

**SOIL GEOCHEMISTRY REPORT**  
**on**  
**MMI SOIL SAMPLING SURVEYS**  
**over the**  
**SURPRISE SHOWING GRID, SURPRISE 2 GRID**  
**SURPRISE 3 GRID, and BIRCH GRID**  
**within the**  
**SURPRISE LAKE PROPERTY**  
**PINE CREEK, ATLIN AREA**  
**ATLIN MINING DIVISION, BRITISH COLUMBIA**

---

BC Geological Survey  
Assessment Report  
30750

**PROPERTY LOCATION:** On Pine Creek 15.7 km 070°E of Atlin,  
British Columbia  
59° 38' N Latitude, 133° 28' W Longitude  
Mineral Titles Maps: M104N053, '54, '63, '64  
N.T.S. - 104N/11

**WRITTEN FOR:** **DOUBLE CROWN VENTURES LTD.**  
102 – 1949 Beach Avenue  
Vancouver, B.C.  
V6G 1Z2

**WRITTEN BY:** David G. Mark, P.Geo.  
**GEOTRONICS CONSULTING INC.**  
6204 – 125<sup>th</sup> Street  
Surrey, British Columbia V3X 2E1

## TABLE OF CONTENTS

<b>SUMMARY</b> .....	<i>i</i>
<b>CONCLUSIONS</b> .....	<i>ii</i>
<b>RECOMMENDATIONS</b> .....	<i>iii</i>
<b>INTRODUCTION and GENERAL REMARKS</b> .....	<b>1</b>
<b>PROPERTY and ownership</b> .....	<b>2</b>
<b>LOCATION AND ACCESS</b> .....	<b>2</b>
<b>PHYSIOGRAPHY and VEGETATION</b> .....	<b>2</b>
<b>HISTORY OF PREVIOUS WORK</b> .....	<b>3</b>
<b>Geology</b> .....	<b>4</b>
<b>YELLOWJACKET SHOWING</b> .....	<b>5</b>
MMI Soil Sampling .....	5
(a) Grid Emplacement .....	5
(b) Sampling Procedure .....	6
(c) Analytical Methods .....	6
(d) Compilation of Data.....	6
<u>DISCUSSION OF RESULTS</u> .....	7
a) Surprise Showing Grid.....	7
b) Surprise 2 Grid .....	7
c) Surprise 3 Grid .....	7
d) Birch Grid .....	7
<b>GEOPHYSICIST'S CERTIFICATE</b> .....	<b>8</b>
<b>AFFIDAVIT OF EXPENSES</b> .....	<b>9</b>
<b>APPENDIX –GEOCHEMISTRY DATA</b> .....	<b>10</b>

## LIST OF ILLUSTRATIONS

MAPS – at Back	Original Scale*	Map/Fig#
Canada Location Map	1: 8,750,000	1
BC Location Map	1: 8,750,000	2
Claim Map	1: 87,500	3

<b>MMI STACKED HISTOGRAMS</b>		
<b>Surprise Showing</b>		
	Nickel, Silver, Cobalt, Gold	Copper, Cerium, Lead, Zinc
Line 0N	Fig 6	Fig 6
Line 50N	Fig 7	Fig 7
Line 100N	Fig 8	Fig 8
Line 150N	Fig 9	Fig 9
Line 200N	Fig 10	Fig 10
Line 250N	Fig 11	Fig 11
Line 300N	Fig 12	Fig 12
Line 350N	Fig 13	Fig 13
Line 400N	Fig 14	Fig 14
Line 450N	Fig 15	Fig 15
Line 500N	Fig 16	Fig 16
<b>Surprise 2 Grid</b>		
	Nickel, Silver, Cobalt, Gold	Copper, Cerium, Lead, Zinc
Line 0N	Fig 25	Fig 25
Line 25N	Fig 26	Fig 26
Line 50N	Fig 27	Fig 27
Line 75N	Fig 28	Fig 28
Lines 100-275N	Fig 28	Fig 28
<b>Surprise 3 Grid</b>		
	Copper, Gold, Silver, Cobalt, Arsenic	Copper, Cerium, Lead, Zinc
Line 11750N	Fig 25	Fig 25
Line 11850N	Fig 26	Fig 26
Line 11950N	Fig 27	Fig 27
Line 12050N	Fig 28	Fig 28
<b>Birch Grid</b>		
	Copper, Gold, Silver, Cobalt, Arsenic	Molybdenum, Zinc, Cerium, Nickel, Uranium
Line 500S	Fig 26	Fig 26
Line 400S	Fig 27	Fig 27
Line 200S	Fig 27	Fig 27
Line 000N	Fig 28	Fig 28
Line 200N	Fig 27	Fig 27
Line 400N	Fig 27	Fig 27
Line 600N	Fig 27	Fig 27

<b>MMI SURVEY PLAN MAPS</b>				
	<b>Surprise Showing Grid</b>	<b>Surprise 2 Grid</b>	<b>Surprise 3 Grid</b>	<b>Birch Grid</b>
Gold	GC-2	GC-12	GC-22	GC-32
Silver	GC-3	GC-13	GC-23	GC-33
Molybdenum	GC-4	GC-14	GC-24	GC-3
Lead	GC-5	GC-15	GC-25	GC-35
Zinc	GC-6	GC-16	GC-26	GC-36
Uranium	GC-7	GC-17	GC-27	GC-37
Cobalt	GC-8	GC-18	GC-28	GC-38
Nickel	GC-9	GC-19	GC-29	GC-39
Cerium	GC-10	GC-20	GC-30	GC-40

All maps to a scale of 1:5,000. Note that the scale of actual map within hardcopy report may be different due to “fit to page” printing.

## **SUMMARY**

MMI soil sampling was carried out on four different grids, all occurring within the Surprise Lake Property owned by Double Crown Ventures. This property is located on Pine Creek at the west end of the Surprise Lake within the Atlin Mining Division of B.C.

The main purpose of the MMI surveys was to locate gold/silver mineralization, perhaps similar to the nearby Yellowjacket Prospect, which is being explored for by Prize Mining. Here, bonanza-type gold occurs within listwanite and with associated sulphides. An additional purpose, especially of the Birch Grid, was to locate molybdenum mineralization similar to the Adanac molybdenum deposit located

The MMI sampling consisted of 1,060 samples taken along two lines for a total survey length of 1800 meters. The samples were picked up every 25 meters where a picket was placed with the grid coordinates marked on an aluminum tag. The samples were sent to SGS labs in Toronto and tested for 46 elements.

## **CONCLUSIONS**

1. The MMI soil sampling revealed three two-station anomalies, the first being highly anomalous in silver and gold, the second being anomalous in silver, gold and copper, and the third in zinc and cobalt.

## **RECOMMENDATIONS**

### Surprise Showing Grid

1. The magnetic survey should be continued to the north, east, and west with the same survey parameters, that is, taking a reading every 12.5 meters on lines 50 meters apart. The magnetic survey to date has been particularly adept at mapping the ultrabasic rock types that are related to any possible mineralization.
2. MMI soil sampling should be carried out wherever possible over the grid area. The sampling should be done every 25 meters preferably on the 50-meters lines. If the budget is limited, then the line spacing should be no more than 100 meters.
3. The IP survey should also be continued to the north, east, and west, but on lines 100 meters apart. At this point the IP survey has produced drill targets, but the IP survey should be filled in and extended in order to optimize the drill targets.
4. The grid and surrounding area should also be geologically mapped.
5. Targets resulting from the above work, especially the IP and MMI sampling, should then be diamond drilled.

**SOIL GEOCHEMISTRY REPORT**  
**on**  
**MMI SOIL SAMPLING SURVEYS**  
**over the**  
**SURPRISE SHOWING GRID, SURPRISE 2 GRID**  
**SURPRISE 3 GRID, and BIRCH GRID**  
**within the**  
**SURPRISE LAKE PROPERTY**  
**PINE CREEK, ATLIN AREA**  
**ATLIN MINING DIVISION, BRITISH COLUMBIA**

---

**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 Surprise Lake Property belonging to Double Crown Ventures. The work was carried out over four grids within the property, which is located to the east of Atlin, BC.

The exploration work was carried out by a Geotronics crew of two to four men, during the period of June 20<sup>th</sup> to August 4<sup>th</sup>, 2007:

The purpose of the exploration program on this property is to look for gold mineralization, possibly associated with silver and copper values, and possibly similar to the nearby Yellowjacket Prospect which is being explored by Prize Mining. The Yellowjacket mineralization consists of bonanza-type gold with surrounding disseminated sulphides occurring within a listwanite host rock. Listwanite, especially on the Surprise Grid is known to occur on the Double Crown's Surprise Lake Property

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.

## **PROPERTY AND OWNERSHIP**

The property is comprised of 2 contiguous tenures that comprise an area of 2,292.3 ha and occurs within the Atlin Mining Division as shown on figure #3. These tenures occur on BC Mineral Title map sheets M104N053, M104N054, M104N063, and M104N064. The property is 100% owned by Double Crown Ventures Ltd. of Vancouver, British Columbia.

<b>Tenure Number</b>	<b>Type</b>	<b>Claim Name</b>	<b>Expiry Date</b>	<b>Area (ha)</b>
555060		Surprise Lake Property	2009/10/02	2243.2
534085	Mineral	Three Cells	2009/10/02	49.107
			<b>Total Area</b>	<b>2,292.307</b>

The expiry date shown assumes that the work discussed within this report is accepted as submitted for assessment credits.

## **LOCATION AND ACCESS**

The Surprise Lake Property is located within the northwestern corner of British Columbia, as shown on figure #2, to the east of Atlin Village which is on the east shore of Atlin Lake and which is 145 km 150° E (S30°E) of the city of Whitehorse, Yukon and 1,290 km 333°E of the city of Vancouver, BC. It occurs on and around Pine Creek and its tributaries at the west end of Surprise Lake. Pine Creek drains Surprise Lake and flows westerly into Atlin Lake.

This property occurs within NTS map sheet number 104N/11. For the center of the property, the latitude is 59° 38' North and the longitude is 133° 28' West. The property boundaries occur within UTM co-ordinates 243000 and 251600 west; and 6614000 and 6620500 north.

Access to the Surprise Lake Property can be gained by traveling for 10 km almost due east from the town of Atlin along the Surprise Lake Road. To gain access to the eastern part of the property, one then turns south to travel along the Otter Creek road and thence along the Snake Creek road which becomes a drill access road. The road comes within 200 meters of the Surprise Showing. The western part of the property, which is largely north of Pine Creek and within which is the Cabin Silver Showing, is most easily gained via the Birch Creek road. Four-wheel drive is recommended.

## **PHYSIOGRAPHY AND VEGETATION**

The Property is found within the Teslin Plateau, which is part of the Yukon Plateau, which itself is a physiographic unit of the Interior Plateau System. The Teslin Plateau consists of an upland surface which rises to heights of 1800 and 2100 meters, such as Mount Barham

(2,093 meters) west of Surprise Lake. These upland surfaces are dissected by broad valleys such as those of Atlin Lake, Surprise Lake, and their tributaries. Surprise Lake, which occurs within the northeast corner part of the property, is at an elevation of 942 meters.

Elevations on the property vary from 910 meters on Pine Creek to 1640 meters on Spruce Mountain, which is almost at its peak within the southeast edge of the property. Slopes are gentle to moderate with the occasional steep section such as on the northern slope of Spruce Mountain to the west of the Surprise Showing. Glaciers occupied the Teslin Plateau and thus much of the claim area is covered by glacial drift. For the most part it is not thick, but can be closer to the bigger lakes.

The main water sources on the property are the west-flowing Pine Creek as well as its tributaries, some of them being the south-flowing Birch Creek and the north-flowing Otter Creek and Snake Creek.

Tree line is at about 1400 meters (4600 feet) on north-facing slopes and 1500 meters (4900 feet) on south-facing slopes. Above the tree line, the property is mostly covered in alpine vegetation, which is predominantly heather and sedges, as well as stunted buck brush. Below the tree line it is covered with light to medium forest consisting of lodge-pole pine, black spruce, aspen, and scrub birch. The underbrush is generally light but can be thick in areas around streams.

The temperatures can reach 30°C in the summer months, with an average of 20° C whereas in winter they can drop down to -35°C with an average of -15°C. Snowfall in winter months is moderate. Depending on the elevation, mining exploration can be carried out from May until the end of October, which was when the IP survey was carried out. On a good year this can extend well into November, though this cannot be relied on.

## **HISTORY OF PREVIOUS WORK**

This section is quoted from David Dupre's report on the property.

“The Surprise showing occurs within a band of listwanites that occurs on the northeast flank of Spruce Mountain (Fig. 5). The primary showing is a quartz vein emplaced in andesite which measures up to six meters in width, strikes 170° and dips 70° to the west. Exploration of this quartz vein prior to 1925 revealed minor amounts of argentiferous galena, pyrite, chalcopyrite, and siderite. Sampling in 1982 of this showing by Standard Gold Mines Ltd. (Assessment Report # 11,138) returned values of 0.042 ounces per ton (1.27 g/t) of gold and 1.20 ounces per ton (36.58 g/t) of silver. A series of bulldozer trenches exposes a carbonatized serpentinite (Listwanite) containing pyrite and pervasive mariposite.”

“In 1985 Daiwan Engineering (Assessment Report # 13,643) carried out a large program of soil sampling (538 samples), grid establishment, prospecting and geological mapping overran

area to the north of Pine Creek and west of Birch Creek. The Cabin Silver showing was discovered at this time and was sampled.

“The showing comprises three quartz-calcite veins, which are around 50 centimeters wide and have varying attitudes. One of the veins contains visible galena, chalcopyrite, pyrite, arsenopyrite, and sphalerite. One grab sample (#8400502) contained 583 grams per tonne silver, 0.96 per cent lead, 0.14 per cent zinc, and 0.002 ounces per ton gold. A 20-centimeter vein sample contained 0.04 ounces per ton gold (Assessment Report #13643). The veins are exposed in the bank of Birch Creek.

“In 1985, the Surprise Lake Exploration Syndicate carried out a 7 line-kilometer ground magnetometer and VLF survey to investigate anomalies detected by a Dighem Survey in 1984. Strong magnetic responses typical of unaltered ultramafic or volcanic rock were delineated. Several discontinuous VLF anomalies were also outlined. This showing is located just to the north of the Cabin Silver occurrence – outside the Surprise Lake property.”

In 2006, Double Crown acquired the property and carried out a program of line cutting and grid emplacement as well as magnetic, VLF-EM, induced polarization, and resistivity surveying on the Surprise Showing grid. In addition, two lines of

## **GEOLOGY**

This section is quoted from David Dupre’s Summary within his report on the property.

The Surprise Lake Property is predominantly underlain by the Atlin Ophiolitic Assemblage, a sequence of mid-Jurassic, relatively flat-lying, coherent thrust slices of oceanic crustal and upper mantle rocks. The most dominant lithological unit is metabasalt. Ultramafic peridotite occurs in an arcuate thrust slice in the northwestern part of the property and as small lenses in the southeast.

Placer deposits in the Atlin camp are situated in stream valleys occurring within erosional windows through the carbonatized, relatively flat lying thrust faults within the ophiolitic assemblage. The placers are considered to be derived from auriferous quartz lodes previously hosted by the ophiolitic crustal rocks. Large parts of the Surprise Lake property are situated within the drainage basins of several prolific gold placer streams such as Pine Creek and Spruce Creek. It can be concluded that some of the placer gold was likely derived from the bedrock on the property.

Gold quartz veins in the Atlin area are poorly and erratically developed within the ultramafic rocks and more commonly occur as random fracture fillings. Wider, more continuous tabular fissure veins have only been identified in the mafic igneous crustal components (andesite, gabbro, and diabase) of the Atlin ophiolite assemblage. Gold-quartz vein deposits and their derived placers are commonly associated with carbonate+/-sericite+/-pyrite altered ophiolitic and ultramafic rocks known as “listwanites”. Provincial examples of gold camps with spatially associated ultramafic rocks include the Bridge River, Cassiar and Rosslund lode gold and the Atlin and Dease Lake placer camps.

The prospective ophiolite assemblage and the adjacent carbonatized ultramafic rocks underlie large parts of the Surprise Lake property. Listwanites have also been identified at the Surprise showing. These favourable geological settings indicate that the property has the potential to host gold deposits of the listwanite association. The best target is considered to be within a belt enveloping the contact zone between the ultramafic and ophiolitic assemblages.

## **YELLOWJACKET SHOWING**

The Yellowjacket showing is currently being explored by Prize Mining on the adjacent property to the west. Mineralization on the Surprise Lake property could be similar and hence the description of the Yellowjacket showing, taken from Prize Mining literature, is given below.

