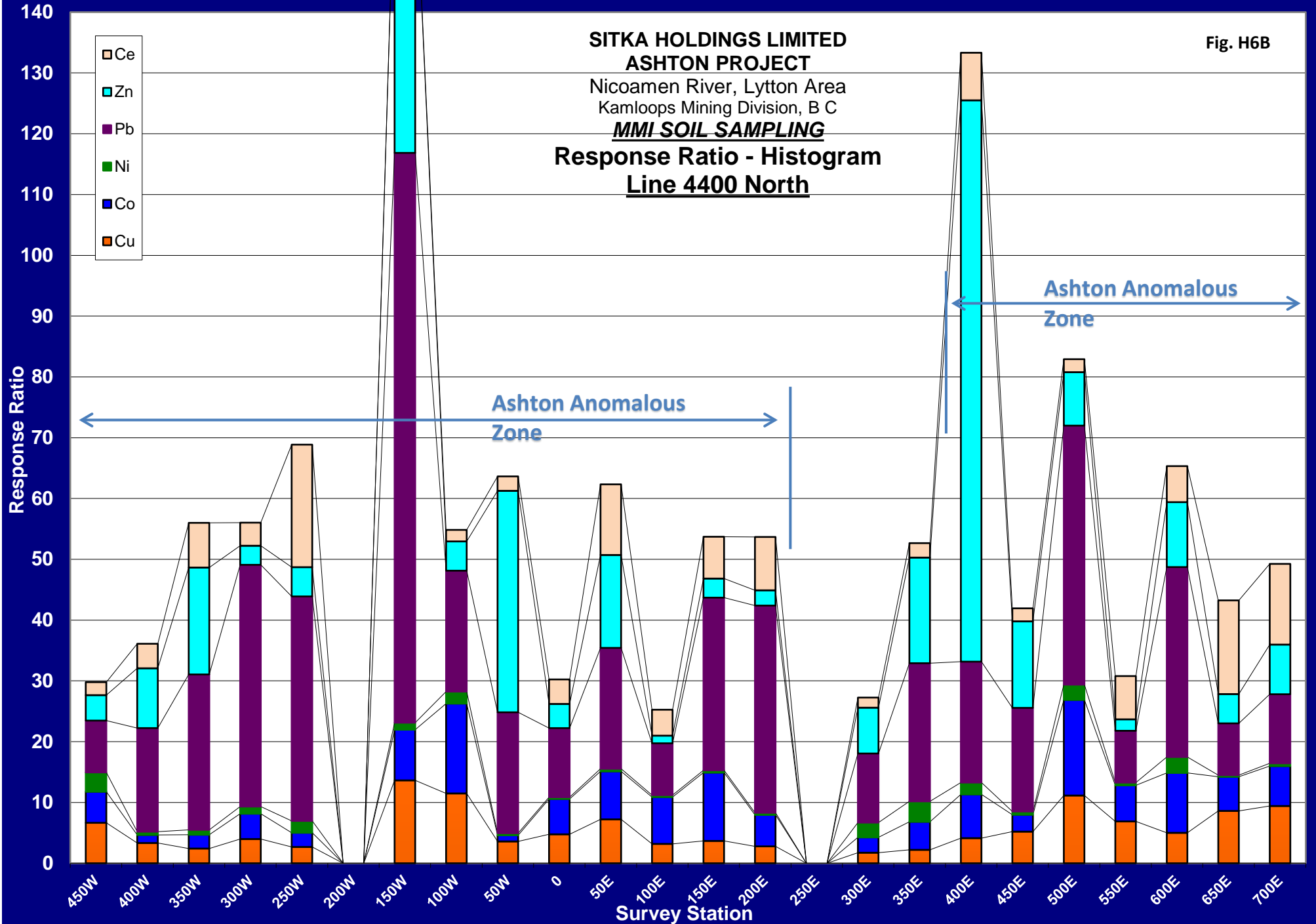
**SITKA HOLDINGS LIMITED**  
**ASHTON PROJECT**  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Line 4300 North**



SITKA HOLDINGS LIMITED  
**ASHTON PROJECT**  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Line 4400 North**

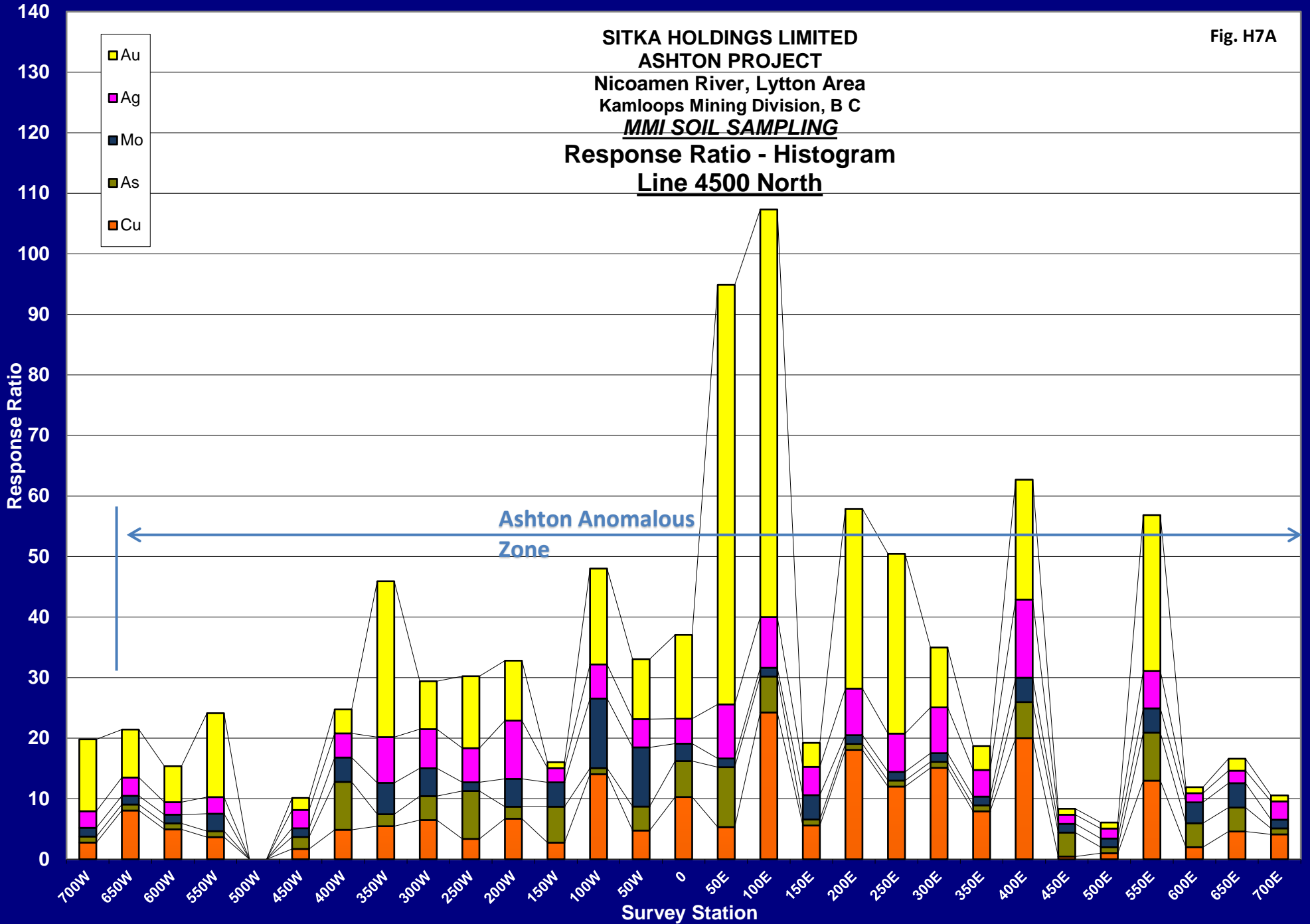


**SITKA HOLDINGS LIMITED  
ASHTON PROJECT**  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Line 4400 North**





SITKA HOLDINGS LIMITED  
ASHTON PROJECT  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
MMI SOIL SAMPLING  
Response Ratio - Histogram  
Line 4500 North



**SITKA HOLDINGS LIMITED**  
**ASHTON PROJECT**  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Line 4500 North**

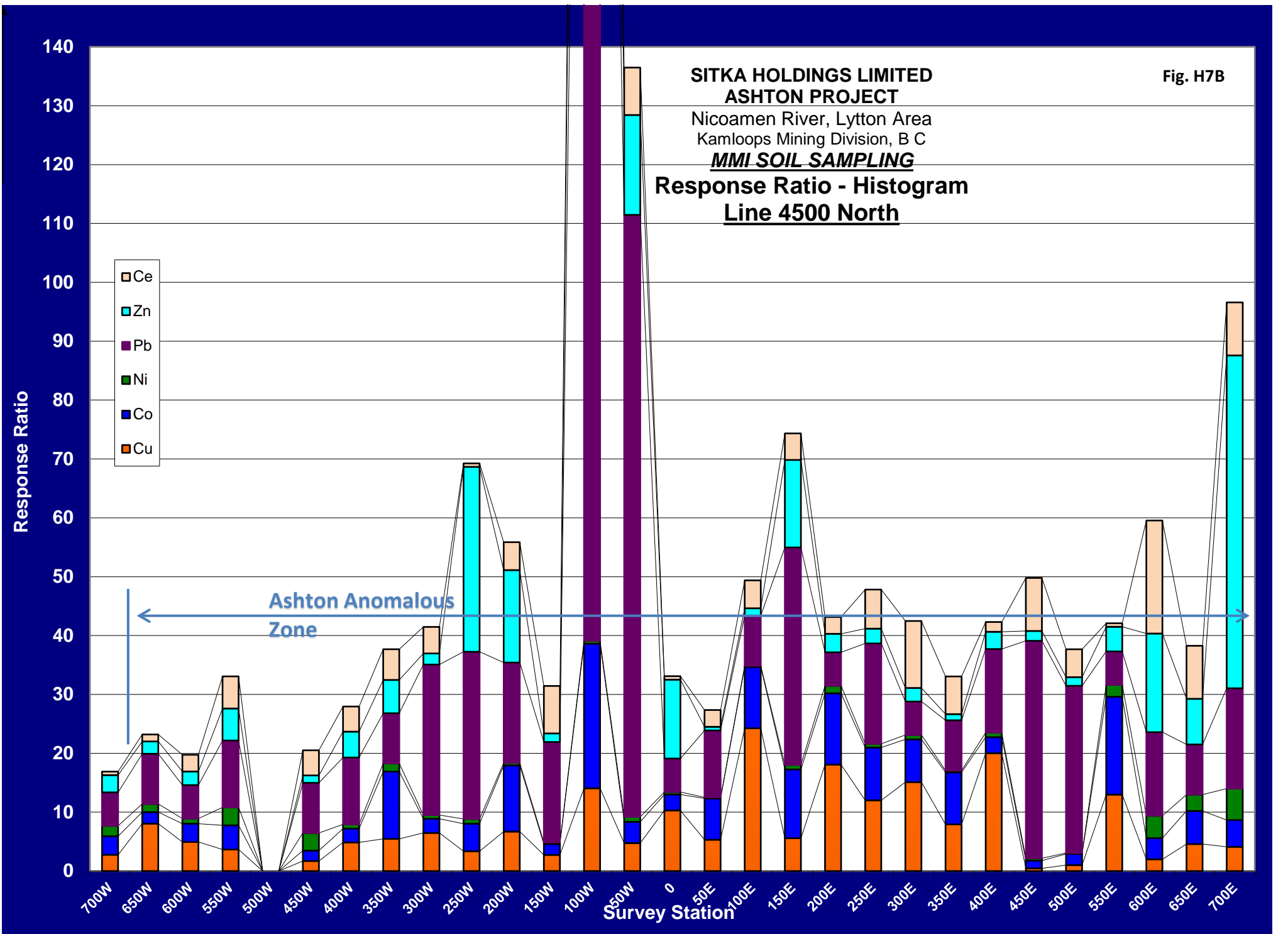
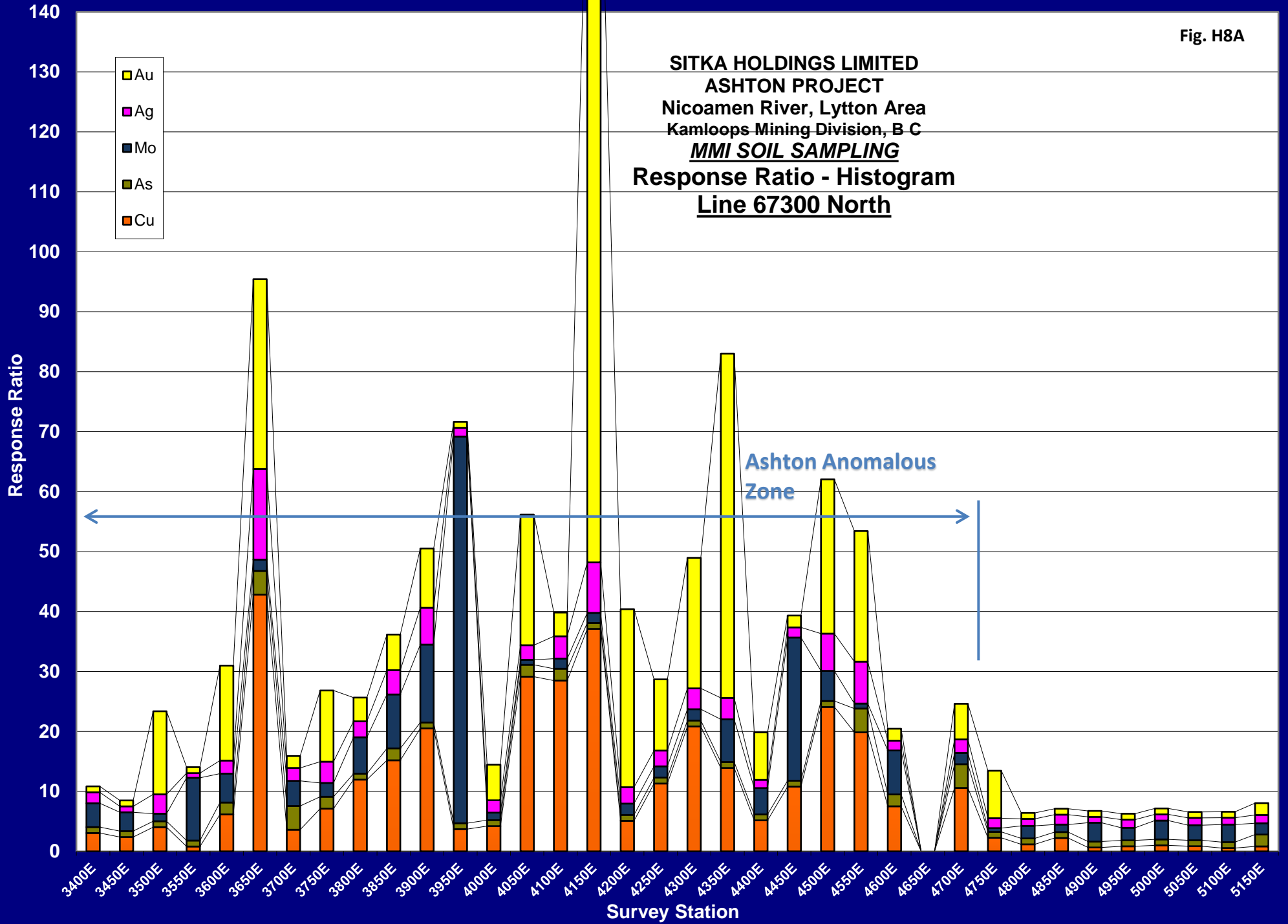


Fig. H8A

**SITKA HOLDINGS LIMITED**  
**ASHTON PROJECT**  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Line 67300 North**



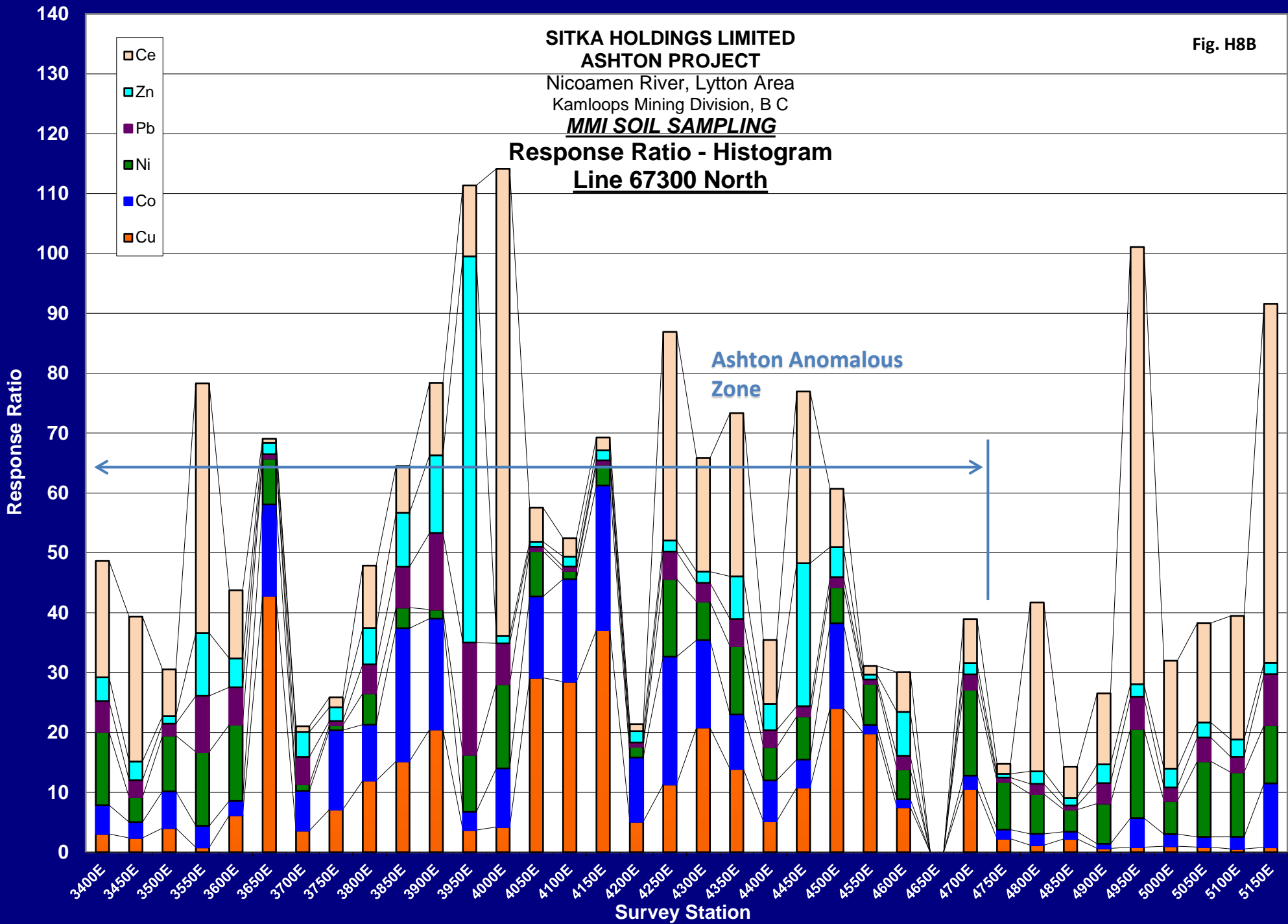
SITKA HOLDINGS LIMITED  
ASHTON PROJECT

Nicoamen River, Lytton Area  
Kamloops Mining Division, B C

MMI SOIL SAMPLING

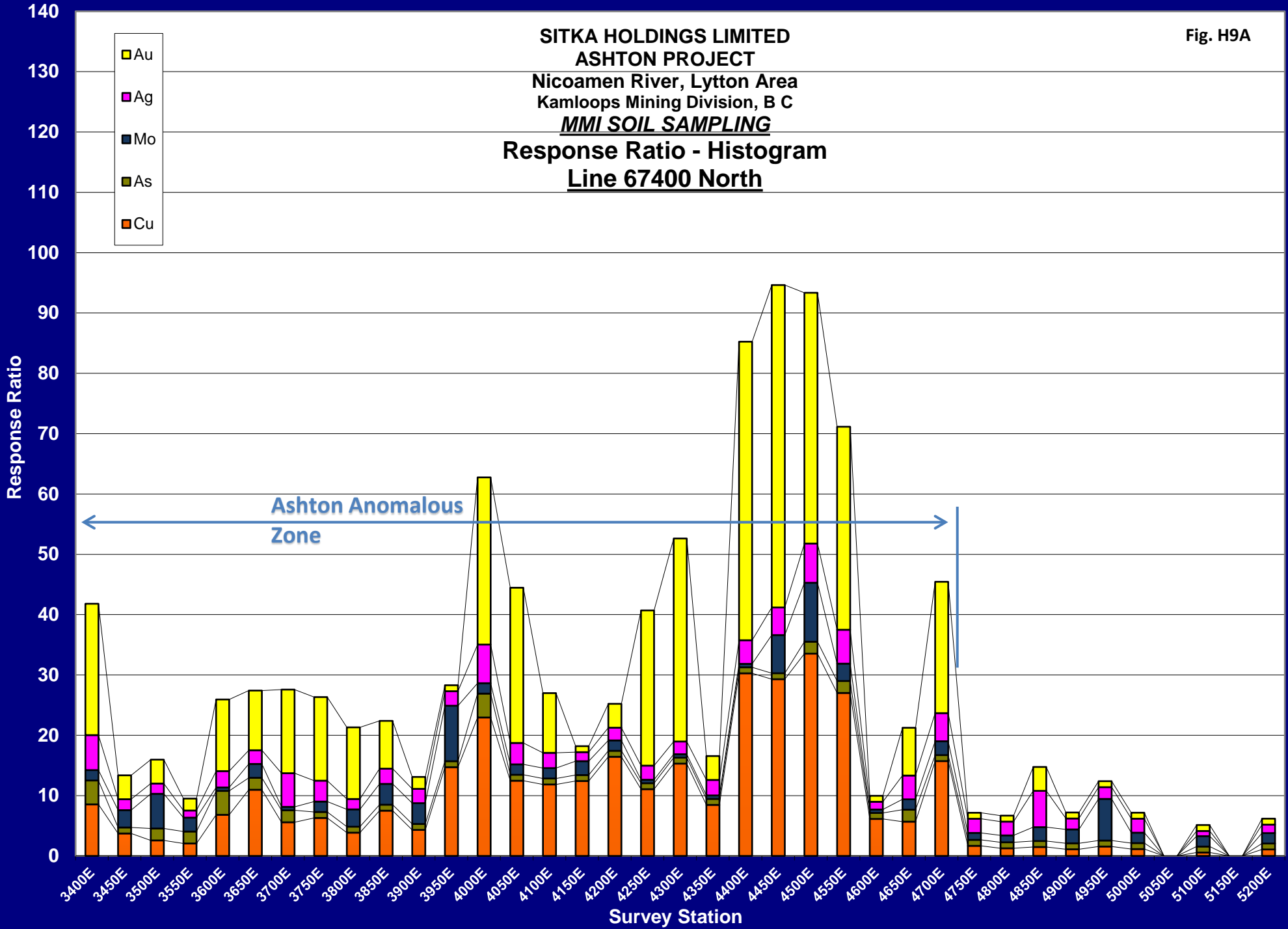
**Response Ratio - Histogram**  
Line 67300 North

Fig. H8B

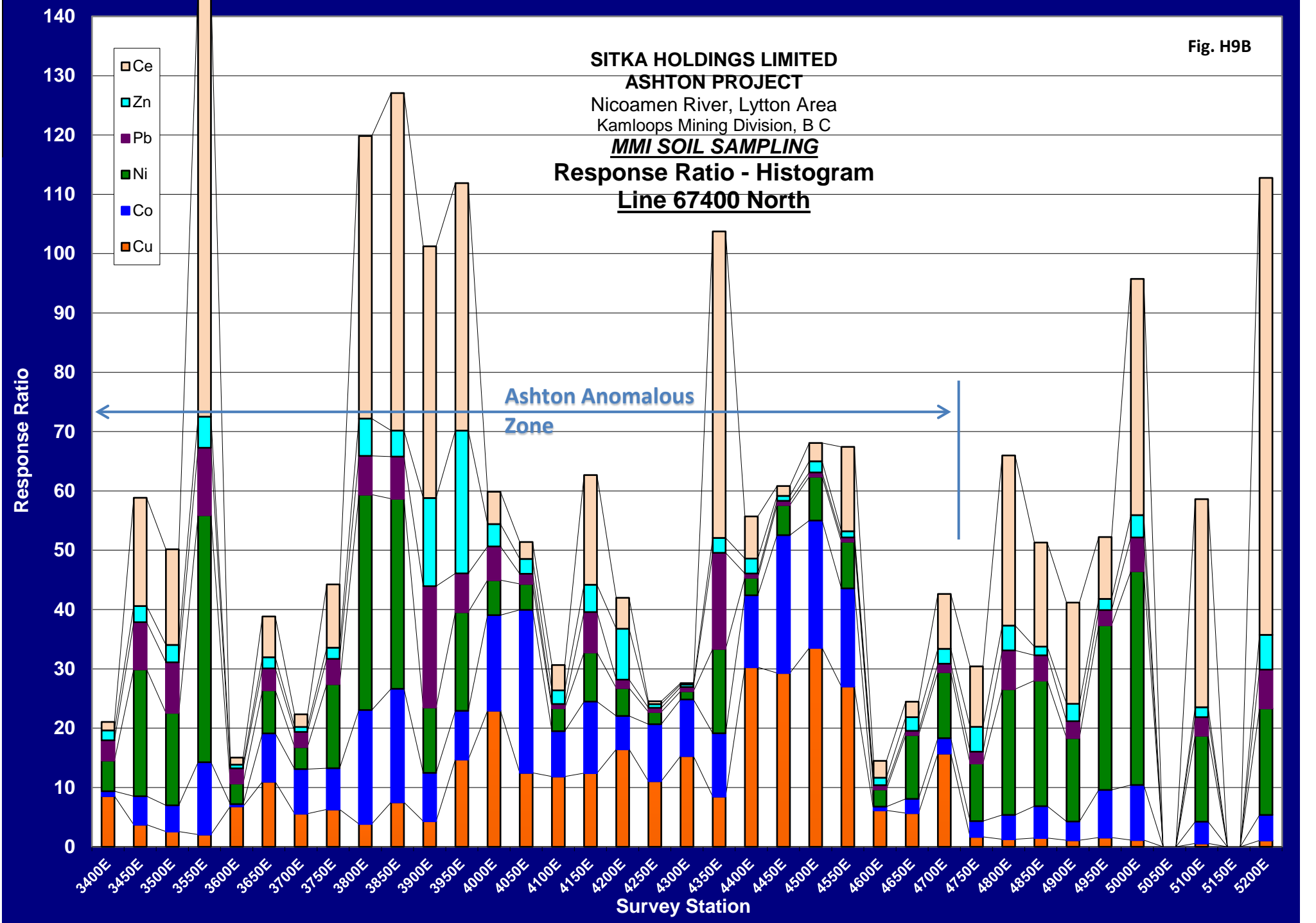


SITKA HOLDINGS LIMITED  
ASHTON PROJECT  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
MMI SOIL SAMPLING  
Response Ratio - Histogram  
Line 67400 North

- Au
- Ag
- Mo
- As
- Cu

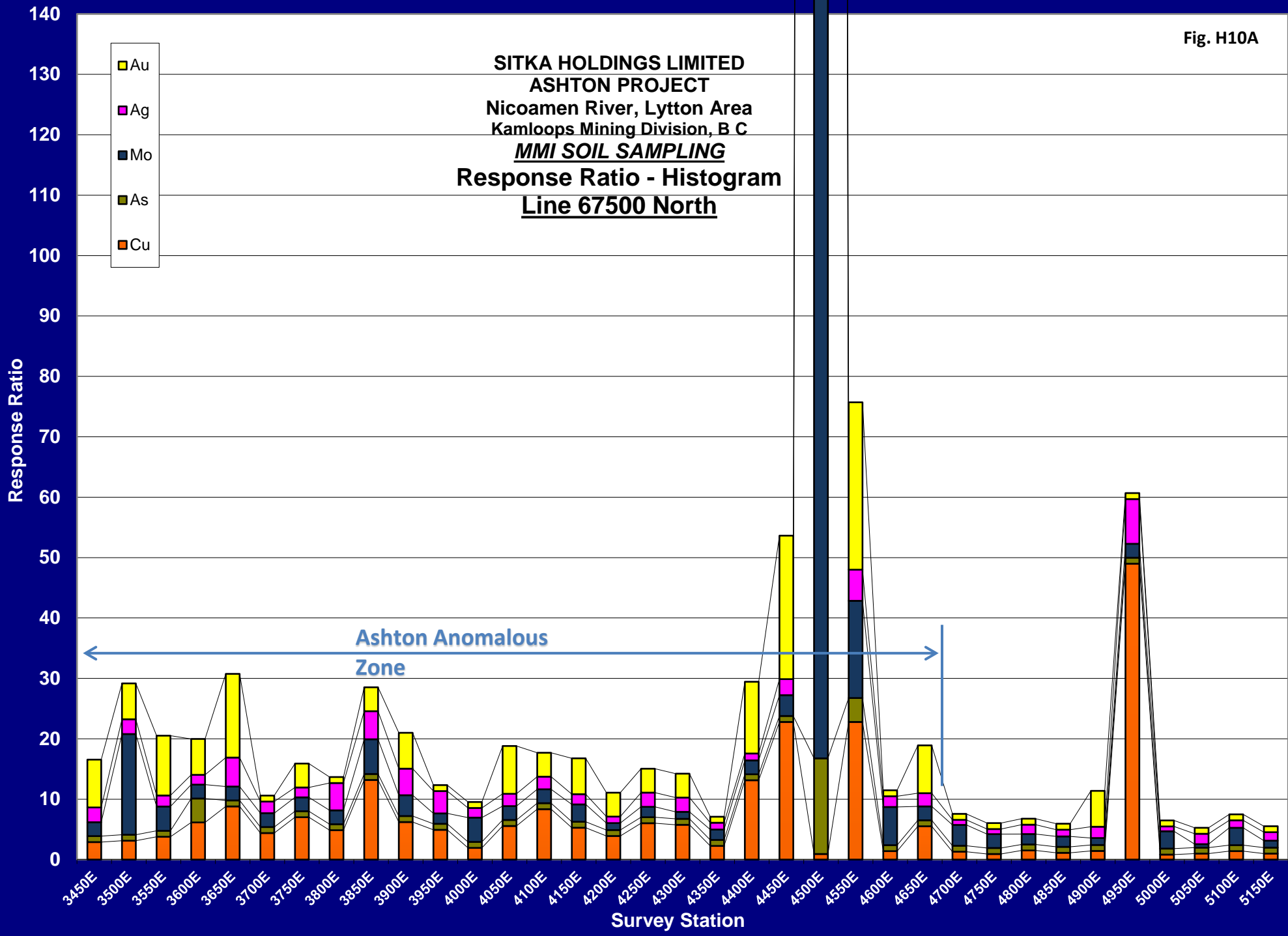


**SITKA HOLDINGS LIMITED**  
**ASHTON PROJECT**  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Line 67400 North**



**SITKA HOLDINGS LIMITED  
ASHTON PROJECT  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
MMI SOIL SAMPLING  
Response Ratio - Histogram  
Line 67500 North**

- Au
- Ag
- Mo
- As
- Cu



**SITKA HOLDINGS LIMITED**  
**ASHTON PROJECT**  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B.C.  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Line 67500 North**

- Ce
- Zn
- Pb
- Ni
- Co
- Cu

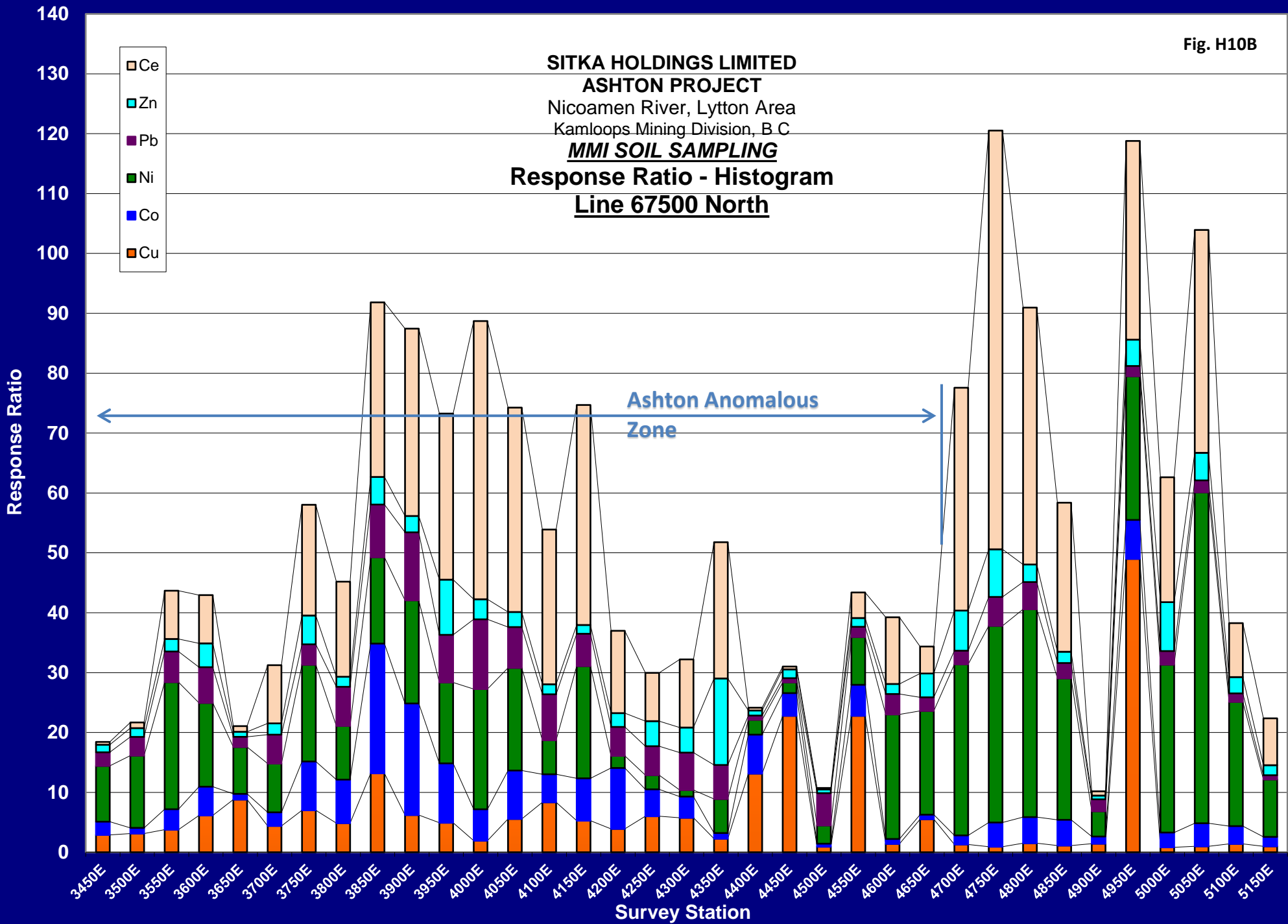
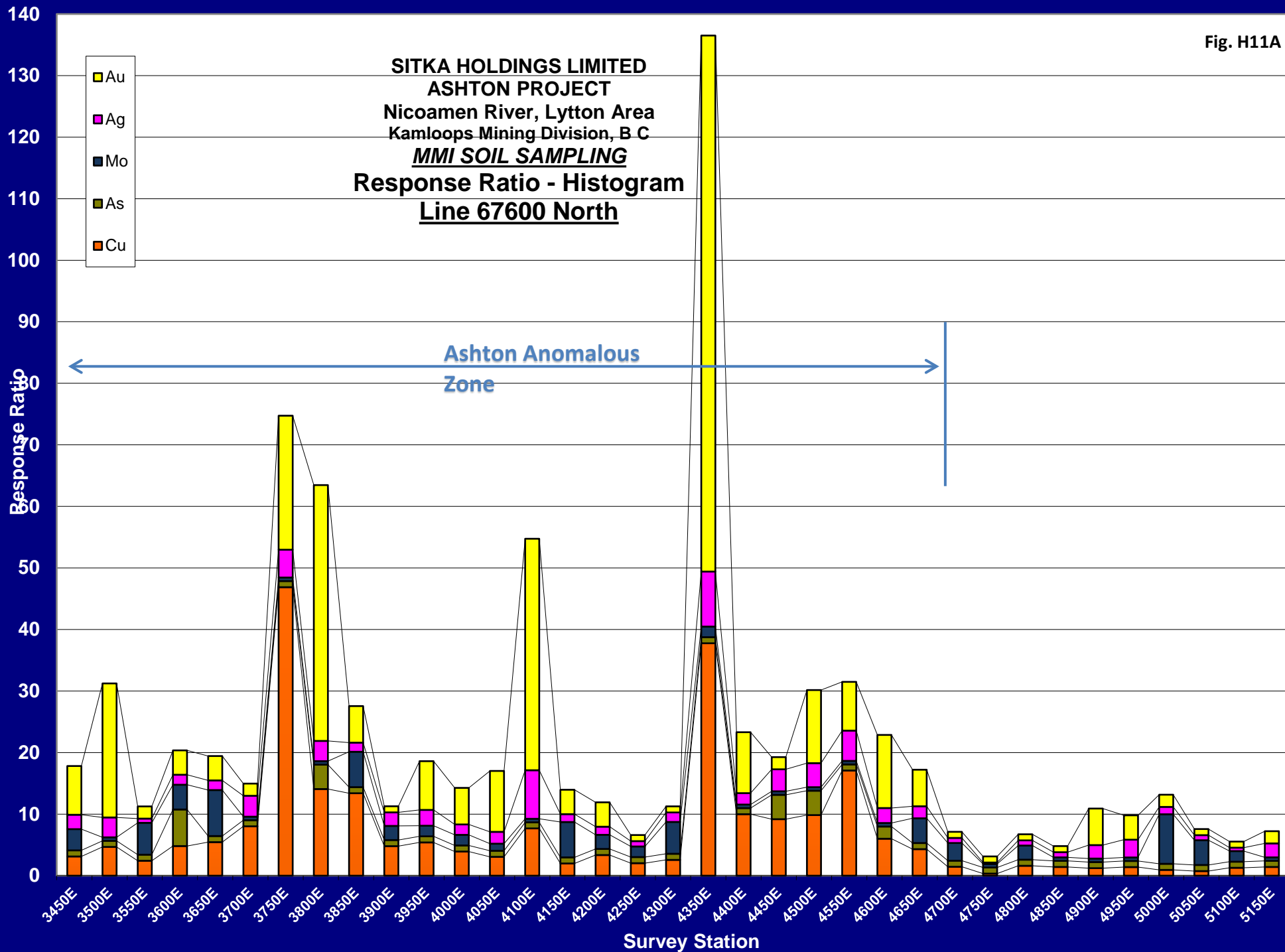




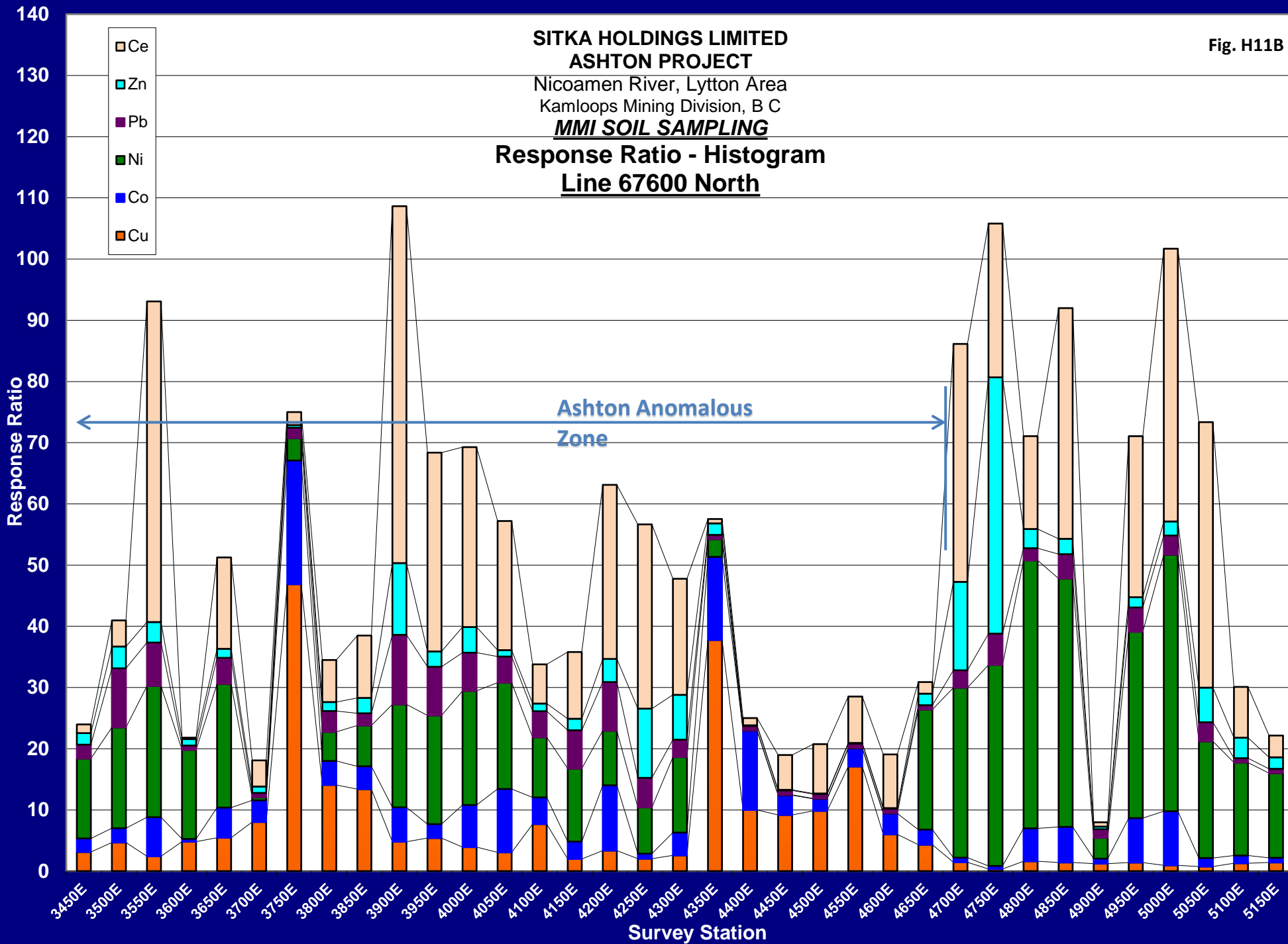
Fig. H11A

SITKA HOLDINGS LIMITED  
ASHTON PROJECT  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Line 67600 North**

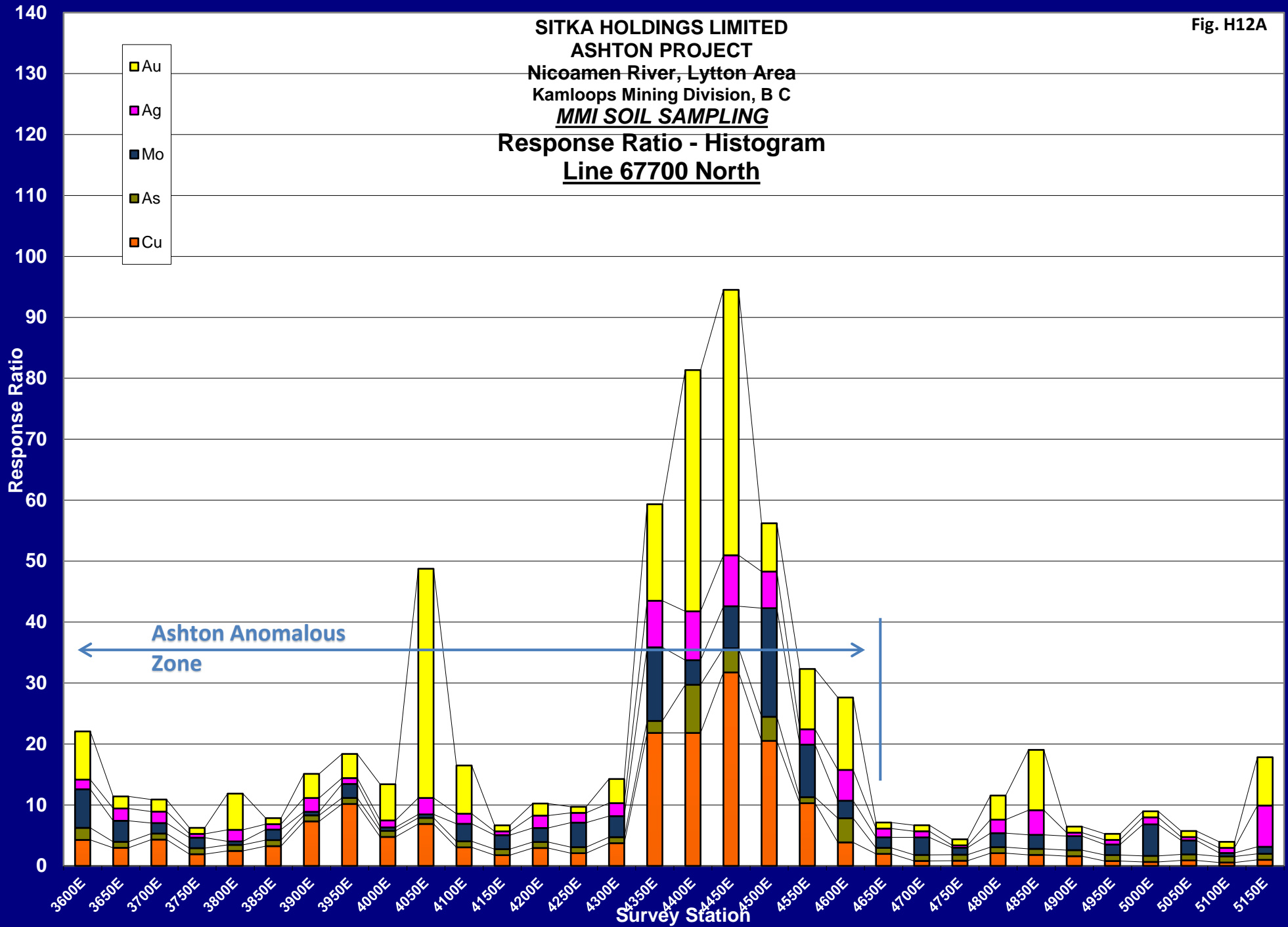


**SITKA HOLDINGS LIMITED**  
**ASHTON PROJECT**  
 Nicoamen River, Lytton Area  
 Kamloops Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Line 67600 North**

Fig. H11B

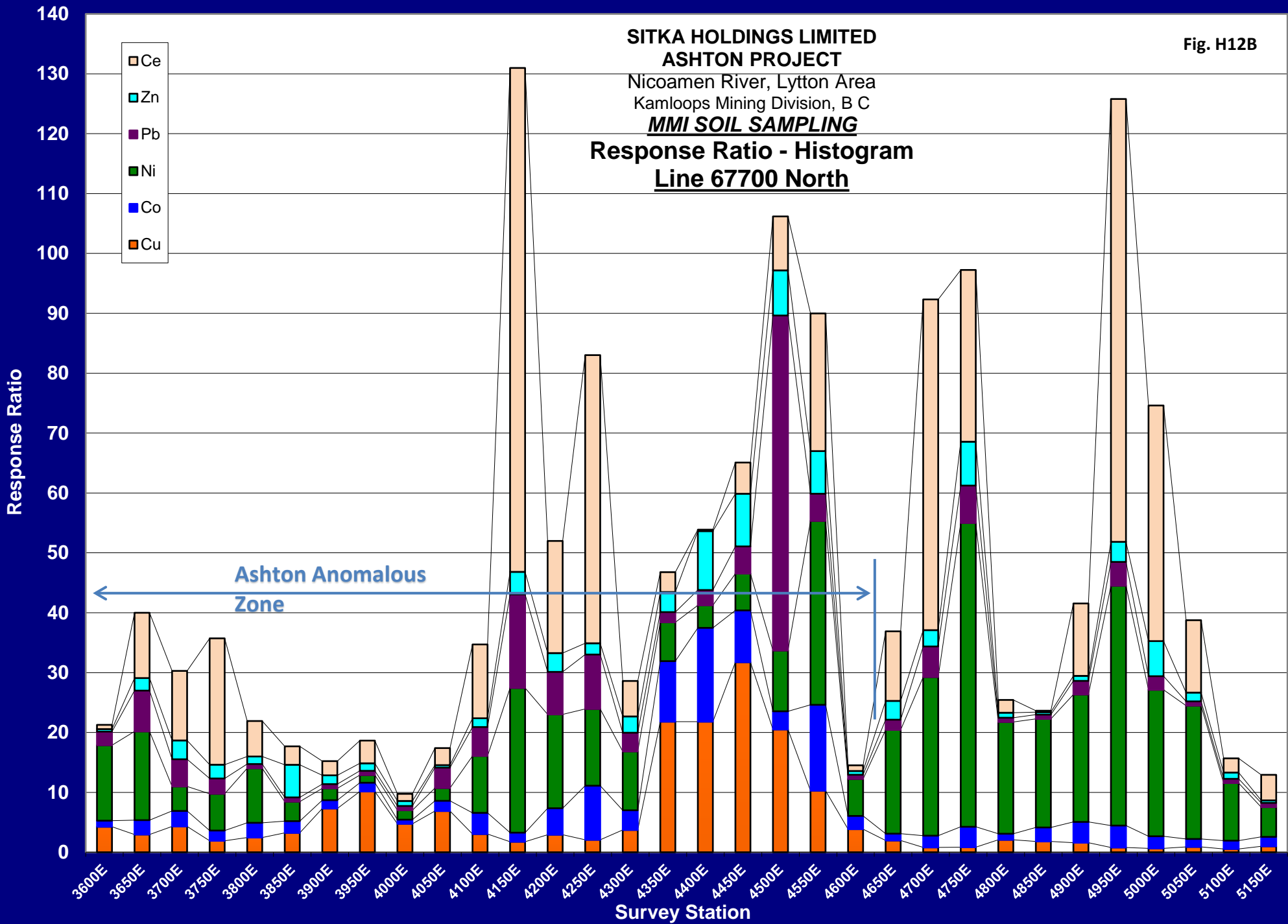


SITKA HOLDINGS LIMITED  
ASHTON PROJECT  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
MMI SOIL SAMPLING  
Response Ratio - Histogram  
Line 67700 North

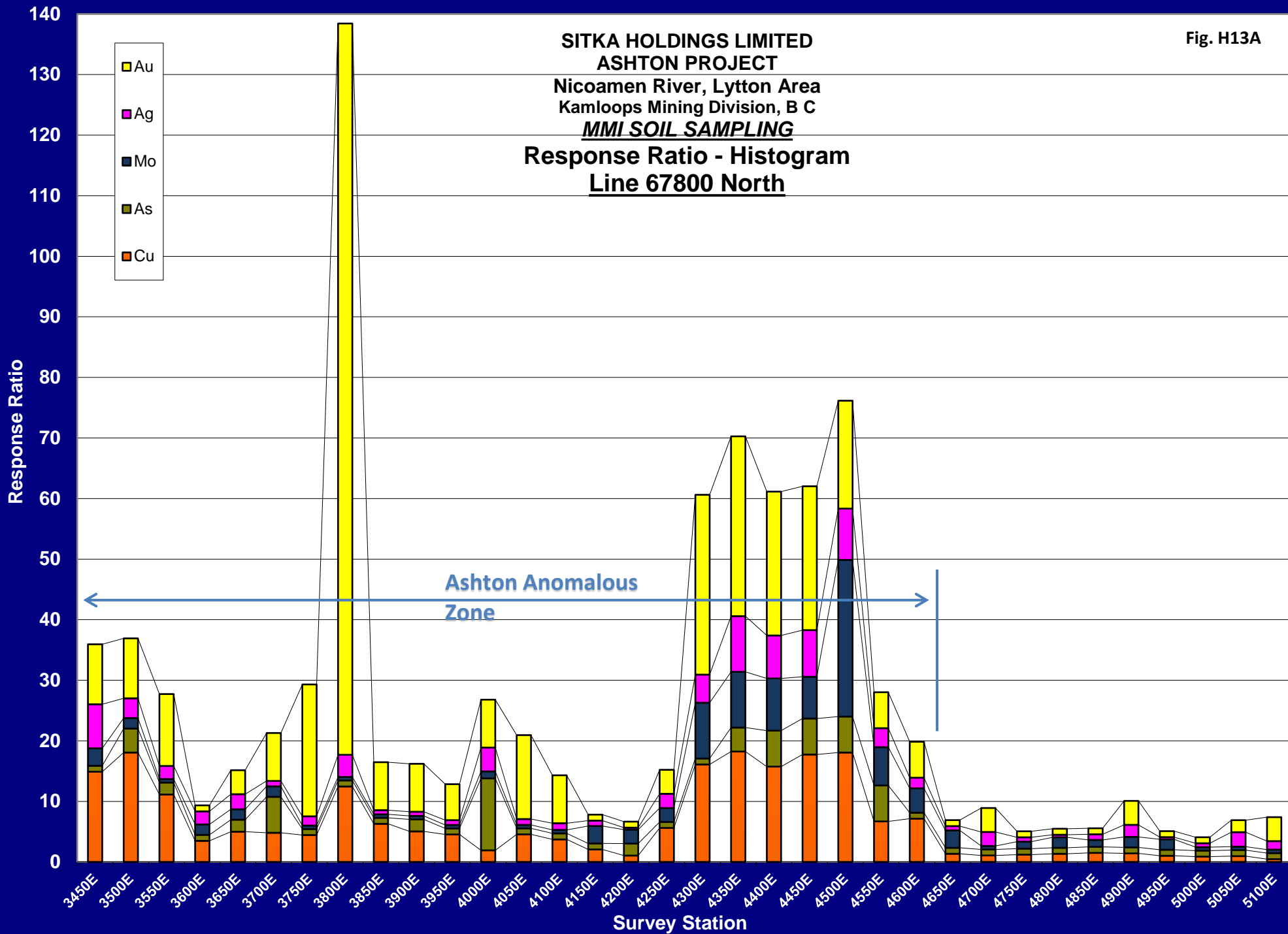


SITKA HOLDINGS LIMITED  
 ASHTON PROJECT  
 Nicoamen River, Lytton Area  
 Kamloops Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Line 67700 North**

Fig. H12B



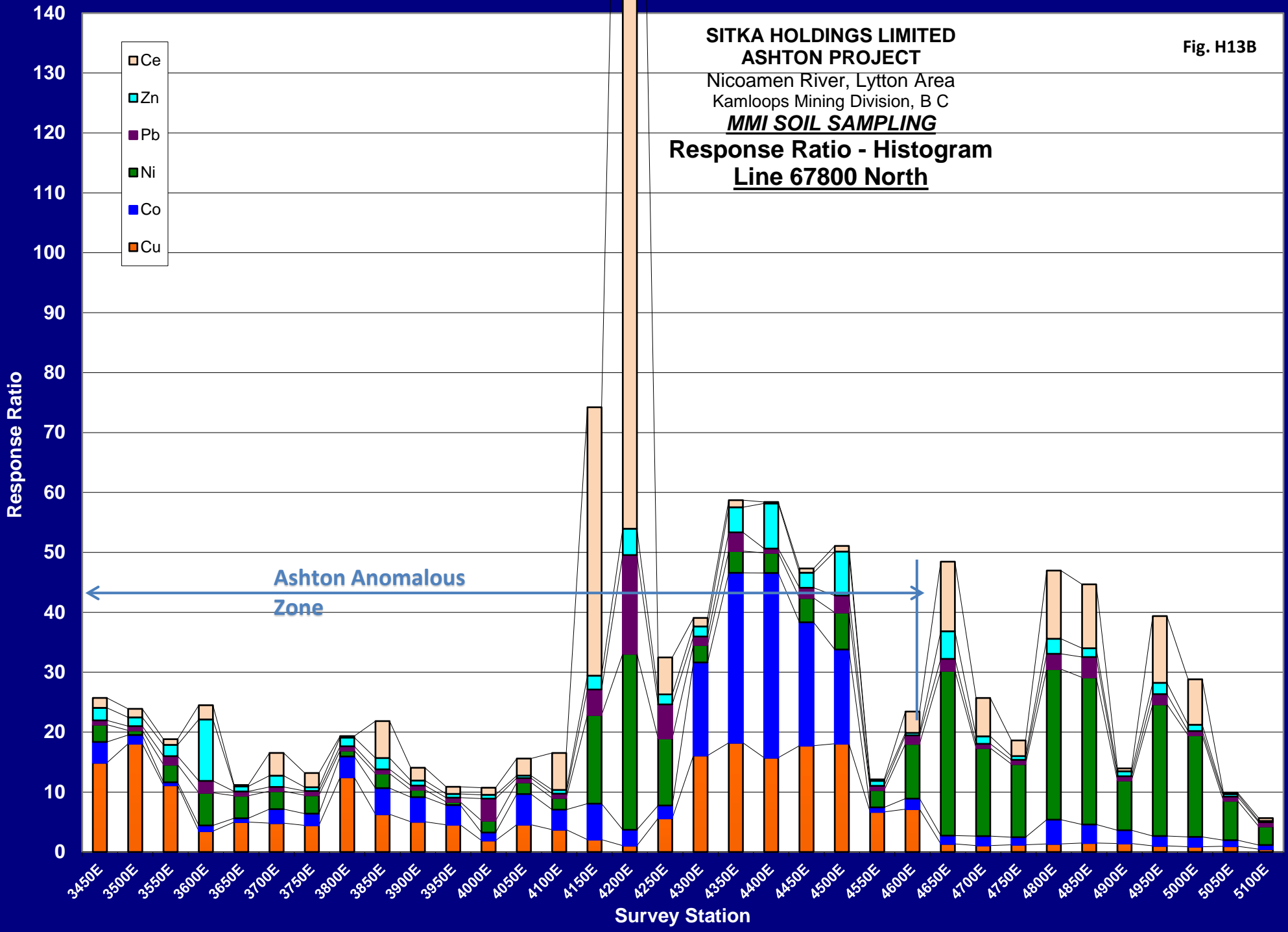
SITKA HOLDINGS LIMITED  
ASHTON PROJECT  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
MMI SOIL SAMPLING  
Response Ratio - Histogram  
Line 67800 North

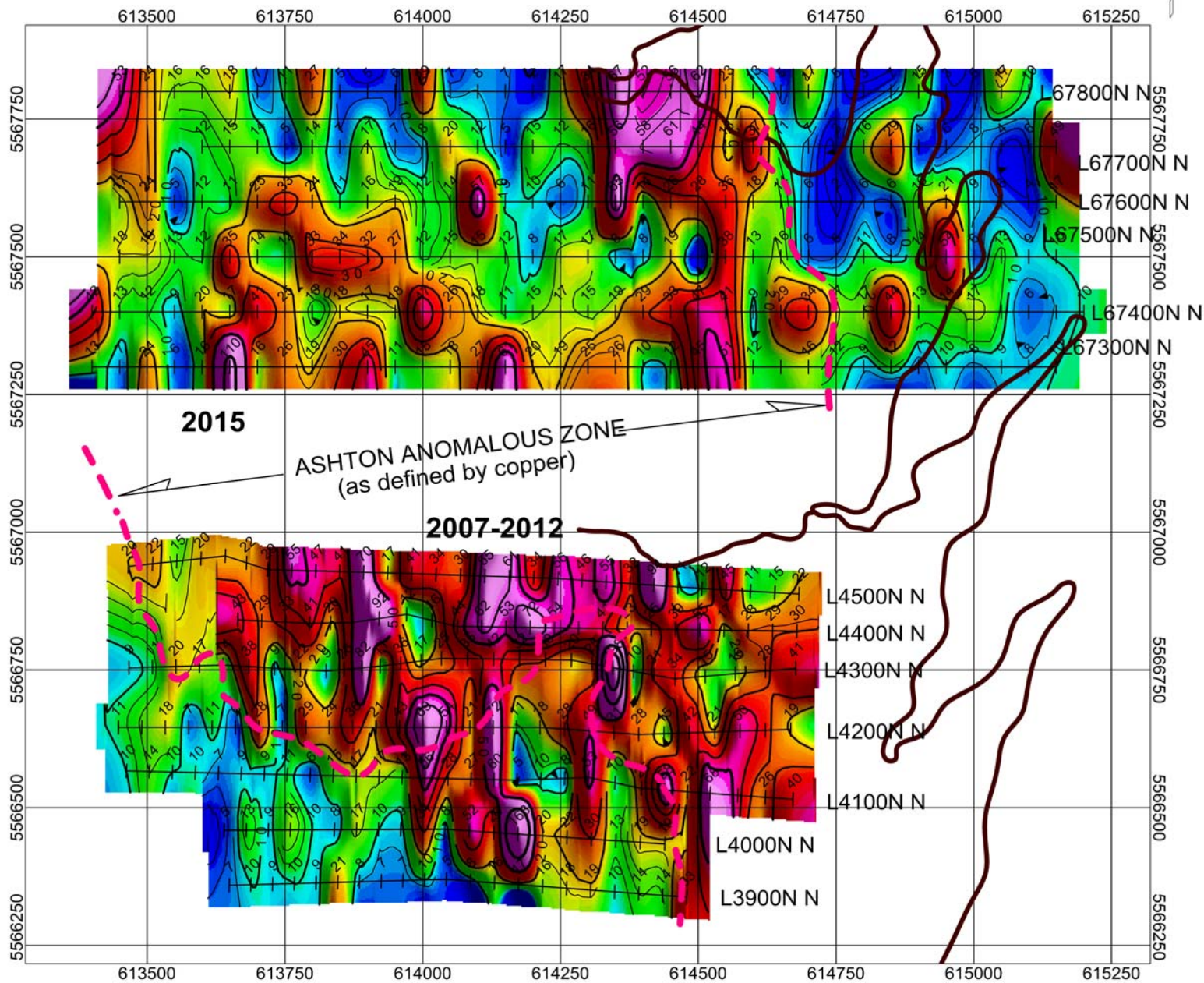


**SITKA HOLDINGS LIMITED  
ASHTON PROJECT**  
Nicoamen River, Lytton Area  
Kamloops Mining Division, B C  
***MMI SOIL SAMPLING***  
**Response Ratio - Histogram**  
**Line 67800 North**

Fig. H13B

- Ce
- Zn
- Pb
- Ni
- Co
- Cu



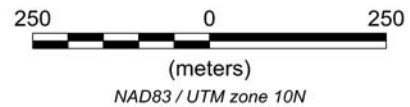
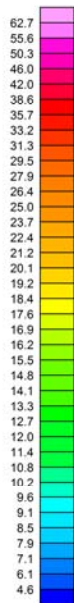


Date Samples Picked Up:  
2006, 2007, 2012, 2015

Soils Tested By:  
SGS Laboratories, Toronto, Ontario

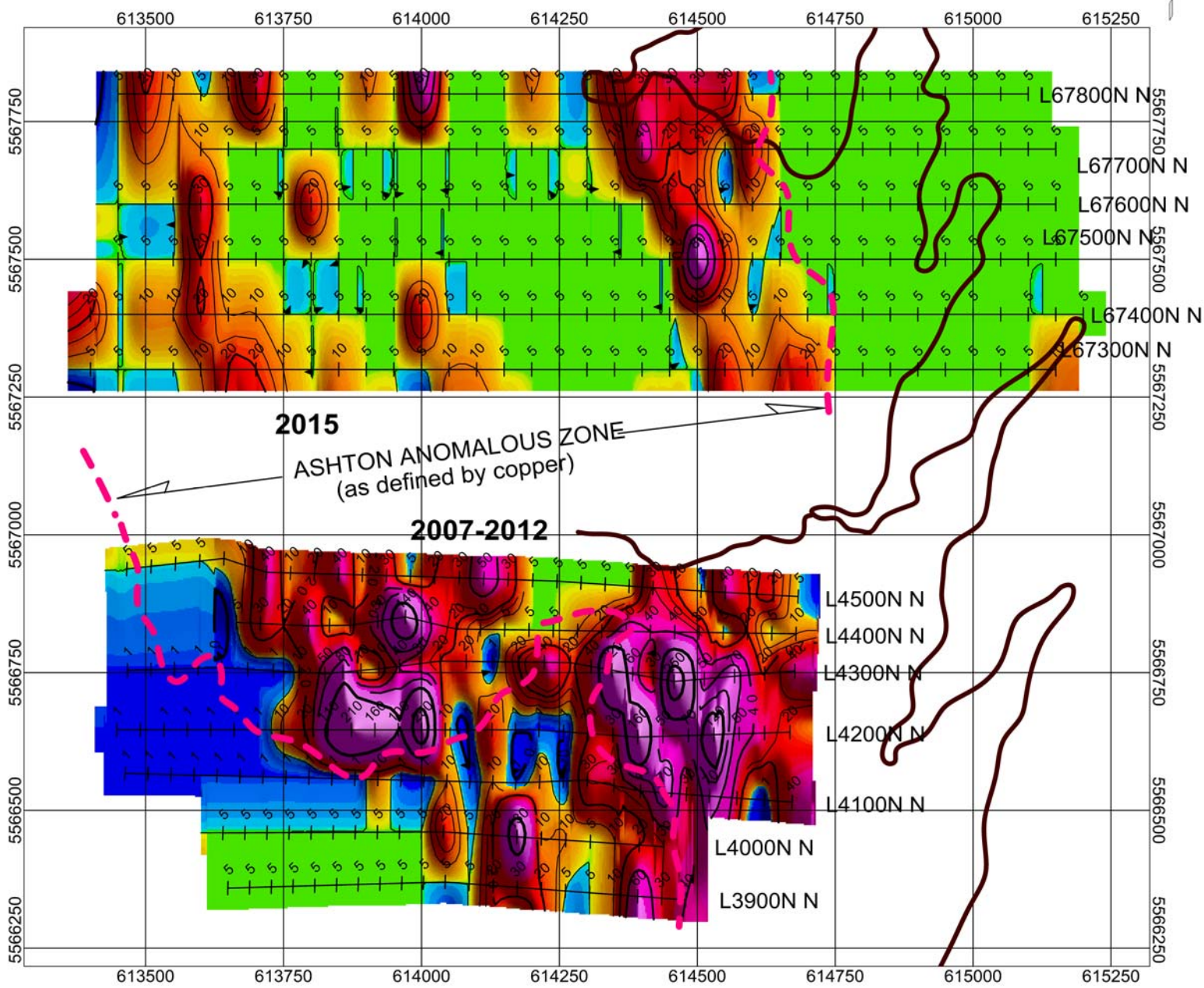
Units:  
parts per billion (ppb)

Survey Grid Base:  
UTM, NAD 83, Zone 10



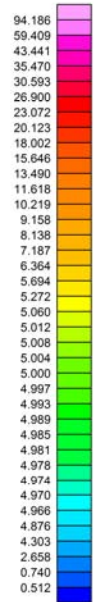
**Geotronics Consulting Inc**  
Geophysics done right

<b>SITKA HOLDINGS LIMITED</b>				
<b>ASHTON PROJECT</b>				
NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY CONTOUR PLAN				
<b>SILVER (ppb)</b>				
<b>DRAWN BY:</b>	<b>JOB NO.:</b>	<b>NTS:</b>	<b>DATE:</b>	<b>FIG NO.:</b>
CAM	15-01	9213W, 6W	JUL '15	GC-1



**2015**  
ASHTON ANOMALOUS ZONE  
(as defined by copper)

**2007-2012**

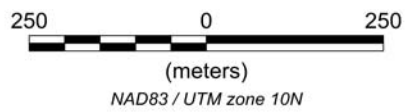


Date Samples Picked Up:  
2006, 2007, 2012, 2015

Soils Tested By:  
SGS Laboratories, Toronto, Ontario

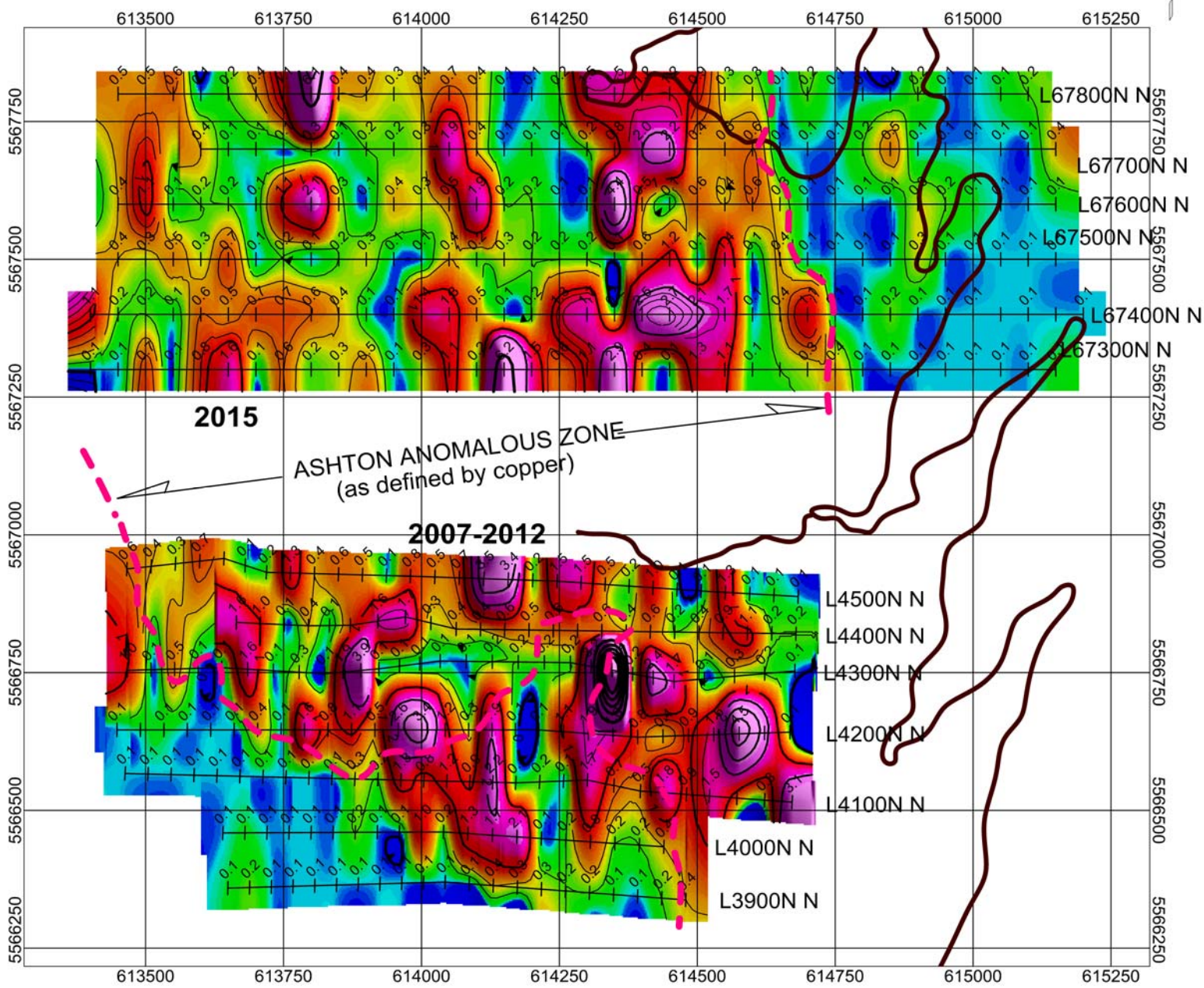
Units:  
parts per billion (ppb)