Gold mineralization at Yellowjacket consists of coarse gold hosted in light grey to white quartz veinlets generally less than two centimeters in thickness. Veining is mainly found in areas of more brittle volcanic rocks, but can also occur in altered serpentinites. Bleached, carbonated, silicified, and pyritic envelopes are common around quartz veins and often accompany most of the higher grade vein systems.

Gold is the only mineral occurrence of economic importance. Individual veins and vein stockworks frequently host sub-economic to economic grade widths of gold mineralization which exceed 3.0 grams per tonne or better. Visible gold is common but generally is at least 150 microns in size. While sulphide occurrence is often observed in association with better grade gold occurrences, it is also present in barren intersections.

Several additional sulphide occurrences have been observed in minor quantities; these include gersdorffite, arsenopyrite, millerite, chalcopyrite, and pyrrhotite.

## **MMI Soil Sampling**

### **(a) Grid Emplacement**

The *Surprise Showing Grid* occurs within the southeastern part of the claim group as shown on figure #3. In 2006, the baseline was emplaced in a due north direction with pickets every 25 meters. Eleven survey lines were then put emplaced in due east and west directions every 50 meters and were also marked by pickets every 25 meters. The pickets were tied with blaze orange as well as blue flagging. Where necessary, the lines were cleared of shrubs and underbrush with power saw (No trees were cut.). The baseline was put in over a 500-meter length and 10,587.5 meters of survey lines were put in.

The *Surprise 2, Surprise 3, and Birch grids* were put in as shown on figure 3 in 2007. All consist of east-west lines with stations marked by pickets with an aluminum tag that had the grid coordinates marked thereon. The stations were also marked by blue flagging and blaze orange flagging.

## **(b) Sampling Procedure**

The work was carried out on the four grids as described in the following table:

<b>GRID</b>	<b>LINE SPACING</b>	<b>SAMPLE SPACING</b>	<b>NUMBER OF SAMPLES</b>	<b>SURVEY LENGTH</b>	<b>NUMBER OF LINES</b>
<b>Surprise Showing</b>	50 m	25 m	417	10,425 m	11
<b>Surprise 2</b>	25 m	25 m	87	2,175 m	12
<b>Surprise 3</b>	100 m	25 m	65	1,625 m	4
<b>Birch</b>	100/200 m	25 m	491	12,475 m	7
<b>TOTAL</b>			1,060	26,700 m	34

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 111 samples were then packaged and sent to SGS Minerals located at 1885 Leslie Street, Toronto, Ontario. (This is only one of two labs in the world that do MMI analysis, the other being in Perth, Australia where the MMI method was developed.)

## **(c) 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 45 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 45 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.

## **(d) Compilation of Data**

Seven elements, or metals, were chosen out of the 45 reported on and these were gold, silver, copper, lead, zinc, cobalt, and nickel. The mean background value was calculated for each of the seven metals 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 two lines of the seven metals as shown on figures #6 through to #9, inclusive. The first stacked histogram included copper, gold and silver, and the second one included copper, lead, zinc, nickel, and cobalt.

## **DISCUSSION OF RESULTS**

### **a) Surprise Showing Grid**

Very strong MMI gold results occur on the west side of the grid. These results correlate with the IP anomalies. Anomalous copper results also correlate with the west side anomalous gold results.

A second anomalous gold anomaly occurs on the east side of the grid. No IP was done this far west and thus there is no IP correlation

### **b) Surprise 2 Grid**

A copper-gold anomaly occurs within the center of the grid and is about 80 meters long striking in a northeast direction with it being open to both the northeast and southwest.

A strong gold anomaly also occurs within the northwest corner of the grid.

### **c) Surprise 3 Grid**

The main anomaly of exploration interest is 300 meters long, strikes north-northeasterly, and consists of copper and gold results. It is open both to the north and to the south, but the strongest part of the anomaly is at the southern edge and the weakest part is at the northern edge.

### **d) Birch Grid**

The most interesting point within the results within this survey is a strong copper anomaly striking north-south and occurring on the western edge of the grid area. The anomaly is about 600 meters in strike length and about 100 meters wide.

Also of strong exploration interest is a strong molybdenum anomaly occurring on the east side of the grid. This anomaly strikes northeasterly, has a minimum 1200-meter strike length being open to the southwest, and is also about 100 meters wide.

## **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 40 years, and have been active in the mining industry for the past 43 years.
3. This report is compiled from data obtained from MMI soil sampling surveys carried out by a crew of Geotronics Consulting under my supervision over the Surprise Showing Grid, the Surprise 2 Grid, the Surprise 3 Grid, and the Birch Grid occurring on Spruce Mountain within the Atlin area. All four grids occur within the Surprise Lake Property located on and to the west of Surprise Lake within the Atlin Mining Division of British Columbia. The work was done during the period of June 20<sup>th</sup> to August 4<sup>th</sup>, 2007.
4. I am a director of Double Crown Ventures Ltd, and own 100,000 shares in the company. However, I do not expect to receive any further interest as a result of writing this report.

David G. Mark, P.Geo.  
Geophysicist

July 25, 2008

## **AFFIDAVIT OF EXPENSES**

MMI soil sampling with grid emplacement was carried out over four grids located within the Surprise Lake Property, which occurs on Pine Creek at the west end of Surprise Lake, located 11 km 70°E of the village of Atlin, B.C. This work was done during the period of June 20<sup>th</sup> to August 4<sup>th</sup> 2007, and to the value of the following:

<b><u>FIELD:</u></b>		
Mob/demob from Vancouver - Atlin, return Double Crown's share	\$ 3,820.00	
MMI Survey, 3-man crew, 17 days @ \$1,000/day	\$17,000.00	
MMI Survey, 4-man crew, 7 days @ \$1,300/day	<u>9,100.00</u>	
<b>TOTAL</b>	<b>\$29,920.00</b>	<b>\$29,920.00</b>
<b><u>Lab:</u></b>		
Laboratory testing of 1,060 samples @ \$35/sample	37,100.00	
Courier costs for sample shipping	<u>\$1,245.00</u>	
<b>TOTAL</b>	<b>\$38,345.00</b>	<b>\$38,345.00</b>
<b><u>DATA REDUCTION and REPORT:</u></b>		
MMI data organizing and reduction, 65 hours @ \$40/hour	\$2,600.00	
Senior Geophysicist, 38 hours @ \$50/hour	<u>\$1,900.00</u>	
<b>TOTAL</b>	<b>\$4,500.00</b>	<b>\$4,500.00</b>
<b>GRAND TOTAL</b>		<b><u>\$72,765.00</u></b>

Respectfully submitted,  
Geotronics Surveys Ltd.

David G. Mark, P.Geo,  
Geophysicist

July 25, 2008



**APPENDIX –GEOCHEMISTRY DATA**

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Surprise	Showing	Grid														
Line ON																
ON	375W	5	102	10	1.1	1580	<1	250	4	194	51	<100	580	39	18.6	9
ON	350W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ON	325W	3	210	10	0.1	540	<1	100	21	65	162	<100	450	25	13.5	4.2
ON	300W	9	115	<10	1.2	2030	<1	230	6	188	90	<100	680	67	36.2	15
ON	275W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ON	250W	32	78	<10	1	1670	<1	280	10	123	101	<100	370	65	30.2	18.9
ON	225W	34	41	<10	1.4	1200	<1	440	5	23	38	<100	600	22	11.1	6.4
ON	200W	20	66	<10	1.2	1000	<1	290	9	115	56	<100	700	63	31.7	17.1
ON	175W	21	45	<10	0.7	1280	<1	410	7	50	85	<100	490	18	9.1	5.5
ON	150W	7	121	<10	0.3	990	<1	230	19	102	99	<100	400	39	19.2	9.6
ON	125W	3	89	40	0.1	740	<1	160	24	76	167	200	240	12	5.7	3.9
ON	100W	6	105	<10	0.2	820	<1	280	14	58	59	300	390	27	14	7.7
ON	75W	7	142	<10	0.2	630	<1	230	10	41	25	100	420	26	12.5	6.2
ON	50W	6	126	20	0.4	980	<1	220	8	71	27	200	450	25	11.8	6.7
ON	25W	4	94	10	0.1	1060	<1	180	7	66	57	300	340	19	9.1	5.6
ON	BL	3	10	<10	0.2	890	<1	120	34	8	11	<100	140	33	20.1	4.8
ON	25E	6	12	<10	0.5	570	<1	60	9	10	74	<100	80	13	6.1	3.8
ON	50E	16	4	<10	0.9	370	<1	40	3	5	92	<100	210	23	10.6	8.5
ON	75E	5	33	<10	0.6	360	<1	60	7	39	66	<100	120	19	8.9	5
ON	100E	4	63	<10	0.1	340	<1	90	7	22	26	200	200	19	9.5	5.2
ON	125E	3	104	20	0.3	680	<1	70	9	116	109	500	260	24	11.4	7
ON	150E	4	83	<10	<0.1	720	<1	140	11	29	54	200	270	20	11.4	4.5
ON	175E	4	88	<10	0.2	880	<1	110	6	66	88	300	220	28	15.1	6.7
ON	200E	3	116	10	0.2	800	<1	100	7	48	34	400	130	16	8.8	4.1
ON	225E	3	40	10	0.2	550	<1	90	7	27	69	200	140	8	3.8	2.4
ON	250E	4	42	<10	0.2	590	<1	140	9	6	36	200	140	5	2.8	1.2
ON	275E	5	59	<10	0.2	590	<1	130	4	6	22	<100	130	6	3.1	1.4
ON	300E	3	164	60	0.3	610	<1	40	4	134	190	500	350	36	18.7	8.5
ON	325E	5	43	30	0.2	680	<1	100	9	53	379	400	210	7	3.6	2
ON	350E	4	100	50	0.2	710	<1	80	10	56	197	600	190	13	6.3	3.7
ON	375E	3	150	30	0.1	1300	<1	80	16	73	139	500	130	15	8.3	3.9
ON	400E	5	164	20	0.4	1060	<1	50	7	34	349	300	240	9	5.2	1.9
ON	425E	16	222	40	0.4	860	<1	30	10	109	411	400	180	22	10.4	5.1
ON	450E	18	238	20	0.2	730	<1	20	8	65	77	300	150	12	5.3	3.1
ON	475E	5	75	20	0.3	1370	<1	70	12	51	218	200	160	8	4.3	2.3
ON	500E	3	84	20	0.3	1160	<1	70	8	66	88	300	160	12	5.9	3.1
ON	525E	3	163	20	0.1	810	<1	50	9	52	46	400	130	12	6.1	3.1
ON	550E	5	211	50	0.3	710	<1	40	18	93	280	900	220	24	13.1	5.9
ON	575E	2	213	<10	<0.1	980	<1	20	30	43	127	100	220	25	13.8	3.8
ON	600E	10	247	30	0.2	760	<1	<10	11	55	151	300	260	23	12.2	4.3
ON	625E	10	201	50	0.5	1150	<1	30	8	189	270	500	340	26	12.4	7.3
Line 50N																
50N	325W	8	82	<10	3.7	1330	<1	450	4	49	184	<100	740	34	22.4	5.8
50N	300W	9	127	<10	7.9	1310	<1	280	2	95	75	<100	600	48	27.5	9.2
50N	275W	5	154	20	1.2	1500	<1	150	3	298	168	<100	850	99	55.7	19.9
50N	250W	160	4	<10	11.7	1140	<1	470	8	<5	256	<100	760	6	4.3	1.3
50N	225W	2	82	<10	0.2	470	<1	200	35	18	171	<100	210	33	23.9	3.2
50N	200W	3	16	<10	0.4	550	<1	360	13	<5	19	<100	210	3	2.8	<0.5
50N	175W	6	118	10	<0.1	730	<1	170	7	51	170	100	130	11	6.2	2.7

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
Surprise	Showing	Grid															
Line ON																	
ON	375W	22	45	93	<5	72	<5	1.1	118	225	10	<1	26	<1	67	2	65
ON	350W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ON	325W	82	21	26	9	36	<5	1.4	44	503	20	<1	9	<1	87	1	47
ON	300W	21	74	83	<5	28	<5	<0.5	161	124	20	<1	32	<1	67	<1	107
ON	275W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ON	250W	29	85	82	<5	60	<5	<0.5	174	964	30	<1	33	<1	35	<1	57
ON	225W	14	28	18	<5	70	<5	<0.5	47	677	<10	<1	8	<1	28	<1	9
ON	200W	21	73	51	<5	81	<5	<0.5	133	3640	<10	<1	24	<1	27	<1	45
ON	175W	20	24	22	<5	68	<5	<0.5	49	886	<10	<1	9	<1	10	<1	10
ON	150W	76	41	38	7	50	<5	<0.5	83	1780	20	<1	16	<1	27	<1	50
ON	125W	59	15	25	<5	44	<5	1.5	41	422	30	<1	9	<1	84	1	36
ON	100W	35	34	34	<5	46	<5	<0.5	72	1010	10	<1	14	<1	59	<1	26
ON	75W	39	27	25	<5	33	<5	0.8	56	853	20	<1	10	<1	57	<1	46
ON	50W	48	30	35	<5	32	<5	1.1	71	1030	30	<1	14	<1	67	1	45
ON	25W	33	24	36	<5	46	<5	0.9	64	887	30	<1	14	<1	104	1	35
ON	BL	2	25	5	<5	79	<5	<0.5	21	6130	30	<1	3	<1	18	<1	19
ON	25E	3	18	10	<5	213	<5	<0.5	35	6340	<10	<1	6	<1	21	<1	13
ON	50E	2	33	12	<5	216	<5	<0.5	53	6880	<10	<1	7	<1	18	<1	56
ON	75E	11	25	24	<5	173	<5	<0.5	58	7820	<10	<1	11	<1	22	<1	37
ON	100E	13	24	20	<5	154	<5	<0.5	47	6410	<10	<1	9	<1	28	<1	49
ON	125E	47	29	49	<5	106	<5	1.3	87	3310	20	<1	19	<1	91	1	72
ON	150E	21	20	18	<5	127	<5	<0.5	37	4440	<10	<1	7	<1	56	<1	24
ON	175E	22	30	25	<5	113	<5	<0.5	59	3680	30	<1	11	<1	87	<1	47
ON	200E	46	18	26	<5	117	<5	1.1	46	3220	30	<1	10	<1	65	1	52
ON	225E	20	10	14	<5	147	<5	<0.5	29	3380	<10	<1	6	<1	57	<1	12
ON	250E	9	6	3	<5	131	<5	<0.5	8	4280	10	<1	2	<1	45	<1	9
ON	275E	9	7	3	<5	130	<5	<0.5	9	2030	20	<1	2	<1	28	<1	11
ON	300E	87	36	43	<5	44	<5	2.6	93	3730	80	<1	19	<1	53	2	120
ON	325E	42	8	13	<5	144	<5	0.8	24	2790	30	<1	5	<1	75	1	20
ON	350E	89	15	27	<5	103	<5	2.6	44	1610	60	<1	9	<1	90	2	39
ON	375E	73	16	28	<5	59	<5	3.5	43	806	100	<1	10	<1	72	2	36
ON	400E	137	7	10	<5	45	<5	2.6	16	1230	90	<1	4	<1	54	1	34
ON	425E	73	21	36	<5	40	<5	2.6	55	1080	70	<1	13	<1	92	2	53
ON	450E	72	12	26	<5	28	9	5.2	36	521	100	<1	8	<1	115	1	31
ON	475E	71	9	20	<5	96	9	4.6	28	885	140	<1	7	<1	81	2	25
ON	500E	67	13	28	<5	90	8	1.6	41	1110	110	<1	10	<1	96	2	41
ON	525E	80	13	20	<5	33	7	4.1	35	631	90	<1	8	<1	115	1	48
ON	550E	102	25	38	6	40	<5	4.8	69	1430	70	<1	15	<1	106	4	63
ON	575E	74	18	13	5	37	<5	3.7	34	1510	80	<1	7	<1	130	1	65
ON	600E	95	19	19	<5	16	<5	5.4	39	910	90	<1	8	<1	81	2	42
ON	625E	118	31	68	8	21	9	6.2	93	641	130	<1	22	<1	111	3	65
Line 50N																	
50N	325W	20	30	17	<5	28	<5	<0.5	44	408	<10	<1	8	<1	37	<1	38
50N	300W	34	47	37	<5	32	<5	<0.5	92	450	30	<1	17	<1	49	<1	84
50N	275W	49	103	108	<5	25	<5	1.4	228	392	70	<1	45	<1	76	1	156
50N	250W	4	6	<1	<5	123	<5	<0.5	5	5580	<10	<1	<1	<1	18	<1	11
50N	225W	44	19	9	<5	31	<5	<0.5	21	674	70	<1	4	<1	32	<1	20
50N	200W	3	3	<1	<5	23	<5	<0.5	2	1230	<10	<1	<1	<1	<5	<1	<5
50N	175W	69	13	18	7	46	<5	1.3	31	700	120	<1	7	<1	35	<1	22