Survey Grid Base:  
UTM, NAD 83, Zone 10



<b>SITKA HOLDINGS LIMITED</b>				
<b>ASHTON PROJECT</b>				
NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY CONTOUR PLAN				
<b>ARSENIC (ppb)</b>				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	15-01	9213W, 6W	JUL '15	GC-2

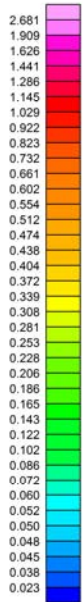




**2015**

ASHTON ANOMALOUS ZONE  
(as defined by copper)

**2007-2012**

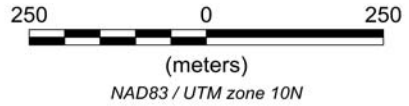


Date Samples Picked Up:  
2006, 2007, 2012, 2015

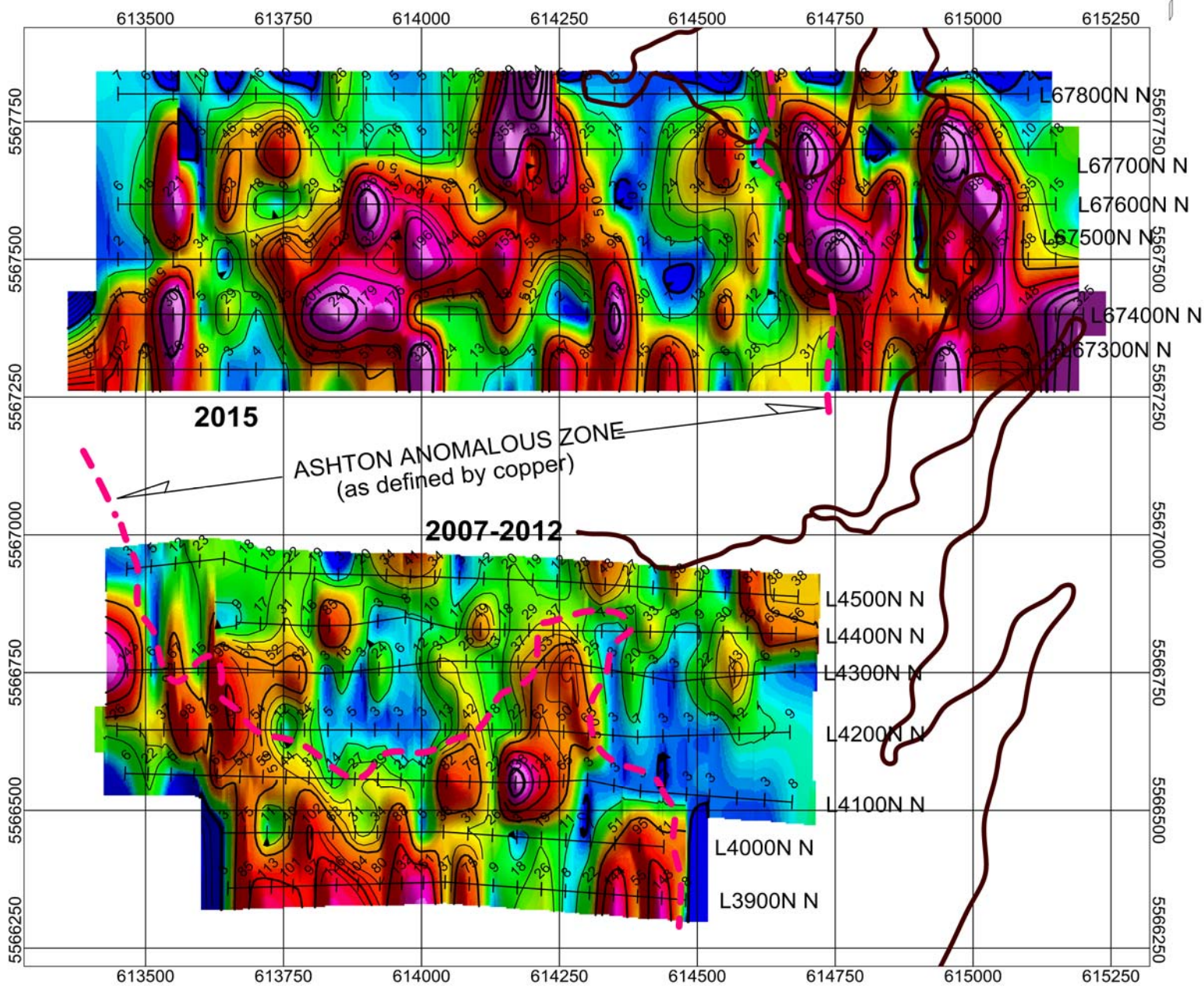
Soils Tested By:  
SGS Laboratories, Toronto, Ontario

Units:  
parts per billion (ppb)

Survey Grid Base:  
UTM, NAD 83, Zone 10



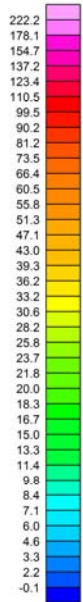
<b>SITKA HOLDINGS LIMITED</b>				
<b>ASHTON PROJECT</b>				
NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY CONTOUR PLAN				
<b>GOLD (ppb)</b>				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	15-01	9213W, 6W	JUL '15	GC-3



**2015**

ASHTON ANOMALOUS ZONE  
(as defined by copper)

**2007-2012**

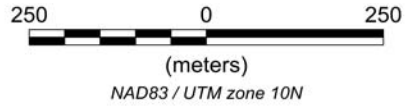


Date Samples Picked Up:  
2006, 2007, 2012, 2015

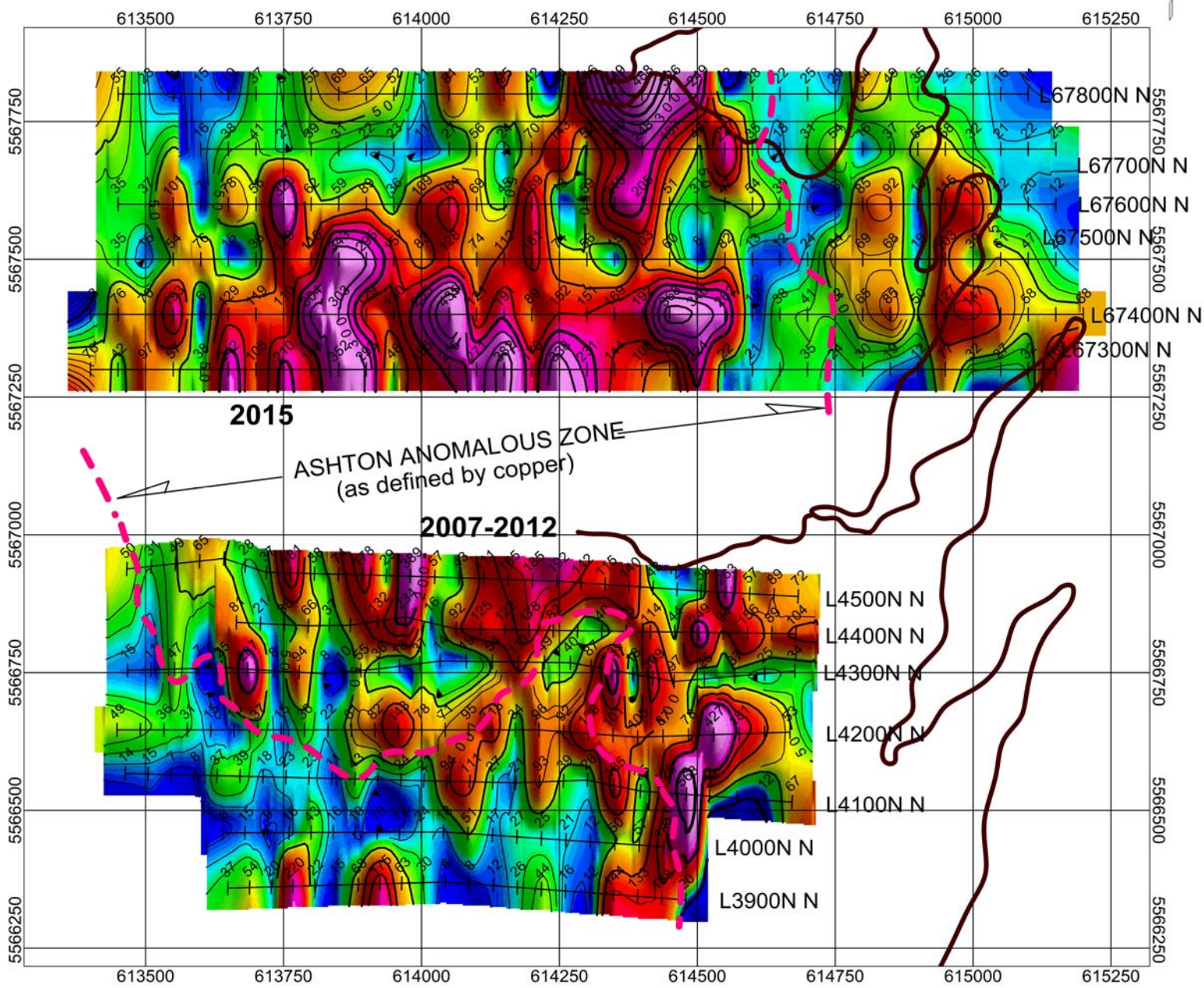
Soils Tested By:  
SGS Laboratories, Toronto, Ontario

Units:  
parts per billion (ppb)

Survey Grid Base:  
UTM, NAD 83, Zone 10



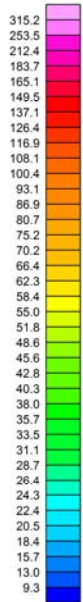
<b>SITKA HOLDINGS LIMITED</b>				
<b>ASHTON PROJECT</b>				
NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY CONTOUR PLAN				
<b>CERIUM (ppb)</b>				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	15-01	9213W, 6W	JUL '15	GC-4



**2015**

ASHTON ANOMALOUS ZONE  
(as defined by copper)

**2007-2012**

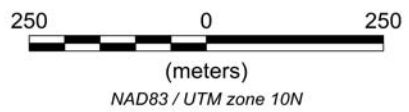


Date Samples Picked Up:  
2006, 2007, 2012, 2015

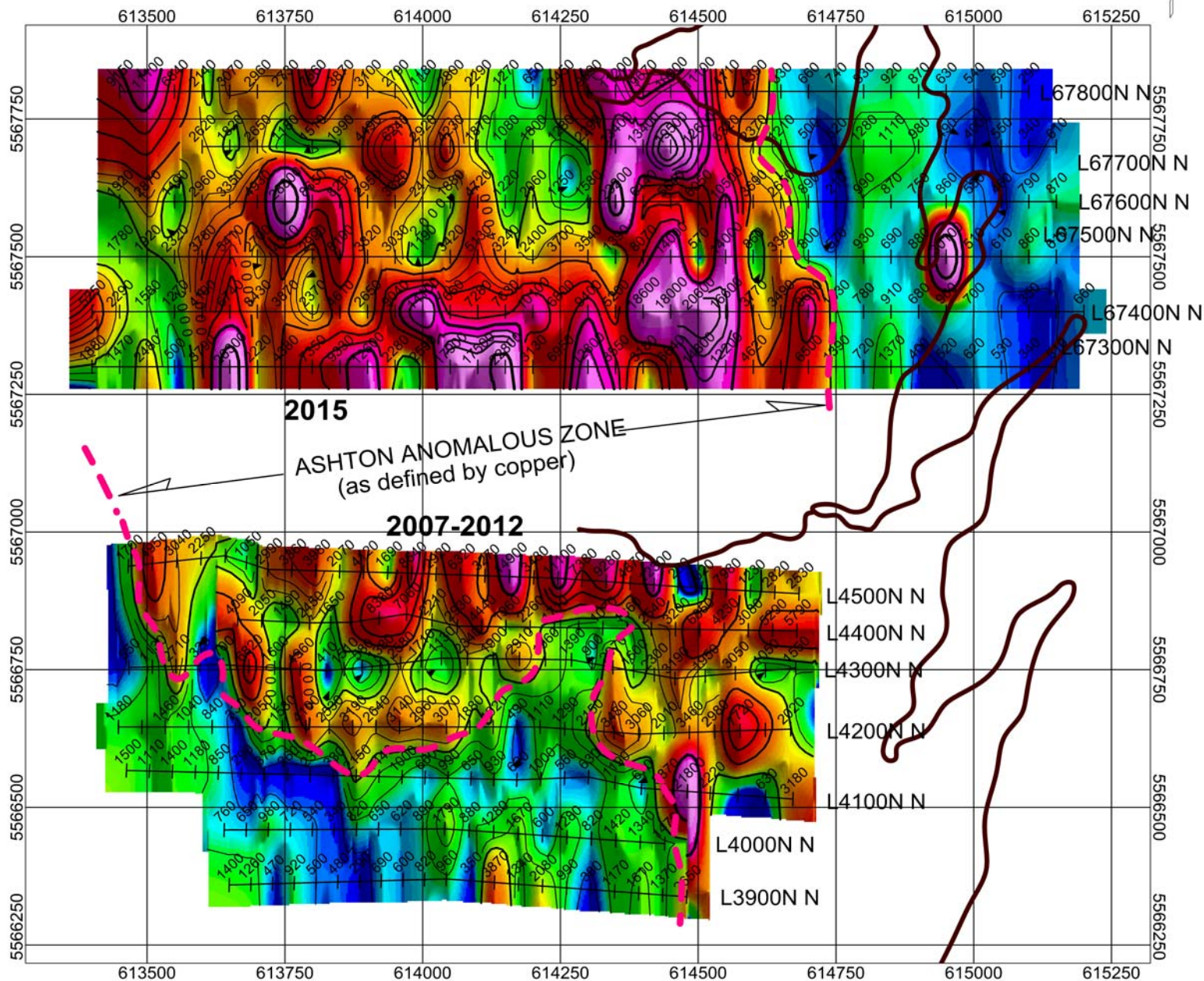
Soils Tested By:  
SGS Laboratories, Toronto, Ontario

Units:  
parts per billion (ppb)

Survey Grid Base:  
UTM, NAD 83, Zone 10



<b>SITKA HOLDINGS LIMITED</b>				
<b>ASHTON PROJECT</b>				
NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY CONTOUR PLAN				
<b>COBALT (ppb)</b>				
<b>DRAWN BY:</b>	<b>JOB NO.:</b>	<b>NTS:</b>	<b>DATE:</b>	<b>FIG NO.:</b>
CAM	15-01	9213W, 6W	JUL '15	GC-5



**2015**

ASHTON ANOMALOUS ZONE  
(as defined by copper)

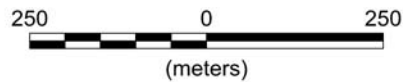
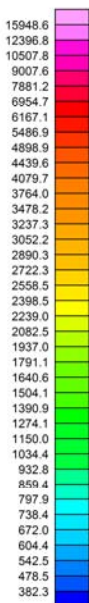
**2007-2012**

Date Samples Picked Up:  
2006, 2007, 2012, 2015

Soils Tested By:  
SGS Laboratories, Toronto, Ontario

Units:  
parts per billion (ppb)

Survey Grid Base:  
UTM, NAD 83, Zone 10



NAD83 / UTM zone 10N

**SITKA HOLDINGS LIMITED**

**ASHTON PROJECT**

NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC

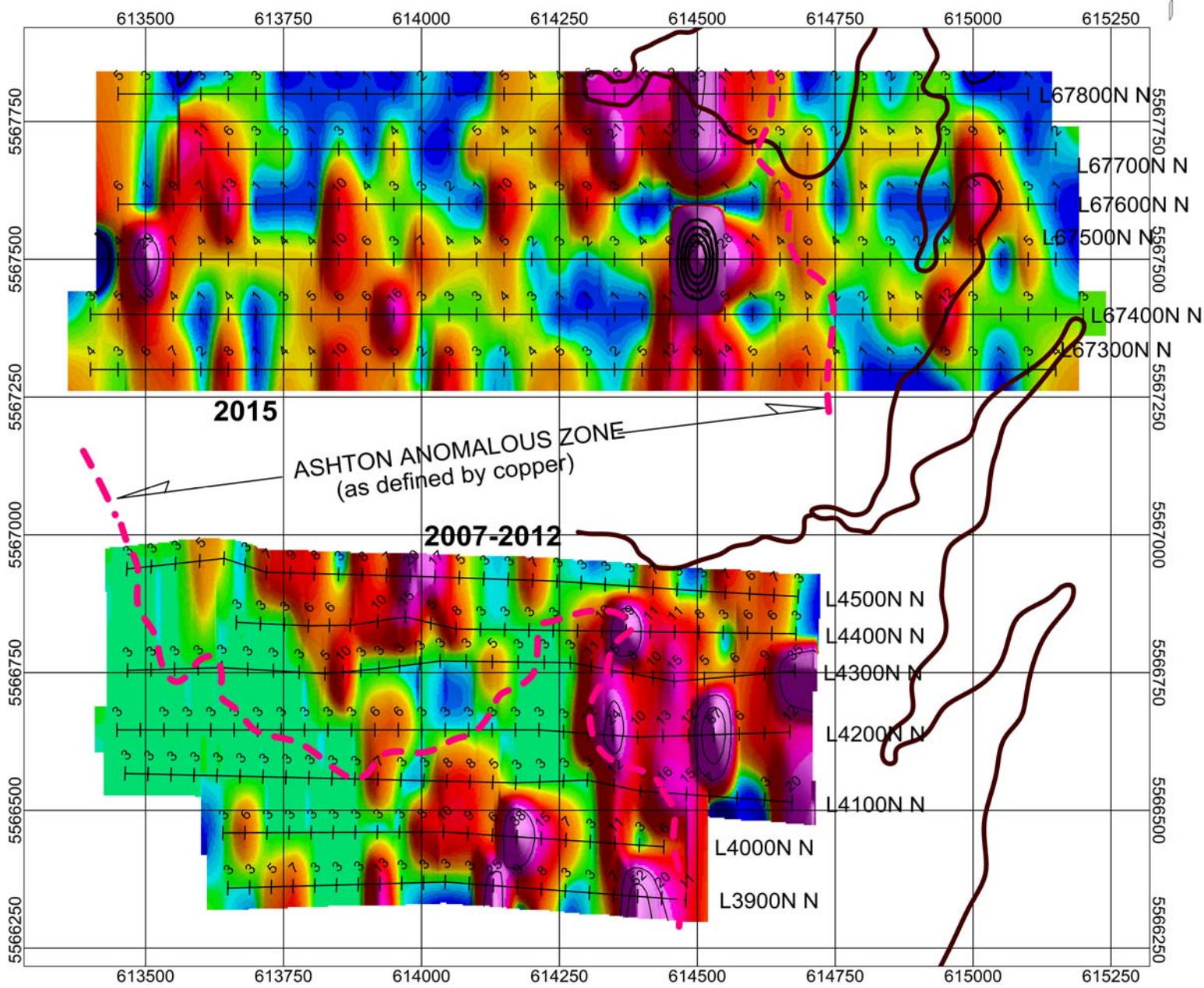
MMI SOIL GEOCHEMISTRY SURVEY  
CONTOUR PLAN

**COPPER (ppb)**

DRAWN BY: CAM	JOB NO.: 15-01	NTS: 9213W, 6W	DATE: JUL '15	FIG NO.: GC-6
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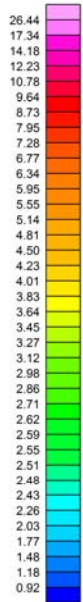
**Geotronics Consulting Inc**  
Geophysics done right



**2015**

ASHTON ANOMALOUS ZONE  
(as defined by copper)

**2007-2012**



Date Samples Picked Up:  
2006, 2007, 2012, 2015

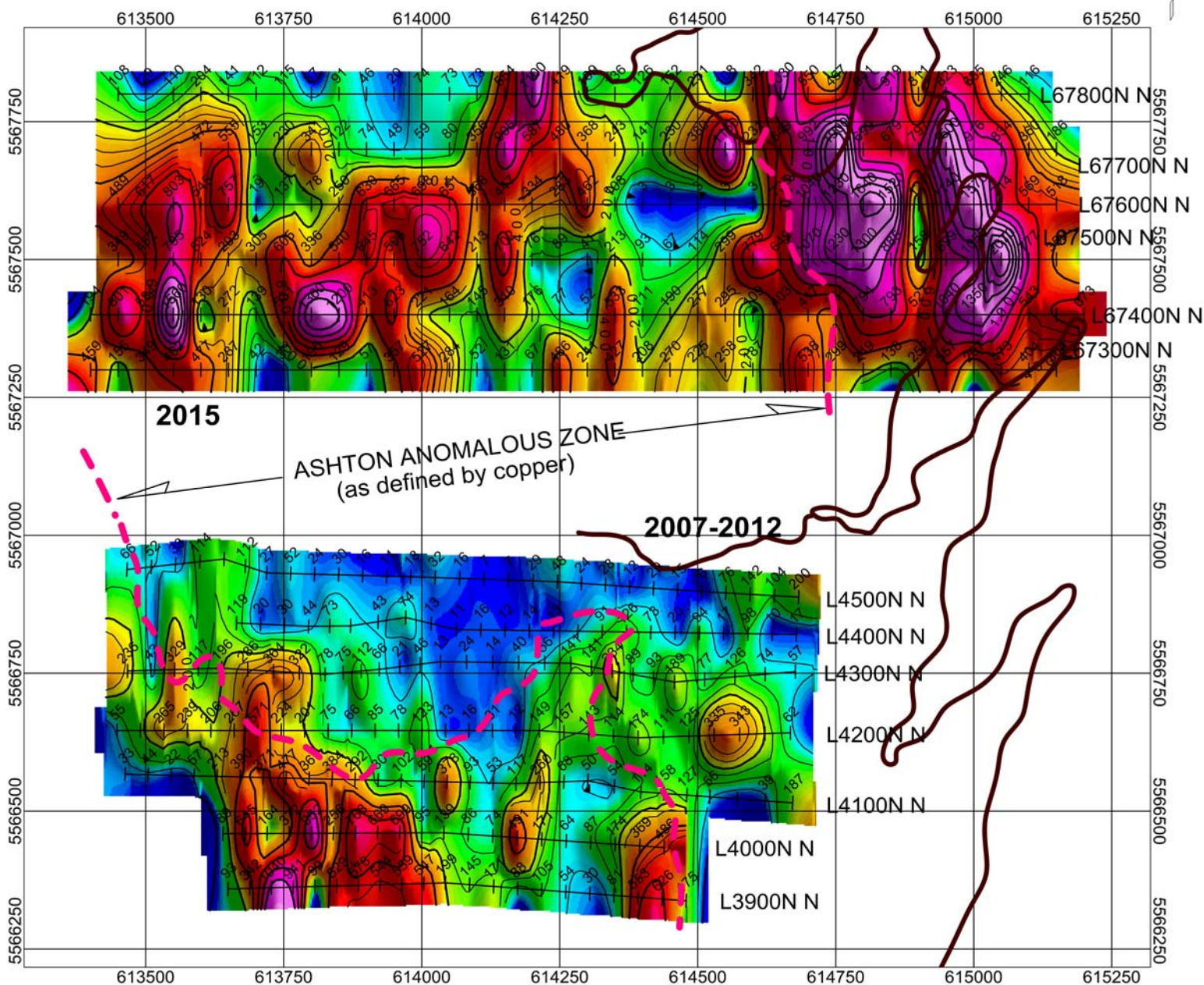
Soils Tested By:  
SGS Laboratories, Toronto, Ontario

Units:  
parts per billion (ppb)

Survey Grid Base:  
UTM, NAD 83, Zone 10



<b>SITKA HOLDINGS LIMITED</b>				
<b>ASHTON PROJECT</b>				
NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY CONTOUR PLAN				
<b>MOLYBDENUM (ppb)</b>				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	15-01	92I3W, 6W	JUL '15	GC-7



**2015**

ASHTON ANOMALOUS ZONE  
(as defined by copper)

**2007-2012**

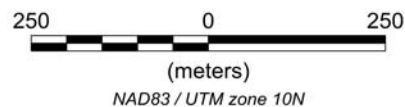


Date Samples Picked Up:  
2006, 2007, 2012, 2015

Soils Tested By:  
SGS Laboratories, Toronto, Ontario

Units:  
parts per billion (ppb)

Survey Grid Base:  
UTM, NAD 83, Zone 10



**SITKA HOLDINGS LIMITED**

**ASHTON PROJECT**

NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC

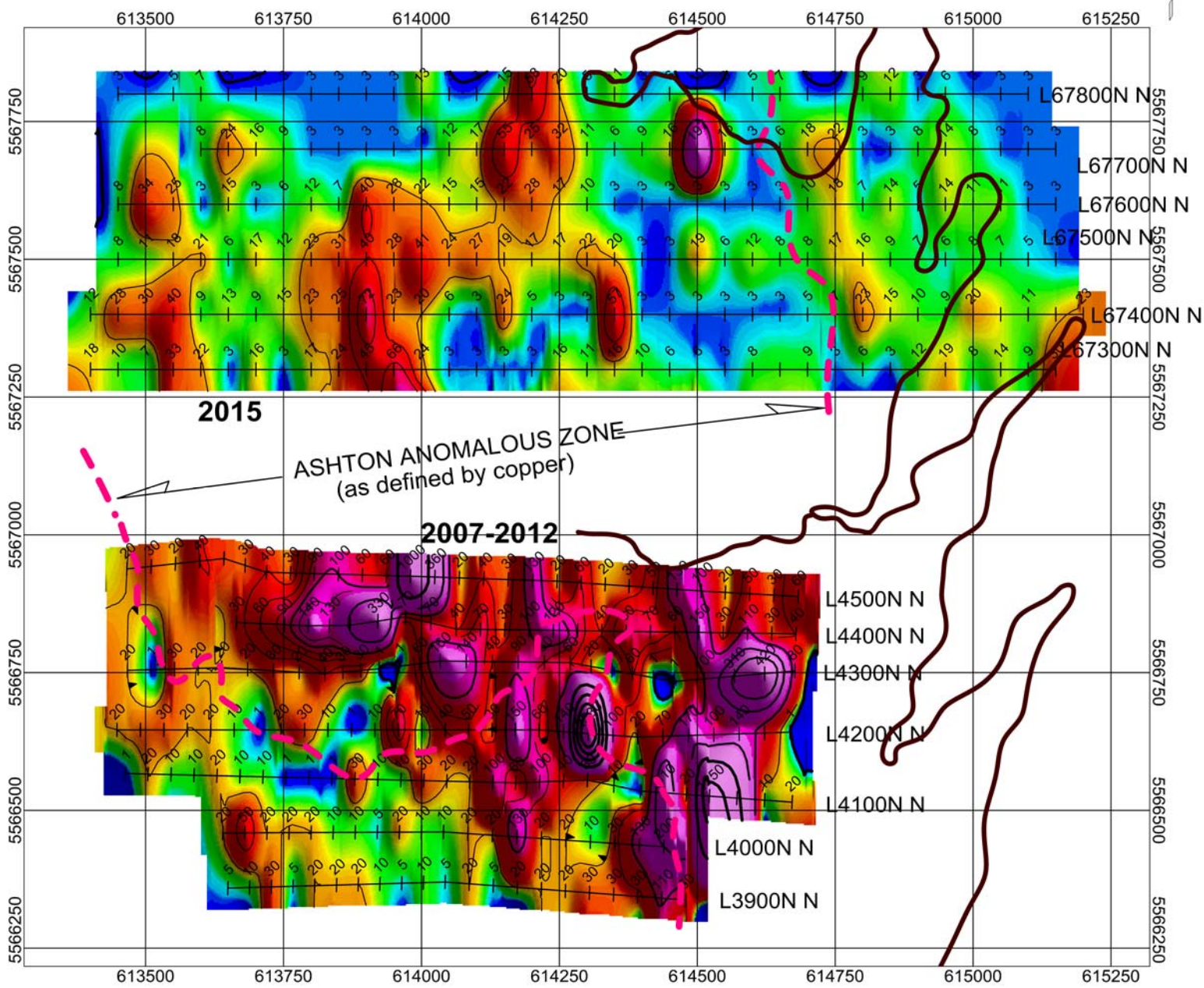
MMI SOIL GEOCHEMISTRY SURVEY  
CONTOUR PLAN

**NICKEL (ppb)**

DRAWN BY: CAM	JOB NO.: 15-01	NTS: 9213W, 6W	DATE: JUL '15	FIG NO.: GC-8
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**Geotronics Consulting Inc**  
Geophysics done right



**2015**

ASHTON ANOMALOUS ZONE  
(as defined by copper)

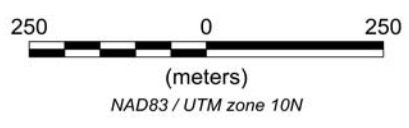
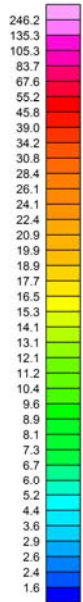
**2007-2012**

Date Samples Picked Up:  
2006, 2007, 2012, 2015

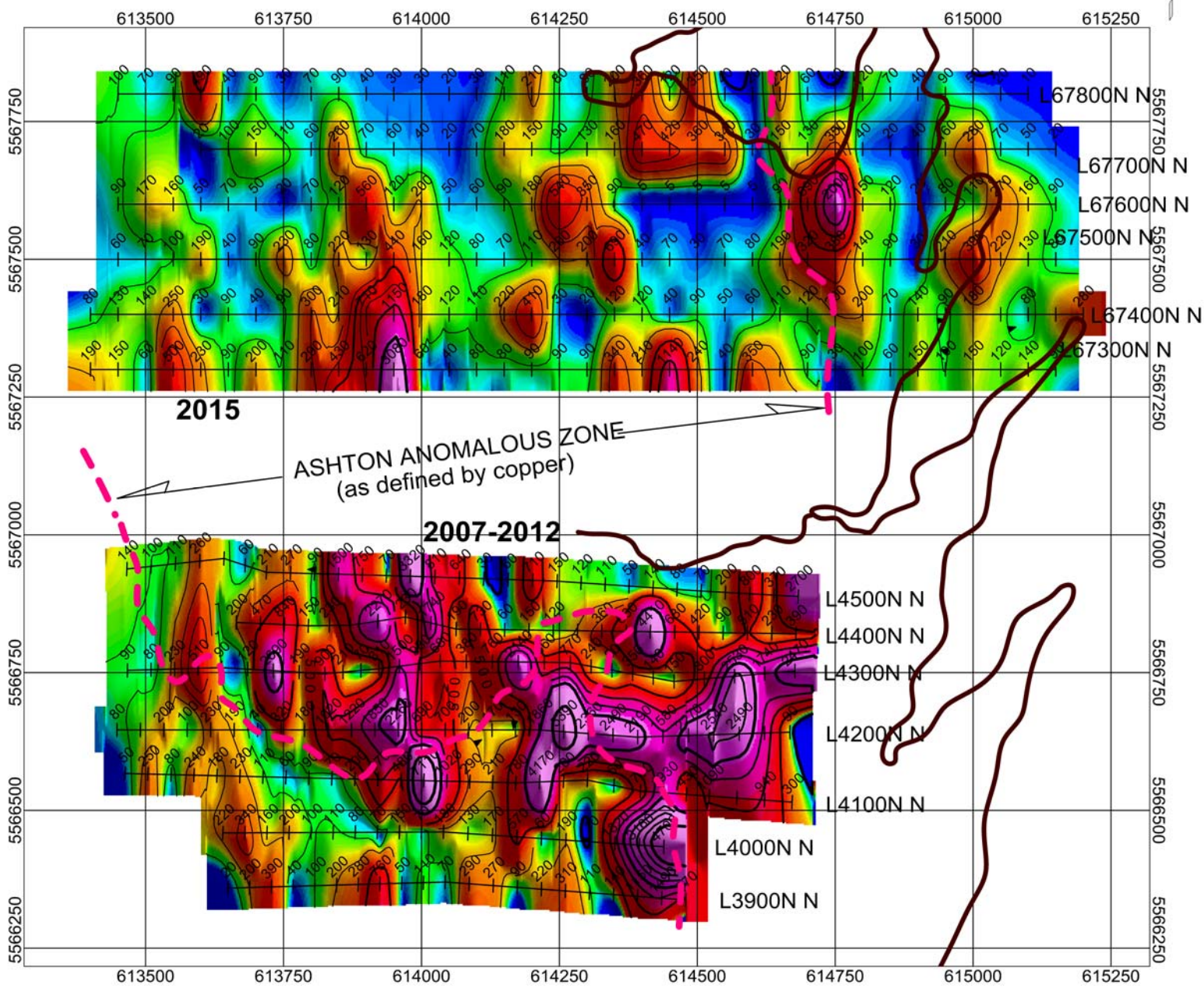
Soils Tested By:  
SGS Laboratories, Toronto, Ontario

Units:  
parts per billion (ppb)

Survey Grid Base:  
UTM, NAD 83, Zone 10



<b>SITKA HOLDINGS LIMITED</b>				
<b>ASHTON PROJECT</b>				
NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY CONTOUR PLAN				
<b>LEAD (ppb)</b>				
<b>DRAWN BY:</b>	<b>JOB NO.:</b>	<b>NTS:</b>	<b>DATE:</b>	<b>FIG NO.:</b>
CAM	15-01	9213W, 6W	JUL '15	GC-9

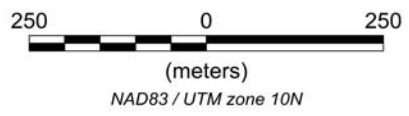


Date Samples Picked Up:  
2006, 2007, 2012, 2015

Soils Tested By:  
SGS Laboratories, Toronto, Ontario

Units:  
parts per billion (ppb)

Survey Grid Base:  
UTM, NAD 83, Zone 10



<b>SITKA HOLDINGS LIMITED</b>				
<b>ASHTON PROJECT</b>				
NICOAMEN RIVER, LYTTON AREA, KAMLOOPS MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY CONTOUR PLAN				
<b>ZINC (ppb)</b>				
<b>DRAWN BY:</b>	<b>JOB NO.:</b>	<b>NTS:</b>	<b>DATE:</b>	<b>FIG NO.:</b>
CAM	15-01	92I3W, 6W	JUL '15	GC-10





**Certificate of Analysis**  
**Work Order : VC150762**  
**[Report File No.: 0000011622]**

**Date:** June 30, 2015

**To: DAVID MARK**  
**GEOTRONICS CONSULTING INC.**  
6204-125th ST  
SURREY BC V3X 2E1

**P.O. No.:** ASHTON COPPER 208 MMI Samples 1/3  
**Project No.:** -  
**Samples:** 84  
**Received:** Apr 13, 2015  
**Pages:** Page 1 to 22  
(Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
84	G_LOG02	Pre-preparation processing, sorting, logging, boxing
84	G_WGH79	Weighing of samples and reporting of weights
84	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

**Storage: Pulp & Reject**

PULP STORAGE : DISCARD

Certified By :

Cam Chiang  
Assistant Operations Manager

**SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>**

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	WtKg G_WGH79 0.01 kg	Ag GE_MMI_M 0.5 ppb	Al GE_MMI_M 1 ppm	As GE_MMI_M 10 ppb	Au GE_MMI_M 0.1 ppb	Ba GE_MMI_M 10 ppb	Bi GE_MMI_M 0.5 ppb	Ca GE_MMI_M 2 ppm
L-667300N 13400E/AC060 67300N 613400	0.825	13.3	20	<10	<0.1	1310	<0.5	599
L-667300N 13450E/AC059 67300N 613450	0.900	7.2	28	<10	<0.1	1210	<0.5	494
L-667300N 13500E/AC058 67300N 613500	0.835	23.5	20	<10	0.7	1200	<0.5	675
L-667300N 13550E/AC057 67300N 613550	0.660	5.7	42	<10	<0.1	1280	<0.5	509
L-667300N 13600E/AC056 67300N 613600	0.710	15.9	27	10	0.8	1340	<0.5	869
L-667300N 13650E/AC055 67300N 613650	1.005	110	10	20	1.6	190	<0.5	784
L-667300N 13700E/AC054 67300N 613700	0.845	15.7	29	20	0.1	160	<0.5	532
L-667300N 13750E/AC053 67300N 613750	0.725	25.8	20	10	0.6	230	<0.5	531
L-667300N 13800E/AC052 67300N 613800	0.645	19.4	26	<10	0.2	1180	<0.5	715
L-667300N 13850E/AC051 67300N 613850	0.740	29.5	14	10	0.3	1490	<0.5	804
L-667300N 13900E/AC050 67300N 613900	0.905	44.7	29	<10	0.5	2090	<0.5	769
L-667300N 13950E/AC049 67300N 613950	0.520	10.6	46	<10	<0.1	1410	<0.5	592
L-667300N 14000E/AC048 67300N 614000	0.655	15.0	31	<10	0.3	2520	<0.5	840
L-667300N 14050E/AC047 67300N 614050	0.675	17.7	15	10	1.1	1040	<0.5	1140
L-667300N 14100E/AC046 67300N 614100	0.855	27.2	17	10	0.2	940	<0.5	767
L-667300N 14150E/AC045 67300N 614150	0.795	61.3	14	<10	6.2	780	<0.5	1070
L-667300N 14200E/AC044 67300N 614200	0.860	19.9	11	<10	1.5	250	<0.5	683
L-667300N 14250E/AC043 67300N 614250	0.735	19.1	16	<10	0.6	1970	<0.5	868
L-667300N 14300E/AC031 67300N 614300	0.865	25.3	19	<10	1.1	2340	<0.5	815
L-667300N 14350E/AC032 67300N 614350	0.730	26.0	42	<10	2.9	1860	<0.5	848
L-667300N 14400E/AC033 67300N 614400	0.740	9.9	19	<10	0.4	1680	<0.5	733
L-667300N 14450E/AC034 67300N 614450	0.795	12.3	44	<10	0.1	760	<0.5	552
L-667300N 14500E/AC035 67300N 614500	0.890	45.2	19	<10	1.3	810	<0.5	865
L-667300N 14550E/AC036 67300N 614550	0.640	50.9	9	20	1.1	520	<0.5	1120
L-667300N 14600E/AC002 67300N 614600	0.750	12.0	25	10	0.1	490	<0.5	762
L-667300N 14700E/AC003 67300N 614700	0.610	16.4	28	20	0.3	350	<0.5	852
L-667300N 14750E/AC004 67300N 614750	0.765	12.0	12	<10	0.4	460	<0.5	958
L-667300N 14800E/AC005 67300N 614800	0.585	8.5	25	<10	<0.1	2370	<0.5	1050
L-667300N 14850E/AC006 67300N 614850	0.760	12.0	18	<10	<0.1	1180	<0.5	1000
L-667300N 14900E/AC007 67300N 614900	0.660	7.1	24	<10	<0.1	1390	<0.5	739
L-667300N 14950E/AC008 67300N 614950	0.740	9.9	24	<10	<0.1	1990	<0.5	817
L-667300N 15000E/AC009 67300N 615000	0.875	7.5	17	<10	<0.1	2100	<0.5	775
AC001 L7300 4600E	0.665	28.9	17	<10	1.2	970	<0.5	909
AC010 67300N 605050E	0.760	8.9	17	<10	<0.1	1580	<0.5	922
AC011 67300N 605100E	0.745	8.3	22	<10	<0.1	770	<0.5	775
AC013 67300N 605150E	0.810	10.0	28	10	0.1	2420	<0.5	649
AC015 67300N 605050E	0.660	6.7	16	<10	<0.1	1280	<0.5	707
L-667400N 13400E/AC061 67400N 613400	0.705	42.2	19	20	1.1	550	<0.5	918
L-667400N 13450E/AC062 67400N 613450	0.770	13.2	21	<10	0.2	1400	<0.5	693
L-667400N 13500E/AC063 67400N 613500	0.605	12.4	15	10	0.2	2060	<0.5	870

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Element Method Det.Lim. Units	WtKg G_WGH79 0.01 kg	Ag GE_MMI_M 0.5 ppb	Al GE_MMI_M 1 ppm	As GE_MMI_M 10 ppb	Au GE_MMI_M 0.1 ppb	Ba GE_MMI_M 10 ppb	Bi GE_MMI_M 0.5 ppb	Ca GE_MMI_M 2 ppm
L-667400N 13550E/AC064 67400N 613550	0.715	8.6	23	10	0.1	1510	<0.5	712
L-667400N 13600E/AC065 67400N 613600	0.720	19.7	11	20	0.6	520	<0.5	941
L-667400N 13650E/AC066 67400N 613650	0.740	16.5	16	10	0.5	920	<0.5	866
L-667400N 13700E/AC067 67400N 613700	0.950	40.6	9	10	0.7	570	<0.5	674
L-667400N 13750E/AC068 67400N 613750	0.540	25.2	15	<10	0.7	1480	<0.5	837
L-667400N 13800E/AC069 67400N 613800	0.675	12.5	26	<10	0.6	1700	<0.5	842
L-667400N 13850E/AC070 67400N 613850	0.775	18.4	23	<10	0.4	1710	<0.5	848
L-667400N 13900E/AC071 67400N 613900	0.660	17.2	36	<10	0.1	2700	<0.5	756
L-667400N 13950E/AC072 67400N 613950	0.665	17.5	34	<10	<0.1	1440	<0.5	841
L-667400N 14000E/AC073 67400N 614000	0.670	46.6	18	20	1.4	700	<0.5	856
L-667400N 14050E/AC074 67400N 614050	0.860	25.8	15	<10	1.3	1000	<0.5	1030
L-667400N 14100E/AC075 67400N 614100	0.775	18.4	22	<10	0.5	760	<0.5	939
L-667400N 14150E/AC076 67400N 614150	0.640	10.9	17	<10	<0.1	2880	<0.5	1040
L-667400N 14200E/AC077 67400N 614200	0.870	15.3	21	<10	0.2	1200	<0.5	832
L-667400N 14250E/AC078 67400N 614250	1.010	17.0	10	<10	1.3	290	<0.5	659
L-667400N 14300E/AC030 67400N 614300	0.830	15.3	6	<10	1.7	190	<0.5	554
L-667400N 14350E/AC029 67400N 614350	0.645	18.7	44	<10	0.2	3620	<0.5	1010
L-667400N 14400E/AC028 67400N 614400	0.825	28.5	13	<10	2.5	1160	<0.5	1070
L-667400N 14450E/AC027 67400N 614450	0.760	33.3	11	<10	2.7	760	<0.5	1130
L-667400N 14500E/AC026 67400N 614500	0.800	47.3	16	10	2.1	590	<0.5	1080
L-667400N 14550E/AC025 67400N 614550	0.765	40.9	10	10	1.7	800	<0.5	1070
L-667400N 14600E/AC024 67400N 614600	0.785	9.3	23	<10	<0.1	230	<0.5	935
L-667400N 14650E/AC023 67400N 614650	0.795	28.7	14	10	0.4	460	<0.5	1040
L-667400N 14700E/AC022 67400N 614700	0.895	33.9	29	<10	1.1	370	<0.5	913
L-667400N 14750E/AC021 67400N 614750	0.640	17.1	21	<10	<0.1	1050	<0.5	883
L-667400N 14800E/AC020 67400N 614800	0.680	16.6	26	<10	<0.1	960	<0.5	898
L-667400N 14850E/AC019 67400N 614850	0.670	43.8	16	<10	0.2	1400	<0.5	1080
L-667400N 14900E/AC018 67400N 614900	0.650	13.2	17	<10	<0.1	1220	<0.5	785
L-667400N 14950E/AC017 67400N 614950	0.730	14.2	9	<10	<0.1	1750	<0.5	1160
AC016 67400N 605000E	0.640	16.9	26	<10	<0.1	2780	<0.5	965
AC014 67400N 605100E	0.785	6.2	12	<10	<0.1	1640	<0.5	748
AC013 67400N 605200E	0.650	10.2	26	<10	<0.1	2080	<0.5	788
L-667500N 13450E/AC099 67500N 613450	0.535	17.8	7	<10	0.4	980	<0.5	936
L-667500N 13500E/AC098 67500N 613500	0.745	17.8	16	<10	0.3	940	<0.5	1060
L-667500N 13550E/AC097 67500N 613550	0.645	13.3	21	<10	0.5	1020	<0.5	875
L-667500N 13600E/AC096 67500N 613600	0.755	11.8	19	20	0.3	820	<0.5	1050
L-667500N 13650E/AC095 67500N 613650	0.730	34.9	8	<10	0.7	950	<0.5	1110
L-667500N 13700E/AC094 67500N 613700	0.915	14.0	14	<10	<0.1	1730	<0.5	833
L-667500N 13750E/AC093 67500N 613750	0.760	11.9	20	<10	0.2	890	<0.5	592
L-667500N 13800E/AC092 67500N 613800	0.875	32.9	20	<10	<0.1	1550	<0.5	713

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Element	WtKg	Ag	Al	As	Au	Ba	Bi	Ca
Method	G_WGH79	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.01	0.5	1	10	0.1	10	0.5	2
Units	kg	ppb	ppm	ppb	ppb	ppb	ppb	ppm
L-667500N 13850E/AC091 67500N 613850	0.765	33.8	31	<10	0.2	1380	<0.5	887
L-667500N 13900E/AC090 67500N 613900	0.775	32.0	20	<10	0.3	1620	<0.5	865
L-667500N 13950E/AC089 67500N 613950	0.690	26.9	25	<10	<0.1	1530	<0.5	854
L-667500N 14000E/AC088 67500N 614000	0.625	11.6	17	<10	<0.1	2310	<0.5	851

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Element Method Det.Lim. Units	Cd GE_MMI_M 1 ppb	Ce GE_MMI_M 2 ppb	Co GE_MMI_M 1 ppb	Cr GE_MMI_M 100 ppb	Cs GE_MMI_M 0.2 ppb	Cu GE_MMI_M 10 ppb	Dy GE_MMI_M 0.5 ppb	Er GE_MMI_M 0.2 ppb
L-667300N 13400E/AC060 67300N 613400	10	82	76	<100	<0.2	1880	30.9	15.4
L-667300N 13450E/AC059 67300N 613450	5	102	42	<100	<0.2	1470	27.1	14.0
L-667300N 13500E/AC058 67300N 613500	9	33	97	<100	0.2	2480	14.8	8.1
L-667300N 13550E/AC057 67300N 613550	13	176	57	<100	<0.2	500	42.8	22.1
L-667300N 13600E/AC056 67300N 613600	9	48	38	<100	<0.2	3790	65.6	37.5
L-667300N 13650E/AC055 67300N 613650	8	3	242	<100	<0.2	26300	2.2	1.1
L-667300N 13700E/AC054 67300N 613700	21	4	105	<100	<0.2	2220	2.4	1.3
L-667300N 13750E/AC053 67300N 613750	17	7	210	<100	<0.2	4380	3.6	2.2
L-667300N 13800E/AC052 67300N 613800	18	44	148	<100	<0.2	7350	18.2	10.7
L-667300N 13850E/AC051 67300N 613850	28	33	352	<100	0.3	9330	8.1	4.4
L-667300N 13900E/AC050 67300N 613900	13	51	293	<100	0.6	12600	21.4	13.0
L-667300N 13950E/AC049 67300N 613950	32	50	48	<100	0.5	2280	12.9	7.2
L-667300N 14000E/AC048 67300N 614000	7	329	155	<100	0.3	2590	89.2	55.2
L-667300N 14050E/AC047 67300N 614050	11	24	215	<100	0.3	17900	19.6	11.8
L-667300N 14100E/AC046 67300N 614100	6	13	271	<100	1.2	17500	6.2	3.7
L-667300N 14150E/AC045 67300N 614150	8	9	382	<100	1.8	22800	7.1	4.1
L-667300N 14200E/AC044 67300N 614200	7	5	170	<100	0.6	3130	6.4	4.1
L-667300N 14250E/AC043 67300N 614250	22	147	338	<100	0.4	6950	48.8	27.3
L-667300N 14300E/AC031 67300N 614300	9	80	231	<100	0.3	12800	52.7	31.8
L-667300N 14350E/AC032 67300N 614350	18	115	144	<100	0.3	8550	54.3	31.7
L-667300N 14400E/AC033 67300N 614400	5	45	108	<100	0.6	3180	11.9	6.7
L-667300N 14450E/AC034 67300N 614450	23	121	74	<100	0.4	6640	28.7	16.0
L-667300N 14500E/AC035 67300N 614500	11	41	224	<100	0.6	14800	22.6	12.6
L-667300N 14550E/AC036 67300N 614550	10	6	22	<100	0.4	12200	7.5	4.4
L-667300N 14600E/AC002 67300N 614600	9	28	21	<100	0.2	4620	19.0	10.3
L-667300N 14700E/AC003 67300N 614700	21	31	35	<100	0.5	6500	10.6	6.1
L-667300N 14750E/AC004 67300N 614750	4	7	24	<100	0.5	1390	4.0	3.0
L-667300N 14800E/AC005 67300N 614800	2	119	30	<100	2.8	720	50.0	27.7
L-667300N 14850E/AC006 67300N 614850	1	22	19	<100	1.3	1370	12.5	7.2
L-667300N 14900E/AC007 67300N 614900	3	50	12	<100	1.4	400	33.6	18.3
L-667300N 14950E/AC008 67300N 614950	4	308	77	<100	0.2	520	140	83.6
L-667300N 15000E/AC009 67300N 615000	3	76	32	<100	1.5	620	51.0	31.7
AC001 L7300 4600E	10	68	134	<100	0.5	12600	37.0	21.0
AC010 67300N 605050E	4	70	27	<100	0.5	530	62.1	35.3
AC011 67300N 605100E	5	87	32	<100	1.4	340	45.9	23.9
AC013 67300N 605150E	2	253	169	<100	<0.2	510	40.0	18.1
AC015 67300N 605050E	6	182	175	<100	1.0	610	24.6	12.2
L-667400N 13400E/AC061 67400N 613400	8	6	13	<100	<0.2	5250	13.6	9.4
L-667400N 13450E/AC062 67400N 613450	10	77	76	<100	<0.2	2290	63.3	34.5
L-667400N 13500E/AC063 67400N 613500	7	68	70	<100	<0.2	1580	66.2	38.7

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Element Method Det.Lim. Units	Cd GE_MMI_M 1 ppb	Ce GE_MMI_M 2 ppb	Co GE_MMI_M 1 ppb	Cr GE_MMI_M 100 ppb	Cs GE_MMI_M 0.2 ppb	Cu GE_MMI_M 10 ppb	Dy GE_MMI_M 0.5 ppb	Er GE_MMI_M 0.2 ppb
L-667400N 13550E/AC064 67400N 613550	18	307	193	<100	<0.2	1270	90.9	54.5
L-667400N 13600E/AC065 67400N 613600	11	5	6	<100	0.3	4190	3.2	2.1
L-667400N 13650E/AC066 67400N 613650	16	29	129	<100	<0.2	6740	13.7	8.3
L-667400N 13700E/AC067 67400N 613700	4	9	119	<100	1.1	3430	2.7	1.8
L-667400N 13750E/AC068 67400N 613750	13	45	110	<100	<0.2	3870	27.3	16.6
L-667400N 13800E/AC069 67400N 613800	19	201	304	<100	<0.2	2370	64.1	38.9
L-667400N 13850E/AC070 67400N 613850	18	240	303	<100	<0.2	4610	70.6	41.8
L-667400N 13900E/AC071 67400N 613900	17	179	129	<100	0.3	2650	39.6	24.3
L-667400N 13950E/AC072 67400N 613950	38	176	130	<100	<0.2	9040	33.1	19.2
L-667400N 14000E/AC073 67400N 614000	17	23	255	<100	<0.2	14100	11.2	7.1
L-667400N 14050E/AC074 67400N 614050	8	12	435	<100	0.3	7660	9.6	6.6
L-667400N 14100E/AC075 67400N 614100	6	18	121	<100	0.6	7280	10.3	6.5
L-667400N 14150E/AC076 67400N 614150	14	78	191	<100	0.3	7630	28.9	17.4
L-667400N 14200E/AC077 67400N 614200	15	22	89	<100	0.3	10100	13.0	8.7
L-667400N 14250E/AC078 67400N 614250	3	2	152	<100	1.0	6800	3.1	2.3
L-667400N 14300E/AC030 67400N 614300	1	<2	151	<100	1.2	9400	0.7	0.7
L-667400N 14350E/AC029 67400N 614350	7	218	169	<100	<0.2	5200	95.3	63.7
L-667400N 14400E/AC028 67400N 614400	3	30	192	<100	0.5	18600	28.4	17.5
L-667400N 14450E/AC027 67400N 614450	10	7	368	<100	0.6	18000	7.2	4.9
L-667400N 14500E/AC026 67400N 614500	14	13	340	<100	0.5	20600	6.4	4.0
L-667400N 14550E/AC025 67400N 614550	9	60	262	<100	1.2	16600	25.2	14.2
L-667400N 14600E/AC024 67400N 614600	4	12	10	<100	0.8	3770	5.8	3.6
L-667400N 14650E/AC023 67400N 614650	5	11	38	<100	0.2	3490	11.3	7.4
L-667400N 14700E/AC022 67400N 614700	5	39	41	<100	0.4	9660	18.5	10.5
L-667400N 14750E/AC021 67400N 614750	2	43	42	<100	0.7	1030	28.0	18.0
L-667400N 14800E/AC020 67400N 614800	4	121	65	<100	0.5	780	57.4	35.7
L-667400N 14850E/AC019 67400N 614850	2	74	85	<100	<0.2	910	54.6	35.4
L-667400N 14900E/AC018 67400N 614900	3	72	50	<100	1.1	680	47.2	28.0
L-667400N 14950E/AC017 67400N 614950	6	44	127	<100	<0.2	960	37.0	24.5
AC016 67400N 605000E	4	168	147	<100	0.2	700	125	85.4
AC014 67400N 605100E	4	148	58	<100	0.8	350	57.3	30.9
AC013 67400N 605200E	5	325	68	<100	0.7	660	88.7	51.1
L-667500N 13450E/AC099 67500N 613450	6	2	35	<100	<0.2	1780	0.8	0.6
L-667500N 13500E/AC098 67500N 613500	12	4	15	<100	<0.2	1920	7.0	4.9
L-667500N 13550E/AC097 67500N 613550	12	34	54	<100	<0.2	2320	30.9	19.0
L-667500N 13600E/AC096 67500N 613600	11	34	76	<100	0.3	3780	24.7	14.3
L-667500N 13650E/AC095 67500N 613650	5	4	15	<100	0.4	5410	3.7	2.2
L-667500N 13700E/AC094 67500N 613700	5	41	36	<100	<0.2	2700	37.2	20.9
L-667500N 13750E/AC093 67500N 613750	14	78	129	<100	<0.2	4310	32.0	17.6
L-667500N 13800E/AC092 67500N 613800	7	67	115	<100	<0.2	2990	30.5	16.9

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Element	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	2	1	100	0.2	10	0.5	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
L-667500N 13850E/AC091 67500N 613850	12	123	343	<100	<0.2	8100	41.6	26.3
L-667500N 13900E/AC090 67500N 613900	14	132	295	<100	<0.2	3820	46.9	26.3
L-667500N 13950E/AC089 67500N 613950	11	117	157	<100	<0.2	3030	45.3	26.4
L-667500N 14000E/AC088 67500N 614000	6	196	83	<100	0.3	1190	88.0	48.6

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Element Method Det.Lim. Units	Eu GE_MMI_M 0.2 ppb	Fe GE_MMI_M 1 ppm	Ga GE_MMI_M 0.5 ppb	Gd GE_MMI_M 0.5 ppb	Hg GE_MMI_M 1 ppb	In GE_MMI_M 0.1 ppb	K GE_MMI_M 0.5 ppm	La GE_MMI_M 1 ppb
L-667300N 13400E/AC060 67300N 613400	8.6	16	<0.5	40.6	<1	<0.1	68.4	37
L-667300N 13450E/AC059 67300N 613450	7.6	25	0.9	31.8	<1	<0.1	55.3	33
L-667300N 13500E/AC058 67300N 613500	4.1	15	1.1	19.4	<1	<0.1	35.4	13
L-667300N 13550E/AC057 67300N 613550	10.2	19	0.8	47.7	<1	<0.1	72.6	49
L-667300N 13600E/AC056 67300N 613600	14.2	12	<0.5	75.5	<1	<0.1	50.3	45
L-667300N 13650E/AC055 67300N 613650	0.5	9	<0.5	2.2	<1	<0.1	19.2	1
L-667300N 13700E/AC054 67300N 613700	0.8	10	0.9	3.1	<1	<0.1	52.2	2
L-667300N 13750E/AC053 67300N 613750	1.1	8	0.7	4.5	<1	<0.1	38.7	2
L-667300N 13800E/AC052 67300N 613800	5.0	16	0.5	24.8	<1	<0.1	35.9	19
L-667300N 13850E/AC051 67300N 613850	2.2	13	<0.5	9.2	<1	<0.1	28.2	8
L-667300N 13900E/AC050 67300N 613900	5.3	19	1.4	24.1	<1	<0.1	14.1	22
L-667300N 13950E/AC049 67300N 613950	3.1	23	0.9	14.4	<1	<0.1	130	17
L-667300N 14000E/AC048 67300N 614000	19.5	14	0.9	99.3	<1	<0.1	7.6	85
L-667300N 14050E/AC047 67300N 614050	4.5	11	<0.5	20.7	<1	<0.1	38.9	7
L-667300N 14100E/AC046 67300N 614100	1.9	11	<0.5	7.1	<1	<0.1	15.8	6
L-667300N 14150E/AC045 67300N 614150	1.9	10	0.5	7.2	<1	<0.1	11.5	2
L-667300N 14200E/AC044 67300N 614200	1.1	10	0.5	5.9	<1	<0.1	12.0	<1
L-667300N 14250E/AC043 67300N 614250	11.6	12	0.9	53.6	<1	<0.1	7.6	42
L-667300N 14300E/AC031 67300N 614300	11.7	14	0.5	57.3	<1	<0.1	9.9	37
L-667300N 14350E/AC032 67300N 614350	13.1	18	0.8	57.2	<1	<0.1	16.8	39
L-667300N 14400E/AC033 67300N 614400	3.4	16	<0.5	13.1	<1	<0.1	11.1	14
L-667300N 14450E/AC034 67300N 614450	7.9	26	0.8	34.8	<1	<0.1	120	42
L-667300N 14500E/AC035 67300N 614500	6.0	14	<0.5	26.7	<1	<0.1	29.3	20
L-667300N 14550E/AC036 67300N 614550	2.0	9	<0.5	9.1	1	<0.1	55.3	5
L-667300N 14600E/AC002 67300N 614600	5.4	17	0.6	24.8	<1	<0.1	167	22
L-667300N 14700E/AC003 67300N 614700	3.1	34	0.7	12.5	<1	<0.1	24.3	21
L-667300N 14750E/AC004 67300N 614750	1.1	6	<0.5	4.6	<1	<0.1	10.1	2
L-667300N 14800E/AC005 67300N 614800	14.5	10	<0.5	63.2	<1	<0.1	36.0	57
L-667300N 14850E/AC006 67300N 614850	4.2	8	<0.5	15.6	<1	<0.1	38.1	10
L-667300N 14900E/AC007 67300N 614900	9.2	12	<0.5	43.3	<1	<0.1	18.9	40
L-667300N 14950E/AC008 67300N 614950	31.1	10	<0.5	161	<1	<0.1	19.0	109
L-667300N 15000E/AC009 67300N 615000	12.4	9	<0.5	59.8	<1	<0.1	78.0	41
AC001 L7300 4600E	9.5	12	<0.5	48.9	<1	<0.1	8.3	39
AC010 67300N 605050E	14.4	9	<0.5	74.4	<1	<0.1	51.4	38
AC011 67300N 605100E	12.7	9	<0.5	56.2	<1	<0.1	9.3	50
AC013 67300N 605150E	8.5	19	<0.5	34.2	<1	<0.1	41.1	61
AC015 67300N 605050E	6.8	14	<0.5	31.1	<1	<0.1	43.9	45
L-667400N 13400E/AC061 67400N 613400	2.6	11	<0.5	13.4	<1	<0.1	42.6	4
L-667400N 13450E/AC062 67400N 613450	12.7	9	<0.5	71.7	<1	<0.1	188	38
L-667400N 13500E/AC063 67400N 613500	11.6	8	<0.5	70.9	<1	<0.1	125	21

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Element Method Det.Lim. Units	Eu GE_MMI_M 0.2 ppb	Fe GE_MMI_M 1 ppm	Ga GE_MMI_M 0.5 ppb	Gd GE_MMI_M 0.5 ppb	Hg GE_MMI_M 1 ppb	In GE_MMI_M 0.1 ppb	K GE_MMI_M 0.5 ppm	La GE_MMI_M 1 ppb
L-667400N 13550E/AC064 67400N 613550	18.3	10	0.8	100	<1	<0.1	23.6	68
L-667400N 13600E/AC065 67400N 613600	0.7	10	<0.5	3.5	<1	<0.1	53.0	2
L-667400N 13650E/AC066 67400N 613650	3.7	9	<0.5	18.5	<1	<0.1	30.8	10
L-667400N 13700E/AC067 67400N 613700	0.5	6	<0.5	2.5	1	<0.1	9.8	<1
L-667400N 13750E/AC068 67400N 613750	5.5	7	<0.5	31.9	<1	<0.1	64.9	12
L-667400N 13800E/AC069 67400N 613800	13.7	10	0.9	73.6	<1	<0.1	67.4	52
L-667400N 13850E/AC070 67400N 613850	14.3	10	0.8	78.6	<1	<0.1	34.6	53
L-667400N 13900E/AC071 67400N 613900	9.0	19	1.0	45.4	<1	<0.1	33.5	51
L-667400N 13950E/AC072 67400N 613950	9.0	17	0.7	41.5	<1	<0.1	47.7	41
L-667400N 14000E/AC073 67400N 614000	2.6	14	<0.5	13.2	<1	<0.1	34.7	7
L-667400N 14050E/AC074 67400N 614050	2.0	10	0.6	10.0	<1	<0.1	14.8	2
L-667400N 14100E/AC075 67400N 614100	3.2	13	<0.5	12.8	<1	<0.1	30.9	7
L-667400N 14150E/AC076 67400N 614150	7.4	14	0.5	35.2	<1	<0.1	23.3	29
L-667400N 14200E/AC077 67400N 614200	3.7	15	0.6	16.9	<1	<0.1	44.5	11
L-667400N 14250E/AC078 67400N 614250	0.6	11	0.7	3.1	<1	<0.1	5.5	<1
L-667400N 14300E/AC030 67400N 614300	<0.2	6	0.5	0.8	<1	<0.1	5.8	<1
L-667400N 14350E/AC029 67400N 614350	20.3	18	0.7	101	<1	<0.1	9.1	84
L-667400N 14400E/AC028 67400N 614400	7.2	12	<0.5	31.9	<1	<0.1	4.5	15
L-667400N 14450E/AC027 67400N 614450	1.2	12	0.5	6.4	1	<0.1	14.2	<1
L-667400N 14500E/AC026 67400N 614500	1.4	12	<0.5	7.2	<1	<0.1	45.3	2
L-667400N 14550E/AC025 67400N 614550	6.8	9	<0.5	32.4	1	<0.1	7.2	18
L-667400N 14600E/AC024 67400N 614600	1.6	23	0.8	7.4	<1	<0.1	51.4	8
L-667400N 14650E/AC023 67400N 614650	2.7	9	<0.5	13.4	<1	<0.1	11.5	6
L-667400N 14700E/AC022 67400N 614700	5.4	18	0.6	24.3	<1	<0.1	51.7	25
L-667400N 14750E/AC021 67400N 614750	6.6	10	<0.5	37.0	<1	<0.1	46.4	22
L-667400N 14800E/AC020 67400N 614800	12.2	11	0.5	67.8	<1	<0.1	27.4	49
L-667400N 14850E/AC019 67400N 614850	10.6	11	<0.5	56.5	<1	<0.1	108	32
L-667400N 14900E/AC018 67400N 614900	12.2	9	<0.5	64.3	<1	<0.1	51.5	51
L-667400N 14950E/AC017 67400N 614950	5.8	7	<0.5	38.0	<1	<0.1	25.8	10
AC016 67400N 605000E	22.5	8	<0.5	126	<1	<0.1	11.0	59
AC014 67400N 605100E	13.6	8	<0.5	73.3	<1	<0.1	23.4	61
AC013 67400N 605200E	23.2	12	0.7	113	<1	<0.1	22.7	116
L-667500N 13450E/AC099 67500N 613450	0.2	6	<0.5	0.8	<1	<0.1	86.6	<1
L-667500N 13500E/AC098 67500N 613500	1.4	9	<0.5	7.6	<1	<0.1	59.3	2
L-667500N 13550E/AC097 67500N 613550	7.0	9	<0.5	38.9	<1	<0.1	94.8	21
L-667500N 13600E/AC096 67500N 613600	5.7	10	0.6	30.6	<1	<0.1	72.2	19
L-667500N 13650E/AC095 67500N 613650	0.8	7	<0.5	4.1	<1	<0.1	64.7	2
L-667500N 13700E/AC094 67500N 613700	9.7	13	<0.5	51.0	<1	<0.1	118	38
L-667500N 13750E/AC093 67500N 613750	8.4	14	0.7	43.4	<1	<0.1	107	40
L-667500N 13800E/AC092 67500N 613800	7.5	15	0.6	38.4	<1	<0.1	141	35

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Element	Eu	Fe	Ga	Gd	Hg	In	K	La
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.2	1	0.5	0.5	1	0.1	0.5	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
L-667500N 13850E/AC091 67500N 613850	9.7	17	0.8	47.5	<1	<0.1	98.3	39
L-667500N 13900E/AC090 67500N 613900	11.1	14	1.2	57.9	<1	<0.1	55.5	44
L-667500N 13950E/AC089 67500N 613950	10.7	15	0.7	52.6	<1	<0.1	98.5	49
L-667500N 14000E/AC088 67500N 614000	19.9	8	<0.5	105	<1	<0.1	25.5	91

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Element Method Det.Lim. Units	Li GE_MMI_M 1 ppb	Mg GE_MMI_M 0.5 ppm	Mn GE_MMI_M 100 ppb	Mo GE_MMI_M 2 ppb	Nb GE_MMI_M 0.5 ppb	Nd GE_MMI_M 1 ppb	Ni GE_MMI_M 5 ppb	P GE_MMI_M 0.1 ppm
L-667300N 13400E/AC060 67300N 613400	1	103	4000	4	<0.5	103	459	3.1
L-667300N 13450E/AC059 67300N 613450	<1	133	2300	3	<0.5	87	155	3.1
L-667300N 13500E/AC058 67300N 613500	1	145	3300	6	<0.5	44	349	1.7
L-667300N 13550E/AC057 67300N 613550	4	178	5000	7	<0.5	119	462	3.2
L-667300N 13600E/AC056 67300N 613600	6	263	2500	2	<0.5	140	477	1.7
L-667300N 13650E/AC055 67300N 613650	<1	75.5	2600	8	<0.5	4	287	1.1
L-667300N 13700E/AC054 67300N 613700	<1	72.3	2800	<2	<0.5	6	42	2.6
L-667300N 13750E/AC053 67300N 613750	<1	61.8	3800	4	<0.5	8	30	1.0
L-667300N 13800E/AC052 67300N 613800	<1	183	5400	4	<0.5	55	196	1.6
L-667300N 13850E/AC051 67300N 613850	<1	142	14800	10	<0.5	23	129	0.9
L-667300N 13900E/AC050 67300N 613900	<1	109	4500	6	<0.5	54	57	0.5
L-667300N 13950E/AC049 67300N 613950	<1	93.4	4600	5	<0.5	37	357	1.9
L-667300N 14000E/AC048 67300N 614000	1	253	6700	2	<0.5	223	527	0.6
L-667300N 14050E/AC047 67300N 614050	<1	224	7200	9	<0.5	25	284	<0.1
L-667300N 14100E/AC046 67300N 614100	<1	129	3300	3	<0.5	15	52	0.4
L-667300N 14150E/AC045 67300N 614150	<1	281	6500	2	<0.5	9	131	<0.1
L-667300N 14200E/AC044 67300N 614200	<1	102	10700	4	<0.5	2	67	<0.1
L-667300N 14250E/AC043 67300N 614250	<1	240	18100	5	<0.5	107	486	0.3
L-667300N 14300E/AC031 67300N 614300	<1	208	5900	3	<0.5	108	241	0.3
L-667300N 14350E/AC032 67300N 614350	<1	191	8300	2	<0.5	103	427	0.2
L-667300N 14400E/AC033 67300N 614400	1	204	4100	5	<0.5	31	208	0.7
L-667300N 14450E/AC034 67300N 614450	2	125	4500	12	<0.5	93	270	1.1
L-667300N 14500E/AC035 67300N 614500	1	184	4200	6	<0.5	55	225	0.2
L-667300N 14550E/AC036 67300N 614550	20	247	1000	14	<0.5	18	258	0.4
L-667300N 14600E/AC002 67300N 614600	<1	114	1700	5	<0.5	60	187	3.1
L-667300N 14700E/AC003 67300N 614700	2	97.5	1600	7	<0.5	42	538	0.8
L-667300N 14750E/AC004 67300N 614750	2	344	2200	4	<0.5	8	299	1.2
L-667300N 14800E/AC005 67300N 614800	<1	248	1300	<2	<0.5	151	249	1.3
L-667300N 14850E/AC006 67300N 614850	<1	222	900	<2	<0.5	34	138	1.4
L-667300N 14900E/AC007 67300N 614900	<1	235	1500	<2	<0.5	109	252	2.4
L-667300N 14950E/AC008 67300N 614950	<1	275	3100	3	<0.5	317	557	0.7
L-667300N 15000E/AC009 67300N 615000	<1	234	1400	3	<0.5	110	207	1.0
AC001 L7300 4600E	<1	259	4300	5	<0.5	106	333	0.7
AC010 67300N 605050E	<1	238	1800	<2	<0.5	119	473	1.6
AC011 67300N 605100E	<1	249	3000	3	0.5	130	404	1.1
AC013 67300N 605150E	1	211	900	4	2.0	99	364	1.8
AC015 67300N 605050E	<1	172	13700	10	1.4	102	646	1.5
L-667400N 13400E/AC061 67400N 613400	3	206	900	3	<0.5	19	194	1.5
L-667400N 13450E/AC062 67400N 613450	4	196	5800	5	<0.5	123	801	2.2
L-667400N 13500E/AC063 67400N 613500	<1	202	5000	10	0.5	87	584	1.5