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Surprise	Showing	Grid														
Line 0N																
0N	375W	33	<1	770	2	7	<10	9	195	0.8	16	4	208	12	60	19
0N	350W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
0N	325W	15	<1	290	<1	4	<10	7.3	784	<0.5	4	1	130	10	90	19
0N	300W	52	<1	730	<1	12	<10	10.7	144	0.7	25	<1	392	26	80	29
0N	275W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
0N	250W	57	<1	650	<1	12	<10	7	41	0.6	15	<1	338	21	100	14
0N	225W	17	<1	740	<1	4	<10	1.3	<3	0.6	7	<1	128	8	90	<5
0N	200W	47	<1	530	<1	11	<10	5.4	12	<0.5	14	<1	373	23	110	14
0N	175W	16	<1	690	<1	3	<10	1.6	8	<0.5	6	<1	106	6	60	<5
0N	150W	29	<1	480	<1	7	<10	8.4	106	<0.5	7	<1	207	13	310	12
0N	125W	12	<1	270	<1	2	<10	8.9	716	<0.5	5	<1	54	4	160	24
0N	100W	23	<1	420	<1	5	<10	3	66	<0.5	8	<1	145	10	210	9
0N	75W	19	<1	290	<1	5	<10	3.9	326	<0.5	15	<1	141	8	100	17
0N	50W	22	<1	250	<1	5	<10	8.7	383	0.7	14	<1	127	8	70	27
0N	25W	19	<1	220	<1	4	<10	6.5	391	<0.5	10	<1	93	7	60	21
0N	BL	12	<1	270	<1	5	<10	<0.5	<3	<0.5	3	<1	214	15	40	<5
0N	25E	13	<1	180	<1	3	<10	0.7	8	<0.5	3	<1	63	5	120	<5
0N	50E	24	<1	120	<1	5	<10	0.7	<3	<0.5	4	<1	116	8	40	<5
0N	75E	19	<1	110	<1	4	<10	2.7	23	<0.5	4	<1	97	7	50	8
0N	100E	16	<1	100	<1	4	<10	1.9	29	<0.5	7	<1	105	8	40	11
0N	125E	24	<1	130	<1	4	<10	10.1	542	0.8	4	<1	102	8	60	21
0N	150E	13	<1	200	<1	3	<10	1.7	81	<0.5	3	<1	111	8	140	8
0N	175E	21	<1	170	<1	5	<10	4.5	179	1	4	<1	140	11	60	13
0N	200E	13	<1	150	<1	3	<10	4.7	525	<0.5	6	<1	91	7	110	20
0N	225E	8	<1	160	<1	1	<10	2.3	154	<0.5	3	<1	42	3	80	8
0N	250E	4	<1	190	<1	<1	<10	0.5	28	<0.5	2	<1	26	2	220	<5
0N	275E	4	<1	190	<1	1	<10	0.7	90	<0.5	3	<1	30	3	70	7
0N	300E	27	<1	70	<1	6	<10	26.2	1280	0.7	16	<1	179	15	40	82
0N	325E	7	<1	160	<1	1	<10	5.6	391	<0.5	4	<1	32	3	90	15
0N	350E	12	<1	140	<1	2	<10	10.4	1660	<0.5	9	<1	64	5	80	30
0N	375E	12	<1	190	<1	3	<10	9.3	2050	<0.5	4	<1	78	6	170	29
0N	400E	5	<1	150	<1	1	<10	12.3	1540	<0.5	6	<1	42	4	70	35
0N	425E	17	<1	90	<1	4	<10	16	1340	0.8	8	<1	91	7	60	47
0N	450E	10	<1	70	<1	2	<10	14.9	3170	0.6	8	<1	50	4	60	53
0N	475E	8	<1	170	<1	1	<10	15	2160	<0.5	6	<1	40	4	150	45
0N	500E	11	<1	130	<1	2	<10	18.5	939	<0.5	9	<1	58	5	240	49
0N	525E	10	<1	90	<1	2	<10	17.5	2250	<0.5	9	<1	56	5	140	60
0N	550E	20	<1	90	<1	4	<10	19.5	3240	<0.5	10	2	120	10	230	54
0N	575E	12	<1	130	<1	4	<10	9.3	1730	<0.5	8	<1	133	10	410	34
0N	600E	13	<1	60	<1	4	<10	14.6	3030	<0.5	8	<1	105	9	220	41
0N	625E	25	<1	100	<1	5	<10	26.9	3910	0.6	13	2	113	9	130	90
Line 50N																
50N	325W	18	<1	680	<1	5	<10	1.5	15	<0.5	19	<1	222	18	40	8
50N	300W	32	<1	430	<1	8	<10	8.3	51	<0.5	21	<1	268	21	40	17
50N	275W	73	<1	280	<1	17	<10	25.6	764	0.6	23	<1	564	42	70	60
50N	250W	3	<1	880	<1	<1	<10	<0.5	<3	0.5	4	<1	40	3	50	<5
50N	225W	9	<1	400	<1	4	<10	1.5	29	<0.5	5	<1	234	16	310	<5
50N	200W	1	<1	540	<1	<1	<10	<0.5	<3	<0.5	<1	<1	24	2	30	<5
50N	175W	10	<1	300	<1	2	<10	8.7	685	<0.5	4	<1	52	4	170	15

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
50N	150W	29	64	<10	2.9	1420	<1	420	4	42	126	<100	760	13	9.1	2.7
50N	125W	3	149	30	0.2	900	<1	100	30	64	111	400	220	12	7	3
50N	100W	10	36	<10	0.7	980	<1	340	9	42	176	100	670	8	4.4	2.2
50N	75W	2	240	10	<0.1	660	<1	40	16	81	64	200	320	33	15.8	6.1
50N	50W	4	173	30	0.2	530	<1	80	10	165	65	600	540	38	18.5	9.7
50N	25W	4	144	30	0.7	700	<1	140	15	67	97	400	270	15	7.8	4.4
50N	BL	11	6	<10	3.3	590	<1	80	11	<5	22	<100	150	13	6.2	3.4
50N	25E	4	94	<10	<0.1	450	<1	100	5	29	64	200	80	10	5.6	2.8
50N	50E	3	167	10	<0.1	1100	<1	100	9	113	159	300	280	28	14	8.1
50N	75E	10	116	20	0.6	1760	<1	110	12	221	435	300	430	18	8.8	6
50N	100E	4	71	10	0.3	730	<1	80	9	61	95	700	250	12	6.1	3.4
50N	125E	3	67	10	0.2	490	<1	80	6	46	74	400	190	14	6.9	3.9
50N	150E	4	59	10	0.3	400	<1	90	8	44	115	400	180	13	6.5	3.2
50N	175E	16	8	<10	3.2	330	<1	340	5	<5	14	<100	250	4	2.4	1.1
50N	200E	4	63	<10	<0.1	440	<1	320	39	25	111	100	70	9	5	2.5
50N	225E	4	36	<10	0.2	640	<1	210	14	<5	51	300	120	5	2.9	1.1
50N	250E	4	53	<10	0.3	730	<1	130	10	22	168	300	180	11	6.3	2.3
50N	275E	2	21	<10	0.2	460	<1	120	13	7	355	300	70	3	1.7	0.8
50N	300E	5	146	<10	0.1	760	<1	80	18	30	61	100	160	21	11	4.1
50N	325E	5	278	40	1.5	670	<1	30	8	64	88	900	200	19	8.9	4.1
50N	350E	3	92	<10	<0.1	480	<1	150	29	34	141	200	120	12	7	2.8
50N	375E	7	133	20	0.5	1170	<1	70	7	143	85	300	290	42	20.3	12.3
50N	400E	6	117	30	0.2	1190	<1	90	12	57	241	500	120	12	6.4	3
50N	425E	3	52	<10	<0.1	600	<1	130	16	11	58	<100	100	7	4.2	1.6
50N	450E	7	290	40	0.2	720	<1	<10	6	62	112	500	250	10	5	2.7
50N	475E	6	236	40	0.4	840	<1	40	7	65	74	600	240	29	14	6.9
50N	500E	3	205	40	<0.1	770	<1	40	9	45	125	400	140	17	9.2	3.6
50N	525E	5	134	60	0.8	710	<1	50	2	196	114	200	200	29	15.1	8.7
50N	550E	5	192	50	0.4	1210	<1	60	14	122	228	400	200	26	14.1	6.6
50N	575E	177	83	20	50	730	<1	180	16	22	12	<100	830	31	16.4	8.3
50N	600E	7	230	30	0.5	870	<1	40	11	37	155	200	200	19	10.2	3.3
50N	625E	5	185	10	0.4	1320	<1	90	24	63	169	200	170	36	20.1	6.8
Line 100N																
100N	225W	15	13	<10	0.7	1230	<1	600	5	13	9	<100	570	18	12.8	3.6
100N	200W	8	78	<10	0.5	930	<1	250	5	86	87	<100	260	18	8	5.2
100N	175W	9	84	<10	1.3	2910	<1	300	6	103	215	<100	440	25	14.6	5.7
100N	150W	9	102	<10	1.5	600	<1	270	5	22	86	<100	1120	78	53.2	8.6
100N	125W	27	3	<10	1.6	2510	<1	550	6	<5	55	<100	1050	4	3.4	0.6
100N	100W	23	26	<10	2.3	1620	<1	430	6	10	22	<100	1320	12	7.8	2.7
100N	75W	2	34	<10	1.6	650	<1	330	9	<5	122	<100	5420	3	3.1	<0.5
100N	50W	<1	37	<10	0.6	370	<1	280	16	<5	132	<100	4050	1	1.4	<0.5
100N	25W	4	69	<10	0.3	780	<1	170	13	108	54	100	300	25	11.8	7.4
100N	BL	30	21	<10	5.1	760	<1	200	39	12	455	<100	690	7	4.6	1.5
100N	25E	21	3	<10	2.3	1090	<1	120	12	13	147	<100	100	23	10.6	4.6
100N	50E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
100N	75E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
100N	100E	4	40	<10	0.2	1260	<1	150	9	53	47	100	190	23	11.5	6.8
100N	125E	6	54	<10	0.3	1670	<1	190	13	76	193	<100	160	44	20.7	14.6
100N	150E	13	38	<10	0.5	2430	<1	350	12	21	460	<100	500	15	11.4	3.2
100N	175E	5	77	<10	0.2	1400	<1	140	11	75	144	100	270	38	19.4	9.1
100N	200E	3	89	<10	<0.1	770	<1	90	13	9	430	<100	200	20	13.4	2.4

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
50N	150W	12	13	12	<5	44	<5	0.7	24	1060	20	<1	5	<1	20	<1	11
50N	125W	107	13	23	6	23	<5	4	38	618	60	<1	8	<1	63	1	53
50N	100W	30	9	9	<5	82	<5	<0.5	22	1110	10	<1	4	<1	21	<1	10
50N	75W	48	30	26	<5	15	<5	2.1	61	843	60	<1	12	<1	61	<1	38
50N	50W	59	42	58	<5	16	<5	2.5	115	489	60	<1	24	<1	102	2	103
50N	25W	86	18	29	<5	28	<5	2.6	52	820	60	<1	11	<1	69	1	57
50N	BL	2	16	3	<5	231	<5	<0.5	18	7250	<10	<1	2	<1	21	<1	14
50N	25E	41	12	17	<5	130	<5	1.4	32	3880	20	<1	7	<1	50	1	37
50N	50E	85	32	43	<5	55	<5	4	92	1330	40	<1	19	<1	76	<1	66
50N	75E	67	23	63	<5	61	5	1.9	86	1740	90	<1	21	<1	87	2	53
50N	100E	45	14	23	<5	139	<5	0.7	42	3530	10	<1	9	<1	64	1	44
50N	125E	35	16	20	<5	170	<5	<0.5	42	4380	<10	<1	9	<1	70	1	42
50N	150E	36	14	20	<5	151	<5	<0.5	38	3700	20	<1	8	<1	59	1	35
50N	175E	5	4	<1	<5	37	<5	<0.5	5	536	<10	<1	<1	<1	16	<1	6
50N	200E	18	11	11	<5	70	<5	<0.5	22	2560	10	<1	4	<1	32	<1	7
50N	225E	5	5	1	<5	112	<5	<0.5	4	1860	<10	<1	<1	<1	30	<1	6
50N	250E	21	11	9	<5	120	<5	<0.5	18	2510	20	<1	4	<1	79	<1	17
50N	275E	11	3	2	<5	152	<5	<0.5	6	1140	<10	<1	1	<1	93	<1	<5
50N	300E	50	18	13	<5	99	<5	0.9	33	2290	30	<1	6	<1	35	<1	57
50N	325E	88	18	27	<5	46	<5	3.1	42	1450	60	<1	9	<1	77	2	39
50N	350E	28	12	12	<5	134	<5	0.7	26	3230	40	<1	5	<1	69	<1	29
50N	375E	50	53	107	<5	78	<5	2	161	1320	60	<1	36	<1	81	2	83
50N	400E	79	13	24	<5	107	<5	2	35	1980	80	<1	8	<1	95	2	29
50N	425E	8	7	5	<5	119	<5	<0.5	12	2450	40	<1	2	<1	79	<1	7
50N	450E	134	11	24	7	15	14	6.6	32	631	200	<1	8	<1	108	2	40
50N	475E	78	30	35	5	41	5	5.3	77	970	50	<1	15	<1	89	2	58
50N	500E	72	15	18	<5	37	<5	4.8	38	964	60	<1	8	<1	93	1	56
50N	525E	68	37	83	<5	73	<5	1.4	121	1420	20	<1	28	<1	120	2	46
50N	550E	106	29	49	<5	49	6	7	86	1570	120	<1	19	<1	124	3	55
50N	575E	12	37	18	<5	140	<5	<0.5	53	1710	70	<1	9	<1	49	2	18
50N	600E	95	15	12	<5	34	<5	3.6	32	1080	90	<1	6	<1	107	2	41
50N	625E	64	31	27	<5	80	<5	1	63	2290	100	<1	12	<1	52	<1	77
Line 100N																	
100N	225W	5	19	12	<5	18	<5	<0.5	22	421	<10	<1	4	<1	5	<1	<5
100N	200W	33	22	31	<5	38	<5	<0.5	59	385	40	<1	12	<1	91	<1	24
100N	175W	5	26	70	<5	27	<5	<0.5	68	684	90	<1	16	<1	69	<1	12
100N	150W	13	46	15	<5	16	<5	<0.5	43	1350	50	<1	7	<1	12	<1	20
100N	125W	3	3	1	<5	32	<5	<0.5	4	428	<10	<1	<1	<1	30	<1	<5
100N	100W	6	13	9	<5	47	<5	<0.5	23	1070	<10	<1	4	<1	21	<1	<5
100N	75W	15	2	2	<5	12	<5	<0.5	5	1370	<10	<1	<1	<1	7	<1	<5
100N	50W	24	<1	<1	<5	13	<5	<0.5	2	1170	<10	<1	<1	<1	10	<1	<5
100N	25W	25	32	41	<5	76	<5	<0.5	86	1990	<10	<1	17	<1	88	<1	33
100N	BL	4	7	5	<5	38	<5	<0.5	11	4150	<10	<1	2	<1	48	<1	<5
100N	25E	1	28	13	<5	165	<5	<0.5	31	1500	<10	<1	5	<1	23	<1	12
100N	50E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
100N	75E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
100N	100E	8	29	26	<5	68	<5	<0.5	58	1530	10	<1	11	<1	70	<1	17
100N	125E	7	57	71	<5	43	<5	<0.5	124	1810	20	<1	25	<1	83	<1	22
100N	150E	5	14	21	<5	19	<5	<0.5	34	2320	<10	<1	7	<1	66	<1	9
100N	175E	8	39	38	<5	40	<5	<0.5	69	2610	30	<1	14	<1	144	<1	33
100N	200E	8	13	4	<5	26	<5	<0.5	12	4350	20	<1	2	<1	65	<1	18