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Element Method Det.Lim. Units	Li GE_MMI_M 1 ppb	Mg GE_MMI_M 0.5 ppm	Mn GE_MMI_M 100 ppb	Mo GE_MMI_M 2 ppb	Nb GE_MMI_M 0.5 ppb	Nd GE_MMI_M 1 ppb	Ni GE_MMI_M 5 ppb	P GE_MMI_M 0.1 ppm
L-667400N 13550E/AC064 67400N 613550	3	292	15000	4	<0.5	195	1560	1.1
L-667400N 13600E/AC065 67400N 613600	5	58.8	300	<2	<0.5	6	130	0.6
L-667400N 13650E/AC066 67400N 613650	<1	137	5100	4	<0.5	37	272	2.0
L-667400N 13700E/AC067 67400N 613700	4	75.9	6200	<2	<0.5	3	139	0.3
L-667400N 13750E/AC068 67400N 613750	<1	262	7200	3	<0.5	48	531	1.8
L-667400N 13800E/AC069 67400N 613800	1	261	23000	5	<0.5	150	1360	2.2
L-667400N 13850E/AC070 67400N 613850	2	264	20300	6	<0.5	155	1200	1.5
L-667400N 13900E/AC071 67400N 613900	<1	132	12500	6	<0.5	109	413	0.7
L-667400N 13950E/AC072 67400N 613950	1	138	11800	16	<0.5	104	623	0.7
L-667400N 14000E/AC073 67400N 614000	<1	123	7700	3	<0.5	23	221	0.9
L-667400N 14050E/AC074 67400N 614050	<1	196	11300	3	<0.5	9	164	0.1
L-667400N 14100E/AC075 67400N 614100	<1	148	5000	3	<0.5	21	145	0.6
L-667400N 14150E/AC076 67400N 614150	<1	255	10600	4	<0.5	70	310	0.5
L-667400N 14200E/AC077 67400N 614200	<1	215	7400	3	<0.5	30	176	0.8
L-667400N 14250E/AC078 67400N 614250	1	77.5	5300	<2	<0.5	2	77	0.2
L-667400N 14300E/AC030 67400N 614300	1	39.1	2900	<2	<0.5	<1	52	0.1
L-667400N 14350E/AC029 67400N 614350	<1	227	3300	<2	<0.5	203	533	0.9
L-667400N 14400E/AC028 67400N 614400	<1	271	3600	<2	<0.5	46	111	0.1
L-667400N 14450E/AC027 67400N 614450	<1	76.5	10600	11	<0.5	3	190	0.1
L-667400N 14500E/AC026 67400N 614500	2	74.1	10100	17	<0.5	9	277	0.6
L-667400N 14550E/AC025 67400N 614550	1	245	5200	5	<0.5	63	295	0.3
L-667400N 14600E/AC024 67400N 614600	<1	109	600	<2	<0.5	23	109	2.9
L-667400N 14650E/AC023 67400N 614650	19	251	1400	3	<0.5	22	403	2.2
L-667400N 14700E/AC022 67400N 614700	6	154	2000	4	<0.5	64	417	2.3
L-667400N 14750E/AC021 67400N 614750	3	243	1800	2	0.5	66	364	3.4
L-667400N 14800E/AC020 67400N 614800	<1	275	4900	2	0.7	132	794	1.6
L-667400N 14850E/AC019 67400N 614850	<1	254	2600	4	1.4	96	793	2.2
L-667400N 14900E/AC018 67400N 614900	1	231	2600	4	1.1	140	527	2.5
L-667400N 14950E/AC017 67400N 614950	<1	415	6400	12	0.8	42	1040	2.1
AC016 67400N 605000E	6	346	5400	3	0.5	192	1350	1.5
AC014 67400N 605100E	<1	269	4400	3	<0.5	159	543	1.3
AC013 67400N 605200E	<1	216	6600	3	<0.5	275	673	1.0
L-667500N 13450E/AC099 67500N 613450	4	149	2200	4	<0.5	1	349	1.0
L-667500N 13500E/AC098 67500N 613500	7	181	1300	29	<0.5	9	452	2.4
L-667500N 13550E/AC097 67500N 613550	3	249	4900	7	<0.5	73	795	2.9
L-667500N 13600E/AC096 67500N 613600	<1	218	3800	4	<0.5	63	524	2.6
L-667500N 13650E/AC095 67500N 613650	<1	103	1000	4	<0.5	6	293	1.3
L-667500N 13700E/AC094 67500N 613700	<1	155	2100	4	<0.5	105	305	1.7
L-667500N 13750E/AC093 67500N 613750	1	148	9000	4	<0.5	112	605	2.0
L-667500N 13800E/AC092 67500N 613800	<1	128	2900	4	<0.5	86	336	2.2

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Element	Li	Mg	Mn	Mo	Nb	Nd	Ni	P
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	100	2	0.5	1	5	0.1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppm
L-667500N 13850E/AC091 67500N 613850	<1	154	9800	10	<0.5	101	540	1.1
L-667500N 13900E/AC090 67500N 613900	2	165	10600	6	<0.5	121	645	1.9
L-667500N 13950E/AC089 67500N 613950	<1	179	6500	3	<0.5	111	506	1.1
L-667500N 14000E/AC088 67500N 614000	2	245	6300	7	<0.5	227	752	1.3

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Element Method Det.Lim. Units	Pb GE_MMI_M 5 ppb	Pd GE_MMI_M 1 ppb	Pr GE_MMI_M 0.5 ppb	Pt GE_MMI_M 0.1 ppb	Rb GE_MMI_M 1 ppb	Sb GE_MMI_M 0.5 ppb	Sc GE_MMI_M 5 ppb	Sm GE_MMI_M 1 ppb
L-667300N 13400E/AC060 67300N 613400	18	<1	18.4	<0.1	36	1.5	10	31
L-667300N 13450E/AC059 67300N 613450	10	<1	16.3	<0.1	26	0.7	17	27
L-667300N 13500E/AC058 67300N 613500	7	<1	7.4	<0.1	15	0.8	11	14
L-667300N 13550E/AC057 67300N 613550	33	<1	23.0	<0.1	55	<0.5	20	37
L-667300N 13600E/AC056 67300N 613600	22	<1	22.9	<0.1	8	<0.5	18	48
L-667300N 13650E/AC055 67300N 613650	<5	<1	0.6	<0.1	8	<0.5	6	1
L-667300N 13700E/AC054 67300N 613700	16	<1	0.9	<0.1	16	<0.5	9	2
L-667300N 13750E/AC053 67300N 613750	<5	<1	1.0	<0.1	15	<0.5	12	3
L-667300N 13800E/AC052 67300N 613800	17	<1	9.7	<0.1	21	<0.5	17	18
L-667300N 13850E/AC051 67300N 613850	24	<1	4.0	<0.1	43	<0.5	11	7
L-667300N 13900E/AC050 67300N 613900	45	<1	9.0	<0.1	29	<0.5	30	17
L-667300N 13950E/AC049 67300N 613950	66	<1	7.4	<0.1	135	<0.5	21	12
L-667300N 14000E/AC048 67300N 614000	24	<1	39.0	<0.1	17	<0.5	31	67
L-667300N 14050E/AC047 67300N 614050	<5	<1	4.0	<0.1	14	<0.5	16	11
L-667300N 14100E/AC046 67300N 614100	<5	<1	2.7	<0.1	18	<0.5	26	5
L-667300N 14150E/AC045 67300N 614150	<5	2	1.1	<0.1	8	<0.5	21	4
L-667300N 14200E/AC044 67300N 614200	<5	<1	<0.5	<0.1	9	<0.5	24	2
L-667300N 14250E/AC043 67300N 614250	16	<1	19.0	<0.1	19	<0.5	33	35
L-667300N 14300E/AC031 67300N 614300	11	<1	19.0	<0.1	14	<0.5	45	36
L-667300N 14350E/AC032 67300N 614350	16	<1	18.3	<0.1	15	<0.5	60	36
L-667300N 14400E/AC033 67300N 614400	10	<1	6.1	<0.1	21	<0.5	23	10
L-667300N 14450E/AC034 67300N 614450	6	<1	17.8	<0.1	82	<0.5	38	28
L-667300N 14500E/AC035 67300N 614500	6	<1	9.2	<0.1	65	<0.5	26	18
L-667300N 14550E/AC036 67300N 614550	<5	<1	3.2	<0.1	19	<0.5	10	7
L-667300N 14600E/AC002 67300N 614600	8	<1	10.6	<0.1	91	<0.5	10	19
L-667300N 14700E/AC003 67300N 614700	9	<1	8.2	<0.1	35	<0.5	11	11
L-667300N 14750E/AC004 67300N 614750	<5	<1	1.3	<0.1	9	<0.5	7	3
L-667300N 14800E/AC005 67300N 614800	6	<1	27.0	<0.1	33	<0.5	11	48
L-667300N 14850E/AC006 67300N 614850	<5	<1	5.5	<0.1	29	<0.5	7	11
L-667300N 14900E/AC007 67300N 614900	12	<1	18.4	<0.1	107	<0.5	10	33
L-667300N 14950E/AC008 67300N 614950	19	<1	50.7	<0.1	35	<0.5	26	106
L-667300N 15000E/AC009 67300N 615000	8	<1	17.9	<0.1	151	<0.5	16	37
AC001 L7300 4600E	8	<1	18.9	<0.1	8	<0.5	19	34
AC010 67300N 605050E	14	<1	18.9	<0.1	68	2.8	12	46
AC011 67300N 605100E	9	<1	21.7	<0.1	74	1.8	10	40
AC013 67300N 605150E	30	<1	22.3	<0.1	6	1.7	45	27
AC015 67300N 605050E	9	<1	19.8	<0.1	100	1.0	12	28
L-667400N 13400E/AC061 67400N 613400	12	<1	2.8	<0.1	2	1.1	9	7
L-667400N 13450E/AC062 67400N 613450	28	<1	20.0	<0.1	40	0.8	15	45
L-667400N 13500E/AC063 67400N 613500	30	<1	12.3	<0.1	30	0.7	17	37

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Element Method Det.Lim. Units	Pb GE_MMI_M 5 ppb	Pd GE_MMI_M 1 ppb	Pr GE_MMI_M 0.5 ppb	Pt GE_MMI_M 0.1 ppb	Rb GE_MMI_M 1 ppb	Sb GE_MMI_M 0.5 ppb	Sc GE_MMI_M 5 ppb	Sm GE_MMI_M 1 ppb
L-667400N 13550E/AC064 67400N 613550	40	<1	32.2	<0.1	37	0.6	18	63
L-667400N 13600E/AC065 67400N 613600	9	<1	1.0	<0.1	16	0.6	5	2
L-667400N 13650E/AC066 67400N 613650	13	<1	5.8	<0.1	15	<0.5	7	12
L-667400N 13700E/AC067 67400N 613700	9	<1	<0.5	<0.1	10	0.5	5	1
L-667400N 13750E/AC068 67400N 613750	15	<1	7.0	<0.1	19	<0.5	10	17
L-667400N 13800E/AC069 67400N 613800	23	<1	26.1	<0.1	24	<0.5	15	47
L-667400N 13850E/AC070 67400N 613850	25	<1	25.9	<0.1	27	<0.5	19	50
L-667400N 13900E/AC071 67400N 613900	72	<1	20.9	<0.1	89	<0.5	25	33
L-667400N 13950E/AC072 67400N 613950	23	<1	18.2	<0.1	52	<0.5	23	31
L-667400N 14000E/AC073 67400N 614000	20	<1	3.7	<0.1	7	<0.5	18	8
L-667400N 14050E/AC074 67400N 614050	6	<1	1.2	<0.1	14	<0.5	22	4
L-667400N 14100E/AC075 67400N 614100	<5	<1	3.6	<0.1	25	<0.5	22	8
L-667400N 14150E/AC076 67400N 614150	24	<1	12.2	<0.1	32	<0.5	30	23
L-667400N 14200E/AC077 67400N 614200	5	<1	5.2	<0.1	65	<0.5	30	10
L-667400N 14250E/AC078 67400N 614250	<5	<1	<0.5	<0.1	9	<0.5	14	1
L-667400N 14300E/AC030 67400N 614300	<5	<1	<0.5	<0.1	5	<0.5	6	<1
L-667400N 14350E/AC029 67400N 614350	57	<1	37.0	<0.1	14	<0.5	52	69
L-667400N 14400E/AC028 67400N 614400	<5	<1	7.5	<0.1	5	<0.5	23	17
L-667400N 14450E/AC027 67400N 614450	<5	<1	<0.5	<0.1	11	<0.5	12	2
L-667400N 14500E/AC026 67400N 614500	<5	<1	1.3	<0.1	18	<0.5	10	3
L-667400N 14550E/AC025 67400N 614550	<5	<1	10.6	<0.1	17	<0.5	11	22
L-667400N 14600E/AC024 67400N 614600	<5	<1	4.0	<0.1	75	<0.5	12	6
L-667400N 14650E/AC023 67400N 614650	<5	<1	3.3	<0.1	6	<0.5	8	8
L-667400N 14700E/AC022 67400N 614700	5	<1	11.0	<0.1	35	<0.5	12	18
L-667400N 14750E/AC021 67400N 614750	7	<1	10.7	<0.1	39	<0.5	12	23
L-667400N 14800E/AC020 67400N 614800	23	<1	22.5	<0.1	56	<0.5	25	45
L-667400N 14850E/AC019 67400N 614850	15	<1	16.1	<0.1	32	<0.5	30	33
L-667400N 14900E/AC018 67400N 614900	10	<1	23.9	<0.1	72	<0.5	19	46
L-667400N 14950E/AC017 67400N 614950	9	<1	6.4	<0.1	15	<0.5	12	18
AC016 67400N 605000E	20	<1	28.9	<0.1	17	<0.5	29	69
AC014 67400N 605100E	11	<1	26.8	<0.1	94	<0.5	12	52
AC013 67400N 605200E	23	<1	50.9	<0.1	56	<0.5	26	82
L-667500N 13450E/AC099 67500N 613450	8	<1	<0.5	<0.1	8	<0.5	<5	<1
L-667500N 13500E/AC098 67500N 613500	11	<1	1.4	<0.1	13	<0.5	5	4
L-667500N 13550E/AC097 67500N 613550	18	<1	11.1	<0.1	17	<0.5	9	24
L-667500N 13600E/AC096 67500N 613600	21	<1	9.7	<0.1	28	<0.5	10	21
L-667500N 13650E/AC095 67500N 613650	6	<1	0.8	<0.1	31	<0.5	<5	2
L-667500N 13700E/AC094 67500N 613700	17	<1	18.3	<0.1	25	<0.5	16	37
L-667500N 13750E/AC093 67500N 613750	12	<1	18.8	<0.1	30	<0.5	14	32
L-667500N 13800E/AC092 67500N 613800	23	<1	15.7	<0.1	8	<0.5	21	27

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Element Method Det.Lim. Units	Pb GE_MMI_M 5 ppb	Pd GE_MMI_M 1 ppb	Pr GE_MMI_M 0.5 ppb	Pt GE_MMI_M 0.1 ppb	Rb GE_MMI_M 1 ppb	Sb GE_MMI_M 0.5 ppb	Sc GE_MMI_M 5 ppb	Sm GE_MMI_M 1 ppb
L-667500N 13850E/AC091 67500N 613850	31	<1	17.6	<0.1	16	<0.5	36	32
L-667500N 13900E/AC090 67500N 613900	40	<1	21.9	<0.1	20	<0.5	23	40
L-667500N 13950E/AC089 67500N 613950	28	<1	20.9	<0.1	28	<0.5	36	37
L-667500N 14000E/AC088 67500N 614000	41	<1	39.2	<0.1	34	<0.5	21	72

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Element Method Det.Lim. Units	Sn GE_MMI_M 1 ppb	Sr GE_MMI_M 10 ppb	Ta GE_MMI_M 1 ppb	Tb GE_MMI_M 0.1 ppb	Te GE_MMI_M 10 ppb	Th GE_MMI_M 0.5 ppb	Ti GE_MMI_M 10 ppb	Tl GE_MMI_M 0.1 ppb
L-667300N 13400E/AC060 67300N 613400	<1	3060	<1	5.3	<10	9.5	20	<0.1
L-667300N 13450E/AC059 67300N 613450	<1	2710	<1	4.8	<10	8.4	20	<0.1
L-667300N 13500E/AC058 67300N 613500	<1	3640	<1	2.7	<10	3.0	170	<0.1
L-667300N 13550E/AC057 67300N 613550	<1	2370	<1	7.2	<10	12.5	50	<0.1
L-667300N 13600E/AC056 67300N 613600	<1	5430	<1	10.7	<10	5.7	<10	<0.1
L-667300N 13650E/AC055 67300N 613650	<1	2310	<1	0.3	<10	<0.5	<10	0.1
L-667300N 13700E/AC054 67300N 613700	<1	2400	<1	0.4	<10	<0.5	<10	<0.1
L-667300N 13750E/AC053 67300N 613750	<1	3200	<1	0.6	<10	0.9	<10	<0.1
L-667300N 13800E/AC052 67300N 613800	<1	3870	<1	3.2	<10	5.1	<10	<0.1
L-667300N 13850E/AC051 67300N 613850	<1	5020	<1	1.3	<10	3.4	<10	0.2
L-667300N 13900E/AC050 67300N 613900	<1	5630	<1	3.5	<10	4.8	30	0.3
L-667300N 13950E/AC049 67300N 613950	<1	4450	<1	2.2	<10	3.9	10	0.1
L-667300N 14000E/AC048 67300N 614000	<1	6030	<1	14.1	<10	13.9	<10	0.1
L-667300N 14050E/AC047 67300N 614050	<1	2750	<1	3.2	<10	3.0	<10	<0.1
L-667300N 14100E/AC046 67300N 614100	<1	4400	<1	1.0	<10	1.9	<10	<0.1
L-667300N 14150E/AC045 67300N 614150	<1	5140	<1	1.1	<10	0.6	<10	<0.1
L-667300N 14200E/AC044 67300N 614200	<1	2730	<1	0.9	<10	0.7	<10	<0.1
L-667300N 14250E/AC043 67300N 614250	<1	5070	<1	7.8	<10	10.8	<10	0.1
L-667300N 14300E/AC031 67300N 614300	<1	5400	<1	8.6	<10	6.8	<10	<0.1
L-667300N 14350E/AC032 67300N 614350	<1	3950	<1	8.3	<10	6.0	<10	<0.1
L-667300N 14400E/AC033 67300N 614400	<1	3420	<1	1.9	<10	5.8	<10	<0.1
L-667300N 14450E/AC034 67300N 614450	<1	2500	<1	4.8	<10	5.8	<10	0.1
L-667300N 14500E/AC035 67300N 614500	<1	3420	<1	4.0	<10	5.7	<10	<0.1
L-667300N 14550E/AC036 67300N 614550	<1	4890	<1	1.3	<10	0.6	<10	<0.1
L-667300N 14600E/AC002 67300N 614600	<1	3590	<1	3.4	<10	2.3	<10	<0.1
L-667300N 14700E/AC003 67300N 614700	<1	3050	<1	1.8	<10	4.5	<10	0.1
L-667300N 14750E/AC004 67300N 614750	<1	7280	<1	0.7	<10	0.6	<10	<0.1
L-667300N 14800E/AC005 67300N 614800	<1	15600	<1	8.5	<10	9.1	<10	<0.1
L-667300N 14850E/AC006 67300N 614850	<1	15100	<1	2.1	<10	3.5	<10	<0.1
L-667300N 14900E/AC007 67300N 614900	<1	7910	<1	5.8	<10	4.2	<10	<0.1
L-667300N 14950E/AC008 67300N 614950	<1	5470	<1	22.9	<10	11.0	<10	<0.1
L-667300N 15000E/AC009 67300N 615000	<1	9690	<1	8.3	<10	5.2	<10	<0.1
AC001 L7300 4600E	<1	3940	<1	6.7	<10	5.9	<10	<0.1
AC010 67300N 605050E	<1	9160	<1	10.3	10	4.3	<10	<0.1
AC011 67300N 605100E	<1	6310	<1	7.6	10	6.6	<10	<0.1
AC013 67300N 605150E	<1	5610	<1	6.2	<10	11.9	20	<0.1
AC015 67300N 605050E	<1	4350	<1	4.4	<10	10.3	10	0.2
L-667400N 13400E/AC061 67400N 613400	<1	4830	<1	2.2	<10	1.1	<10	<0.1
L-667400N 13450E/AC062 67400N 613450	<1	3870	<1	10.6	<10	10.2	10	<0.1
L-667400N 13500E/AC063 67400N 613500	<1	5480	<1	10.2	<10	5.7	<10	0.2

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Element Method Det.Lim. Units	Sn GE_MMI_M 1 ppb	Sr GE_MMI_M 10 ppb	Ta GE_MMI_M 1 ppb	Tb GE_MMI_M 0.1 ppb	Te GE_MMI_M 10 ppb	Th GE_MMI_M 0.5 ppb	Ti GE_MMI_M 10 ppb	Tl GE_MMI_M 0.1 ppb
L-667400N 13550E/AC064 67400N 613550	<1	4630	<1	14.6	<10	13.1	<10	0.2
L-667400N 13600E/AC065 67400N 613600	<1	2560	<1	0.5	<10	1.0	40	0.1
L-667400N 13650E/AC066 67400N 613650	<1	3630	<1	2.5	<10	2.9	<10	<0.1
L-667400N 13700E/AC067 67400N 613700	<1	2910	<1	0.4	<10	0.5	10	<0.1
L-667400N 13750E/AC068 67400N 613750	<1	5230	<1	4.7	<10	2.1	<10	<0.1
L-667400N 13800E/AC069 67400N 613800	<1	5490	<1	10.2	<10	9.1	<10	<0.1
L-667400N 13850E/AC070 67400N 613850	<1	4980	<1	11.7	<10	11.6	<10	0.1
L-667400N 13900E/AC071 67400N 613900	<1	3510	<1	7.0	<10	7.5	<10	0.2
L-667400N 13950E/AC072 67400N 613950	<1	3870	<1	6.0	<10	13.0	<10	0.1
L-667400N 14000E/AC073 67400N 614000	<1	3120	<1	1.9	<10	3.1	<10	<0.1
L-667400N 14050E/AC074 67400N 614050	<1	5000	<1	1.5	<10	1.7	<10	<0.1
L-667400N 14100E/AC075 67400N 614100	<1	3540	<1	1.8	<10	2.8	<10	<0.1
L-667400N 14150E/AC076 67400N 614150	<1	4870	<1	5.0	<10	8.3	<10	<0.1
L-667400N 14200E/AC077 67400N 614200	<1	4020	<1	2.3	<10	3.3	<10	<0.1
L-667400N 14250E/AC078 67400N 614250	<1	2390	<1	0.5	<10	<0.5	20	<0.1
L-667400N 14300E/AC030 67400N 614300	<1	1450	<1	<0.1	<10	<0.5	<10	<0.1
L-667400N 14350E/AC029 67400N 614350	<1	5920	<1	15.3	<10	7.6	<10	<0.1
L-667400N 14400E/AC028 67400N 614400	<1	7610	<1	4.6	<10	2.7	<10	<0.1
L-667400N 14450E/AC027 67400N 614450	<1	3970	<1	1.1	<10	0.6	<10	<0.1
L-667400N 14500E/AC026 67400N 614500	<1	2880	<1	1.0	<10	0.8	<10	<0.1
L-667400N 14550E/AC025 67400N 614550	<1	4080	<1	4.5	<10	3.1	<10	<0.1
L-667400N 14600E/AC024 67400N 614600	<1	3280	<1	1.0	<10	1.1	<10	<0.1
L-667400N 14650E/AC023 67400N 614650	<1	4350	<1	2.0	<10	0.7	<10	<0.1
L-667400N 14700E/AC022 67400N 614700	<1	3340	<1	3.3	<10	4.8	10	<0.1
L-667400N 14750E/AC021 67400N 614750	<1	6200	<1	5.0	<10	3.4	10	<0.1
L-667400N 14800E/AC020 67400N 614800	<1	4560	<1	9.8	<10	9.6	<10	<0.1
L-667400N 14850E/AC019 67400N 614850	<1	6020	<1	8.8	<10	4.7	10	<0.1
L-667400N 14900E/AC018 67400N 614900	<1	4930	<1	8.6	<10	8.3	20	<0.1
L-667400N 14950E/AC017 67400N 614950	<1	6330	<1	6.0	<10	2.6	10	<0.1
AC016 67400N 605000E	<1	6040	<1	19.4	<10	8.5	<10	<0.1
AC014 67400N 605100E	<1	5120	<1	9.8	<10	9.1	<10	<0.1
AC013 67400N 605200E	<1	5240	<1	15.3	<10	14.9	10	<0.1
L-667500N 13450E/AC099 67500N 613450	<1	4550	<1	0.1	<10	<0.5	<10	<0.1
L-667500N 13500E/AC098 67500N 613500	<1	3580	<1	1.1	<10	<0.5	<10	<0.1
L-667500N 13550E/AC097 67500N 613550	<1	3850	<1	5.4	<10	4.7	<10	<0.1
L-667500N 13600E/AC096 67500N 613600	<1	4840	<1	4.4	<10	3.6	10	<0.1
L-667500N 13650E/AC095 67500N 613650	<1	2940	<1	0.6	<10	<0.5	<10	<0.1
L-667500N 13700E/AC094 67500N 613700	<1	4170	<1	7.2	<10	5.7	<10	<0.1
L-667500N 13750E/AC093 67500N 613750	<1	2930	<1	5.8	<10	8.4	10	<0.1
L-667500N 13800E/AC092 67500N 613800	<1	3600	<1	5.5	<10	5.6	<10	<0.1

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Element Method Det.Lim. Units	Sn GE_MMI_M 1 ppb	Sr GE_MMI_M 10 ppb	Ta GE_MMI_M 1 ppb	Tb GE_MMI_M 0.1 ppb	Te GE_MMI_M 10 ppb	Th GE_MMI_M 0.5 ppb	Ti GE_MMI_M 10 ppb	Tl GE_MMI_M 0.1 ppb
L-667500N 13850E/AC091 67500N 613850	<1	3730	<1	7.2	<10	7.8	<10	<0.1
L-667500N 13900E/AC090 67500N 613900	<1	4050	<1	8.0	<10	6.6	80	<0.1
L-667500N 13950E/AC089 67500N 613950	<1	3770	<1	7.7	<10	10.3	10	<0.1
L-667500N 14000E/AC088 67500N 614000	<1	4910	<1	15.8	<10	11.9	<10	<0.1

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Element Method Det.Lim. Units	U GE_MMI_M 0.5 ppb	W GE_MMI_M 0.5 ppb	Y GE_MMI_M 1 ppb	Yb GE_MMI_M 0.2 ppb	Zn GE_MMI_M 10 ppb	Zr GE_MMI_M 2 ppb
L-667300N 13400E/AC060 67300N 613400	11.6	<0.5	164	11.7	190	34
L-667300N 13450E/AC059 67300N 613450	8.0	<0.5	140	11.4	150	21
L-667300N 13500E/AC058 67300N 613500	16.4	<0.5	87	6.3	60	31
L-667300N 13550E/AC057 67300N 613550	4.2	<0.5	211	17.0	500	31
L-667300N 13600E/AC056 67300N 613600	16.6	<0.5	377	27.7	230	24
L-667300N 13650E/AC055 67300N 613650	4.9	<0.5	13	1.0	90	3
L-667300N 13700E/AC054 67300N 613700	1.3	<0.5	16	1.0	200	2
L-667300N 13750E/AC053 67300N 613750	4.1	<0.5	25	1.7	110	4
L-667300N 13800E/AC052 67300N 613800	8.7	<0.5	119	8.5	290	16
L-667300N 13850E/AC051 67300N 613850	8.9	<0.5	51	3.5	430	8
L-667300N 13900E/AC050 67300N 613900	10.7	<0.5	155	9.8	620	14
L-667300N 13950E/AC049 67300N 613950	5.2	<0.5	83	6.0	3080	23
L-667300N 14000E/AC048 67300N 614000	18.7	<0.5	489	41.3	60	40
L-667300N 14050E/AC047 67300N 614050	2.3	<0.5	128	9.0	40	7
L-667300N 14100E/AC046 67300N 614100	3.7	<0.5	41	3.1	80	8
L-667300N 14150E/AC045 67300N 614150	2.0	<0.5	50	3.2	80	3
L-667300N 14200E/AC044 67300N 614200	2.6	<0.5	46	3.7	90	6
L-667300N 14250E/AC043 67300N 614250	12.0	<0.5	285	20.4	90	25
L-667300N 14300E/AC031 67300N 614300	13.6	<0.5	300	24.3	90	21
L-667300N 14350E/AC032 67300N 614350	8.7	<0.5	362	25.1	340	26
L-667300N 14400E/AC033 67300N 614400	3.6	<0.5	67	5.4	210	19
L-667300N 14450E/AC034 67300N 614450	3.0	<0.5	179	13.0	1140	20
L-667300N 14500E/AC035 67300N 614500	4.8	<0.5	138	9.5	240	12
L-667300N 14550E/AC036 67300N 614550	8.3	<0.5	43	3.4	40	9
L-667300N 14600E/AC002 67300N 614600	5.8	<0.5	126	8.2	350	10
L-667300N 14700E/AC003 67300N 614700	27.0	<0.5	67	5.5	90	12
L-667300N 14750E/AC004 67300N 614750	13.8	<0.5	26	2.8	30	9
L-667300N 14800E/AC005 67300N 614800	19.9	<0.5	316	19.5	100	35
L-667300N 14850E/AC006 67300N 614850	13.1	<0.5	73	5.9	60	10
L-667300N 14900E/AC007 67300N 614900	10.5	<0.5	214	12.9	150	16
L-667300N 14950E/AC008 67300N 614950	24.1	<0.5	772	56.7	100	40
L-667300N 15000E/AC009 67300N 615000	20.7	<0.5	351	21.6	150	18
AC001 L7300 4600E	11.6	<0.5	254	15.7	120	15
AC010 67300N 605050E	17.5	<0.5	362	24.4	120	11
AC011 67300N 605100E	13.1	<0.5	232	17.0	140	13
AC013 67300N 605150E	26.8	<0.5	150	14.0	90	122
AC015 67300N 605050E	9.5	<0.5	116	9.1	250	43
L-667400N 13400E/AC061 67400N 613400	17.4	<0.5	75	7.5	80	19
L-667400N 13450E/AC062 67400N 613450	16.5	<0.5	298	26.2	130	38
L-667400N 13500E/AC063 67400N 613500	28.9	<0.5	330	27.7	140	28

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Element Method Det.Lim. Units	U GE_MMI_M 0.5 ppb	W GE_MMI_M 0.5 ppb	Y GE_MMI_M 1 ppb	Yb GE_MMI_M 0.2 ppb	Zn GE_MMI_M 10 ppb	Zr GE_MMI_M 2 ppb
L-667400N 13550E/AC064 67400N 613550	14.0	<0.5	430	40.2	250	39
L-667400N 13600E/AC065 67400N 613600	2.0	<0.5	18	1.8	30	9
L-667400N 13650E/AC066 67400N 613650	10.6	<0.5	83	6.1	90	24
L-667400N 13700E/AC067 67400N 613700	2.8	<0.5	17	1.7	40	8
L-667400N 13750E/AC068 67400N 613750	15.7	<0.5	148	11.3	90	13
L-667400N 13800E/AC069 67400N 613800	16.1	<0.5	366	28.2	300	25
L-667400N 13850E/AC070 67400N 613850	21.7	<0.5	400	29.2	210	29
L-667400N 13900E/AC071 67400N 613900	14.8	<0.5	231	17.9	710	40
L-667400N 13950E/AC072 67400N 613950	8.6	<0.5	192	14.9	1150	19
L-667400N 14000E/AC073 67400N 614000	11.1	<0.5	75	5.9	180	17
L-667400N 14050E/AC074 67400N 614050	6.6	<0.5	69	5.5	120	7
L-667400N 14100E/AC075 67400N 614100	3.7	<0.5	72	5.2	110	9
L-667400N 14150E/AC076 67400N 614150	13.8	<0.5	191	12.6	220	30
L-667400N 14200E/AC077 67400N 614200	4.6	<0.5	97	6.4	410	11
L-667400N 14250E/AC078 67400N 614250	1.4	<0.5	26	2.4	30	5
L-667400N 14300E/AC030 67400N 614300	<0.5	<0.5	7	0.8	20	<2
L-667400N 14350E/AC029 67400N 614350	22.3	<0.5	607	45.5	120	42
L-667400N 14400E/AC028 67400N 614400	5.6	<0.5	204	13.5	120	8
L-667400N 14450E/AC027 67400N 614450	1.6	<0.5	49	4.2	40	6
L-667400N 14500E/AC026 67400N 614500	1.4	<0.5	41	3.6	90	6
L-667400N 14550E/AC025 67400N 614550	6.3	<0.5	151	10.5	50	13
L-667400N 14600E/AC024 67400N 614600	3.6	<0.5	41	3.0	60	10
L-667400N 14650E/AC023 67400N 614650	25.1	<0.5	69	5.7	110	17
L-667400N 14700E/AC022 67400N 614700	22.3	<0.5	116	8.6	120	14
L-667400N 14750E/AC021 67400N 614750	17.1	<0.5	183	12.2	200	27
L-667400N 14800E/AC020 67400N 614800	25.6	<0.5	349	25.9	200	43
L-667400N 14850E/AC019 67400N 614850	29.0	<0.5	313	26.1	70	49
L-667400N 14900E/AC018 67400N 614900	22.7	<0.5	311	18.5	140	41
L-667400N 14950E/AC017 67400N 614950	31.4	<0.5	221	18.7	90	34
AC016 67400N 605000E	19.8	<0.5	737	61.4	180	39
AC014 67400N 605100E	19.2	<0.5	332	20.7	80	18
AC013 67400N 605200E	25.2	<0.5	530	35.4	280	38
L-667500N 13450E/AC099 67500N 613450	4.9	<0.5	5	0.6	60	10
L-667500N 13500E/AC098 67500N 613500	6.5	<0.5	44	4.0	70	15
L-667500N 13550E/AC097 67500N 613550	10.6	<0.5	182	13.9	100	24
L-667500N 13600E/AC096 67500N 613600	11.5	<0.5	155	10.0	190	20
L-667500N 13650E/AC095 67500N 613650	2.5	<0.5	22	1.9	40	6
L-667500N 13700E/AC094 67500N 613700	14.2	<0.5	234	13.2	90	18
L-667500N 13750E/AC093 67500N 613750	10.6	<0.5	186	11.5	230	22
L-667500N 13800E/AC092 67500N 613800	14.7	<0.5	169	11.4	80	30

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Report File No.: 0000011622

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb	ppb
L-667500N 13850E/AC091 67500N 613850	14.5	<0.5	251	19.0	220	32
L-667500N 13900E/AC090 67500N 613900	22.5	<0.5	287	18.3	130	33
L-667500N 13950E/AC089 67500N 613950	9.0	<0.5	269	19.2	440	30
L-667500N 14000E/AC088 67500N 614000	14.4	<0.5	474	31.3	160	29

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**Certificate of Analysis**  
**Work Order : VC150763**  
**[Report File No.: 0000011623]**

**Date:** June 30, 2015

**To: DAVID MARK**  
**GEOTRONICS CONSULTING INC.**  
6204-125th ST  
SURREY BC V3X 2E1

**P.O. No.:** ASHTON COPPER 208 MMI Samples 2/3  
**Project No.:** -  
**Samples:** 84  
**Received:** Apr 13, 2015  
**Pages:** Page 1 to 22  
(Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
84	G_LOG02	Pre-preparation processing, sorting, logging, boxing
84	G_WGH79	Weighing of samples and reporting of weights
84	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

**Storage: Pulp & Reject**

PULP STORAGE : DISCARD

Certified By :

Cam Chiang  
Assistant Operations Manager

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	WtKg G_WGH79 0.01 kg	Ag GE_MMI_M 0.5 ppb	Al GE_MMI_M 1 ppm	As GE_MMI_M 10 ppb	Au GE_MMI_M 0.1 ppb	Ba GE_MMI_M 10 ppb	Bi GE_MMI_M 0.5 ppb	Ca GE_MMI_M 2 ppm
L-667500N 14050E/AC087 67500N 614050	0.660	14.8	30	<10	0.4	1920	<0.5	901
L-667500N 14100E/AC130 67500N 614100	0.820	15.2	28	<10	0.2	2000	<0.5	811
L-667500N 14150E/AC129 67500N 614150	0.610	12.3	23	<10	0.3	1490	<0.5	782
L-667500N 14200E/AC128 67500N 614200	0.615	7.8	33	<10	0.2	1770	<0.5	663
L-667500N 14250E/AC127 67500N 614250	0.585	17.1	24	<10	0.2	2370	<0.5	968
L-667500N 14300E/AC126 67500N 614300	0.665	17.2	29	<10	0.2	2260	<0.5	815
L-667500N 14350E/AC125 67500N 614350	0.740	8.2	50	<10	<0.1	2180	<0.5	641
L-667500N 14400E/AC124 67500N 614400	0.515	8.3	16	<10	0.6	520	<0.5	834
L-667500N 14450E/AC123 67500N 614450	0.745	19.3	14	<10	1.2	410	<0.5	660
L-667500N 14500E/AC122 67500N 614500	0.450	<0.5	4	80	<0.1	50	<0.5	487
L-667500N 14550E/AC171 67500N 614550	0.830	37.5	19	20	1.4	370	<0.5	891
L-667500N 14600E/AC170 67500N 614600	0.650	12.9	28	<10	<0.1	450	<0.5	860
L-667500N 14650E/AC169 67500N 614650	0.715	15.9	32	<10	0.4	540	<0.5	918
L-667500N 14700E/AC168 67500N 614700	0.565	6.1	21	<10	<0.1	560	<0.5	732
L-667500N 14750E/AC167 67500N 614750	0.555	6.1	25	<10	<0.1	1050	<0.5	623
L-667500N 14800E/AC166 67500N 614800	0.455	11.3	27	<10	<0.1	1460	<0.5	791
L-667500N 14850E/AC082 67500N 614850	0.805	8.1	23	<10	<0.1	930	<0.5	668
L-667500N 14900E/AC081 67500N 614900	0.815	13.6	8	<10	0.3	640	<0.5	1040
L-667500N 14950E/AC080 67500N 614950	0.660	53.9	21	<10	<0.1	1010	<0.5	684
L-667500N 15000E/AC079 67500N 615000	0.695	5.8	21	<10	<0.1	580	<0.5	682
L-667500N 15050E/AC037 67500N 615050	0.590	12.5	22	<10	<0.1	490	<0.5	724
L-667500N 15100E/AC038 67500N 615100	0.690	9.0	9	<10	<0.1	460	<0.5	748
L-667500N 15150E/AC039 67500N 615150	0.715	10.2	13	<10	<0.1	870	<0.5	819
L-667600N 13450E/AC100 67600N 613450	0.725	17.0	14	<10	0.4	1110	<0.5	747
L-667600N 13500E/AC101 67600N 613500	0.770	23.5	22	<10	1.1	2940	<0.5	863
L-667600N 13550E/AC102 67600N 613550	0.675	5.0	19	<10	0.1	1820	<0.5	730
L-667600N 13600E/AC103 67600N 613600	0.540	11.8	8	30	0.2	390	<0.5	709
L-667600N 13650E/AC104 67600N 613650	0.660	11.4	10	<10	0.2	1130	<0.5	794
L-667600N 13700E/AC105 67600N 613700	0.780	24.7	65	<10	0.1	250	<0.5	286
L-667600N 13750E/AC106 67600N 613750	0.865	32.9	10	<10	1.1	500	<0.5	657
L-667600N 13800E/AC107 67600N 613800	0.855	23.9	17	20	2.1	960	<0.5	808
L-667600N 13850E/AC108 67600N 613850	0.740	10.8	17	<10	0.3	910	<0.5	728
L-667600N 13900E/AC109 67600N 613900	0.605	16.0	34	<10	<0.1	1880	<0.5	807
L-667600N 13950E/AC110 67600N 613950	0.625	18.7	38	<10	0.4	1540	<0.5	884
L-667600N 14000E/AC111 67600N 614000	0.625	12.3	23	<10	0.3	1790	<0.5	698
L-667600N 14050E/AC112 67600N 614050	0.535	14.0	13	<10	0.5	1980	<0.5	801
L-667600N 14100E/AC113 67600N 614100	0.630	57.4	19	<10	1.9	1800	<0.5	820
L-667600N 14150E/AC114 67600N 614150	0.570	9.3	17	<10	0.2	1860	<0.5	831
L-667600N 14200E/AC115 67600N 614200	0.545	9.6	22	<10	0.2	2630	<0.5	832
L-667600N 14250E/AC116 67600N 614250	0.550	6.3	33	<10	<0.1	1860	<0.5	563

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Element Method Det.Lim. Units	WtKg G_WGH79 0.01 kg	Ag GE_MMI_M 0.5 ppb	Al GE_MMI_M 1 ppm	As GE_MMI_M 10 ppb	Au GE_MMI_M 0.1 ppb	Ba GE_MMI_M 10 ppb	Bi GE_MMI_M 0.5 ppb	Ca GE_MMI_M 2 ppm
L-667600N 14300E/AC117 67600N 614300	0.690	11.2	21	<10	<0.1	1390	<0.5	621
L-667600N 14350E/AC118 67600N 614350	0.670	65.0	10	<10	4.4	460	<0.5	718
L-667600N 14400E/AC119 67600N 614400	0.635	13.5	6	<10	0.5	400	<0.5	624
L-667600N 14450E/AC120 67600N 614450	0.735	26.0	48	20	0.1	140	<0.5	317
L-667600N 14500E/AC121 67600N 614500	0.520	28.4	34	20	0.6	480	<0.5	936
L-667600N 14550E/AC172 67600N 614550	0.725	35.8	16	<10	0.4	460	<0.5	1120
L-667600N 14600E/AC173 67600N 614600	0.700	17.7	12	10	0.6	770	<0.5	679
L-667600N 14650E/AC174 67600N 614650	0.585	14.2	17	<10	0.3	580	<0.5	1060
L-667600N 14700E/AC175 67600N 614700	0.640	6.0	30	<10	<0.1	620	<0.5	731
L-667600N 14750E/AC176 67600N 614750	0.540	1.7	44	<10	<0.1	550	<0.5	568
L-667600N 14800E/AC177 67600N 614800	0.595	6.1	14	<10	<0.1	690	<0.5	777
L-667600N 14850E/AC083 67600N 614850	0.555	6.1	13	<10	<0.1	1100	<0.5	745
L-667600N 14900E/AC084 67600N 614900	0.700	15.9	5	<10	0.3	540	<0.5	1060
L-667600N 14950E/AC085 67600N 614950	0.710	21.0	14	<10	0.2	1170	<0.5	825
L-667600N 15000E/AC086 67600N 615000	0.760	8.7	18	<10	0.1	1250	<0.5	777
L-667600N 15050E/AC042 67600N 615050	0.560	6.0	21	<10	<0.1	530	<0.5	688
L-667600N 15100E/AC041 67600N 615100	0.735	4.0	9	<10	<0.1	260	<0.5	799
L-667600N 15150E/AC040 67600N 615150	0.565	16.5	12	<10	0.1	220	<0.5	902
L-667700N 13600E/AC191 67700N 613600	0.655	11.5	11	10	0.4	730	<0.5	841
L-667700N 13650E/AC190 67700N 613650	0.760	14.7	17	<10	0.1	1300	<0.5	914
L-667700N 13700E/AC189 67700N 613700	0.525	13.7	12	<10	0.1	2400	<0.5	971
L-667700N 13750E/AC188 67700N 613750	0.645	4.5	16	<10	<0.1	1930	<0.5	994
L-667700N 13800E/AC187 67700N 613800	0.905	13.8	9	<10	0.3	930	<0.5	693
L-667700N 13850E/AC186 67700N 613850	0.565	6.5	22	<10	<0.1	950	<0.5	927
L-667700N 13900E/AC185 67700N 613900	0.555	16.5	22	<10	0.2	870	<0.5	945
L-667700N 13950E/AC184 67700N 613950	0.730	7.0	30	<10	0.2	680	<0.5	706
L-667700N 14000E/AC183 67700N 614000	0.750	8.3	11	<10	0.3	3650	<0.5	1000
L-667700N 14050E/AC182 67700N 614050	0.680	19.6	12	<10	1.9	4320	<0.5	1170
L-667700N 14100E/AC181 67700N 614100	0.695	12.0	19	<10	0.4	1990	<0.5	740
L-667700N 14150E/AC180 67700N 614150	0.745	4.5	42	<10	<0.1	2030	<0.5	658
L-667700N 14200E/AC179 67700N 614200	0.675	14.8	15	<10	0.1	1520	<0.5	755
L-667700N 14250E/AC178 67700N 614250	0.720	11.7	14	<10	<0.1	2220	<0.5	720
L-667700N 14300E/AC148 67700N 614300	0.480	15.5	9	<10	0.2	1430	<0.5	885
L-667700N 14350E/AC147 67700N 614350	0.880	55.6	10	10	0.8	420	<0.5	740
L-667700N 14400E/AC146 67700N 614400	0.660	58.3	6	40	2.0	80	<0.5	512
L-667700N 14450E/AC145 67700N 614450	0.790	60.9	15	20	2.2	380	<0.5	639
L-667700N 14500E/AC144 67700N 614500	0.685	43.7	15	20	0.4	330	<0.5	861
L-667700N 14550E/AC143 67700N 614550	0.585	18.3	23	<10	0.5	660	<0.5	1060
L-667700N 14600E/AC142 67700N 614600	0.645	36.8	8	20	0.6	390	<0.5	1120
L-667700N 14650E/AC141 67700N 614650	0.620	10.5	20	<10	<0.1	750	<0.5	943

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Report File No.: 0000011623

Element	WtKg	Ag	Al	As	Au	Ba	Bi	Ca
Method	G_WGH79	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.01	0.5	1	10	0.1	10	0.5	2
Units	kg	ppb	ppm	ppb	ppb	ppb	ppb	ppm
L-667700N 14700E/AC140 67700N 614700	0.675	7.3	14	<10	<0.1	1070	<0.5	741
L-667700N 14750E/AC139 67700N 614750	0.540	2.8	18	<10	<0.1	860	<0.5	758
L-667700N 14800E/AC138 67700N614800	0.660	16.1	9	<10	0.2	530	<0.5	1070
L-667700N 14850E/AC137 67700N614850	0.575	29.4	10	<10	0.5	450	<0.5	1060

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Element Method Det.Lim. Units	Cd GE_MMI_M 1 ppb	Ce GE_MMI_M 2 ppb	Co GE_MMI_M 1 ppb	Cr GE_MMI_M 100 ppb	Cs GE_MMI_M 0.2 ppb	Cu GE_MMI_M 10 ppb	Dy GE_MMI_M 0.5 ppb	Er GE_MMI_M 0.2 ppb
L-667500N 14050E/AC087 67500N 614050	10	144	128	<100	<0.2	3420	60.9	35.0
L-667500N 14100E/AC130 67500N 614100	7	109	74	<100	<0.2	5130	42.5	24.1
L-667500N 14150E/AC129 67500N 614150	15	155	112	<100	<0.2	3240	56.4	32.3
L-667500N 14200E/AC128 67500N 614200	4	58	161	<100	0.2	2400	15.4	8.0
L-667500N 14250E/AC127 67500N 614250	5	34	71	<100	0.2	3700	24.4	14.3
L-667500N 14300E/AC126 67500N 614300	5	48	56	<100	1.0	3540	23.9	12.5
L-667500N 14350E/AC125 67500N 614350	13	96	15	<100	<0.2	1390	34.3	20.5
L-667500N 14400E/AC124 67500N 614400	4	2	103	<100	0.9	8070	2.0	1.4
L-667500N 14450E/AC123 67500N 614450	7	2	60	<100	0.8	14000	3.5	1.8
L-667500N 14500E/AC122 67500N 614500	2	<2	8	<100	0.3	570	0.7	0.3
L-667500N 14550E/AC171 67500N 614550	8	18	82	<100	<0.2	14000	10.9	6.0
L-667500N 14600E/AC170 67500N 614600	6	47	13	<100	0.3	860	21.0	12.0
L-667500N 14650E/AC169 67500N 614650	11	19	12	<100	0.5	3390	17.9	9.6
L-667500N 14700E/AC168 67500N 614700	10	157	24	<100	0.7	800	109	56.6
L-667500N 14750E/AC167 67500N 614750	10	295	64	<100	0.3	570	85.9	43.4
L-667500N 14800E/AC166 67500N 614800	6	181	69	<100	0.4	930	134	78.5
L-667500N 14850E/AC082 67500N 614850	4	105	68	<100	0.3	690	51.8	29.4
L-667500N 14900E/AC081 67500N 614900	4	3	19	<100	0.3	880	1.3	1.0
L-667500N 14950E/AC080 67500N 614950	7	140	103	<100	0.3	30100	42.0	21.6
L-667500N 15000E/AC079 67500N 615000	10	88	39	<100	0.3	510	42.5	21.9
L-667500N 15050E/AC037 67500N 615050	6	157	61	<100	<0.2	610	103	63.4
L-667500N 15100E/AC038 67500N 615100	5	38	47	<100	0.3	860	60.4	38.7
L-667500N 15150E/AC039 67500N 615150	3	33	25	<100	1.2	610	34.5	19.3
L-667600N 13450E/AC100 67600N 613450	9	6	35	<100	<0.2	1920	8.8	5.5
L-667600N 13500E/AC101 67600N 613500	11	18	37	<100	<0.2	2870	37.6	21.6
L-667600N 13550E/AC102 67600N 613550	13	221	101	<100	<0.2	1490	65.0	31.6
L-667600N 13600E/AC103 67600N 613600	7	<2	7	<100	<0.2	2960	2.4	1.4
L-667600N 13650E/AC104 67600N 613650	13	63	78	<100	<0.2	3350	56.8	28.4
L-667600N 13700E/AC105 67600N 613700	4	18	56	<100	2.5	4930	5.0	2.7
L-667600N 13750E/AC106 67600N 613750	6	9	320	<100	0.5	28800	3.1	1.5
L-667600N 13800E/AC107 67600N 613800	8	29	62	<100	0.3	8650	14.4	7.8
L-667600N 13850E/AC108 67600N 613850	7	43	59	<100	0.3	8230	20.0	9.6
L-667600N 13900E/AC109 67600N 613900	20	246	89	<100	<0.2	2950	60.5	30.1
L-667600N 13950E/AC110 67600N 613950	7	137	36	<100	<0.2	3320	99.2	55.6
L-667600N 14000E/AC111 67600N 614000	11	124	109	<100	<0.2	2410	49.3	28.0
L-667600N 14050E/AC112 67600N 614050	6	89	164	<100	<0.2	1880	39.6	23.5
L-667600N 14100E/AC113 67600N 614100	11	27	69	<100	<0.2	4720	22.0	11.0
L-667600N 14150E/AC114 67600N 614150	14	46	45	<100	<0.2	1220	43.5	21.7
L-667600N 14200E/AC115 67600N 614200	9	120	169	<100	<0.2	2060	71.1	43.5
L-667600N 14250E/AC116 67600N 614250	9	127	13	<100	<0.2	1250	42.0	22.8

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Element Method Det.Lim. Units	Cd GE_MMI_M 1 ppb	Ce GE_MMI_M 2 ppb	Co GE_MMI_M 1 ppb	Cr GE_MMI_M 100 ppb	Cs GE_MMI_M 0.2 ppb	Cu GE_MMI_M 10 ppb	Dy GE_MMI_M 0.5 ppb	Er GE_MMI_M 0.2 ppb
L-667600N 14300E/AC117 67600N 614300	12	80	59	<100	<0.2	1580	23.9	12.4
L-667600N 14350E/AC118 67600N 614350	9	3	215	<100	0.9	23200	5.1	3.0
L-667600N 14400E/AC119 67600N 614400	6	5	205	<100	0.7	6140	4.1	2.0
L-667600N 14450E/AC120 67600N 614450	51	24	51	<100	1.1	5640	6.2	3.9
L-667600N 14500E/AC121 67600N 614500	16	34	31	<100	0.5	6050	11.1	7.0
L-667600N 14550E/AC172 67600N 614550	20	32	47	<100	0.5	10500	15.5	8.6
L-667600N 14600E/AC173 67600N 614600	4	37	54	<100	0.6	3690	13.0	7.5
L-667600N 14650E/AC174 67600N 614650	5	8	39	<100	0.3	2650	7.8	5.0
L-667600N 14700E/AC175 67600N 614700	15	164	12	<100	0.5	890	47.1	28.3
L-667600N 14750E/AC176 67600N 614750	36	106	8	<100	0.9	210	33.8	19.8
L-667600N 14800E/AC177 67600N 614800	10	64	85	<100	<0.2	990	29.8	17.4
L-667600N 14850E/AC083 67600N 614850	5	159	92	<100	<0.2	870	110	67.2
L-667600N 14900E/AC084 67600N 614900	3	3	13	<100	<0.2	750	1.0	0.7
L-667600N 14950E/AC085 67600N 614950	9	111	115	<100	<0.2	860	57.7	33.2
L-667600N 15000E/AC086 67600N 615000	6	188	140	<100	<0.2	580	66.3	38.5
L-667600N 15050E/AC042 67600N 615050	3	183	22	<100	0.4	460	52.5	27.9
L-667600N 15100E/AC041 67600N 615100	6	35	20	<100	<0.2	790	21.9	13.0
L-667600N 15150E/AC040 67600N 615150	2	15	12	<100	<0.2	870	8.4	4.9
L-667700N 13600E/AC191 67700N 613600	6	3	16	<100	<0.2	2620	2.5	1.8
L-667700N 13650E/AC190 67700N 613650	7	46	38	<100	<0.2	1820	30.1	15.9
L-667700N 13700E/AC189 67700N 613700	6	49	41	<100	<0.2	2650	33.6	18.1
L-667700N 13750E/AC188 67700N 613750	4	89	27	<100	<0.2	1180	51.8	27.3
L-667700N 13800E/AC187 67700N 613800	4	25	39	<100	0.3	1510	12.8	7.1
L-667700N 13850E/AC186 67700N 613850	5	13	31	<100	<0.2	1990	18.9	10.8
L-667700N 13900E/AC185 67700N 613900	4	10	22	<100	0.2	4490	10.0	6.0
L-667700N 13950E/AC184 67700N 613950	7	16	23	<100	0.6	6240	7.1	4.0
L-667700N 14000E/AC183 67700N 614000	4	5	11	<100	<0.2	2920	8.4	4.6
L-667700N 14050E/AC182 67700N 614050	4	12	27	<100	0.3	4230	14.3	9.0
L-667700N 14100E/AC181 67700N 614100	5	52	56	<100	<0.2	1870	30.5	15.3
L-667700N 14150E/AC180 67700N 614150	14	355	24	<100	<0.2	1080	115	69.1
L-667700N 14200E/AC179 67700N 614200	10	79	70	<100	<0.2	1800	39.1	22.7
L-667700N 14250E/AC178 67700N 614250	6	203	143	<100	0.4	1280	41.4	22.2
L-667700N 14300E/AC148 67700N 614300	9	25	52	<100	<0.2	2290	10.5	5.2
L-667700N 14350E/AC147 67700N 614350	12	14	160	<100	0.2	13400	6.5	3.6
L-667700N 14400E/AC146 67700N 614400	27	<2	248	<100	0.5	13400	1.4	1.1
L-667700N 14450E/AC145 67700N 614450	13	22	137	<100	0.4	19500	10.2	6.7
L-667700N 14500E/AC144 67700N 614500	35	38	48	<100	0.3	12600	8.8	5.5
L-667700N 14550E/AC143 67700N 614550	22	97	227	<100	0.3	6320	26.4	15.3
L-667700N 14600E/AC142 67700N 614600	4	4	35	<100	0.4	2370	2.0	1.5
L-667700N 14650E/AC141 67700N 614650	4	49	18	<100	0.5	1210	37.8	22.3

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Element	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	2	1	100	0.2	10	0.5	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
L-667700N 14700E/AC140 67700N 614700	4	233	31	<100	0.3	500	128	68.0
L-667700N 14750E/AC139 67700N 614750	9	121	54	<100	<0.2	520	93.4	50.9
L-667700N 14800E/AC138 67700N614800	5	9	16	<100	0.2	1280	12.5	7.7
L-667700N 14850E/AC137 67700N614850	4	<2	37	<100	<0.2	1110	2.2	1.7

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Element Method Det.Lim. Units	Eu GE_MMI_M 0.2 ppb	Fe GE_MMI_M 1 ppm	Ga GE_MMI_M 0.5 ppb	Gd GE_MMI_M 0.5 ppb	Hg GE_MMI_M 1 ppb	In GE_MMI_M 0.1 ppb	K GE_MMI_M 0.5 ppm	La GE_MMI_M 1 ppb
L-667500N 14050E/AC087 67500N 614050	13.3	11	0.6	73.5	<1	<0.1	33.4	52
L-667500N 14100E/AC130 67500N 614100	10.6	15	<0.5	54.2	<1	<0.1	38.6	40
L-667500N 14150E/AC129 67500N 614150	12.3	11	<0.5	63.3	<1	<0.1	97.5	34
L-667500N 14200E/AC128 67500N 614200	4.5	13	0.6	18.9	<1	<0.1	60.8	19
L-667500N 14250E/AC127 67500N 614250	6.5	12	0.6	32.6	<1	<0.1	33.0	20
L-667500N 14300E/AC126 67500N 614300	6.6	14	0.6	30.3	<1	<0.1	24.2	27
L-667500N 14350E/AC125 67500N 614350	8.3	19	1.0	45.9	<1	<0.1	54.0	45
L-667500N 14400E/AC124 67500N 614400	0.5	9	0.6	1.8	<1	<0.1	31.1	<1
L-667500N 14450E/AC123 67500N 614450	0.9	11	0.6	3.4	<1	<0.1	41.5	<1
L-667500N 14500E/AC122 67500N 614500	<0.2	3	<0.5	0.9	<1	<0.1	3.0	<1
L-667500N 14550E/AC171 67500N 614550	2.6	13	<0.5	13.3	<1	<0.1	48.5	8
L-667500N 14600E/AC170 67500N 614600	5.1	19	<0.5	26.0	<1	<0.1	166	22
L-667500N 14650E/AC169 67500N 614650	5.5	16	<0.5	26.2	<1	<0.1	40.9	21
L-667500N 14700E/AC168 67500N 614700	26.9	11	<0.5	143	<1	<0.1	36.5	106
L-667500N 14750E/AC167 67500N 614750	19.8	13	<0.5	97.8	<1	<0.1	100	92
L-667500N 14800E/AC166 67500N 614800	25.2	6	<0.5	144	<1	<0.1	30.9	65
L-667500N 14850E/AC082 67500N 614850	12.7	9	<0.5	69.6	<1	<0.1	89.9	47
L-667500N 14900E/AC081 67500N 614900	0.3	5	<0.5	1.2	<1	<0.1	16.4	<1
L-667500N 14950E/AC080 67500N 614950	11.0	11	0.8	55.2	<1	<0.1	64.5	61
L-667500N 15000E/AC079 67500N 615000	10.6	9	<0.5	53.5	<1	<0.1	70.6	44
L-667500N 15050E/AC037 67500N 615050	20.4	9	<0.5	111	<1	<0.1	184	56
L-667500N 15100E/AC038 67500N 615100	10.5	6	<0.5	63.3	<1	<0.1	66.9	19
L-667500N 15150E/AC039 67500N 615150	7.9	7	<0.5	43.5	<1	<0.1	20.0	21
L-667600N 13450E/AC100 67600N 613450	1.6	8	<0.5	9.3	<1	<0.1	75.8	2
L-667600N 13500E/AC101 67600N 613500	8.0	9	<0.5	46.2	<1	<0.1	66.5	16
L-667600N 13550E/AC102 67600N 613550	16.4	13	<0.5	79.8	<1	<0.1	63.7	69
L-667600N 13600E/AC103 67600N 613600	0.5	11	<0.5	2.8	<1	<0.1	133	2
L-667600N 13650E/AC104 67600N 613650	12.2	5	<0.5	68.6	<1	<0.1	104	23
L-667600N 13700E/AC105 67600N 613700	2.9	10	3.4	7.6	<1	<0.1	21.4	7
L-667600N 13750E/AC106 67600N 613750	0.9	6	<0.5	4.1	<1	<0.1	15.0	3
L-667600N 13800E/AC107 67600N 613800	4.1	11	<0.5	18.9	<1	<0.1	22.8	12
L-667600N 13850E/AC108 67600N 613850	5.6	10	<0.5	27.5	<1	<0.1	23.8	22
L-667600N 13900E/AC109 67600N 613900	14.4	15	0.7	71.6	<1	<0.1	78.7	67
L-667600N 13950E/AC110 67600N 613950	21.2	13	0.6	114	<1	<0.1	52.2	72
L-667600N 14000E/AC111 67600N 614000	11.1	9	<0.5	60.8	<1	<0.1	113	38
L-667600N 14050E/AC112 67600N 614050	7.2	5	<0.5	43.0	<1	<0.1	42.1	18
L-667600N 14100E/AC113 67600N 614100	5.2	8	<0.5	28.0	<1	<0.1	12.5	12
L-667600N 14150E/AC114 67600N 614150	10.2	8	<0.5	54.3	<1	<0.1	60.5	29
L-667600N 14200E/AC115 67600N 614200	15.0	10	<0.5	83.1	<1	<0.1	11.5	42
L-667600N 14250E/AC116 67600N 614250	11.1	19	0.7	56.3	<1	<0.1	115	61

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Element Method Det.Lim. Units	Eu GE_MMI_M 0.2 ppb	Fe GE_MMI_M 1 ppm	Ga GE_MMI_M 0.5 ppb	Gd GE_MMI_M 0.5 ppb	Hg GE_MMI_M 1 ppb	In GE_MMI_M 0.1 ppb	K GE_MMI_M 0.5 ppm	La GE_MMI_M 1 ppb
L-667600N 14300E/AC117 67600N 614300	6.6	13	0.7	33.1	<1	<0.1	126	40
L-667600N 14350E/AC118 67600N 614350	1.4	9	0.5	5.4	2	<0.1	11.9	2
L-667600N 14400E/AC119 67600N 614400	0.9	5	<0.5	4.5	<1	<0.1	<0.5	<1
L-667600N 14450E/AC120 67600N 614450	1.8	29	1.8	8.1	<1	<0.1	<0.5	<1
L-667600N 14500E/AC121 67600N 614500	3.6	18	0.6	14.8	<1	<0.1	<0.5	<1
L-667600N 14550E/AC172 67600N 614550	4.5	12	<0.5	22.1	<1	<0.1	<0.5	<1
L-667600N 14600E/AC173 67600N 614600	3.6	15	0.7	17.8	<1	<0.1	<0.5	<1
L-667600N 14650E/AC174 67600N 614650	1.6	8	<0.5	8.5	<1	<0.1	36.3	3
L-667600N 14700E/AC175 67600N 614700	11.8	26	<0.5	58.0	<1	<0.1	86.6	68
L-667600N 14750E/AC176 67600N 614750	8.4	13	0.5	42.0	<1	<0.1	77.9	39
L-667600N 14800E/AC177 67600N 614800	6.6	7	<0.5	36.0	<1	<0.1	48.4	23
L-667600N 14850E/AC083 67600N 614850	21.6	5	<0.5	126	<1	<0.1	74.8	43
L-667600N 14900E/AC084 67600N 614900	<0.2	5	<0.5	1.0	<1	<0.1	9.6	<1
L-667600N 14950E/AC085 67600N 614950	11.4	5	<0.5	63.5	<1	<0.1	21.9	27
L-667600N 15000E/AC086 67600N 615000	13.5	9	0.6	73.9	<1	<0.1	156	50
L-667600N 15050E/AC042 67600N 615050	13.7	12	<0.5	69.6	<1	<0.1	78.2	81
L-667600N 15100E/AC041 67600N 615100	6.0	7	<0.5	29.1	<1	<0.1	54.0	23
L-667600N 15150E/AC040 67600N 615150	2.1	6	<0.5	10.9	<1	<0.1	15.7	7
L-667700N 13600E/AC191 67700N 613600	0.5	8	<0.5	2.6	<1	<0.1	195	<1
L-667700N 13650E/AC190 67700N 613650	7.3	10	<0.5	38.8	<1	<0.1	70.7	25
L-667700N 13700E/AC189 67700N 613700	8.7	8	<0.5	46.9	<1	<0.1	69.7	26
L-667700N 13750E/AC188 67700N 613750	13.0	8	<0.5	70.8	<1	<0.1	72.7	47
L-667700N 13800E/AC187 67700N 613800	3.8	6	<0.5	19.2	<1	<0.1	19.8	15
L-667700N 13850E/AC186 67700N 613850	4.3	10	0.6	24.2	<1	<0.1	47.8	11
L-667700N 13900E/AC185 67700N 613900	2.7	14	<0.5	12.6	<1	<0.1	43.1	5
L-667700N 13950E/AC184 67700N 613950	1.9	18	0.7	8.8	<1	<0.1	55.5	7
L-667700N 14000E/AC183 67700N 614000	2.5	7	<0.5	10.1	<1	<0.1	24.2	2
L-667700N 14050E/AC182 67700N 614050	3.2	6	<0.5	14.3	<1	<0.1	33.7	2
L-667700N 14100E/AC181 67700N 614100	8.4	11	<0.5	41.7	<1	<0.1	23.5	34
L-667700N 14150E/AC180 67700N 614150	25.4	18	1.2	133	<1	<0.1	45.1	125
L-667700N 14200E/AC179 67700N 614200	8.8	10	<0.5	51.6	<1	<0.1	66.5	24
L-667700N 14250E/AC178 67700N 614250	10.2	12	<0.5	52.3	<1	<0.1	22.7	56
L-667700N 14300E/AC148 67700N 614300	2.7	8	<0.5	14.4	<1	<0.1	49.0	10
L-667700N 14350E/AC147 67700N 614350	1.8	10	<0.5	8.1	<1	<0.1	20.5	6
L-667700N 14400E/AC146 67700N 614400	0.3	10	<0.5	1.4	1	<0.1	9.2	<1
L-667700N 14450E/AC145 67700N 614450	2.7	16	<0.5	13.1	<1	<0.1	27.7	10
L-667700N 14500E/AC144 67700N 614500	2.5	26	<0.5	11.5	<1	<0.1	43.8	17
L-667700N 14550E/AC143 67700N 614550	6.8	12	<0.5	31.7	<1	<0.1	33.1	26
L-667700N 14600E/AC142 67700N 614600	0.3	6	<0.5	1.8	<1	<0.1	8.3	<1
L-667700N 14650E/AC141 67700N 614650	9.0	10	<0.5	50.2	<1	<0.1	105	31

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Element	Eu	Fe	Ga	Gd	Hg	In	K	La
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.2	1	0.5	0.5	1	0.1	0.5	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
L-667700N 14700E/AC140 67700N 614700	29.3	8	<0.5	160	<1	<0.1	60.9	130
L-667700N 14750E/AC139 67700N 614750	20.2	6	<0.5	113	<1	<0.1	108	60
L-667700N 14800E/AC138 67700N614800	2.1	7	<0.5	12.5	<1	<0.1	26.2	5
L-667700N 14850E/AC137 67700N614850	0.3	6	<0.5	1.9	<1	<0.1	18.4	<1

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Element Method Det.Lim. Units	Li GE_MMI_M 1 ppb	Mg GE_MMI_M 0.5 ppm	Mn GE_MMI_M 100 ppb	Mo GE_MMI_M 2 ppb	Nb GE_MMI_M 0.5 ppb	Nd GE_MMI_M 1 ppb	Ni GE_MMI_M 5 ppb	P GE_MMI_M 0.1 ppm
L-667500N 14050E/AC087 67500N 614050	2	262	7100	4	0.8	144	642	1.1
L-667500N 14100E/AC130 67500N 614100	<1	222	3200	4	<0.5	115	213	1.4
L-667500N 14150E/AC129 67500N 614150	<1	233	11200	5	<0.5	110	702	1.5
L-667500N 14200E/AC128 67500N 614200	<1	113	4000	2	<0.5	47	76	1.7
L-667500N 14250E/AC127 67500N 614250	<1	190	2200	3	<0.5	57	89	1.0
L-667500N 14300E/AC126 67500N 614300	<1	145	1000	2	<0.5	68	41	1.0
L-667500N 14350E/AC125 67500N 614350	<1	127	3700	3	<0.5	101	213	1.2
L-667500N 14400E/AC124 67500N 614400	<1	40.4	4500	4	<0.5	2	93	0.5
L-667500N 14450E/AC123 67500N 614450	2	46.1	2800	6	<0.5	4	67	0.8
L-667500N 14500E/AC122 67500N 614500	7	210	700	2660	<0.5	1	114	0.7
L-667500N 14550E/AC171 67500N 614550	6	198	2500	28	<0.5	28	299	2.9
L-667500N 14600E/AC170 67500N 614600	2	229	2000	11	0.8	59	779	3.6
L-667500N 14650E/AC169 67500N 614650	3	143	800	4	<0.5	62	649	2.9
L-667500N 14700E/AC168 67500N 614700	7	317	3200	6	<0.5	307	1070	2.1
L-667500N 14750E/AC167 67500N 614750	6	247	8200	4	<0.5	235	1230	1.7
L-667500N 14800E/AC166 67500N 614800	14	338	5200	3	<0.5	227	1300	1.3
L-667500N 14850E/AC082 67500N 614850	2	261	5000	3	<0.5	135	885	2.3
L-667500N 14900E/AC081 67500N 614900	<1	199	900	2	<0.5	1	158	0.7
L-667500N 14950E/AC080 67500N 614950	2	211	8700	4	<0.5	149	899	2.1
L-667500N 15000E/AC079 67500N 615000	<1	300	4700	5	<0.5	120	1050	3.0
L-667500N 15050E/AC037 67500N 615050	16	385	5500	<2	<0.5	187	2070	3.7
L-667500N 15100E/AC038 67500N 615100	7	411	3500	5	0.5	76	777	2.5
L-667500N 15150E/AC039 67500N 615150	<1	345	1000	2	<0.5	73	359	2.1
L-667600N 13450E/AC100 67600N 613450	6	277	2800	6	<0.5	10	489	4.0
L-667600N 13500E/AC101 67600N 613500	4	350	2500	<2	<0.5	62	617	2.7
L-667600N 13550E/AC102 67600N 613550	3	252	9300	9	<0.5	187	803	0.9
L-667600N 13600E/AC103 67600N 613600	14	127	1000	7	<0.5	5	545	0.7
L-667600N 13650E/AC104 67600N 613650	3	284	5400	13	<0.5	96	757	1.7
L-667600N 13700E/AC105 67600N 613700	<1	31.9	600	<2	<0.5	22	19	0.5
L-667600N 13750E/AC106 67600N 613750	<1	50.0	3200	<2	<0.5	9	137	1.2
L-667600N 13800E/AC107 67600N 613800	1	153	2600	<2	<0.5	41	178	2.2
L-667600N 13850E/AC108 67600N 613850	<1	177	2900	10	<0.5	61	250	1.0
L-667600N 13900E/AC109 67600N 613900	2	150	6700	4	<0.5	164	630	0.9
L-667600N 13950E/AC110 67600N 613950	1	200	3900	3	<0.5	215	665	1.6
L-667600N 14000E/AC111 67600N 614000	<1	213	8300	3	<0.5	113	698	2.0
L-667600N 14050E/AC112 67600N 614050	1	332	6700	2	<0.5	58	651	0.8
L-667600N 14100E/AC113 67600N 614100	2	253	3000	<2	<0.5	42	368	1.2
L-667600N 14150E/AC114 67600N 614150	<1	175	4600	10	<0.5	96	447	1.5
L-667600N 14200E/AC115 67600N 614200	<1	235	5500	4	<0.5	138	334	1.0
L-667600N 14250E/AC116 67600N 614250	<1	116	2700	3	<0.5	149	283	1.3