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
50N	150W	8	<1	770	1	2	<10	2.4	<3	<0.5	8	3	70	7	40	<5
50N	125W	11	<1	170	<1	2	<10	15.3	1940	<0.5	7	1	59	5	1170	41
50N	100W	7	<1	620	<1	1	<10	3.2	18	<0.5	6	<1	42	4	150	7
50N	75W	20	<1	130	<1	5	<10	8.9	903	<0.5	6	<1	157	11	620	23
50N	50W	33	<1	100	<1	7	<10	26	1210	<0.5	16	<1	174	15	320	64
50N	25W	15	<1	180	<1	3	<10	12.5	1310	<0.5	11	<1	79	6	390	37
50N	BL	10	<1	240	<1	2	<10	<0.5	<3	<0.5	1	<1	65	5	60	<5
50N	25E	9	<1	120	<1	2	<10	4.8	613	<0.5	9	<1	54	4	70	23
50N	50E	26	<1	200	<1	5	<10	15.8	1490	0.5	7	<1	129	10	120	30
50N	75E	21	<1	280	<1	4	<10	17.4	1070	0.8	12	<1	84	7	130	55
50N	100E	12	<1	180	<1	2	<10	6.8	309	<0.5	4	<1	56	5	120	18
50N	125E	13	<1	140	<1	3	<10	4	174	<0.5	5	<1	71	5	60	15
50N	150E	11	<1	130	<1	2	<10	3.7	215	<0.5	4	<1	62	5	330	11
50N	175E	2	<1	400	<1	<1	<10	<0.5	7	<0.5	3	<1	32	2	30	<5
50N	200E	7	<1	220	<1	1	<10	1.8	39	<0.5	12	<1	70	4	390	8
50N	225E	3	<1	260	<1	<1	<10	<0.5	3	<0.5	1	<1	26	2	130	<5
50N	250E	7	<1	260	<1	2	<10	1.6	153	<0.5	2	<1	55	5	230	5
50N	275E	2	<1	240	<1	<1	<10	0.7	89	<0.5	1	<1	16	1	490	<5
50N	300E	11	<1	210	<1	3	<10	4	342	<0.5	9	<1	108	8	80	13
50N	325E	13	<1	60	<1	3	<10	9.7	2520	0.5	8	1	82	6	40	41
50N	350E	9	<1	180	<1	2	<10	3.8	259	<0.5	8	<1	61	5	520	14
50N	375E	43	<1	120	<1	8	<10	17	1000	0.5	16	<1	226	15	100	51
50N	400E	10	<1	250	<1	2	<10	6.8	1030	<0.5	3	<1	60	5	90	20
50N	425E	5	<1	210	<1	1	<10	0.9	72	<0.5	2	<1	38	3	690	<5
50N	450E	8	<1	60	<1	2	<10	27.9	4010	0.6	12	1	45	4	160	92
50N	475E	23	<1	100	<1	5	<10	13.6	3170	<0.5	15	<1	156	11	190	56
50N	500E	11	<1	90	<1	3	<10	10.2	2410	<0.5	8	<1	87	7	190	33
50N	525E	31	<1	70	<1	6	<10	11.4	840	<0.5	9	<1	168	12	30	41
50N	550E	22	<1	160	<1	5	<10	14.8	4010	<0.5	9	1	147	11	450	48
50N	575E	22	<1	340	<1	6	<10	3.4	50	<0.5	24	<1	162	11	100	19
50N	600E	10	<1	160	<1	3	<10	7.3	1890	<0.5	5	<1	101	8	320	24
50N	625E	21	<1	370	<1	6	<10	11.5	438	<0.5	21	<1	209	15	310	28
Line 100N																
100N	225W	8	<1	1410	<1	3	<10	<0.5	<3	<0.5	<1	<1	109	10	40	<5
100N	200W	18	<1	560	<1	3	<10	5.9	111	<0.5	5	<1	87	6	90	10
100N	175W	16	<1	840	<1	4	<10	6.4	<3	1.1	2	<1	139	10	110	9
100N	150W	18	<1	730	<1	10	<10	1.5	<3	<0.5	7	<1	617	38	150	<5
100N	125W	2	<1	990	<1	<1	<10	<0.5	<3	<0.5	2	<1	24	3	<20	<5
100N	100W	8	<1	750	<1	2	<10	1	<3	<0.5	5	<1	74	6	60	<5
100N	75W	1	<1	650	<1	<1	<10	<0.5	<3	<0.5	4	<1	22	3	30	<5
100N	50W	<1	<1	560	<1	<1	<10	<0.5	<3	<0.5	3	<1	11	2	80	<5
100N	25W	25	<1	380	<1	5	<10	4.9	58	<0.5	5	<1	146	8	20	10
100N	BL	4	<1	470	<1	1	<10	<0.5	3	0.5	2	<1	39	4	50	<5
100N	25E	16	<1	460	<1	4	<10	<0.5	<3	<0.5	1	<1	126	7	30	<5
100N	50E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
100N	75E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
100N	100E	20	<1	480	<1	4	<10	2.3	36	<0.5	2	<1	120	8	80	5
100N	125E	36	<1	610	<1	8	<10	2	7	<0.5	3	<1	246	13	70	<5
100N	150E	9	<1	1480	<1	2	<10	<0.5	<3	<0.5	2	<1	94	10	30	<5
100N	175E	25	<1	420	<1	6	<10	3	35	0.6	2	<1	199	14	60	<5
100N	200E	6	<1	280	<1	3	<10	1.1	10	0.8	<1	<1	127	10	50	<5

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
100N	225E	5	119	<10	0.3	670	<1	120	6	81	45	400	170	17	7.8	5.2
100N	250E	2	108	<10	0.1	700	<1	190	11	39	48	300	90	13	6.7	2.9
100N	275E	4	73	<10	0.1	450	<1	200	16	9	337	100	200	4	2.4	0.7
100N	300E	3	193	30	0.2	310	<1	10	7	234	106	700	160	29	12.3	8.6
100N	325E	4	180	30	0.4	480	<1	40	5	131	88	600	180	21	10.7	6.2
100N	350E	3	94	10	0.1	570	<1	90	9	55	51	300	120	13	6.5	3.3
100N	375E	2	125	20	0.1	620	<1	40	5	18	227	300	360	3	2	0.5
100N	400E	5	145	10	0.5	840	<1	40	9	133	817	200	360	31	15.9	6.4
100N	425E	9	231	20	0.3	590	<1	<10	6	114	302	300	350	17	8.7	4.2
100N	450E	5	191	40	0.3	450	<1	10	9	206	283	700	520	28	13.3	7.1
100N	475E	3	162	20	0.3	480	<1	60	7	123	85	400	250	27	13.6	7.6
100N	500E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
100N	525E	3	64	10	0.4	850	<1	120	19	40	71	100	120	15	7.8	3.2
100N	550E	3	72	40	0.7	930	<1	100	15	81	139	300	170	18	9.6	4.8
100N	575E	6	104	30	0.9	780	<1	80	6	76	742	300	300	13	7	3.5
100N	600E	13	46	<10	1.4	470	<1	110	10	<5	32	<100	670	39	30.2	2.3
100N	625E	10	11	<10	0.5	760	<1	200	23	<5	11	<100	90	6	4.1	0.6
Line 150N																
150N	300W	2	136	10	1.5	1710	<1	210	3	131	54	<100	330	26	12.3	6.6
150N	275W	5	142	20	1.5	2240	<1	170	5	349	496	200	1080	46	22.3	12
150N	250W	11	142	10	0.5	2790	<1	240	6	323	288	<100	660	49	23.6	12.7
150N	225W	11	96	10	1	3050	<1	300	10	212	48	<100	340	50	23	15.2
150N	200W	3	93	<10	<0.1	1720	<1	300	17	74	80	100	220	10	4.5	3.5
150N	175W	3	55	<10	<0.1	2490	<1	430	8	56	17	<100	360	11	4.5	3.9
150N	150W	5	75	<10	0.2	1420	<1	430	4	109	29	<100	510	27	11.7	9.1
150N	125W	29	63	<10	0.9	1350	<1	210	14	178	113	200	490	46	21.4	14.9
150N	100W	17	32	<10	0.6	7270	<1	720	6	66	6	<100	430	52	27.8	15.1
150N	75W	20	34	<10	1.2	2780	<1	320	13	90	13	<100	490	41	19.7	13.3
150N	50W	15	49	<10	1.4	1450	<1	200	10	35	14	<100	250	15	7.1	4.3
150N	25W	14	53	<10	0.5	2780	<1	370	7	88	26	100	590	24	11.7	7.2
150N	0E	4	48	10	0.2	690	<1	220	10	41	29	100	240	9	4.2	2.9
150N	25E	7	64	<10	0.3	770	<1	270	23	43	28	<100	250	14	6.5	3.9
150N	50E	25	23	<10	2.4	1830	<1	220	8	67	12	<100	350	42	21.4	12.7
150N	75E	14	16	<10	1	840	<1	230	12	8	7	<100	190	7	3.4	2.3
150N	100E	22	8	<10	2.2	590	<1	110	14	9	31	<100	550	12	5.8	4.2
150N	125E	6	69	10	0.4	1350	<1	190	4	194	25	100	270	64	28.6	25.1
150N	150E	4	147	20	0.2	680	<1	130	6	265	115	600	260	40	17.1	14.1
150N	175E	3	162	20	<0.1	640	<1	120	8	154	78	500	140	30	12.5	10.6
150N	200E	4	120	<10	<0.1	1000	<1	160	19	148	85	300	140	27	12.3	8.6
150N	225E	4	119	<10	<0.1	970	<1	160	10	75	203	200	150	17	7.9	4.5
150N	250E	4	120	10	<0.1	600	<1	120	5	94	42	400	150	23	10.9	6.6
150N	275E	5	169	20	0.2	750	<1	100	8	172	494	600	320	30	14.7	8.3
150N	300E	7	196	<10	0.2	270	<1	<10	12	111	95	<100	180	36	18.6	7.1
150N	325E	3	62	10	0.2	1130	<1	110	6	70	711	200	380	7	4	2.1
150N	350E	4	262	10	<0.1	410	<1	<10	14	27	55	200	230	9	5.3	1.5
150N	375E	4	88	30	0.1	490	<1	90	14	59	354	800	160	6	2.8	1.6
150N	400E	7	191	10	0.1	710	<1	70	18	131	99	300	300	20	9.1	5.4
150N	425E	4	195	30	<0.1	720	<1	40	13	111	122	500	210	19	8.9	4.7
150N	450E	6	222	30	0.1	680	<1	10	6	118	47	500	200	20	10.1	5.2
150N	475E	3	131	30	0.1	1220	<1	40	15	176	1600	600	240	14	6.9	3.5
150N	500E	7	166	50	0.3	940	<1	70	8	322	153	400	190	38	18.1	10.4



ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
100N	225E	38	21	34	<5	60	<5	0.7	64	2160	20	<1	13	<1	91	<1	37
100N	250E	32	13	15	<5	63	<5	<0.5	31	1610	20	<1	6	<1	39	<1	31
100N	275E	16	3	3	<5	40	<5	<0.5	7	1540	10	<1	1	<1	55	<1	7
100N	300E	48	34	73	<5	3	<5	2.9	115	492	60	<1	26	<1	116	1	61
100N	325E	61	26	53	<5	22	<5	3.9	88	977	60	<1	19	<1	116	1	54
100N	350E	39	15	23	<5	73	<5	2.5	44	1090	50	<1	9	<1	89	<1	38
100N	375E	225	2	6	<5	34	6	6.6	7	1210	20	<1	2	<1	76	1	26
100N	400E	51	29	49	<5	35	<5	0.7	75	1480	50	<1	17	<1	141	1	71
100N	425E	52	18	33	<5	5	9	3.5	47	500	120	<1	11	<1	108	1	45
100N	450E	97	30	58	<5	7	11	4.2	96	1530	70	<1	21	<1	100	2	74
100N	475E	54	32	45	<5	43	<5	1.8	93	1380	50	<1	19	<1	114	1	74
100N	500E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
100N	525E	21	15	18	<5	124	<5	1.2	38	1580	60	<1	7	<1	65	<1	21
100N	550E	52	21	29	7	121	<5	1.9	57	1650	150	<1	12	<1	131	2	38
100N	575E	54	15	27	<5	89	<5	1.9	43	1260	100	<1	9	<1	135	2	29
100N	600E	3	16	<1	<5	16	<5	<0.5	8	1170	50	<1	<1	<1	7	<1	7
100N	625E	1	4	<1	<5	61	<5	<0.5	2	1120	10	<1	<1	<1	13	<1	<5
Line 150N																	
150N	300W	35	29	45	<5	24	<5	0.5	85	214	30	<1	18	<1	108	<1	34
150N	275W	79	56	129	<5	35	<5	1.4	181	465	70	<1	42	<1	97	<1	87
150N	250W	42	60	106	<5	45	<5	<0.5	169	247	50	<1	36	<1	88	<1	58
150N	225W	33	65	103	<5	65	<5	<0.5	181	392	30	<1	38	<1	101	<1	46
150N	200W	37	13	23	<5	40	<5	0.5	41	326	60	<1	9	<1	140	<1	13
150N	175W	24	16	26	<5	46	<5	<0.5	50	344	10	<1	10	<1	34	<1	<5
150N	150W	29	36	64	<5	57	<5	<0.5	111	518	20	<1	23	<1	46	<1	17
150N	125W	25	59	62	<5	115	<5	<0.5	144	2480	20	<1	28	<1	89	<1	60
150N	100W	11	62	48	<5	73	<5	<0.5	115	1470	<10	<1	20	<1	30	<1	13
150N	75W	9	55	64	8	139	<5	<0.5	136	1060	10	<1	26	<1	78	<1	39
150N	50W	9	17	13	<5	146	<5	<0.5	37	1340	10	<1	7	<1	60	<1	10
150N	25W	22	30	39	<5	101	<5	<0.5	74	852	30	<1	15	<1	71	<1	24
150N	0E	35	11	22	<5	63	6	0.8	37	559	40	<1	8	<1	66	<1	12
150N	25E	19	17	21	<5	94	<5	0.7	43	1380	20	<1	9	<1	64	<1	12
150N	50E	9	55	84	<5	180	<5	<0.5	140	4500	20	<1	28	<1	54	<1	39
150N	75E	4	10	10	<5	184	<5	<0.5	20	2230	20	<1	4	<1	15	<1	9
150N	100E	2	17	7	<5	294	<5	<0.5	29	5170	40	<1	4	<1	26	<1	17
150N	125E	23	97	189	<5	77	<5	<0.5	336	1100	30	<1	74	<1	102	<1	64
150N	150E	49	53	106	<5	37	<5	1.4	183	1920	40	<1	42	<1	134	<1	76
150N	175E	58	39	60	<5	44	<5	2.5	125	1580	30	<1	27	<1	64	<1	56
150N	200E	46	35	64	<5	107	<5	3.1	111	2100	30	<1	25	<1	74	<1	42
150N	225E	42	19	32	<5	101	<5	1.7	52	1760	50	<1	12	<1	92	<1	29
150N	250E	36	27	44	<5	86	<5	0.9	77	2300	30	<1	17	<1	76	<1	57
150N	275E	70	34	62	<5	35	<5	3.4	103	1280	70	<1	24	<1	125	1	77
150N	300E	20	31	33	<5	2	<5	0.8	82	533	130	<1	18	<1	56	<1	46
150N	325E	95	8	22	<5	99	10	3.4	30	1510	70	<1	7	<1	164	1	35
150N	350E	62	7	9	<5	8	<5	2.4	15	661	60	<1	4	<1	92	<1	26
150N	375E	83	7	17	<5	109	<5	2.5	22	1360	60	<1	6	<1	86	1	28
150N	400E	60	22	47	<5	31	7	3.2	70	1280	80	<1	16	<1	116	<1	40
150N	425E	68	19	39	<5	34	<5	6.4	60	778	80	<1	14	<1	109	2	51
150N	450E	86	20	46	<5	8	10	8.4	70	494	110	<1	16	<1	115	2	44
150N	475E	75	14	41	<5	49	7	3	50	1530	170	<1	13	<1	82	1	36
150N	500E	61	43	111	<5	26	<5	2.6	154	1130	70	<1	39	<1	146	2	73