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Element Method Det.Lim. Units	Li GE_MMI_M 1 ppb	Mg GE_MMI_M 0.5 ppm	Mn GE_MMI_M 100 ppb	Mo GE_MMI_M 2 ppb	Nb GE_MMI_M 0.5 ppb	Nd GE_MMI_M 1 ppb	Ni GE_MMI_M 5 ppb	P GE_MMI_M 0.1 ppm
L-667600N 14300E/AC117 67600N 614300	<1	152	9700	9	<0.5	99	462	1.7
L-667600N 14350E/AC118 67600N 614350	1	70.0	5800	3	<0.5	6	108	0.4
L-667600N 14400E/AC119 67600N 614400	<1	<0.5	<100	<2	<0.5	<1	<5	<0.1
L-667600N 14450E/AC120 67600N 614450	<1	<0.5	<100	<2	<0.5	<1	<5	<0.1
L-667600N 14500E/AC121 67600N 614500	<1	<0.5	<100	<2	<0.5	<1	<5	<0.1
L-667600N 14550E/AC172 67600N 614550	<1	<0.5	<100	<2	<0.5	<1	<5	<0.1
L-667600N 14600E/AC173 67600N 614600	<1	<0.5	<100	<2	<0.5	<1	<5	<0.1
L-667600N 14650E/AC174 67600N 614650	3	311	1700	7	<0.5	13	735	1.9
L-667600N 14700E/AC175 67600N 614700	2	238	2400	5	<0.5	158	1040	1.8
L-667600N 14750E/AC176 67600N 614750	6	183	2700	<2	<0.5	107	1230	3.5
L-667600N 14800E/AC177 67600N 614800	5	388	5300	4	<0.5	76	1640	2.2
L-667600N 14850E/AC083 67600N 614850	8	351	7300	<2	<0.5	169	1520	1.4
L-667600N 14900E/AC084 67600N 614900	<1	295	500	<2	<0.5	1	127	0.6
L-667600N 14950E/AC085 67600N 614950	<1	385	7100	<2	<0.5	92	1140	1.5
L-667600N 15000E/AC086 67600N 615000	3	314	6300	14	0.5	142	1570	0.9
L-667600N 15050E/AC042 67600N 615050	7	207	1600	7	0.8	193	714	2.9
L-667600N 15100E/AC041 67600N 615100	5	374	1700	3	<0.5	71	569	2.1
L-667600N 15150E/AC040 67600N 615150	1	330	1000	<2	<0.5	25	518	2.0
L-667700N 13600E/AC191 67700N 613600	1	167	800	11	<0.5	3	472	1.3
L-667700N 13650E/AC190 67700N 613650	<1	174	3300	6	<0.5	77	555	1.3
L-667700N 13700E/AC189 67700N 613700	<1	180	2100	3	<0.5	81	153	1.0
L-667700N 13750E/AC188 67700N 613750	<1	207	2300	3	<0.5	145	230	0.6
L-667700N 13800E/AC187 67700N 613800	<1	270	2700	<2	<0.5	44	341	1.0
L-667700N 13850E/AC186 67700N 613850	<1	235	2400	3	<0.5	37	122	1.4
L-667700N 13900E/AC185 67700N 613900	<1	165	1400	<2	<0.5	20	74	1.1
L-667700N 13950E/AC184 67700N 613950	<1	94.1	1900	4	<0.5	21	48	1.4
L-667700N 14000E/AC183 67700N 614000	<1	49.9	900	<2	<0.5	11	59	0.7
L-667700N 14050E/AC182 67700N 614050	2	60.4	2700	<2	<0.5	12	80	0.3
L-667700N 14100E/AC181 67700N 614100	1	183	2600	5	<0.5	98	356	1.4
L-667700N 14150E/AC180 67700N 614150	3	184	4700	4	<0.5	300	905	0.6
L-667700N 14200E/AC179 67700N 614200	2	150	4200	4	<0.5	83	587	2.3
L-667700N 14250E/AC178 67700N 614250	1	216	7800	7	<0.5	126	480	0.7
L-667700N 14300E/AC148 67700N 614300	<1	182	3300	6	<0.5	28	368	0.9
L-667700N 14350E/AC147 67700N 614350	14	151	3500	21	<0.5	18	243	0.6
L-667700N 14400E/AC146 67700N 614400	4	26.3	4500	7	<0.5	<1	141	0.3
L-667700N 14450E/AC145 67700N 614450	19	144	2500	12	<0.5	29	230	0.8
L-667700N 14500E/AC144 67700N 614500	2	186	2500	31	<0.5	37	380	0.7
L-667700N 14550E/AC143 67700N 614550	2	317	9900	15	<0.5	72	1150	1.4
L-667700N 14600E/AC142 67700N 614600	3	297	1500	5	<0.5	2	231	0.7
L-667700N 14650E/AC141 67700N 614650	1	272	1300	3	<0.5	92	649	3.1

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Element	Li	Mg	Mn	Mo	Nb	Nd	Ni	P
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	100	2	0.5	1	5	0.1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppm
L-667700N 14700E/AC140 67700N 614700	24	306	3200	5	<0.5	344	992	1.4
L-667700N 14750E/AC139 67700N 614750	8	348	6300	2	<0.5	196	1900	2.9
L-667700N 14800E/AC138 67700N614800	7	309	800	4	<0.5	18	699	1.6
L-667700N 14850E/AC137 67700N614850	6	389	1600	4	<0.5	2	679	1.6

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Element Method Det.Lim. Units	Pb GE_MMI_M 5 ppb	Pd GE_MMI_M 1 ppb	Pr GE_MMI_M 0.5 ppb	Pt GE_MMI_M 0.1 ppb	Rb GE_MMI_M 1 ppb	Sb GE_MMI_M 0.5 ppb	Sc GE_MMI_M 5 ppb	Sm GE_MMI_M 1 ppb
L-667500N 14050E/AC087 67500N 614050	24	<1	25.1	<0.1	45	1.1	25	46
L-667500N 14100E/AC130 67500N 614100	27	<1	19.0	<0.1	29	<0.5	29	36
L-667500N 14150E/AC129 67500N 614150	19	<1	18.5	<0.1	36	<0.5	19	39
L-667500N 14200E/AC128 67500N 614200	17	<1	8.4	<0.1	17	<0.5	17	13
L-667500N 14250E/AC127 67500N 614250	17	<1	10.0	<0.1	21	<0.5	19	21
L-667500N 14300E/AC126 67500N 614300	22	<1	12.1	<0.1	35	<0.5	17	22
L-667500N 14350E/AC125 67500N 614350	20	<1	19.5	<0.1	64	<0.5	21	32
L-667500N 14400E/AC124 67500N 614400	<5	<1	<0.5	<0.1	8	<0.5	<5	<1
L-667500N 14450E/AC123 67500N 614450	<5	<1	0.5	<0.1	18	<0.5	9	2
L-667500N 14500E/AC122 67500N 614500	19	<1	<0.5	<0.1	3	11.8	<5	<1
L-667500N 14550E/AC171 67500N 614550	6	<1	4.5	<0.1	14	<0.5	8	9
L-667500N 14600E/AC170 67500N 614600	12	<1	10.9	<0.1	82	<0.5	13	19
L-667500N 14650E/AC169 67500N 614650	8	<1	10.8	<0.1	43	<0.5	8	19
L-667500N 14700E/AC168 67500N 614700	8	<1	52.8	<0.1	94	<0.5	18	100
L-667500N 14750E/AC167 67500N 614750	17	<1	43.3	<0.1	54	<0.5	20	74
L-667500N 14800E/AC166 67500N 614800	16	<1	35.7	<0.1	43	<0.5	20	88
L-667500N 14850E/AC082 67500N 614850	9	<1	22.6	<0.1	40	<0.5	17	44
L-667500N 14900E/AC081 67500N 614900	7	<1	<0.5	<0.1	14	<0.5	<5	<1
L-667500N 14950E/AC080 67500N 614950	6	<1	28.7	<0.1	71	<0.5	16	42
L-667500N 15000E/AC079 67500N 615000	8	<1	22.3	<0.1	61	<0.5	16	39
L-667500N 15050E/AC037 67500N 615050	7	<1	29.7	<0.1	79	<0.5	28	72
L-667500N 15100E/AC038 67500N 615100	5	<1	10.6	<0.1	63	<0.5	17	33
L-667500N 15150E/AC039 67500N 615150	<5	<1	11.1	<0.1	41	<0.5	12	26
L-667600N 13450E/AC100 67600N 613450	8	<1	1.4	<0.1	5	<0.5	7	5
L-667600N 13500E/AC101 67600N 613500	34	<1	9.5	<0.1	<1	<0.5	8	26
L-667600N 13550E/AC102 67600N 613550	25	<1	33.4	<0.1	31	<0.5	17	59
L-667600N 13600E/AC103 67600N 613600	<5	<1	0.9	<0.1	15	<0.5	<5	2
L-667600N 13650E/AC104 67600N 613650	15	<1	13.7	<0.1	44	<0.5	8	40
L-667600N 13700E/AC105 67600N 613700	<5	<1	3.8	<0.1	24	<0.5	18	6
L-667600N 13750E/AC106 67600N 613750	6	<1	1.5	<0.1	16	<0.5	<5	3
L-667600N 13800E/AC107 67600N 613800	12	<1	6.7	<0.1	9	<0.5	8	12
L-667600N 13850E/AC108 67600N 613850	7	<1	10.5	<0.1	44	<0.5	11	19
L-667600N 13900E/AC109 67600N 613900	40	<1	30.8	<0.1	49	<0.5	21	52
L-667600N 13950E/AC110 67600N 613950	28	<1	36.5	<0.1	15	<0.5	27	74
L-667600N 14000E/AC111 67600N 614000	22	<1	17.8	<0.1	26	<0.5	15	36
L-667600N 14050E/AC112 67600N 614050	15	<1	8.4	<0.1	12	<0.5	13	23
L-667600N 14100E/AC113 67600N 614100	15	<1	6.3	<0.1	7	<0.5	10	15
L-667600N 14150E/AC114 67600N 614150	22	<1	15.1	<0.1	31	<0.5	9	34
L-667600N 14200E/AC115 67600N 614200	28	<1	22.4	<0.1	9	<0.5	25	49
L-667600N 14250E/AC116 67600N 614250	17	<1	28.1	<0.1	45	<0.5	22	44

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Element Method Det.Lim. Units	Pb GE_MMI_M 5 ppb	Pd GE_MMI_M 1 ppb	Pr GE_MMI_M 0.5 ppb	Pt GE_MMI_M 0.1 ppb	Rb GE_MMI_M 1 ppb	Sb GE_MMI_M 0.5 ppb	Sc GE_MMI_M 5 ppb	Sm GE_MMI_M 1 ppb
L-667600N 14300E/AC117 67600N 614300	10	<1	18.4	<0.1	60	<0.5	14	27
L-667600N 14350E/AC118 67600N 614350	<5	<1	0.9	<0.1	5	<0.5	13	3
L-667600N 14400E/AC119 67600N 614400	<5	<1	<0.5	<0.1	<1	0.5	<5	<1
L-667600N 14450E/AC120 67600N 614450	<5	<1	<0.5	<0.1	<1	<0.5	<5	<1
L-667600N 14500E/AC121 67600N 614500	<5	<1	<0.5	<0.1	<1	<0.5	<5	<1
L-667600N 14550E/AC172 67600N 614550	<5	<1	<0.5	<0.1	<1	<0.5	<5	<1
L-667600N 14600E/AC173 67600N 614600	<5	<1	<0.5	<0.1	<1	<0.5	<5	<1
L-667600N 14650E/AC174 67600N 614650	<5	<1	1.9	<0.1	12	<0.5	6	5
L-667600N 14700E/AC175 67600N 614700	10	<1	28.1	<0.1	31	<0.5	18	44
L-667600N 14750E/AC176 67600N 614750	18	<1	19.5	<0.1	136	<0.5	16	33
L-667600N 14800E/AC177 67600N 614800	7	<1	12.2	<0.1	26	<0.5	9	25
L-667600N 14850E/AC083 67600N 614850	14	<1	24.7	<0.1	45	<0.5	12	74
L-667600N 14900E/AC084 67600N 614900	5	<1	<0.5	<0.1	8	<0.5	<5	<1
L-667600N 14950E/AC085 67600N 614950	14	<1	13.5	<0.1	20	<0.5	11	37
L-667600N 15000E/AC086 67600N 615000	11	<1	24.6	<0.1	36	<0.5	24	48
L-667600N 15050E/AC042 67600N 615050	11	<1	34.5	<0.1	67	<0.5	16	57
L-667600N 15100E/AC041 67600N 615100	<5	<1	11.8	<0.1	58	<0.5	8	22
L-667600N 15150E/AC040 67600N 615150	<5	<1	4.0	<0.1	18	<0.5	6	8
L-667700N 13600E/AC191 67700N 613600	8	<1	<0.5	<0.1	29	<0.5	<5	1
L-667700N 13650E/AC190 67700N 613650	24	<1	12.7	<0.1	38	<0.5	13	27
L-667700N 13700E/AC189 67700N 613700	16	<1	13.2	<0.1	22	<0.5	12	32
L-667700N 13750E/AC188 67700N 613750	9	<1	22.7	<0.1	23	<0.5	14	51
L-667700N 13800E/AC187 67700N 613800	<5	<1	7.0	<0.1	14	<0.5	7	14
L-667700N 13850E/AC186 67700N 613850	<5	<1	5.9	<0.1	27	<0.5	14	15
L-667700N 13900E/AC185 67700N 613900	<5	<1	3.0	<0.1	30	<0.5	13	8
L-667700N 13950E/AC184 67700N 613950	<5	<1	3.4	<0.1	96	<0.5	15	6
L-667700N 14000E/AC183 67700N 614000	<5	<1	1.4	<0.1	16	<0.5	5	5
L-667700N 14050E/AC182 67700N 614050	12	<1	1.7	<0.1	19	<0.5	<5	7
L-667700N 14100E/AC181 67700N 614100	17	<1	15.9	<0.1	9	<0.5	10	29
L-667700N 14150E/AC180 67700N 614150	55	<1	58.8	<0.1	49	<0.5	37	100
L-667700N 14200E/AC179 67700N 614200	25	<1	13.3	<0.1	11	<0.5	12	32
L-667700N 14250E/AC178 67700N 614250	32	<1	23.7	<0.1	42	<0.5	22	39
L-667700N 14300E/AC148 67700N 614300	11	<1	4.8	<0.1	38	<0.5	11	10
L-667700N 14350E/AC147 67700N 614350	6	<1	2.9	<0.1	15	<0.5	9	6
L-667700N 14400E/AC146 67700N 614400	9	<1	<0.5	<0.1	5	0.7	7	<1
L-667700N 14450E/AC145 67700N 614450	16	<1	4.6	<0.1	9	<0.5	14	9
L-667700N 14500E/AC144 67700N 614500	197	<1	7.0	<0.1	35	0.9	11	9
L-667700N 14550E/AC143 67700N 614550	16	<1	13.1	<0.1	28	<0.5	16	22
L-667700N 14600E/AC142 67700N 614600	<5	<1	<0.5	<0.1	9	<0.5	<5	<1
L-667700N 14650E/AC141 67700N 614650	6	<1	14.4	<0.1	22	<0.5	13	31

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Element Method Det.Lim. Units	Pb GE_MMI_M 5 ppb	Pd GE_MMI_M 1 ppb	Pr GE_MMI_M 0.5 ppb	Pt GE_MMI_M 0.1 ppb	Rb GE_MMI_M 1 ppb	Sb GE_MMI_M 0.5 ppb	Sc GE_MMI_M 5 ppb	Sm GE_MMI_M 1 ppb
L-667700N 14700E/AC140 67700N 614700	18	<1	58.0	<0.1	53	<0.5	24	114
L-667700N 14750E/AC139 67700N 614750	22	<1	32.1	<0.1	60	<0.5	13	72
L-667700N 14800E/AC138 67700N614800	<5	<1	2.9	<0.1	25	<0.5	6	7
L-667700N 14850E/AC137 67700N614850	<5	<1	<0.5	<0.1	7	<0.5	5	<1

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Element Method Det.Lim. Units	Sn GE_MMI_M 1 ppb	Sr GE_MMI_M 10 ppb	Ta GE_MMI_M 1 ppb	Tb GE_MMI_M 0.1 ppb	Te GE_MMI_M 10 ppb	Th GE_MMI_M 0.5 ppb	Ti GE_MMI_M 10 ppb	Tl GE_MMI_M 0.1 ppb
L-667500N 14050E/AC087 67500N 614050	<1	4850	<1	9.9	<10	12.2	<10	0.1
L-667500N 14100E/AC130 67500N 614100	<1	4720	<1	7.1	<10	7.3	<10	0.1
L-667500N 14150E/AC129 67500N 614150	<1	4020	<1	9.1	<10	8.6	<10	0.1
L-667500N 14200E/AC128 67500N 614200	<1	5440	<1	2.5	<10	5.4	<10	<0.1
L-667500N 14250E/AC127 67500N 614250	<1	8480	<1	4.3	<10	3.4	<10	<0.1
L-667500N 14300E/AC126 67500N 614300	<1	9660	<1	4.0	<10	3.7	<10	<0.1
L-667500N 14350E/AC125 67500N 614350	<1	4150	<1	6.0	<10	4.3	<10	0.1
L-667500N 14400E/AC124 67500N 614400	<1	1900	<1	0.3	<10	<0.5	<10	<0.1
L-667500N 14450E/AC123 67500N 614450	<1	1050	<1	0.5	<10	<0.5	<10	<0.1
L-667500N 14500E/AC122 67500N 614500	<1	2250	<1	0.1	<10	<0.5	<10	<0.1
L-667500N 14550E/AC171 67500N 614550	<1	4160	<1	1.8	<10	1.5	<10	<0.1
L-667500N 14600E/AC170 67500N 614600	<1	4070	<1	3.7	<10	5.1	10	0.1
L-667500N 14650E/AC169 67500N 614650	<1	2940	<1	3.4	<10	4.1	<10	<0.1
L-667500N 14700E/AC168 67500N 614700	<1	4080	<1	18.6	<10	13.5	<10	0.1
L-667500N 14750E/AC167 67500N 614750	<1	3790	<1	13.7	<10	18.3	20	<0.1
L-667500N 14800E/AC166 67500N 614800	<1	4250	<1	21.7	<10	10.8	<10	0.2
L-667500N 14850E/AC082 67500N 614850	<1	3650	<1	8.9	<10	10.0	40	<0.1
L-667500N 14900E/AC081 67500N 614900	<1	3700	<1	0.2	<10	<0.5	<10	<0.1
L-667500N 14950E/AC080 67500N 614950	<1	3440	<1	7.6	<10	10.5	30	0.1
L-667500N 15000E/AC079 67500N 615000	<1	3560	<1	7.2	<10	10.8	10	0.1
L-667500N 15050E/AC037 67500N 615050	<1	4040	<1	16.2	<10	14.0	10	<0.1
L-667500N 15100E/AC038 67500N 615100	<1	2890	<1	9.4	<10	4.0	20	<0.1
L-667500N 15150E/AC039 67500N 615150	<1	5000	<1	5.6	<10	3.7	<10	<0.1
L-667600N 13450E/AC100 67600N 613450	<1	3930	<1	1.3	<10	0.5	<10	<0.1
L-667600N 13500E/AC101 67600N 613500	<1	4530	<1	6.6	<10	3.7	<10	<0.1
L-667600N 13550E/AC102 67600N 613550	<1	4680	<1	11.1	<10	16.8	<10	0.1
L-667600N 13600E/AC103 67600N 613600	<1	2470	<1	0.4	<10	1.2	<10	<0.1
L-667600N 13650E/AC104 67600N 613650	<1	4210	<1	9.8	<10	4.7	<10	<0.1
L-667600N 13700E/AC105 67600N 613700	<1	1030	<1	1.0	<10	1.4	<10	<0.1
L-667600N 13750E/AC106 67600N 613750	<1	2340	<1	0.5	<10	1.0	<10	<0.1
L-667600N 13800E/AC107 67600N 613800	<1	3770	<1	2.4	<10	2.9	<10	<0.1
L-667600N 13850E/AC108 67600N 613850	<1	3110	<1	3.4	<10	6.4	<10	<0.1
L-667600N 13900E/AC109 67600N 613900	<1	3980	<1	10.1	<10	12.2	<10	<0.1
L-667600N 13950E/AC110 67600N 613950	<1	4570	<1	16.5	<10	8.6	<10	<0.1
L-667600N 14000E/AC111 67600N 614000	<1	4310	<1	8.2	<10	6.9	<10	<0.1
L-667600N 14050E/AC112 67600N 614050	<1	4970	<1	6.4	<10	3.3	<10	<0.1
L-667600N 14100E/AC113 67600N 614100	<1	4950	<1	3.7	<10	1.6	<10	<0.1
L-667600N 14150E/AC114 67600N 614150	<1	3900	<1	7.6	<10	4.5	<10	<0.1
L-667600N 14200E/AC115 67600N 614200	<1	4840	<1	11.9	<10	4.5	<10	<0.1
L-667600N 14250E/AC116 67600N 614250	<1	2890	<1	7.3	<10	7.2	<10	<0.1

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L-667600N 14300E/AC117 67600N 614300	<1	3060	<1	4.4	<10	8.7	10	0.1
L-667600N 14350E/AC118 67600N 614350	<1	1400	<1	0.8	<10	0.8	<10	<0.1
L-667600N 14400E/AC119 67600N 614400	<1	<10	<1	<0.1	80	<0.5	<10	<0.1
L-667600N 14450E/AC120 67600N 614450	<1	<10	<1	<0.1	40	<0.5	<10	<0.1
L-667600N 14500E/AC121 67600N 614500	<1	<10	<1	<0.1	30	<0.5	<10	<0.1
L-667600N 14550E/AC172 67600N 614550	<1	<10	<1	<0.1	20	<0.5	<10	<0.1
L-667600N 14600E/AC173 67600N 614600	<1	<10	<1	<0.1	20	<0.5	<10	<0.1
L-667600N 14650E/AC174 67600N 614650	<1	4760	<1	1.3	<10	0.8	<10	<0.1
L-667600N 14700E/AC175 67600N 614700	<1	3840	<1	8.5	<10	9.4	<10	<0.1
L-667600N 14750E/AC176 67600N 614750	<1	2550	<1	6.3	<10	5.6	30	<0.1
L-667600N 14800E/AC177 67600N 614800	<1	3900	<1	5.4	<10	6.4	<10	<0.1
L-667600N 14850E/AC083 67600N 614850	<1	4030	<1	19.1	<10	10.0	<10	<0.1
L-667600N 14900E/AC084 67600N 614900	<1	3880	<1	0.2	<10	<0.5	<10	<0.1
L-667600N 14950E/AC085 67600N 614950	<1	4510	<1	9.4	<10	4.5	<10	<0.1
L-667600N 15000E/AC086 67600N 615000	<1	4180	<1	11.1	<10	10.3	<10	0.4
L-667600N 15050E/AC042 67600N 615050	<1	3450	<1	9.5	<10	14.3	20	<0.1
L-667600N 15100E/AC041 67600N 615100	<1	2360	<1	3.9	<10	6.0	10	<0.1
L-667600N 15150E/AC040 67600N 615150	<1	2350	<1	1.5	<10	2.1	<10	<0.1
L-667700N 13600E/AC191 67700N 613600	<1	3080	<1	0.4	<10	<0.5	<10	<0.1
L-667700N 13650E/AC190 67700N 613650	<1	4510	<1	5.4	<10	5.2	<10	<0.1
L-667700N 13700E/AC189 67700N 613700	<1	4980	<1	6.1	<10	4.3	<10	<0.1
L-667700N 13750E/AC188 67700N 613750	<1	5260	<1	9.8	<10	6.9	<10	<0.1
L-667700N 13800E/AC187 67700N 613800	<1	3210	<1	2.3	<10	3.3	<10	<0.1
L-667700N 13850E/AC186 67700N 613850	<1	4830	<1	3.3	<10	1.7	<10	<0.1
L-667700N 13900E/AC185 67700N 613900	<1	5640	<1	1.8	<10	1.3	<10	<0.1
L-667700N 13950E/AC184 67700N 613950	<1	2840	<1	1.3	<10	1.8	<10	<0.1
L-667700N 14000E/AC183 67700N 614000	<1	1770	<1	1.5	<10	<0.5	<10	<0.1
L-667700N 14050E/AC182 67700N 614050	<1	1960	<1	2.2	<10	<0.5	<10	<0.1
L-667700N 14100E/AC181 67700N 614100	<1	4250	<1	5.7	<10	4.9	<10	<0.1
L-667700N 14150E/AC180 67700N 614150	<1	2940	<1	19.6	<10	9.6	<10	<0.1
L-667700N 14200E/AC179 67700N 614200	<1	3330	<1	7.1	<10	3.8	<10	<0.1
L-667700N 14250E/AC178 67700N 614250	<1	3830	<1	7.4	<10	10.6	<10	0.1
L-667700N 14300E/AC148 67700N 614300	<1	3540	<1	1.9	<10	2.2	<10	<0.1
L-667700N 14350E/AC147 67700N 614350	<1	3290	<1	1.2	<10	1.6	<10	<0.1
L-667700N 14400E/AC146 67700N 614400	<1	1210	<1	0.2	<10	<0.5	<10	<0.1
L-667700N 14450E/AC145 67700N 614450	<1	3510	<1	1.9	<10	2.1	<10	<0.1
L-667700N 14500E/AC144 67700N 614500	<1	3440	<1	1.7	<10	2.8	<10	<0.1
L-667700N 14550E/AC143 67700N 614550	<1	4260	<1	4.5	<10	6.9	10	0.1
L-667700N 14600E/AC142 67700N 614600	<1	4430	<1	0.3	<10	<0.5	<10	<0.1
L-667700N 14650E/AC141 67700N 614650	<1	5690	<1	6.8	<10	4.6	50	<0.1

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Element Method Det.Lim. Units	Sn GE_MMI_M 1 ppb	Sr GE_MMI_M 10 ppb	Ta GE_MMI_M 1 ppb	Tb GE_MMI_M 0.1 ppb	Te GE_MMI_M 10 ppb	Th GE_MMI_M 0.5 ppb	Ti GE_MMI_M 10 ppb	Tl GE_MMI_M 0.1 ppb
L-667700N 14700E/AC140 67700N 614700	<1	4040	<1	22.6	<10	16.0	<10	<0.1
L-667700N 14750E/AC139 67700N 614750	<1	3720	<1	16.4	<10	14.5	10	<0.1
L-667700N 14800E/AC138 67700N614800	<1	3560	<1	1.9	<10	1.3	<10	<0.1
L-667700N 14850E/AC137 67700N614850	<1	4300	<1	0.3	<10	<0.5	10	<0.1

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Element Method Det.Lim. Units	U GE_MMI_M 0.5 ppb	W GE_MMI_M 0.5 ppb	Y GE_MMI_M 1 ppb	Yb GE_MMI_M 0.2 ppb	Zn GE_MMI_M 10 ppb	Zr GE_MMI_M 2 ppb
L-667500N 14050E/AC087 67500N 614050	28.5	0.5	319	24.8	120	42
L-667500N 14100E/AC130 67500N 614100	15.2	<0.5	245	16.0	80	23
L-667500N 14150E/AC129 67500N 614150	16.5	<0.5	299	20.9	70	28
L-667500N 14200E/AC128 67500N 614200	6.8	<0.5	84	6.1	110	13
L-667500N 14250E/AC127 67500N 614250	6.2	<0.5	140	9.2	200	10
L-667500N 14300E/AC126 67500N 614300	9.1	<0.5	139	9.3	200	15
L-667500N 14350E/AC125 67500N 614350	6.9	<0.5	217	15.6	690	19
L-667500N 14400E/AC124 67500N 614400	<0.5	<0.5	14	1.2	40	<2
L-667500N 14450E/AC123 67500N 614450	<0.5	<0.5	22	1.7	70	<2
L-667500N 14500E/AC122 67500N 614500	277	<0.5	5	0.3	30	<2
L-667500N 14550E/AC171 67500N 614550	11.2	<0.5	65	4.5	70	17
L-667500N 14600E/AC170 67500N 614600	22.2	<0.5	111	8.9	80	38
L-667500N 14650E/AC169 67500N 614650	6.0	<0.5	116	7.3	190	12
L-667500N 14700E/AC168 67500N 614700	13.3	<0.5	616	39.0	320	26
L-667500N 14750E/AC167 67500N 614750	14.9	<0.5	467	31.7	380	53
L-667500N 14800E/AC166 67500N 614800	17.6	<0.5	714	56.7	140	32
L-667500N 14850E/AC082 67500N 614850	20.3	<0.5	305	21.2	90	33
L-667500N 14900E/AC081 67500N 614900	7.0	<0.5	7	1.0	30	14
L-667500N 14950E/AC080 67500N 614950	11.1	<0.5	216	16.0	210	36
L-667500N 15000E/AC079 67500N 615000	14.1	<0.5	220	15.4	390	38
L-667500N 15050E/AC037 67500N 615050	28.0	<0.5	568	44.6	220	75
L-667500N 15100E/AC038 67500N 615100	31.7	<0.5	325	27.1	130	28
L-667500N 15150E/AC039 67500N 615150	24.7	<0.5	205	12.8	80	19
L-667600N 13450E/AC100 67600N 613450	6.7	<0.5	51	4.7	90	21
L-667600N 13500E/AC101 67600N 613500	7.8	<0.5	229	14.5	170	16
L-667600N 13550E/AC102 67600N 613550	19.2	<0.5	337	22.8	160	35
L-667600N 13600E/AC103 67600N 613600	3.6	<0.5	16	1.3	50	4
L-667600N 13650E/AC104 67600N 613650	13.0	<0.5	288	19.3	70	14
L-667600N 13700E/AC105 67600N 613700	2.1	<0.5	29	1.9	50	3
L-667600N 13750E/AC106 67600N 613750	3.1	<0.5	16	1.3	20	7
L-667600N 13800E/AC107 67600N 613800	7.1	<0.5	86	5.7	70	16
L-667600N 13850E/AC108 67600N 613850	5.8	<0.5	110	6.7	120	15
L-667600N 13900E/AC109 67600N 613900	9.2	<0.5	322	23.1	560	43
L-667600N 13950E/AC110 67600N 613950	19.3	<0.5	569	36.8	120	32
L-667600N 14000E/AC111 67600N 614000	16.6	<0.5	273	18.5	200	21
L-667600N 14050E/AC112 67600N 614050	17.1	<0.5	206	15.8	50	12
L-667600N 14100E/AC113 67600N 614100	14.2	<0.5	134	7.4	60	6
L-667600N 14150E/AC114 67600N 614150	14.1	<0.5	228	13.6	90	14
L-667600N 14200E/AC115 67600N 614200	21.6	<0.5	439	27.2	180	20
L-667600N 14250E/AC116 67600N 614250	7.7	<0.5	255	16.9	540	28

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Element Method Det.Lim. Units	U GE_MMI_M 0.5 ppb	W GE_MMI_M 0.5 ppb	Y GE_MMI_M 1 ppb	Yb GE_MMI_M 0.2 ppb	Zn GE_MMI_M 10 ppb	Zr GE_MMI_M 2 ppb
L-667600N 14300E/AC117 67600N 614300	8.2	<0.5	138	8.8	350	28
L-667600N 14350E/AC118 67600N 614350	0.7	<0.5	38	2.7	90	4
L-667600N 14400E/AC119 67600N 614400	<0.5	0.9	<1	<0.2	<10	<2
L-667600N 14450E/AC120 67600N 614450	<0.5	<0.5	<1	<0.2	<10	<2
L-667600N 14500E/AC121 67600N 614500	<0.5	<0.5	<1	<0.2	<10	<2
L-667600N 14550E/AC172 67600N 614550	<0.5	<0.5	<1	<0.2	<10	<2
L-667600N 14600E/AC173 67600N 614600	<0.5	<0.5	<1	<0.2	<10	<2
L-667600N 14650E/AC174 67600N 614650	14.6	<0.5	51	4.0	90	17
L-667600N 14700E/AC175 67600N 614700	13.2	<0.5	314	19.9	690	35
L-667600N 14750E/AC176 67600N 614750	2.3	<0.5	204	13.9	2000	22
L-667600N 14800E/AC177 67600N 614800	23.9	<0.5	171	11.8	150	28
L-667600N 14850E/AC083 67600N 614850	25.7	<0.5	614	42.8	120	30
L-667600N 14900E/AC084 67600N 614900	4.6	<0.5	6	0.8	20	9
L-667600N 14950E/AC085 67600N 614950	21.4	<0.5	333	21.3	80	18
L-667600N 15000E/AC086 67600N 615000	38.6	<0.5	341	27.6	110	54
L-667600N 15050E/AC042 67600N 615050	18.5	<0.5	298	19.7	270	53
L-667600N 15100E/AC041 67600N 615100	25.0	<0.5	137	9.5	160	24
L-667600N 15150E/AC040 67600N 615150	28.8	<0.5	51	4.1	90	19
L-667700N 13600E/AC191 67700N 613600	2.3	<0.5	15	1.7	20	9
L-667700N 13650E/AC190 67700N 613650	9.7	<0.5	173	10.4	100	14
L-667700N 13700E/AC189 67700N 613700	15.3	<0.5	212	11.7	150	11
L-667700N 13750E/AC188 67700N 613750	8.7	<0.5	344	17.1	110	10
L-667700N 13800E/AC187 67700N 613800	12.3	<0.5	77	5.4	60	15
L-667700N 13850E/AC186 67700N 613850	4.0	<0.5	127	7.4	260	5
L-667700N 13900E/AC185 67700N 613900	2.0	<0.5	71	4.5	70	3
L-667700N 13950E/AC184 67700N 613950	1.9	<0.5	48	3.2	60	4
L-667700N 14000E/AC183 67700N 614000	0.7	<0.5	51	3.8	40	<2
L-667700N 14050E/AC182 67700N 614050	2.0	<0.5	86	7.4	20	3
L-667700N 14100E/AC181 67700N 614100	13.6	<0.5	183	10.4	70	16
L-667700N 14150E/AC180 67700N 614150	22.3	<0.5	684	48.7	180	51
L-667700N 14200E/AC179 67700N 614200	18.3	<0.5	246	15.1	150	19
L-667700N 14250E/AC178 67700N 614250	19.2	<0.5	222	14.9	90	32
L-667700N 14300E/AC148 67700N 614300	9.5	<0.5	65	3.8	130	9
L-667700N 14350E/AC147 67700N 614350	9.1	<0.5	37	2.6	160	9
L-667700N 14400E/AC146 67700N 614400	1.0	<0.5	12	1.1	470	<2
L-667700N 14450E/AC145 67700N 614450	9.4	<0.5	73	5.9	420	9
L-667700N 14500E/AC144 67700N 614500	10.9	<0.5	61	4.6	360	14
L-667700N 14550E/AC143 67700N 614550	14.2	<0.5	145	11.4	340	23
L-667700N 14600E/AC142 67700N 614600	6.4	<0.5	10	1.3	30	9
L-667700N 14650E/AC141 67700N 614650	22.7	<0.5	274	15.0	150	29

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Final : VC150763 Order: ASHTON COPPER 208 MMI Samples 2/3

Report File No.: 0000011623

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb	ppb
L-667700N 14700E/AC140 67700N 614700	17.5	<0.5	697	45.7	130	32
L-667700N 14750E/AC139 67700N 614750	17.9	<0.5	544	34.2	350	34
L-667700N 14800E/AC138 67700N614800	17.9	<0.5	72	6.3	40	19
L-667700N 14850E/AC137 67700N614850	18.5	<0.5	13	1.8	20	15

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**Certificate of Analysis**  
**Work Order : VC150764**  
**[Report File No.: 0000011624]**

**Date:** June 30, 2015

**To: DAVID MARK**  
**GEOTRONICS CONSULTING INC.**  
6204-125th ST  
SURREY BC V3X 2E1

**P.O. No.:** ASHTON COPPER 208 MMI Samples 3/3  
**Project No.:** -  
**Samples:** 40  
**Received:** Apr 13, 2015  
**Pages:** Page 1 to 8  
(Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
40	G_LOG02	Pre-preparation processing, sorting, logging, boxing
40	G_WGH79	Weighing of samples and reporting of weights
40	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

**Storage: Pulp & Reject**

PULP STORAGE : DISCARD

Certified By :

Cam Chiang  
Assistant Operations Manager

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	WtKg G_WGH79 0.01 kg	Ag GE_MMI_M 0.5 ppb	Al GE_MMI_M 1 ppm	As GE_MMI_M 10 ppb	Au GE_MMI_M 0.1 ppb	Ba GE_MMI_M 10 ppb	Bi GE_MMI_M 0.5 ppb	Ca GE_MMI_M 2 ppm
L-667700N 14900E/AC136 67700N614900	0.595	4.2	11	<10	<0.1	840	<0.5	867
L-667700N 14950E/AC135 67700N614950	0.610	5.5	21	<10	<0.1	1010	<0.5	562
L-667700N 15000E/AC134 67700N615000	0.600	8.4	15	<10	<0.1	590	<0.5	789
L-667700N 15050E/AC133 67700N615050	0.480	4.0	10	<10	<0.1	360	<0.5	894
L-667700N 15100E/AC132 67700N 615100	0.815	6.1	7	<10	<0.1	140	<0.5	814
L-667700N 15150E/AC131 67700N 615150	0.905	49.3	9	<10	0.4	330	<0.5	1070
L-667800N 13450E/AC192 67800N 613450	0.635	53.0	19	<10	0.5	1450	<0.5	915
L-667800N 13500E/AC193 67800N 613500	0.820	23.8	27	20	0.5	480	<0.5	450
L-667800N 13550E/AC194 67800N 613550	0.740	15.7	11	10	0.6	540	<0.5	797
L-667800N 13600E/AC195 67800N 613600	0.640	15.7	9	<10	<0.1	850	<0.5	684
L-667800N 13650E/AC196 67800N 613650	0.710	18.1	7	10	0.2	590	<0.5	840
L-667800N 13700E/AC197 67800N 613700	0.785	6.5	11	30	0.4	1540	<0.5	788
L-667800N 13750E/AC198 67800N 613750	0.925	11.1	6	<10	1.1	1540	<0.5	879
L-667800N 13800E/AC199 67800N 613800	0.605	26.6	10	<10	6.1	260	<0.5	560
L-667800N 13850E/AC200 67800N 613850	0.915	5.0	9	<10	0.4	1450	<0.5	729
L-667800N 13900E/AC201 67800N 613900	1.020	5.0	9	10	0.4	470	<0.5	473
L-667800N 13950E/AC202 67800N 613950	0.950	5.8	11	<10	0.3	340	<0.5	385
L-667800N 14000E/AC203 67800N 614000	0.705	28.6	9	60	0.4	7070	<0.5	1100
L-667800N 14050E/AC204 67800N 614050	0.755	7.0	9	<10	0.7	1070	<0.5	912
L-667800N 14100E/AC205 67800N 614100	0.760	8.0	10	<10	0.4	900	<0.5	762
L-667800N 14150E/AC206 67800N 614150	0.620	6.5	14	<10	<0.1	1750	<0.5	677
L-667800N 14200E/AC207 67800N 614200	0.635	2.4	48	10	<0.1	1480	<0.5	597
L-667800N 14250E/AC208 67800N 614250	0.590	17.1	10	<10	0.2	2010	<0.5	864
L-667800N 14300E/AC165 67800N 614300	0.735	33.8	7	<10	1.5	400	<0.5	601
L-667800N 14350E/AC164 67800N 614350	0.690	66.9	7	20	1.5	170	<0.5	617
L-667800N 14400E/AC163 67800N 614400	0.800	51.6	4	30	1.2	40	<0.5	490
L-667800N 14450E/AC162 67800N 614450	0.860	56.0	7	30	1.2	160	<0.5	568
L-667800N 14500E/AC161 67800N 614500	0.720	61.6	8	30	0.9	220	<0.5	674
L-667800N 14550E/AC160 67800N 614550	0.815	22.8	5	30	0.3	470	<0.5	1100
L-667800N 14600E/AC159 67800N 614600	0.760	12.7	8	<10	0.3	610	<0.5	994
L-667800N 14650E/AC158 67800N 614650	0.605	5.1	20	<10	<0.1	450	<0.5	771
L-667800N 14700E/AC157 67800N 614700	0.620	16.8	15	<10	0.2	1060	<0.5	888
L-667800N 14750E/AC156 67800N 614750	0.775	5.3	6	<10	<0.1	680	<0.5	841
L-667800N 14800E/AC155 67800N 614800	0.685	3.1	9	<10	<0.1	840	<0.5	741
L-667800N 14850E/AC154 67800N 614850	0.605	6.8	12	<10	<0.1	1600	<0.5	828
L-667800N 14900E/AC153 67800N 614900	0.630	14.5	8	<10	0.2	470	<0.5	930
L-667800N 14950E/AC152 67800N 614950	0.690	2.6	17	<10	<0.1	680	<0.5	670
L-667800N 15000E/AC151 67800N 615000	0.650	4.7	7	<10	<0.1	370	<0.5	833
L-667800N 15050E/AC150 67800N 615050	0.725	17.4	5	<10	0.1	180	<0.5	1110
L-667800N 15100E/AC149 67800N 615100	0.870	10.2	4	<10	0.2	190	<0.5	1180

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Element Method Det.Lim. Units	Cd GE_MMI_M 1 ppb	Ce GE_MMI_M 2 ppb	Co GE_MMI_M 1 ppb	Cr GE_MMI_M 100 ppb	Cs GE_MMI_M 0.2 ppb	Cu GE_MMI_M 10 ppb	Dy GE_MMI_M 0.5 ppb	Er GE_MMI_M 0.2 ppb
L-667700N 14900E/AC136 67700N614900	4	51	55	<100	<0.2	980	45.1	24.9
L-667700N 14950E/AC135 67700N614950	5	312	58	<100	<0.2	490	144	82.2
L-667700N 15000E/AC134 67700N615000	5	166	32	<100	<0.2	400	87.6	48.6
L-667700N 15050E/AC133 67700N615050	3	51	21	<100	<0.2	550	43.3	25.7
L-667700N 15100E/AC132 67700N 615100	2	10	22	<100	<0.2	340	5.4	3.6
L-667700N 15150E/AC131 67700N 615150	2	18	25	<100	<0.2	610	6.2	4.2
L-667800N 13450E/AC192 67800N 613450	7	7	55	<100	0.3	9150	6.1	3.9
L-667800N 13500E/AC193 67800N 613500	6	6	23	<100	0.6	11100	2.3	1.3
L-667800N 13550E/AC194 67800N 613550	6	4	8	<100	<0.2	6840	9.0	4.9
L-667800N 13600E/AC195 67800N 613600	39	10	15	<100	0.3	2140	6.5	3.5
L-667800N 13650E/AC196 67800N 613650	6	<2	10	<100	<0.2	3070	2.6	1.7
L-667800N 13700E/AC197 67800N 613700	4	16	37	<100	0.3	2960	8.0	4.2
L-667800N 13750E/AC198 67800N 613750	4	10	31	<100	<0.2	2730	5.4	3.1
L-667800N 13800E/AC199 67800N 613800	4	<2	55	<100	0.7	7660	2.0	1.3
L-667800N 13850E/AC200 67800N 613850	5	26	69	<100	0.2	3870	8.5	4.2
L-667800N 13900E/AC201 67800N 613900	3	9	65	<100	0.2	3100	3.9	2.1
L-667800N 13950E/AC202 67800N 613950	3	5	52	<100	0.5	2790	5.6	4.0
L-667800N 14000E/AC203 67800N 614000	5	5	21	<100	0.2	1180	2.4	1.4
L-667800N 14050E/AC204 67800N 614050	3	12	81	<100	<0.2	2800	4.9	2.7
L-667800N 14100E/AC205 67800N 614100	4	26	53	<100	<0.2	2290	10.9	6.6
L-667800N 14150E/AC206 67800N 614150	11	189	95	<100	<0.2	1270	51.8	26.2
L-667800N 14200E/AC207 67800N 614200	7	764	42	<100	0.3	650	150	86.0
L-667800N 14250E/AC208 67800N 614250	5	26	34	<100	<0.2	3450	48.5	25.0
L-667800N 14300E/AC165 67800N 614300	9	6	246	<100	0.3	9890	3.0	1.8
L-667800N 14350E/AC164 67800N 614350	22	5	449	<100	0.4	11200	2.2	1.3
L-667800N 14400E/AC163 67800N 614400	20	<2	488	<100	0.4	9670	0.6	0.5
L-667800N 14450E/AC162 67800N 614450	10	3	326	<100	0.4	10900	1.4	0.8
L-667800N 14500E/AC161 67800N 614500	33	4	249	<100	0.4	11100	2.2	1.7
L-667800N 14550E/AC160 67800N 614550	9	<2	12	<100	0.4	4110	1.0	0.7
L-667800N 14600E/AC159 67800N 614600	6	15	28	<100	0.2	4390	12.2	6.9
L-667800N 14650E/AC158 67800N 614650	6	49	22	<100	0.4	830	49.3	27.6
L-667800N 14700E/AC157 67800N 614700	3	27	25	<100	0.3	660	36.3	24.6
L-667800N 14750E/AC156 67800N 614750	4	11	20	<100	0.6	740	17.8	11.3
L-667800N 14800E/AC155 67800N 614800	8	48	64	<100	<0.2	830	32.5	17.0
L-667800N 14850E/AC154 67800N 614850	4	45	49	<100	0.4	920	62.8	36.7
L-667800N 14900E/AC153 67800N 614900	4	2	35	<100	<0.2	870	1.5	1.1
L-667800N 14950E/AC152 67800N 614950	4	47	26	<100	<0.2	630	26.7	15.0
L-667800N 15000E/AC151 67800N 615000	2	32	26	<100	<0.2	540	25.8	16.7
L-667800N 15050E/AC150 67800N 615050	1	<2	16	<100	<0.2	590	1.4	1.2
L-667800N 15100E/AC149 67800N 615100	<1	2	11	<100	<0.2	290	0.9	0.7

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Element Method Det.Lim. Units	Eu GE_MMI_M 0.2 ppb	Fe GE_MMI_M 1 ppm	Ga GE_MMI_M 0.5 ppb	Gd GE_MMI_M 0.5 ppb	Hg GE_MMI_M 1 ppb	In GE_MMI_M 0.1 ppb	K GE_MMI_M 0.5 ppm	La GE_MMI_M 1 ppb
L-667700N 14900E/AC136 67700N614900	9.9	6	<0.5	56.8	<1	<0.1	34.6	21
L-667700N 14950E/AC135 67700N614950	31.3	8	<0.5	168	<1	<0.1	118	118
L-667700N 15000E/AC134 67700N615000	21.7	10	<0.5	113	<1	<0.1	57.9	125
L-667700N 15050E/AC133 67700N615050	9.7	7	<0.5	56.4	<1	<0.1	77.1	32
L-667700N 15100E/AC132 67700N 615100	1.4	6	<0.5	7.5	<1	<0.1	33.9	6
L-667700N 15150E/AC131 67700N 615150	1.7	6	<0.5	7.9	<1	<0.1	9.4	8
L-667800N 13450E/AC192 67800N 613450	1.6	14	<0.5	7.4	<1	<0.1	33.5	4
L-667800N 13500E/AC193 67800N 613500	0.9	13	1.5	3.2	<1	<0.1	152	4
L-667800N 13550E/AC194 67800N 613550	2.6	10	<0.5	12.2	<1	<0.1	115	7
L-667800N 13600E/AC195 67800N 613600	1.7	9	<0.5	8.3	<1	<0.1	197	6
L-667800N 13650E/AC196 67800N 613650	0.5	6	<0.5	2.5	<1	<0.1	154	<1
L-667800N 13700E/AC197 67800N 613700	2.7	9	<0.5	12.2	<1	<0.1	27.3	9
L-667800N 13750E/AC198 67800N 613750	1.5	5	<0.5	6.8	<1	<0.1	35.2	4
L-667800N 13800E/AC199 67800N 613800	0.4	6	0.6	2.0	<1	<0.1	24.0	<1
L-667800N 13850E/AC200 67800N 613850	3.3	7	<0.5	14.1	<1	<0.1	35.6	10
L-667800N 13900E/AC201 67800N 613900	1.3	7	<0.5	6.0	<1	<0.1	43.6	3
L-667800N 13950E/AC202 67800N 613950	1.0	9	0.6	5.7	<1	<0.1	38.1	<1
L-667800N 14000E/AC203 67800N 614000	1.4	5	<0.5	3.0	<1	<0.1	33.8	1
L-667800N 14050E/AC204 67800N 614050	1.3	7	<0.5	6.0	<1	<0.1	49.1	3
L-667800N 14100E/AC205 67800N 614100	2.5	7	0.6	14.5	<1	<0.1	21.2	7
L-667800N 14150E/AC206 67800N 614150	13.1	7	<0.5	71.2	<1	<0.1	85.3	50
L-667800N 14200E/AC207 67800N 614200	36.5	16	1.4	185	<1	<0.1	33.2	194
L-667800N 14250E/AC208 67800N 614250	11.3	7	<0.5	66.6	<1	<0.1	146	29
L-667800N 14300E/AC165 67800N 614300	0.7	7	<0.5	3.3	1	<0.1	21.3	<1
L-667800N 14350E/AC164 67800N 614350	0.4	7	<0.5	2.1	2	<0.1	17.5	<1
L-667800N 14400E/AC163 67800N 614400	<0.2	7	<0.5	0.7	5	<0.1	6.1	<1
L-667800N 14450E/AC162 67800N 614450	0.2	9	<0.5	1.4	3	<0.1	15.0	<1
L-667800N 14500E/AC161 67800N 614500	0.4	10	<0.5	2.4	1	<0.1	22.3	<1
L-667800N 14550E/AC160 67800N 614550	0.2	6	<0.5	1.0	<1	<0.1	21.2	<1
L-667800N 14600E/AC159 67800N 614600	3.4	7	<0.5	17.0	<1	<0.1	38.3	12
L-667800N 14650E/AC158 67800N 614650	11.9	8	<0.5	64.3	<1	<0.1	81.2	39
L-667800N 14700E/AC157 67800N 614700	6.5	6	<0.5	40.2	<1	<0.1	28.5	15
L-667800N 14750E/AC156 67800N 614750	3.3	4	<0.5	20.1	<1	<0.1	44.4	6
L-667800N 14800E/AC155 67800N 614800	7.9	5	<0.5	45.4	<1	<0.1	57.4	22
L-667800N 14850E/AC154 67800N 614850	12.0	4	<0.5	75.2	<1	<0.1	31.2	21
L-667800N 14900E/AC153 67800N 614900	0.3	5	<0.5	1.4	<1	<0.1	19.2	<1
L-667800N 14950E/AC152 67800N 614950	5.9	8	<0.5	34.7	<1	<0.1	123	19
L-667800N 15000E/AC151 67800N 615000	5.6	5	<0.5	35.1	<1	<0.1	30.4	19
L-667800N 15050E/AC150 67800N 615050	<0.2	5	<0.5	1.4	<1	<0.1	8.8	<1
L-667800N 15100E/AC149 67800N 615100	0.2	6	<0.5	1.0	<1	<0.1	5.1	<1

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Element Method Det.Lim. Units	Li GE_MMI_M 1 ppb	Mg GE_MMI_M 0.5 ppm	Mn GE_MMI_M 100 ppb	Mo GE_MMI_M 2 ppb	Nb GE_MMI_M 0.5 ppb	Nd GE_MMI_M 1 ppb	Ni GE_MMI_M 5 ppb	P GE_MMI_M 0.1 ppm
L-667700N 14900E/AC136 67700N614900	2	269	3100	4	<0.5	89	797	2.1
L-667700N 14950E/AC135 67700N614950	8	295	5700	3	<0.5	360	1500	0.7
L-667700N 15000E/AC134 67700N615000	10	314	2800	9	0.6	295	916	1.8
L-667700N 15050E/AC133 67700N615050	6	344	1800	4	0.5	106	834	2.5
L-667700N 15100E/AC132 67700N 615100	4	263	1500	<2	<0.5	18	360	2.3
L-667700N 15150E/AC131 67700N 615150	2	421	1700	2	1.5	19	186	0.8
L-667800N 13450E/AC192 67800N 613450	<1	95.6	1500	5	<0.5	13	108	2.1
L-667800N 13500E/AC193 67800N 613500	<1	57.2	1400	3	<0.5	9	29	2.7
L-667800N 13550E/AC194 67800N 613550	1	138	400	<2	<0.5	27	110	2.2
L-667800N 13600E/AC195 67800N 613600	<1	124	1800	3	<0.5	18	204	2.9
L-667800N 13650E/AC196 67800N 613650	<1	152	600	3	<0.5	3	141	1.6
L-667800N 13700E/AC197 67800N 613700	<1	112	2100	3	<0.5	28	112	1.1
L-667800N 13750E/AC198 67800N 613750	<1	191	1600	<2	<0.5	13	115	0.7
L-667800N 13800E/AC199 67800N 613800	<1	50.1	3800	<2	<0.5	<1	37	0.4
L-667800N 13850E/AC200 67800N 613850	<1	202	3100	<2	<0.5	32	91	0.8
L-667800N 13900E/AC201 67800N 613900	<1	45.8	3000	<2	<0.5	11	46	1.7
L-667800N 13950E/AC202 67800N 613950	<1	19.9	5300	<2	<0.5	5	20	0.8
L-667800N 14000E/AC203 67800N 614000	4	32.0	700	2	<0.5	4	74	0.2
L-667800N 14050E/AC204 67800N 614050	<1	106	3300	<2	<0.5	10	73	0.7
L-667800N 14100E/AC205 67800N 614100	<1	170	3700	<2	<0.5	25	73	0.6
L-667800N 14150E/AC206 67800N 614150	<1	178	7700	5	<0.5	155	554	0.8
L-667800N 14200E/AC207 67800N 614200	5	199	6000	4	<0.5	487	1100	0.7
L-667800N 14250E/AC208 67800N 614250	<1	183	2200	4	<0.5	103	419	1.8
L-667800N 14300E/AC165 67800N 614300	<1	82.6	7700	16	<0.5	4	109	0.2
L-667800N 14350E/AC164 67800N 614350	2	31.7	8400	16	<0.5	2	136	0.2
L-667800N 14400E/AC163 67800N 614400	8	36.9	7700	15	<0.5	<1	126	0.2
L-667800N 14450E/AC162 67800N 614450	14	38.6	5300	12	<0.5	2	152	0.3
L-667800N 14500E/AC161 67800N 614500	5	45.5	7800	45	<0.5	2	231	0.4
L-667800N 14550E/AC160 67800N 614550	5	148	500	11	<0.5	2	108	0.4
L-667800N 14600E/AC159 67800N 614600	1	199	1400	7	<0.5	38	342	0.9
L-667800N 14650E/AC158 67800N 614650	11	262	2100	5	<0.5	130	1030	2.8
L-667800N 14700E/AC157 67800N 614700	18	414	1700	<2	<0.5	52	550	2.1
L-667800N 14750E/AC156 67800N 614750	10	381	1100	2	<0.5	24	457	2.2
L-667800N 14800E/AC155 67800N 614800	2	328	3600	3	<0.5	79	941	1.8
L-667800N 14850E/AC154 67800N 614850	13	400	2600	2	<0.5	87	919	2.0
L-667800N 14900E/AC153 67800N 614900	<1	275	1400	3	<0.5	2	311	1.0
L-667800N 14950E/AC152 67800N 614950	2	281	1800	3	0.6	65	823	2.7
L-667800N 15000E/AC151 67800N 615000	11	402	1400	<2	0.5	60	635	1.6
L-667800N 15050E/AC150 67800N 615050	12	420	700	<2	0.6	2	246	0.9
L-667800N 15100E/AC149 67800N 615100	3	254	600	<2	<0.5	2	116	0.2

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Element Method Det.Lim. Units	Pb GE_MMI_M 5 ppb	Pd GE_MMI_M 1 ppb	Pr GE_MMI_M 0.5 ppb	Pt GE_MMI_M 0.1 ppb	Rb GE_MMI_M 1 ppb	Sb GE_MMI_M 0.5 ppb	Sc GE_MMI_M 5 ppb	Sm GE_MMI_M 1 ppb
L-667700N 14900E/AC136 67700N614900	8	<1	12.0	<0.1	59	<0.5	7	33
L-667700N 14950E/AC135 67700N614950	14	<1	59.0	<0.1	61	<0.5	31	116
L-667700N 15000E/AC134 67700N615000	8	<1	49.2	<0.1	68	<0.5	25	85
L-667700N 15050E/AC133 67700N615050	<5	<1	15.4	<0.1	68	<0.5	12	37
L-667700N 15100E/AC132 67700N 615100	<5	<1	3.1	<0.1	48	<0.5	<5	5
L-667700N 15150E/AC131 67700N 615150	<5	<1	3.2	<0.1	11	<0.5	13	5
L-667800N 13450E/AC192 67800N 613450	<5	<1	2.0	<0.1	17	<0.5	11	4
L-667800N 13500E/AC193 67800N 613500	<5	<1	1.6	<0.1	68	<0.5	10	3
L-667800N 13550E/AC194 67800N 613550	5	<1	3.9	<0.1	14	<0.5	<5	8
L-667800N 13600E/AC195 67800N 613600	7	<1	2.8	<0.1	84	<0.5	5	6
L-667800N 13650E/AC196 67800N 613650	<5	<1	<0.5	<0.1	36	<0.5	<5	1
L-667800N 13700E/AC197 67800N 613700	<5	<1	4.4	<0.1	19	<0.5	5	8
L-667800N 13750E/AC198 67800N 613750	<5	<1	2.0	<0.1	8	<0.5	<5	4
L-667800N 13800E/AC199 67800N 613800	<5	<1	<0.5	<0.1	11	<0.5	6	<1
L-667800N 13850E/AC200 67800N 613850	<5	<1	4.7	<0.1	22	<0.5	8	9
L-667800N 13900E/AC201 67800N 613900	<5	<1	1.8	<0.1	20	<0.5	5	4
L-667800N 13950E/AC202 67800N 613950	<5	<1	<0.5	<0.1	21	<0.5	9	3
L-667800N 14000E/AC203 67800N 614000	13	<1	0.6	<0.1	10	<0.5	<5	1
L-667800N 14050E/AC204 67800N 614050	<5	<1	1.4	<0.1	11	<0.5	<5	3
L-667800N 14100E/AC205 67800N 614100	<5	<1	3.5	<0.1	9	<0.5	8	8
L-667800N 14150E/AC206 67800N 614150	15	<1	23.8	<0.1	22	<0.5	13	48
L-667800N 14200E/AC207 67800N 614200	58	<1	90.1	<0.1	109	<0.5	36	143
L-667800N 14250E/AC208 67800N 614250	20	<1	14.6	<0.1	24	<0.5	14	39
L-667800N 14300E/AC165 67800N 614300	5	<1	<0.5	<0.1	9	<0.5	8	2
L-667800N 14350E/AC164 67800N 614350	11	<1	<0.5	<0.1	6	<0.5	5	<1
L-667800N 14400E/AC163 67800N 614400	<5	<1	<0.5	<0.1	3	0.5	<5	<1
L-667800N 14450E/AC162 67800N 614450	6	<1	<0.5	<0.1	7	0.6	6	<1
L-667800N 14500E/AC161 67800N 614500	10	<1	<0.5	<0.1	17	0.7	5	1
L-667800N 14550E/AC160 67800N 614550	<5	<1	<0.5	<0.1	12	<0.5	<5	<1
L-667800N 14600E/AC159 67800N 614600	5	<1	6.4	<0.1	24	<0.5	<5	12
L-667800N 14650E/AC158 67800N 614650	7	<1	20.2	<0.1	137	<0.5	9	44
L-667800N 14700E/AC157 67800N 614700	<5	<1	7.0	<0.1	17	<0.5	22	19
L-667800N 14750E/AC156 67800N 614750	<5	<1	3.3	<0.1	47	<0.5	7	10
L-667800N 14800E/AC155 67800N 614800	9	<1	12.1	<0.1	41	<0.5	6	28
L-667800N 14850E/AC154 67800N 614850	12	<1	11.7	<0.1	46	<0.5	9	39
L-667800N 14900E/AC153 67800N 614900	<5	<1	<0.5	<0.1	9	<0.5	<5	<1
L-667800N 14950E/AC152 67800N 614950	6	<1	9.8	<0.1	86	<0.5	10	21
L-667800N 15000E/AC151 67800N 615000	<5	<1	9.1	<0.1	37	<0.5	7	20
L-667800N 15050E/AC150 67800N 615050	<5	<1	<0.5	<0.1	13	<0.5	<5	<1
L-667800N 15100E/AC149 67800N 615100	<5	<1	<0.5	<0.1	7	<0.5	<5	<1

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Element Method Det.Lim. Units	Sn GE_MMI_M 1 ppb	Sr GE_MMI_M 10 ppb	Ta GE_MMI_M 1 ppb	Tb GE_MMI_M 0.1 ppb	Te GE_MMI_M 10 ppb	Th GE_MMI_M 0.5 ppb	Ti GE_MMI_M 10 ppb	Tl GE_MMI_M 0.1 ppb
L-667700N 14900E/AC136 67700N614900	<1	3500	<1	8.2	<10	3.4	<10	<0.1
L-667700N 14950E/AC135 67700N614950	<1	3150	<1	24.2	<10	20.6	10	0.1
L-667700N 15000E/AC134 67700N615000	<1	2950	<1	15.6	<10	15.0	<10	<0.1
L-667700N 15050E/AC133 67700N615050	<1	2830	<1	7.6	<10	5.3	<10	<0.1
L-667700N 15100E/AC132 67700N 615100	<1	1650	<1	0.9	<10	1.6	<10	<0.1
L-667700N 15150E/AC131 67700N 615150	<1	2570	<1	1.0	<10	1.3	<10	<0.1
L-667800N 13450E/AC192 67800N 613450	<1	2460	<1	1.0	<10	0.9	<10	<0.1
L-667800N 13500E/AC193 67800N 613500	<1	2450	<1	0.4	<10	0.7	10	<0.1
L-667800N 13550E/AC194 67800N 613550	<1	3080	<1	1.5	<10	0.7	<10	<0.1
L-667800N 13600E/AC195 67800N 613600	<1	2910	<1	1.1	<10	1.0	10	<0.1
L-667800N 13650E/AC196 67800N 613650	<1	3490	<1	0.4	<10	<0.5	<10	<0.1
L-667800N 13700E/AC197 67800N 613700	<1	2110	<1	1.4	<10	0.9	<10	<0.1
L-667800N 13750E/AC198 67800N 613750	<1	2720	<1	0.9	<10	<0.5	<10	<0.1
L-667800N 13800E/AC199 67800N 613800	<1	1020	<1	0.3	<10	<0.5	20	<0.1
L-667800N 13850E/AC200 67800N 613850	<1	3200	<1	1.6	<10	1.1	<10	<0.1
L-667800N 13900E/AC201 67800N 613900	<1	1100	<1	0.7	<10	0.6	<10	<0.1
L-667800N 13950E/AC202 67800N 613950	<1	590	<1	0.9	<10	<0.5	<10	<0.1
L-667800N 14000E/AC203 67800N 614000	<1	2620	<1	0.4	<10	<0.5	<10	0.1
L-667800N 14050E/AC204 67800N 614050	<1	2520	<1	0.8	<10	<0.5	<10	<0.1
L-667800N 14100E/AC205 67800N 614100	<1	2810	<1	1.8	<10	0.7	<10	<0.1
L-667800N 14150E/AC206 67800N 614150	<1	3560	<1	9.1	<10	7.2	<10	<0.1
L-667800N 14200E/AC207 67800N 614200	<1	2240	<1	25.6	<10	15.0	20	0.1
L-667800N 14250E/AC208 67800N 614250	<1	3940	<1	8.7	<10	3.1	<10	<0.1
L-667800N 14300E/AC165 67800N 614300	<1	1730	<1	0.5	<10	0.8	<10	<0.1
L-667800N 14350E/AC164 67800N 614350	<1	1550	<1	0.3	<10	<0.5	<10	<0.1
L-667800N 14400E/AC163 67800N 614400	<1	1040	<1	<0.1	<10	<0.5	<10	<0.1
L-667800N 14450E/AC162 67800N 614450	<1	1980	<1	0.2	<10	<0.5	<10	<0.1
L-667800N 14500E/AC161 67800N 614500	<1	1760	<1	0.3	<10	<0.5	<10	0.1
L-667800N 14550E/AC160 67800N 614550	<1	3380	<1	0.2	<10	<0.5	<10	<0.1
L-667800N 14600E/AC159 67800N 614600	<1	3750	<1	2.1	<10	1.8	<10	<0.1
L-667800N 14650E/AC158 67800N 614650	<1	3010	<1	8.5	<10	6.1	10	<0.1
L-667800N 14700E/AC157 67800N 614700	<1	5390	<1	5.5	<10	1.9	<10	<0.1
L-667800N 14750E/AC156 67800N 614750	<1	4490	<1	2.9	<10	0.8	<10	<0.1
L-667800N 14800E/AC155 67800N 614800	<1	3780	<1	5.8	<10	2.9	<10	<0.1
L-667800N 14850E/AC154 67800N 614850	<1	4490	<1	10.4	<10	3.5	<10	<0.1
L-667800N 14900E/AC153 67800N 614900	<1	3550	<1	0.2	<10	<0.5	<10	<0.1
L-667800N 14950E/AC152 67800N 614950	<1	3450	<1	4.5	<10	4.0	<10	<0.1
L-667800N 15000E/AC151 67800N 615000	<1	2960	<1	4.4	<10	2.7	<10	<0.1
L-667800N 15050E/AC150 67800N 615050	<1	2550	<1	0.2	<10	<0.5	<10	<0.1
L-667800N 15100E/AC149 67800N 615100	<1	2180	<1	0.1	<10	0.9	<10	<0.1

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Element Method Det.Lim. Units	U GE_MMI_M 0.5 ppb	W GE_MMI_M 0.5 ppb	Y GE_MMI_M 1 ppb	Yb GE_MMI_M 0.2 ppb	Zn GE_MMI_M 10 ppb	Zr GE_MMI_M 2 ppb
L-667700N 14900E/AC136 67700N614900	17.3	<0.5	259	15.3	40	18
L-667700N 14950E/AC135 67700N614950	21.1	<0.5	765	56.5	160	70
L-667700N 15000E/AC134 67700N615000	17.4	<0.5	550	32.7	280	43
L-667700N 15050E/AC133 67700N615050	31.4	<0.5	276	17.4	70	29
L-667700N 15100E/AC132 67700N 615100	8.5	<0.5	33	2.8	50	15
L-667700N 15150E/AC131 67700N 615150	17.9	1.9	37	3.1	20	18
L-667800N 13450E/AC192 67800N 613450	5.0	<0.5	42	3.0	100	5
L-667800N 13500E/AC193 67800N 613500	1.9	<0.5	16	1.1	70	3
L-667800N 13550E/AC194 67800N 613550	8.6	<0.5	57	3.5	90	9
L-667800N 13600E/AC195 67800N 613600	3.4	<0.5	39	2.4	490	7
L-667800N 13650E/AC196 67800N 613650	3.7	<0.5	16	1.5	40	5
L-667800N 13700E/AC197 67800N 613700	2.9	<0.5	49	3.1	90	5
L-667800N 13750E/AC198 67800N 613750	4.7	<0.5	31	2.4	30	6
L-667800N 13800E/AC199 67800N 613800	<0.5	<0.5	14	1.0	70	<2
L-667800N 13850E/AC200 67800N 613850	3.9	<0.5	56	2.9	90	3
L-667800N 13900E/AC201 67800N 613900	1.5	<0.5	26	1.6	40	4
L-667800N 13950E/AC202 67800N 613950	0.7	<0.5	41	3.5	30	<2
L-667800N 14000E/AC203 67800N 614000	3.9	<0.5	13	0.9	30	<2
L-667800N 14050E/AC204 67800N 614050	4.4	<0.5	34	1.9	20	3
L-667800N 14100E/AC205 67800N 614100	4.1	<0.5	74	4.1	30	4
L-667800N 14150E/AC206 67800N 614150	17.1	<0.5	294	16.4	110	22
L-667800N 14200E/AC207 67800N 614200	27.9	<0.5	911	65.3	210	76
L-667800N 14250E/AC208 67800N 614250	20.3	<0.5	311	16.8	80	19
L-667800N 14300E/AC165 67800N 614300	2.1	<0.5	20	1.8	80	5
L-667800N 14350E/AC164 67800N 614350	1.9	<0.5	16	1.2	200	3
L-667800N 14400E/AC163 67800N 614400	1.0	<0.5	5	0.5	360	<2
L-667800N 14450E/AC162 67800N 614450	3.3	<0.5	10	1.0	120	6
L-667800N 14500E/AC161 67800N 614500	4.8	<0.5	17	1.4	350	5
L-667800N 14550E/AC160 67800N 614550	2.7	<0.5	7	0.7	40	8
L-667800N 14600E/AC159 67800N 614600	8.5	<0.5	70	5.2	20	11
L-667800N 14650E/AC158 67800N 614650	11.8	<0.5	301	18.0	220	18
L-667800N 14700E/AC157 67800N 614700	23.4	<0.5	264	17.5	60	17
L-667800N 14750E/AC156 67800N 614750	22.3	<0.5	108	8.6	30	11
L-667800N 14800E/AC155 67800N 614800	13.5	<0.5	175	11.2	120	17
L-667800N 14850E/AC154 67800N 614850	21.4	<0.5	380	23.9	70	14
L-667800N 14900E/AC153 67800N 614900	11.1	<0.5	10	1.3	40	15
L-667800N 14950E/AC152 67800N 614950	19.7	<0.5	158	10.7	90	49
L-667800N 15000E/AC151 67800N 615000	30.3	<0.5	174	11.8	50	20
L-667800N 15050E/AC150 67800N 615050	17.7	<0.5	9	1.5	20	20
L-667800N 15100E/AC149 67800N 615100	22.5	<0.5	6	0.9	10	20

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