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
100N	225E	17	<1	180	<1	3	<10	7.6	329	1.1	7	<1	90	6	30	22
100N	250E	9	<1	250	<1	2	<10	3.7	71	<0.5	7	<1	73	5	50	13
100N	275E	2	<1	230	<1	<1	<10	0.7	33	<0.5	4	<1	20	2	140	5
100N	300E	29	<1	20	<1	5	<10	22.1	1550	0.6	15	<1	127	9	40	81
100N	325E	22	<1	60	<1	4	<10	21	1430	0.6	12	<1	119	8	70	76
100N	350E	12	<1	140	<1	2	<10	15.9	979	0.6	7	<1	67	5	40	39
100N	375E	2	<1	220	<1	<1	<10	8.1	2630	<0.5	6	<1	17	2	330	44
100N	400E	22	<1	140	<1	5	<10	18	350	1	15	<1	149	11	40	39
100N	425E	14	<1	30	<1	3	<10	28.7	1850	0.7	19	<1	77	7	120	97
100N	450E	25	<1	20	<1	5	<10	35.9	1930	0.6	22	1	127	10	190	150
100N	475E	27	<1	90	<1	5	<10	16.9	900	<0.5	11	<1	143	10	110	54
100N	500E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
100N	525E	11	<1	330	<1	2	<10	4.1	437	<0.5	4	<1	81	6	190	14
100N	550E	16	<1	290	<1	3	<10	8.5	1020	<0.5	5	<1	108	7	380	27
100N	575E	12	<1	300	<1	2	<10	12	1160	<0.5	9	<1	73	5	40	42
100N	600E	5	<1	590	<1	4	<10	<0.5	<3	<0.5	5	<1	310	23	80	<5
100N	625E	2	<1	680	<1	<1	<10	<0.5	<3	<0.5	2	<1	39	3	400	<5
Line 150N																
150N	300W	24	<1	360	<1	5	<10	11.7	371	0.5	6	<1	122	9	30	21
150N	275W	47	<1	370	<1	9	<10	38.2	1160	0.6	22	<1	208	17	130	70
150N	250W	48	<1	460	<1	9	<10	16.6	256	0.8	14	<1	252	17	30	23
150N	225W	50	<1	820	<1	10	<10	8.8	84	0.8	7	<1	264	15	230	15
150N	200W	11	<1	540	<1	2	<10	5.8	318	<0.5	4	<1	46	3	380	11
150N	175W	14	<1	660	<1	2	<10	3.4	22	<0.5	4	<1	52	3	70	5
150N	150W	31	<1	790	<1	5	<10	6.3	33	0.5	6	<1	146	8	<20	8
150N	125W	45	<1	530	<1	9	<10	9	218	1.6	18	<1	237	14	30	15
150N	100W	42	<1	1150	<1	9	<10	0.5	<3	<0.5	3	<1	309	20	<20	<5
150N	75W	42	<1	1030	<1	8	<10	6.5	17	0.9	7	<1	237	14	110	14
150N	50W	13	<1	460	<1	3	<10	2.3	26	0.7	2	<1	77	5	<20	<5
150N	25W	21	<1	850	<1	4	<10	7.7	48	<0.5	6	<1	131	8	40	10
150N	0E	10	<1	360	<1	2	<10	6.6	521	<0.5	5	<1	52	3	190	17
150N	25E	13	<1	470	<1	3	<10	3.2	65	<0.5	8	<1	79	4	240	13
150N	50E	39	<1	500	<1	8	<10	4.6	7	<0.5	6	<1	316	15	50	10
150N	75E	7	<1	450	<1	1	<10	1	<3	<0.5	2	<1	48	2	20	<5
150N	100E	12	<1	330	<1	2	<10	0.7	<3	<0.5	4	<1	75	4	80	<5
150N	125E	83	<1	550	<1	14	<10	7.3	166	<0.5	10	<1	392	19	50	25
150N	150E	47	<1	180	<1	8	<10	12.6	584	0.8	5	<1	214	12	80	33
150N	175E	34	<1	190	<1	6	<10	8.7	1030	<0.5	5	<1	156	8	130	24
150N	200E	28	<1	380	<1	5	<10	6.3	676	<0.5	4	<1	149	8	380	16
150N	225E	14	<1	360	<1	3	<10	5.4	534	<0.5	3	<1	96	6	110	14
150N	250E	21	<1	150	<1	4	<10	8.4	525	0.6	6	<1	136	8	50	23
150N	275E	28	<1	120	<1	6	<10	20.5	1340	1.1	12	<1	166	11	100	67
150N	300E	22	<1	<10	<1	6	<10	6.4	335	0.5	11	<1	227	13	40	22
150N	325E	7	<1	200	<1	1	<10	12.1	1610	0.5	6	<1	44	3	110	48
150N	350E	5	<1	20	<1	1	<10	9.1	1040	<0.5	6	<1	50	4	340	35
150N	375E	6	<1	190	<1	1	<10	9.7	1300	<0.5	4	<1	29	2	330	29
150N	400E	19	<1	120	<1	4	<10	15.5	1550	<0.5	10	<1	98	6	210	52
150N	425E	16	<1	90	<1	4	<10	17.1	3210	<0.5	9	1	92	6	210	64
150N	450E	18	<1	20	<1	4	<10	21.7	4640	<0.5	10	1	106	8	110	83
150N	475E	12	<1	180	<1	3	<10	19.9	1780	<0.5	10	<1	73	5	470	76
150N	500E	38	<1	110	<1	7	<10	21.9	1160	<0.5	13	1	201	14	150	56

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
150N	525E	14	165	20	0.4	510	<1	90	12	123	128	200	230	34	16.9	8.4
150N	550E	24	10	10	1.2	920	<1	220	12	10	158	<100	530	4	2.2	1
150N	575E	40	32	<10	1	380	<1	240	23	5	9	<100	340	17	10	3
150N	600E	35	40	<10	1.6	470	<1	280	31	7	26	<100	450	17	9.7	2.9
Line 200N																
200N	100W	60	7	<10	1.7	2190	<1	380	34	<5	7	<100	230	3	2.1	<0.5
200N	75W	6	88	<10	0.3	1040	<1	230	5	154	45	<100	480	38	16.6	12
200N	50W	10	65	<10	0.8	1500	<1	250	14	205	246	<100	850	41	18.4	12.8
200N	25W	216	25	<10	2.7	420	<1	240	45	24	24	<100	1390	10	4.9	3.4
200N	0E	8	88	<10	0.4	850	<1	220	12	98	27	100	390	30	14.2	8.3
200N	25E	39	27	<10	2.1	2610	<1	300	10	36	6	<100	1060	74	44.3	14.1
200N	50E	6	97	<10	0.3	820	<1	210	11	149	84	<100	310	31	13.1	8.7
200N	75E	4	26	10	0.4	1150	<1	200	12	82	465	100	660	6	3	2.1
200N	100E	5	65	20	0.3	740	<1	210	10	90	114	300	160	15	7	4.4
200N	125E	5	46	<10	0.2	650	<1	220	12	43	86	200	140	10	4.5	3
200N	150E	5	63	<10	0.2	610	<1	180	12	75	173	300	120	13	5.8	4.1
200N	175E	8	202	10	0.6	410	<1	70	15	160	170	300	470	55	25.6	12.6
200N	200E	6	246	10	0.4	610	<1	20	10	124	174	300	450	42	20.7	8.4
200N	225E	4	242	<10	<0.1	270	<1	20	11	73	49	100	160	20	9	4.7
200N	250E	15	126	40	1	1620	<1	120	10	156	164	400	200	20	9	5.6
200N	275E	7	153	10	<0.1	730	<1	110	23	74	220	300	120	14	6.8	3.3
200N	300E	2	164	20	<0.1	1090	<1	20	21	43	2160	700	180	7	3.8	1.3
200N	325E	6	204	20	0.3	990	<1	10	11	141	310	400	210	17	7.4	4.8
200N	350E	5	166	20	0.2	880	<1	90	14	187	176	500	310	42	19.5	11.9
200N	375E	10	236	20	0.2	750	<1	<10	7	77	234	500	350	22	12.8	4.3
200N	400E	4	119	30	0.7	820	<1	100	8	135	186	400	220	16	7.1	4.2
200N	425E	5	114	30	0.6	650	<1	80	8	269	188	300	340	42	20.7	11.1
200N	450E	8	154	30	0.2	650	<1	40	6	184	108	600	220	22	10.4	6
200N	475E	6	216	20	0.1	500	<1	60	14	56	188	400	160	13	6.1	2.7
200N	500E	11	25	80	1.2	610	<1	130	4	25	27	<100	350	16	7.3	5
200N	525E	98	56	10	27	610	<1	220	20	16	11	<100	360	23	13.9	3.7
200N	550E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
200N	575E	11	13	<10	0.4	460	<1	240	37	<5	38	<100	290	8	6.6	0.9
200N	600E	38	21	<10	0.5	190	<1	350	32	<5	10	<100	640	3	1.9	0.6
Line L250N																
250N	50W	4	114	10	1.8	410	<1	140	6	59	46	500	190	13	6.5	4
250N	25W	3	96	<10	0.2	660	<1	100	10	117	45	200	230	30	15.1	7.9
250N	BL	11	18	<10	1	880	<1	250	7	18	33	<100	430	10	4.8	3.6
250N	25E	5	127	10	0.4	860	<1	90	6	255	143	300	260	53	25.6	17.6
250N	50E	3	58	<10	0.4	1280	<1	190	5	81	207	200	210	16	7.6	4.9
250N	75E	6	112	<10	0.2	680	<1	130	18	71	89	300	240	24	12.5	6.2
250N	100E	3	139	10	<0.1	860	<1	80	10	77	198	500	130	16	8.3	3.9
250N	125E	3	87	20	0.1	610	<1	90	26	63	227	800	130	10	5	2.7
250N	150E	4	81	20	0.1	1140	<1	120	13	72	144	500	110	9	4.2	2.8
250N	175E	4	111	<10	0.2	600	<1	110	9	19	290	100	380	8	4.2	1.7
250N	200E	3	209	<10	0.2	340	<1	<10	7	48	59	100	190	11	6.4	2.2
250N	225E	2	168	<10	<0.1	520	<1	40	8	32	34	200	120	19	10.2	3.6
250N	250E	3	194	<10	0.1	560	<1	10	6	24	388	200	160	11	6.7	1.7
250N	275E	3	89	<10	0.3	530	<1	<10	<1	13	313	<100	1340	2	1.6	<0.5
250N	300E	8	146	<10	0.2	760	<1	10	7	13	201	100	380	4	3.5	0.7
250N	325E	5	162	<10	0.2	610	<1	50	8	50	473	300	310	19	10.4	4.3

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
150N	525E	41	37	52	<5	50	<5	1.5	99	1610	70	<1	22	<1	90	<1	55
150N	550E	3	5	3	<5	192	<5	<0.5	6	2200	<10	<1	1	<1	30	<1	6
150N	575E	3	15	3	<5	163	<5	<0.5	10	1790	10	<1	2	<1	44	<1	8
150N	600E	3	16	5	<5	149	5	<0.5	13	1270	40	<1	2	<1	53	<1	5
Line 200N																	
200N	100W	1	3	<1	<5	68	<5	<0.5	<1	27	<10	<1	<1	<1	13	<1	12
200N	75W	34	49	69	<5	29	<5	<0.5	129	408	30	<1	28	<1	112	<1	38
200N	50W	41	53	102	<5	74	<5	<0.5	159	1800	20	<1	36	<1	80	<1	45
200N	25W	15	13	14	<5	71	<5	<0.5	32	1140	<10	<1	6	<1	37	1	11
200N	0E	29	35	47	<5	99	<5	<0.5	91	2770	30	<1	19	<1	58	<1	44
200N	25E	2	76	44	<5	111	<5	1.2	83	1990	20	<1	15	<1	52	<1	36
200N	50E	22	41	64	<5	58	<5	0.9	118	660	30	<1	26	<1	98	<1	32
200N	75E	42	9	24	<5	96	<5	0.6	33	1240	20	<1	8	<1	80	<1	11
200N	100E	51	18	35	<5	88	<5	1.3	56	1260	30	<1	13	<1	65	<1	23
200N	125E	29	13	24	<5	131	<5	<0.5	41	1410	20	<1	9	<1	56	<1	10
200N	150E	36	17	30	<5	110	<5	<0.5	53	1270	30	<1	12	<1	49	<1	16
200N	175E	40	53	48	<5	16	<5	<0.5	115	1600	60	<1	24	<1	105	<1	88
200N	200E	56	35	35	<5	8	<5	2.1	81	1890	90	<1	17	<1	122	<1	98
200N	225E	35	20	29	<5	2	<5	2	61	324	40	<1	13	<1	74	<1	32
200N	250E	63	22	47	<5	57	<5	1.1	65	924	110	<1	16	<1	113	3	52
200N	275E	59	14	27	<5	37	<5	0.9	39	792	60	<1	9	<1	154	<1	23
200N	300E	157	5	13	<5	37	5	6.1	15	1340	40	<1	4	<1	78	1	36
200N	325E	87	20	56	<5	15	7	3	65	1060	200	<1	17	<1	103	<1	31
200N	350E	55	49	85	<5	37	<5	1.4	143	1460	70	<1	32	<1	137	1	83
200N	375E	88	19	29	<5	5	9	6.9	49	800	160	<1	11	<1	77	1	67
200N	400E	55	17	38	<5	64	<5	1.4	55	1360	70	<1	13	<1	128	1	38
200N	425E	51	46	82	<5	24	<5	2.9	141	1570	80	<1	33	<1	104	2	93
200N	450E	65	25	66	<5	11	<5	2.9	86	441	60	<1	21	<1	113	2	41
200N	475E	59	11	20	<5	32	<5	2.7	29	1060	50	<1	7	<1	110	<1	24
200N	500E	11	22	27	<5	185	<5	<0.5	61	396	20	<1	12	<1	93	<1	10
200N	525E	3	19	8	<5	148	<5	<0.5	19	1880	10	<1	3	<1	45	<1	12
200N	550E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
200N	575E	4	5	2	<5	111	<5	<0.5	4	1530	50	<1	<1	<1	35	<1	6
200N	600E	3	3	1	<5	148	<5	<0.5	3	1020	<10	<1	<1	<1	26	<1	<5
Line L250N																	
250N	50W	54	16	22	<5	38	<5	0.8	43	977	10	<1	9	<1	92	<1	38
250N	25W	36	34	41	<5	79	<5	<0.5	89	3410	20	<1	18	<1	114	<1	54
250N	BL	10	15	16	<5	83	<5	0.7	36	859	<10	<1	6	<1	27	<1	8
250N	25E	23	69	136	<5	15	<5	1.5	219	393	80	<1	47	<1	96	<1	90
250N	50E	17	20	38	<5	74	<5	<0.5	62	1160	20	<1	13	<1	86	<1	16
250N	75E	55	27	35	<5	43	<5	1.3	73	1410	80	<1	14	<1	117	<1	35
250N	100E	84	17	29	<5	48	<5	2.8	51	1170	60	<1	11	<1	66	<1	39
250N	125E	63	12	22	<5	89	<5	2	37	1380	40	<1	8	<1	96	<1	30
250N	150E	45	11	23	<5	88	<5	1.1	38	1420	50	<1	8	<1	103	<1	23
250N	175E	89	7	8	<5	57	<5	1.8	16	1540	20	<1	3	<1	37	<1	19
250N	200E	45	9	16	<5	2	<5	2.3	26	544	80	<1	6	<1	53	<1	25
250N	225E	64	16	12	<5	26	<5	1.9	34	1030	50	<1	6	<1	39	<1	30
250N	250E	76	7	11	<5	11	<5	2.3	16	743	30	<1	3	<1	71	<1	25
250N	275E	169	2	4	<5	4	<5	1	5	978	<10	<1	1	<1	94	<1	16
250N	300E	106	3	5	<5	11	<5	1.1	8	892	20	<1	2	<1	100	<1	25
250N	325E	48	18	19	<5	24	<5	1.4	41	1230	50	<1	8	<1	95	<1	40

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
150N	525E	28	<1	150	<1	6	<10	10.8	823	<0.5	9	<1	196	12	140	32
150N	550E	3	<1	570	<1	<1	<10	<0.5	<3	<0.5	3	<1	26	2	40	<5
150N	575E	6	<1	630	<1	3	<10	<0.5	<3	<0.5	2	<1	111	7	240	<5
150N	600E	7	<1	890	<1	3	<10	<0.5	<3	<0.5	17	<1	127	7	500	<5
Line 200N																
200N	100W	<1	<1	770	<1	<1	<10	<0.5	<3	<0.5	2	<1	21	1	40	<5
200N	75W	36	<1	350	<1	8	<10	6.1	317	1.8	7	<1	217	11	70	20
200N	50W	42	<1	560	<1	8	<10	6.2	103	0.9	11	<1	236	13	140	20
200N	25W	10	<1	310	<1	2	<10	2.1	43	3.7	6	3	79	3	80	17
200N	0E	26	<1	390	<1	6	<10	5.1	129	1	8	<1	181	10	100	20
200N	25E	36	<1	980	<1	13	<10	3.1	<3	<0.5	5	<1	477	32	90	6
200N	50E	32	<1	300	<1	6	<10	7.3	244	0.8	10	<1	163	9	50	18
200N	75E	8	<1	440	<1	1	<10	6	199	0.5	5	<1	36	2	110	14
200N	100E	15	<1	320	<1	3	<10	4.9	412	<0.5	7	<1	85	5	200	21
200N	125E	11	<1	410	<1	2	<10	1.8	61	<0.5	4	<1	59	3	250	5
200N	150E	14	<1	290	<1	3	<10	3.3	252	<0.5	5	<1	71	4	240	12
200N	175E	38	<1	70	<1	10	<10	9.5	509	0.7	4	<1	270	18	110	32
200N	200E	25	<1	40	<1	7	<10	19.5	859	0.8	9	<1	218	15	170	52
200N	225E	16	<1	30	<1	4	<10	8.1	721	0.6	10	<1	105	6	60	36
200N	250E	18	<1	260	<1	4	<10	11.6	432	1.2	5	<1	88	7	50	36
200N	275E	11	<1	250	<1	3	<10	9.1	474	0.6	4	<1	76	5	50	21
200N	300E	4	<1	110	<1	1	<10	11.2	1960	0.5	5	<1	33	3	390	38
200N	325E	17	<1	60	<1	3	<10	23.3	1430	<0.5	9	<1	84	5	400	72
200N	350E	39	<1	150	<1	8	<10	17.8	662	0.6	15	<1	229	15	300	47
200N	375E	14	<1	20	<1	4	<10	25	2930	<0.5	17	<1	122	10	170	108
200N	400E	15	<1	120	<1	3	<10	18.1	1040	0.6	11	<1	75	5	70	56
200N	425E	37	<1	130	<1	8	<10	17.7	1660	0.6	12	1	223	15	100	61
200N	450E	21	<1	100	<1	4	<10	17	1740	<0.5	9	2	118	8	100	66
200N	475E	9	<1	160	<1	2	<10	10.1	1710	<0.5	6	<1	63	4	360	33
200N	500E	18	<1	250	<1	3	<10	3	140	<0.5	10	<1	96	5	80	6
200N	525E	8	<1	370	<1	4	<10	0.6	<3	<0.5	10	<1	153	10	110	<5
200N	550E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
200N	575E	2	<1	620	<1	1	<10	<0.5	<3	<0.5	1	<1	53	5	750	<5
200N	600E	1	<1	900	<1	<1	<10	0.6	<3	<0.5	10	<1	21	2	300	<5
Line L250N																
250N	50W	13	<1	190	<1	2	<10	7.5	328	0.6	6	<1	67	5	40	24
250N	25W	26	<1	220	<1	5	<10	6.8	152	0.6	4	<1	157	11	70	14
250N	BL	11	<1	610	<1	2	<10	3	10	<0.5	6	2	64	3	90	<5
250N	25E	57	<1	190	<1	10	<10	13.1	538	0.9	11	<1	300	18	<20	51
250N	50E	17	<1	470	<1	3	<10	7.1	76	1.2	5	<1	87	5	30	22
250N	75E	21	<1	250	<1	4	<10	9.6	496	<0.5	10	<1	144	9	330	25
250N	100E	14	<1	240	<1	3	<10	10.1	1180	<0.5	5	<1	84	6	240	28
250N	125E	10	<1	260	<1	2	<10	9.2	880	<0.5	4	<1	49	4	510	29
250N	150E	10	<1	260	<1	2	<10	6.7	414	<0.5	3	<1	42	3	160	15
250N	175E	5	<1	250	<1	1	<10	3.7	465	<0.5	11	<1	46	3	70	21
250N	200E	7	<1	20	<1	2	<10	11.9	516	<0.5	8	<1	63	5	110	36
250N	225E	11	<1	140	<1	3	<10	8	558	<0.5	9	<1	108	7	150	28
250N	250E	5	<1	80	<1	1	<10	7.4	929	<0.5	5	<1	58	5	40	20
250N	275E	1	<1	40	<1	<1	<10	4.7	390	0.6	7	<1	12	1	<20	17
250N	300E	2	<1	100	<1	<1	<10	8.5	525	<0.5	11	<1	26	3	110	22
250N	325E	13	<1	130	<1	3	<10	7.7	751	<0.5	10	<1	105	7	180	22

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
250N	350E	1	93	20	0.2	880	<1	130	9	63	178	600	120	12	5.8	3.4
250N	375E	3	159	40	0.4	920	<1	60	8	141	231	700	200	19	8.6	5.2
250N	400E	7	197	30	0.2	700	<1	20	8	75	140	500	160	15	7.2	3.2
250N	425E	6	120	30	1.2	890	<1	70	11	162	830	400	480	24	12.5	6.6
250N	450E	3	135	20	0.2	820	<1	50	6	130	210	800	330	14	6.1	3.7
250N	475E	4	126	20	0.2	790	<1	70	10	170	137	500	200	26	12.7	7.5
250N	500E	3	82	20	0.4	820	<1	80	11	104	1150	400	350	11	5.6	3
Line 300N																
300N	225W	73	17	<10	8.2	1760	<1	400	9	9	32	<100	820	17	6.6	6.9
300N	200W	6	38	<10	0.7	1460	<1	310	4	15	9	<100	390	15	6.9	4.6
300N	175W	15	9	<10	2.6	470	<1	310	8	7	45	<100	470	5	2.6	2
300N	150W	11	12	<10	1.9	370	<1	400	50	6	20	<100	150	6	3.2	1.8
300N	125W	14	46	10	0.5	760	<1	460	16	194	87	<100	1280	80	35.8	35.9
300N	100W	4	148	<10	<0.1	2520	<1	560	6	137	17	<100	310	32	16.8	7.7
300N	75W	43	22	<10	2.8	1410	<1	870	8	37	9	<100	800	30	12.4	12.6
300N	50W	8	64	<10	0.6	1580	<1	910	9	117	9	<100	600	30	13.9	11.7
300N	25W	2	205	<10	<0.1	840	<1	140	13	101	187	<100	690	126	62	23.1
300N	0E	3	68	10	0.2	760	<1	230	17	50	127	300	170	13	6.1	4.3
300N	25E	2	33	<10	0.2	590	<1	240	10	26	62	200	190	6	2.6	2.2
300N	50E	6	80	<10	0.4	1010	<1	230	12	19	21	100	130	5	2.5	1.4
300N	75E	3	142	20	0.3	690	<1	160	10	38	126	700	150	9	4.5	2.1
300N	100E	3	219	<10	0.1	460	<1	90	11	64	23	<100	210	34	16.5	7.1
300N	125E	3	>300	20	0.2	540	<1	40	6	101	75	700	290	31	14.6	7.3
300N	150E	8	296	20	0.7	580	<1	70	6	128	45	300	260	19	8	5.7
300N	175E	4	246	<10	<0.1	820	<1	70	16	67	47	300	220	17	8.5	4.6
300N	200E	3	263	10	<0.1	890	<1	40	10	60	92	400	150	13	6.2	2.9
300N	225E	2	255	10	0.1	900	<1	40	9	48	150	500	180	13	6.9	3
300N	250E	3	122	20	0.1	840	<1	170	16	77	62	200	160	15	6.7	4.6
300N	275E	2	160	<10	<0.1	930	<1	160	39	187	202	200	210	38	18.2	11
300N	300E	3	202	20	<0.1	840	<1	100	16	121	75	300	200	30	14.2	8.7
300N	325E	11	292	40	0.2	780	<1	10	11	79	133	700	290	13	6.3	3.1
300N	350E	5	257	30	0.4	960	<1	30	8	351	214	600	370	50	21.5	15.1
300N	375E	5	192	30	0.7	1210	<1	40	7	229	191	700	310	27	12.3	7.6
300N	400E	8	249	10	0.2	700	<1	20	9	174	162	500	290	34	16.3	9
300N	425E	4	14	<10	0.3	940	<1	290	18	8	21	<100	90	11	6.7	2.1
300N	475E	16	35	50	0.1	1050	<1	590	10	7	14	<100	150	4	2.5	1.1
300N	500E	22	18	50	0.4	1080	<1	560	11	6	13	<100	240	8	4.6	1.7
300N	525E	<1	24	50	0.5	610	<1	240	8	16	91	<100	850	5	2.9	1.5
300N	550E	<1	199	10	<0.1	500	<1	50	5	11	621	<100	170	6	7.6	0.5
300N	575E	25	21	<10	2.5	450	<1	280	10	13	64	<100	680	11	6.1	2.3
300N	600E	14	158	10	0.4	1290	<1	50	15	56	858	200	1320	15	11.4	2.3
Line 350N																
350N	300W	9	53	<10	11.3	670	<1	630	11	13	59	<100	510	33	17.9	8.3
350N	275W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
350N	250W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
350N	225W	2	123	<10	0.3	570	<1	370	14	18	23	<100	130	21	12.2	4.8
350N	200W	18	66	<10	2.7	2190	<1	350	5	23	12	<100	510	34	18.1	9.5
350N	175W	24	61	<10	3.6	3040	<1	460	24	37	37	<100	440	73	50.8	12.3
350N	150W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
350N	125W	13	43	<10	1.9	1060	<1	460	26	7	46	<100	770	28	19.7	4.1
350N	100W	11	95	<10	0.4	1070	<1	540	7	15	10	<100	410	33	20.1	6.6

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
250N	350E	43	14	26	<5	63	<5	1.3	45	969	50	<1	10	<1	103	<1	35
250N	375E	67	21	44	<5	29	<5	2.7	68	933	40	<1	15	<1	122	2	45
250N	400E	85	14	29	<5	12	6	4.6	41	575	130	<1	9	<1	87	1	33
250N	425E	82	28	55	<5	43	5	2.4	86	1070	90	<1	19	<1	157	2	59
250N	450E	49	15	42	<5	44	<5	2.3	55	1510	30	<1	13	<1	159	<1	33
250N	475E	54	31	65	<5	59	<5	1.8	106	2370	50	<1	23	<1	172	<1	43
250N	500E	47	12	22	<5	86	<5	1.3	39	2000	20	<1	8	<1	170	2	37
Line 300N																	
300N	225W	5	27	6	<5	55	14	5.2	33	300	<10	<1	5	<1	39	<1	21
300N	200W	8	21	17	<5	136	<5	1.9	47	425	<10	<1	9	<1	106	<1	11
300N	175W	7	8	3	<5	175	<5	1	14	3920	<10	<1	2	<1	27	<1	13
300N	150W	9	7	2	<5	99	<5	0.6	9	8550	30	<1	2	<1	16	<1	10
300N	125W	26	121	154	<5	32	<5	0.6	345	4180	10	<1	65	<1	25	<1	38
300N	100W	22	35	62	<5	11	<5	<0.5	101	833	50	<1	22	<1	18	<1	49
300N	75W	11	48	45	<5	40	<5	<0.5	110	626	<10	<1	20	<1	<5	<1	14
300N	50W	31	45	66	<5	19	<5	<0.5	125	418	<10	<1	25	<1	33	<1	19
300N	25W	82	107	56	<5	22	<5	1	187	1820	130	<1	32	<1	36	<1	99
300N	0E	38	17	27	<5	107	<5	<0.5	47	2070	20	<1	10	<1	145	<1	20
300N	25E	23	8	12	<5	90	<5	<0.5	24	685	10	<1	5	<1	112	<1	10
300N	50E	34	6	9	<5	116	<5	1.3	16	564	40	<1	3	<1	104	<1	15
300N	75E	76	9	13	<5	56	<5	3.1	25	1120	60	<1	5	<1	77	1	37
300N	100E	34	33	24	6	17	<5	1.8	68	587	70	<1	13	<1	74	<1	36
300N	125E	63	31	35	6	20	<5	3.9	77	1210	40	<1	15	<1	120	2	68
300N	150E	48	23	49	11	6	6	3.9	68	325	90	<1	16	<1	111	1	46
300N	175E	56	19	25	<5	14	6	5.7	50	783	90	<1	11	<1	93	1	45
300N	200E	121	13	23	8	17	6	7.3	35	492	180	<1	8	<1	86	1	42
300N	225E	109	12	17	<5	21	5	5	32	764	130	<1	7	<1	67	1	44
300N	250E	44	19	33	5	77	<5	1.4	59	1080	70	<1	13	<1	139	<1	24
300N	275E	48	46	63	<5	78	<5	2.4	126	1750	90	<1	26	<1	144	<1	54
300N	300E	56	36	49	8	47	<5	3.2	104	1270	80	<1	22	<1	109	<1	73
300N	325E	185	12	28	6	8	7	7.1	38	488	150	<1	9	<1	142	2	48
300N	350E	95	59	122	<5	12	6	5.2	193	889	110	<1	44	<1	149	2	80
300N	375E	72	30	77	<5	27	<5	3.5	101	850	70	<1	24	<1	179	3	70
300N	400E	66	37	60	<5	25	<5	4.6	111	1330	90	<1	24	<1	126	1	64
300N	425E	3	12	2	6	134	<5	<0.5	12	751	20	<1	2	<1	51	<1	<5
300N	475E	8	5	2	<5	391	<5	<0.5	9	1870	10	<1	2	<1	9	<1	7
300N	500E	8	9	2	<5	319	<5	<0.5	11	1890	20	<1	2	<1	22	<1	11
300N	525E	45	6	8	<5	197	5	<0.5	17	3290	20	<1	4	<1	<5	1	18
300N	550E	116	2	4	7	79	<5	0.7	6	886	<10	<1	1	<1	9	<1	45
300N	575E	14	11	5	<5	149	<5	<0.5	14	1750	50	<1	3	<1	10	<1	13
300N	600E	407	10	13	<5	59	7	2.3	22	2440	140	<1	5	<1	25	1	63
Line 350N																	
350N	300W	26	35	10	<5	44	<5	<0.5	41	385	<10	<1	6	<1	14	<1	21
350N	275W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
350N	250W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
350N	225W	21	22	10	<5	38	<5	<0.5	31	495	20	<1	5	<1	58	<1	29
350N	200W	9	41	27	<5	123	<5	<0.5	73	925	20	<1	13	<1	69	<1	23
350N	175W	6	57	24	<5	56	<5	<0.5	52	3130	40	<1	9	<1	48	<1	64
350N	150W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
350N	125W	6	20	6	<5	36	<5	<0.5	16	8620	100	<1	3	<1	13	<1	18
350N	100W	11	31	20	<5	37	<5	<0.5	45	1160	20	<1	8	<1	52	<1	12

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
250N	350E	12	<1	240	<1	2	<10	10.4	614	<0.5	12	<1	65	4	320	35
250N	375E	17	<1	130	<1	3	<10	20.2	1430	<0.5	10	<1	87	6	150	59
250N	400E	11	<1	70	<1	2	<10	18.7	2640	<0.5	8	<1	65	5	210	64
250N	425E	23	<1	190	<1	4	<10	16.9	1300	<0.5	12	2	122	9	140	51
250N	450E	13	<1	150	<1	3	<10	11.2	1150	<0.5	5	<1	65	4	70	29
250N	475E	27	<1	190	<1	5	<10	9.5	835	<0.5	5	<1	140	9	170	23
250N	500E	10	<1	220	<1	2	<10	8.7	640	<0.5	8	<1	55	5	190	27
Line 300N																
300N	225W	16	4	560	8	3	20	9	<3	1.4	10	25	98	4	30	20
300N	200W	15	<1	600	3	3	<10	5	9	1.2	6	6	83	4	70	9
300N	175W	5	<1	620	2	1	<10	2.6	<3	0.8	7	6	36	2	60	7
300N	150W	4	<1	830	<1	1	<10	0.7	<3	0.7	2	1	39	2	40	<5
300N	125W	96	<1	600	1	16	<10	5.3	10	0.9	7	1	475	24	50	18
300N	100W	25	<1	1270	<1	6	<10	7.7	15	0.7	13	<1	212	12	<20	15
300N	75W	34	<1	3020	<1	6	<10	1.5	<3	<0.5	4	<1	174	8	30	7
300N	50W	35	<1	1400	<1	6	<10	3.4	<3	<0.5	4	<1	179	10	<20	11
300N	25W	63	<1	340	<1	20	<10	9.2	244	0.8	20	<1	764	40	100	23
300N	0E	13	<1	360	<1	2	<10	2.6	132	0.5	2	<1	73	4	200	10
300N	25E	7	<1	420	<1	1	<10	2	89	0.5	2	<1	33	2	330	11
300N	50E	5	<1	450	<1	<1	<10	3	540	0.6	5	<1	27	2	360	20
300N	75E	7	<1	210	<1	1	<10	12.8	1980	0.6	7	<1	42	3	150	42
300N	100E	22	<1	140	<1	6	<10	7.1	482	0.6	6	<1	186	11	140	39
300N	125E	22	<1	60	<1	5	<10	13.3	1710	0.9	9	<1	151	10	160	51
300N	150E	19	<1	50	<1	4	<10	24.2	1610	1	13	<1	84	6	70	80
300N	175E	14	<1	120	<1	3	<10	11.3	2640	0.8	8	<1	85	6	240	51
300N	200E	9	<1	110	<1	2	<10	17.9	3430	0.6	7	<1	62	5	280	64
300N	225E	9	<1	100	<1	2	<10	17.1	2870	0.7	6	<1	65	5	280	51
300N	250E	16	<1	230	<1	3	<10	7.8	842	0.5	5	<1	75	5	180	25
300N	275E	35	<1	310	<1	7	<10	10.4	886	0.5	10	<1	204	13	460	29
300N	300E	29	<1	160	<1	6	<10	14.4	1310	0.6	9	<1	157	10	140	38
300N	325E	10	<1	30	<1	2	<10	26.9	3460	0.6	9	<1	56	5	370	79
300N	350E	49	<1	70	<1	9	<10	36.6	2860	0.8	15	<1	231	15	180	92
300N	375E	25	<1	90	<1	5	<10	26.2	2170	1	9	3	121	9	130	76
300N	400E	29	<1	60	<1	6	<10	17.9	2300	0.6	10	<1	168	11	220	55
300N	425E	6	<1	560	<1	2	<10	<0.5	15	<0.5	2	<1	71	5	340	<5
300N	475E	3	<1	1100	<1	<1	<10	<0.5	44	0.6	20	<1	29	2	100	5
300N	500E	5	<1	1060	<1	1	<10	<0.5	31	0.5	41	<1	51	3	100	<5
300N	525E	4	<1	480	<1	<1	<10	<0.5	13	<0.5	55	<1	34	3	40	6
300N	550E	1	<1	370	<1	<1	<10	6.3	240	<0.5	22	<1	36	11	250	14
300N	575E	6	<1	680	<1	2	<10	<0.5	10	<0.5	15	<1	66	5	70	<5
300N	600E	7	<1	280	<1	2	<10	25.3	702	<0.5	21	<1	89	10	510	49
Line 350N																
350N	300W	20	<1	670	<1	6	<10	1.2	14	<0.5	3	<1	187	15	220	<5
350N	275W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
350N	250W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
350N	225W	13	<1	380	<1	4	<10	2.1	70	<0.5	8	<1	131	9	40	14
350N	200W	26	<1	780	<1	6	<10	2.9	12	0.6	9	<1	191	13	40	11
350N	175W	25	<1	1270	<1	10	<10	1.7	<3	0.5	4	<1	434	41	170	<5
350N	150W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
350N	125W	8	<1	1100	<1	4	<10	0.6	5	<0.5	5	<1	160	16	50	<5
350N	100W	16	<1	950	<1	5	<10	0.9	9	<0.5	5	<1	187	14	<20	<5



ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
350N	75W	6	105	<10	1.9	830	<1	410	7	189	48	100	300	63	27.9	21.2
350N	50W	3	149	<10	<0.1	540	<1	260	14	49	62	300	150	22	11.4	6.1
350N	25W	5	90	<10	0.1	1460	<1	580	8	12	12	100	150	7	3.7	2
350N	0E	3	164	<10	0.3	910	<1	310	12	32	46	100	240	29	15.6	5.8
350N	25E	4	226	<10	0.3	670	<1	140	63	60	65	400	230	25	12.8	5.8
350N	50E	3	220	10	<0.1	1180	<1	130	25	42	164	600	140	16	9.1	3.3
350N	75E	4	>300	20	0.2	570	<1	50	4	139	74	1100	290	37	18	9.6
350N	100E	4	291	<10	0.2	1050	<1	40	10	67	25	300	150	18	9.8	4.5
350N	125E	6	211	<10	0.3	600	<1	140	9	93	87	400	300	28	13.5	8
350N	150E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
350N	175E	4	185	<10	0.2	970	<1	190	13	62	36	400	140	19	9.8	5.2
350N	200E	5	185	<10	<0.1	740	<1	200	17	53	71	200	160	22	11.5	5
350N	225E	6	293	20	0.2	940	<1	40	14	92	173	500	220	24	12.5	5.7
350N	250E	7	296	10	0.1	780	<1	<10	7	21	210	400	290	8	6.3	1.3
350N	275E	3	275	<10	<0.1	820	<1	20	17	37	184	<100	350	31	18.2	4.5
350N	300E	5	>300	10	0.2	910	<1	<10	7	25	114	400	210	7	4.9	1.1
350N	325E	4	180	20	0.3	900	<1	120	21	50	289	700	190	21	11.8	4.1
350N	350E	4	223	<10	<0.1	770	<1	60	37	38	472	100	370	31	19.1	4.4
350N	375E	4	163	<10	0.3	820	<1	130	25	75	214	200	170	23	12.3	5.7
350N	400E	4	185	30	0.4	1460	<1	70	23	127	490	700	180	23	12.2	6.1
350N	425E	8	241	10	0.1	990	<1	50	25	103	227	400	230	31	16.4	7.5
350N	450E	3	215	20	<0.1	1280	<1	70	25	61	844	600	180	17	10.5	3.3
350N	475E	37	40	20	0.9	1080	<1	530	111	<5	17	<100	460	13	11.1	1.3
350N	500E	7	17	<10	<0.1	530	<1	250	15	<5	55	<100	130	5	3.5	0.8
350N	525E	1	125	<10	<0.1	170	<1	70	7	<5	703	<100	200	1	3.4	<0.5
350N	550E	10	18	30	0.2	1080	<1	620	12	<5	91	<100	420	4	3.1	0.7
350N	575E	2	10	130	0.3	370	<1	200	3	<5	218	<100	870	1	0.6	<0.5
350N	600E	15	177	60	2	1420	1	230	30	61	1530	200	2890	13	8.8	2.3
Line L400N																
L400N	400W	2	137	<10	0.3	720	<1	40	12	11	601	<100	620	72	46.7	5
L400N	375W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	350W	2	105	<10	0.2	520	<1	220	6	23	394	<100	190	7	3.7	1.6
L400N	325W	3	46	<10	0.6	460	<1	330	20	9	21	<100	100	4	2	1.2
L400N	300W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	275W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	250W	14	74	<10	4.4	720	<1	270	4	23	27	<100	640	46	27.9	8.7
L400N	225W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	200W	4	115	<10	1	1140	<1	80	<1	10	285	<100	940	30	24.4	2.4
L400N	175W	8	60	<10	1.8	1010	<1	210	3	13	227	<100	670	35	30.2	3.5
L400N	150W	27	3	<10	1.9	2150	<1	340	3	7	10	<100	70	8	5.2	1.5
L400N	125W	13	72	10	2.1	950	<1	190	5	41	16	<100	270	17	8.9	5.3
L400N	100W	4	59	<10	0.5	830	<1	260	8	23	345	<100	340	3	1.3	0.9
L400N	75W	5	179	10	0.5	570	<1	20	6	98	492	200	750	29	16.9	6.1
L400N	50W	3	159	60	0.3	340	<1	40	6	19	694	200	540	8	5.4	1.4
L400N	25W	5	184	<10	0.1	440	<1	60	11	62	63	300	160	24	11.9	5.8
L400N	BL	8	223	<10	0.2	660	<1	50	8	80	51	300	240	19	8.5	4.7
L400N	25E	7	169	20	0.2	530	<1	90	6	132	61	800	240	27	12.7	7.7
L400N	50E	6	229	20	0.2	720	<1	<10	11	85	256	700	190	14	6.5	3.6
L400N	75E	4	75	<10	0.1	730	<1	200	19	35	68	300	110	10	4.9	2.7
L400N	100E	3	99	<10	<0.1	770	<1	190	25	26	31	<100	140	13	6.8	3
L400N	125E	3	147	<10	<0.1	610	<1	100	12	41	36	200	100	14	7.4	3.2

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
350N	75W	53	84	106	<5	32	<5	<0.5	215	1060	20	<1	43	<1	60	<1	35
350N	50W	54	25	22	<5	39	<5	<0.5	53	1470	20	<1	10	<1	92	<1	47
350N	25W	13	9	8	<5	52	<5	<0.5	18	965	50	<1	4	<1	39	<1	8
350N	0E	34	26	19	<5	63	<5	<0.5	47	1640	50	<1	9	<1	54	<1	49
350N	25E	60	26	28	<5	40	<5	1.5	58	1420	70	<1	12	<1	115	<1	43
350N	50E	98	15	18	<5	51	<5	5.4	35	1240	90	<1	7	<1	28	<1	62
350N	75E	79	39	56	<5	23	<5	4.3	104	1080	40	<1	22	<1	80	1	90
350N	100E	71	18	28	<5	18	6	5.1	52	1040	140	<1	11	<1	94	<1	36
350N	125E	43	33	49	<5	30	<5	2	91	710	120	<1	19	<1	158	<1	53
350N	150E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
350N	175E	42	23	31	<5	38	<5	3.6	63	397	70	<1	13	<1	73	<1	37
350N	200E	34	23	23	<5	34	<5	2.1	52	712	50	<1	10	<1	95	<1	32
350N	225E	73	24	34	<5	27	<5	5.1	68	885	80	<1	15	<1	75	1	49
350N	250E	130	6	9	<5	6	5	7.5	13	515	60	<1	3	<1	118	1	42
350N	275E	83	21	12	<5	28	<5	1.4	41	1100	200	<1	8	<1	69	<1	78
350N	300E	130	6	11	<5	4	<5	4.8	14	768	60	<1	4	<1	101	<1	33
350N	325E	79	19	18	<5	63	6	3.3	42	1340	120	<1	8	<1	58	1	66
350N	350E	113	21	12	<5	50	<5	1.9	38	1820	220	<1	7	<1	82	<1	69
350N	375E	63	25	26	<5	75	<5	2.1	62	1530	120	<1	12	<1	187	<1	41
350N	400E	137	25	43	<5	64	7	3.7	74	1140	170	<1	17	<1	45	2	53
350N	425E	82	31	37	<5	37	<5	3.3	82	1150	110	<1	17	<1	70	<1	65
350N	450E	125	15	22	<5	28	9	12.3	39	983	110	<1	9	<1	31	2	70
350N	475E	3	8	<1	6	144	<5	<0.5	5	10200	10	<1	<1	<1	68	<1	9
350N	500E	5	5	<1	<5	155	<5	<0.5	4	3030	30	<1	<1	<1	18	<1	<5
350N	525E	18	<1	<1	6	25	<5	<0.5	<1	1070	20	<1	<1	<1	<5	<1	15
350N	550E	16	4	2	<5	420	<5	<0.5	5	5280	70	<1	1	<1	7	2	6
350N	575E	26	1	1	<5	119	7	<0.5	3	4070	10	<1	<1	<1	6	1	6
350N	600E	670	11	16	16	257	35	1.9	27	5750	120	<1	6	<1	35	7	97
Line L400N																	
L400N	400W	40	29	5	<5	10	<5	0.7	24	559	20	<1	4	<1	103	<1	56
L400N	375W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	350W	35	7	8	<5	21	<5	1.2	16	513	20	<1	3	<1	84	<1	21
L400N	325W	15	5	4	<5	30	<5	<0.5	10	216	10	<1	2	<1	90	<1	<5
L400N	300W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	275W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	250W	7	43	24	<5	38	<5	<0.5	60	671	10	<1	10	<1	57	<1	38
L400N	225W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	200W	111	13	5	<5	21	<5	<0.5	14	712	<10	<1	3	<1	60	<1	117
L400N	175W	12	20	9	<5	13	<5	<0.5	22	797	<10	<1	4	<1	76	<1	56
L400N	150W	2	8	3	<5	115	<5	<0.5	8	393	40	<1	1	<1	24	<1	<5
L400N	125W	14	22	22	<5	76	<5	<0.5	52	462	60	<1	9	<1	91	<1	27
L400N	100W	19	3	5	<5	59	<5	<0.5	11	693	20	<1	2	<1	113	<1	<5
L400N	75W	116	25	38	<5	5	<5	3.6	61	728	20	<1	13	<1	96	<1	72
L400N	50W	120	6	8	<5	9	<5	2.9	14	1780	10	<1	3	<1	82	<1	32
L400N	25W	30	25	23	<5	12	<5	1.3	56	968	60	<1	10	<1	74	<1	37
L400N	BL	45	20	29	<5	12	<5	2.2	53	747	60	<1	10	<1	95	<1	33
L400N	25E	52	33	50	<5	38	<5	2.5	95	1420	20	<1	20	<1	76	<1	50
L400N	50E	106	14	29	<5	6	8	4.8	45	656	140	<1	10	<1	102	1	40
L400N	75E	29	12	15	<5	66	<5	0.7	33	803	30	<1	6	<1	82	<1	16
L400N	100E	22	14	13	<5	61	<5	<0.5	30	908	50	<1	6	<1	74	<1	22
L400N	125E	32	14	17	<5	34	<5	2.5	37	664	30	<1	7	<1	120	<1	23

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
350N	75W	63	<1	670	<1	12	<10	6.9	60	1	8	<1	307	18	60	18
350N	50W	18	<1	310	<1	4	<10	4.8	242	0.6	5	<1	106	9	110	15
350N	25W	6	<1	880	<1	1	<10	1.2	10	<0.5	5	<1	41	3	30	<5
350N	0E	16	<1	470	<1	5	<10	3.8	163	<0.5	10	<1	159	11	100	14
350N	25E	18	<1	200	<1	4	<10	10	860	0.5	7	<1	132	9	180	26
350N	50E	11	<1	270	<1	3	<10	11.6	1910	<0.5	9	<1	89	7	120	39
350N	75E	30	<1	70	<1	7	<10	17.2	2030	0.7	15	<1	169	12	20	68
350N	100E	14	<1	90	<1	3	10	15.4	1600	0.5	10	1	89	7	70	41
350N	125E	26	<1	130	<1	5	<10	17.8	587	0.5	13	2	134	10	100	41
350N	150E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
350N	175E	18	<1	210	<1	4	<10	11.5	1590	<0.5	16	<1	100	7	110	36
350N	200E	17	<1	250	<1	4	<10	8.4	869	<0.5	9	<1	107	8	300	18
350N	225E	19	<1	140	<1	4	<10	16	2830	<0.5	8	<1	116	9	450	45
350N	250E	4	<1	50	<1	1	<10	21.8	3470	<0.5	10	<1	42	6	180	70
350N	275E	13	<1	110	<1	5	<10	11	777	<0.5	12	<1	171	13	90	20
350N	300E	4	<1	50	<1	1	<10	16.9	2070	<0.5	7	<1	35	4	230	46
350N	325E	14	<1	230	<1	3	<10	19.4	1820	<0.5	21	<1	109	9	260	69
350N	350E	14	<1	190	<1	4	<10	13.9	1120	<0.5	14	<1	170	14	800	26
350N	375E	19	<1	240	<1	4	<10	11	1040	<0.5	10	<1	124	9	580	30
350N	400E	20	<1	210	<1	4	<10	21.1	2140	<0.5	11	<1	112	9	910	52
350N	425E	24	<1	150	<1	5	<10	15.5	1710	<0.5	11	<1	155	12	590	36
350N	450E	11	1	250	<1	3	<10	12.9	5500	<0.5	12	1	91	9	1340	52
350N	475E	3	<1	990	<1	2	<10	<0.5	9	<0.5	15	<1	89	9	1320	<5
350N	500E	2	<1	530	<1	<1	<10	0.9	8	<0.5	17	<1	30	3	210	<5
350N	525E	<1	<1	400	<1	<1	<10	0.7	19	<0.5	8	<1	10	10	550	<5
350N	550E	2	<1	1300	<1	<1	<10	<0.5	18	<0.5	24	<1	33	2	160	<5
350N	575E	<1	<1	380	<1	<1	<10	0.7	22	<0.5	11	<1	7	<1	40	<5
350N	600E	8	<1	870	<1	2	<10	24.3	804	0.5	57	<1	72	8	980	70
Line L400N																
L400N	400W	12	<1	170	<1	8	<10	4.7	318	0.9	8	<1	534	31	100	12
L400N	375W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	350W	5	<1	390	<1	1	<10	3.6	304	1	5	<1	35	3	30	25
L400N	325W	3	1	540	<1	<1	<10	1.1	69	<0.5	2	<1	22	1	330	<5
L400N	300W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	275W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	250W	24	<1	530	<1	7	<10	1.1	<3	<0.5	50	<1	321	21	30	12
L400N	225W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	200W	6	<1	390	<1	3	<10	7.9	65	1.2	14	<1	215	18	<20	15
L400N	175W	9	<1	500	<1	4	<10	1.5	<3	1	12	<1	259	25	<20	6
L400N	150W	4	<1	1110	<1	1	<10	0.8	<3	<0.5	<1	<1	41	4	<20	<5
L400N	125W	16	<1	360	<1	3	<10	5.1	117	0.8	7	<1	102	6	50	19
L400N	100W	3	<1	530	<1	<1	<10	3.3	82	0.6	3	<1	13	1	40	8
L400N	75W	19	<1	50	<1	5	<10	20.3	892	1.7	11	1	147	13	60	48
L400N	50W	4	<1	100	<1	1	<10	6.4	743	0.6	9	3	46	4	120	35
L400N	25W	18	<1	100	<1	4	<10	9.1	571	0.6	7	<1	129	8	40	28
L400N	BL	15	<1	130	<1	3	<10	9.8	878	0.7	12	<1	96	6	40	37
L400N	25E	26	<1	170	<1	5	<10	8.4	909	0.9	9	<1	144	9	30	35
L400N	50E	12	<1	40	<1	2	<10	23.3	2140	<0.5	8	<1	65	5	160	75
L400N	75E	9	<1	360	<1	2	<10	3.1	354	<0.5	4	<1	54	3	360	13
L400N	100E	10	<1	340	<1	2	<10	2.6	138	<0.5	5	<1	77	5	290	9
L400N	125E	11	<1	200	<1	2	<10	4.4	1160	<0.5	4	<1	80	5	220	19

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L400N	150E	4	157	10	<0.1	550	<1	80	4	82	44	400	140	15	7.4	4.3
L400N	175E	3	147	<10	<0.1	750	<1	100	12	39	32	100	80	14	7.3	3.3
L400N	200E	5	206	20	0.4	710	<1	20	12	76	89	400	230	18	8.9	4.5
L400N	225E	8	126	<10	0.3	820	<1	30	8	11	225	100	520	4	3.1	0.7
L400N	250E	3	135	20	0.4	810	<1	40	5	49	430	500	220	9	5.3	2.1
L400N	275E	5	220	20	0.3	590	<1	<10	10	71	132	400	180	15	8.5	3.1
L400N	300E	13	195	<10	0.6	690	<1	10	11	47	698	300	270	17	11.3	3
L400N	325E	6	77	<10	0.3	930	<1	70	16	20	552	100	820	4	2.6	0.8
L400N	350E	6	138	<10	0.6	800	<1	30	18	36	965	200	490	8	4.8	1.5
L400N	375E	4	89	20	0.2	1060	<1	30	6	58	897	200	690	10	6.1	2.2
L400N	400E	2	35	10	0.3	690	<1	80	8	31	455	100	860	3	1.9	0.9
L400N	425E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	450E	5	34	10	0.5	520	<1	110	6	25	35	<100	100	5	2.5	1.7
L400N	475E	9	69	20	0.5	790	<1	120	21	60	131	200	240	13	6.5	3.4
L400N	500E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	525E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	550E	11	106	<10	0.2	900	<1	90	22	62	71	100	180	15	7.5	3.8
L400N	575E	12	118	10	0.4	1280	<1	70	11	113	316	400	180	13	6.5	3.4
L400N	600E	9	74	<10	0.3	1250	<1	110	16	82	740	200	380	11	6	2.7
Line 450N																
450N	650W	11	44	<10	2	870	<1	360	6	19	49	<100	700	32	16.7	9.6
450N	625W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
450N	600W	12	62	<10	2.2	740	<1	570	4	24	24	<100	800	27	14.7	7.3
450N	575W	5	103	<10	0.1	460	<1	420	29	22	60	<100	510	26	16.3	5.1
450N	550W	2	109	<10	0.1	730	<1	920	8	26	149	<100	160	24	16.2	4.5
450N	525W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
450N	500W	5	211	<10	0.1	2530	<1	240	3	108	143	<100	230	26	14.1	5.3
450N	475W	6	74	<10	1.4	380	<1	240	8	6	343	<100	4950	21	17.6	3.1
450N	450W	8	272	<10	0.5	1230	<1	640	20	141	106	<100	1020	211	129	40
450N	425W	18	103	<10	1.6	1450	<1	390	5	221	57	<100	200	39	18.6	10.8
450N	400W	11	15	<10	0.2	520	<1	680	23	<5	28	<100	640	6	3	1.4
450N	375W	43	35	<10	8.7	770	<1	660	6	33	94	<100	730	92	53	19.4
450N	350W	23	152	<10	0.3	770	<1	300	8	87	40	<100	280	44	22.8	11.2
450N	325W	37	>300	<10	0.3	670	<1	50	29	116	132	<100	570	29	15.1	4.9
450N	300W	3	166	<10	<0.1	420	<1	220	38	29	226	<100	1420	50	35.5	5.6
450N	275W	2	44	<10	<0.1	660	<1	360	194	11	117	<100	110	7	3.8	1.4
450N	250W	9	135	20	0.5	950	<1	160	10	80	282	500	220	18	9.7	4.5
450N	225W	3	150	<10	0.1	480	<1	180	11	27	74	700	100	9	5.1	2.1
450N	200W	4	144	30	0.5	880	<1	220	4	64	149	500	230	32	18.1	9.3
450N	175W	5	207	20	0.8	1090	<1	100	20	89	417	400	300	15	8.4	3.3
450N	150W	1	167	20	<0.1	3730	<1	130	27	54	422	700	120	11	6.4	1.9
450N	125W	9	62	<10	0.2	1260	<1	290	3	23	19	200	210	13	6.4	3.3
450N	100W	2	110	10	<0.1	1040	<1	140	72	42	189	200	170	8	4.7	1.5
450N	75W	10	170	20	0.5	1620	<1	150	26	69	228	600	160	14	7.6	3.4
450N	50W	10	115	<10	0.3	5640	<1	350	2	36	17	200	550	39	24.8	7.8
450N	25W	19	89	30	4.8	2030	<1	190	10	121	72	100	420	26	12.3	7.7
450N	0E	7	>300	<10	0.1	1000	<1	20	16	13	140	200	160	8	4.9	0.8
450N	25E	18	>300	20	0.2	870	<1	20	18	44	115	600	140	10	4.9	2
450N	50E	12	121	<10	<0.1	1350	<1	240	8	28	50	100	170	19	11	3.6
450N	75E	23	>300	<10	0.1	500	<1	<10	7	58	72	200	190	23	13.8	3.5
450N	100E	8	>300	30	0.2	1000	<1	20	15	141	232	500	210	33	17.1	7.4

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
L400N	150E	49	19	36	<5	22	<5	5.5	61	575	40	<1	13	<1	92	<1	29
L400N	175E	27	14	17	<5	30	<5	2	38	551	70	<1	7	<1	86	<1	21
L400N	200E	81	18	29	<5	7	5	4.9	50	561	70	<1	11	<1	85	1	39
L400N	225E	147	3	4	<5	30	<5	1.8	7	733	<10	<1	2	<1	112	<1	21
L400N	250E	89	9	16	<5	21	<5	4.9	26	539	50	<1	6	<1	170	1	27
L400N	275E	66	13	24	<5	7	<5	4.3	40	486	110	<1	9	<1	87	<1	34
L400N	300E	78	13	15	<5	8	<5	2.5	29	790	120	<1	6	<1	129	<1	35
L400N	325E	257	3	5	<5	55	<5	1.6	9	1230	10	<1	2	<1	113	<1	18
L400N	350E	158	7	11	<5	26	<5	1.1	17	1510	60	<1	4	<1	124	<1	26
L400N	375E	262	10	19	<5	44	5	2	29	1320	<10	<1	6	<1	62	<1	38
L400N	400E	187	4	8	<5	104	12	1.1	13	772	20	<1	3	<1	57	1	13
L400N	425E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	450E	19	7	12	<5	109	<5	<0.5	23	356	10	<1	5	<1	67	<1	7
L400N	475E	38	15	25	<5	112	<5	1.8	44	954	60	<1	9	<1	50	<1	28
L400N	500E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	525E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	550E	49	16	25	<5	57	<5	1.4	47	881	100	<1	10	<1	45	<1	25
L400N	575E	71	15	31	<5	49	<5	3.2	46	804	130	<1	10	<1	46	<1	32
L400N	600E	67	12	22	<5	77	5	1.5	37	1000	80	<1	8	<1	61	<1	29
Line 450N																	
450N	650W	12	39	16	<5	64	<5	1.9	61	809	<10	<1	10	<1	65	<1	33
450N	625W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
450N	600W	17	33	20	<5	38	<5	0.5	59	638	20	<1	10	<1	55	<1	16
450N	575W	27	26	9	<5	35	<5	<0.5	32	725	30	<1	6	<1	57	<1	17
450N	550W	49	22	10	<5	53	<5	0.5	30	248	120	<1	5	<1	23	<1	11
450N	525W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
450N	500W	53	25	35	<5	64	<5	0.6	56	291	70	<1	12	<1	79	<1	40
450N	475W	57	14	5	<5	23	9	<0.5	18	300	<10	<1	3	<1	32	<1	83
450N	450W	63	190	90	<5	47	<5	<0.5	261	1160	60	<1	46	<1	35	1	78
450N	425W	25	46	83	<5	59	<5	<0.5	124	428	50	<1	27	<1	90	<1	42
450N	400W	12	6	3	<5	68	<5	<0.5	7	834	<10	<1	1	<1	41	<1	9
450N	375W	8	98	39	<5	69	<5	<0.5	122	389	<10	<1	20	<1	19	<1	48
450N	350W	34	48	42	<5	21	<5	<0.5	99	93	60	<1	19	<1	140	<1	80
450N	325W	44	24	41	<5	11	<5	1.5	68	266	210	<1	15	<1	108	<1	34
450N	300W	63	29	14	<5	30	<5	<0.5	44	488	40	<1	8	<1	42	<1	69
450N	275W	30	7	6	<5	88	<5	<0.5	12	540	40	<1	3	<1	45	<1	8
450N	250W	94	18	27	<5	106	<5	0.7	47	1500	60	<1	10	<1	170	1	60
450N	225W	80	9	10	<5	59	<5	0.8	21	1120	40	<1	5	<1	168	<1	39
450N	200W	53	39	43	<5	42	<5	1.7	94	845	180	<1	18	<1	111	2	83
450N	175W	90	15	27	<5	29	<5	2.2	42	585	120	<1	10	<1	127	<1	53
450N	150W	216	10	19	6	35	<5	11.4	29	854	120	<1	7	<1	21	1	80
450N	125W	20	17	16	<5	113	<5	0.6	38	878	60	<1	7	<1	22	<1	9
450N	100W	127	7	13	<5	81	<5	7.9	21	689	80	<1	5	<1	62	1	58
450N	75W	87	15	28	5	105	<5	1.4	42	933	110	<1	10	<1	66	1	41
450N	50W	6	34	19	<5	96	<5	<0.5	42	1590	40	<1	7	<1	50	<1	61
450N	25W	34	32	56	<5	123	<5	0.7	90	739	30	<1	19	<1	101	1	60
450N	0E	154	4	5	<5	13	<5	3	7	903	100	<1	2	<1	32	<1	23
450N	25E	158	8	18	<5	16	<5	7	24	762	110	<1	6	<1	58	<1	36
450N	50E	19	17	13	<5	53	<5	<0.5	29	1210	30	<1	6	<1	132	<1	24
450N	75E	73	16	23	<5	4	<5	2.3	39	942	50	<1	9	<1	79	<1	49
450N	100E	79	33	48	6	35	<5	4.1	92	1670	100	<1	19	<1	71	2	54

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
L400N	150E	15	<1	120	<1	3	<10	11.7	2350	<0.5	8	<1	76	5	80	39
L400N	175E	11	<1	190	<1	2	<10	5.8	746	<0.5	4	<1	84	5	130	23
L400N	200E	14	<1	60	<1	3	<10	16	1950	<0.5	9	<1	88	6	110	55
L400N	225E	2	<1	220	<1	<1	<10	6.3	876	<0.5	7	<1	26	2	80	23
L400N	250E	7	<1	130	<1	1	<10	13.4	3580	<0.5	7	<1	47	4	200	48
L400N	275E	11	<1	20	<1	2	<10	16.9	2230	<0.5	8	<1	76	6	200	55
L400N	300E	9	<1	80	<1	2	<10	15.1	1400	<0.5	8	<1	99	9	1290	50
L400N	325E	2	<1	350	<1	<1	<10	5.6	704	<0.5	7	<1	25	2	220	18
L400N	350E	5	<1	170	<1	1	<10	12.9	541	<0.5	10	<1	42	4	160	32
L400N	375E	8	<1	160	<1	2	<10	12.2	631	<0.5	15	<1	56	5	90	32
L400N	400E	3	<1	270	<1	<1	<10	4.7	466	<0.5	6	<1	20	2	130	14
L400N	425E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	450E	6	<1	270	<1	1	<10	2.9	181	<0.5	3	<1	29	2	140	9
L400N	475E	11	<1	320	<1	2	<10	5.3	615	<0.5	7	<1	73	5	250	19
L400N	500E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	525E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
L400N	550E	13	<1	240	<1	3	<10	8	744	<0.5	5	<1	84	6	240	20
L400N	575E	11	<1	240	<1	2	<10	17	1490	<0.5	7	<1	65	5	250	47
L400N	600E	10	<1	330	<1	2	<10	11.7	621	<0.5	10	<1	62	5	400	34
Line 450N																
450N	650W	25	<1	520	<1	6	20	6.6	21	1	8	2	172	13	20	15
450N	625W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
450N	600W	22	<1	610	<1	5	<10	6	10	0.5	6	2	166	11	<20	5
450N	575W	14	<1	500	<1	4	<10	2.6	21	<0.5	4	<1	191	12	260	<5
450N	550W	13	<1	1110	<1	4	<10	2	58	0.6	4	<1	156	13	160	9
450N	525W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
450N	500W	17	<1	650	<1	4	<10	11	191	0.7	5	<1	144	10	40	14
450N	475W	8	<1	380	<1	3	<10	1.3	13	5.1	15	<1	158	14	<20	<5
450N	450W	107	<1	830	<1	33	<10	5.3	38	2.5	17	<1	1570	90	200	8
450N	425W	33	<1	900	<1	8	<10	11.3	31	0.7	9	<1	183	13	20	13
450N	400W	3	<1	870	<1	<1	<10	1.1	8	<0.5	3	<1	38	3	350	<5
450N	375W	50	<1	1080	<1	15	<10	4	5	<0.5	6	<1	538	37	40	5
450N	350W	35	<1	460	<1	7	<10	10.3	66	0.7	11	<1	219	17	<20	13
450N	325W	18	<1	140	<1	5	<10	18.2	695	0.6	9	<1	152	11	1470	23
450N	300W	16	<1	450	<1	6	<10	4.7	53	<0.5	9	<1	329	27	880	<5
450N	275W	5	<1	820	<1	1	<10	2.5	79	<0.5	3	<1	35	3	1360	5
450N	250W	14	<1	320	<1	3	<10	10	469	0.6	6	<1	84	8	80	18
450N	225W	7	<1	210	<1	2	<10	6.4	410	<0.5	4	<1	43	4	530	17
450N	200W	29	<1	310	<1	6	<10	11.2	747	0.6	9	<1	187	13	40	34
450N	175W	12	<1	210	<1	2	<10	23.2	1320	0.5	7	<1	70	7	270	36
450N	150W	8	1	300	<1	2	<10	15.2	4790	<0.5	7	<1	58	5	810	72
450N	125W	12	<1	580	<1	2	<10	2.9	372	<0.5	4	<1	80	5	20	8
450N	100W	6	<1	310	<1	1	<10	11	3530	<0.5	5	<1	41	4	1260	51
450N	75W	12	<1	410	<1	2	<10	11.3	929	0.6	5	<1	71	6	480	22
450N	50W	19	<1	930	<1	6	<10	2.5	12	0.8	4	<1	213	20	<20	8
450N	25W	25	<1	520	<1	5	<10	13	480	0.9	9	<1	128	9	150	33
450N	0E	3	<1	170	<1	<1	<10	5.9	1130	<0.5	3	<1	38	4	320	14
450N	25E	7	<1	90	<1	2	<10	14.2	2750	<0.5	7	<1	42	4	650	45
450N	50E	11	<1	500	<1	3	<10	3.1	121	0.6	2	<1	93	8	50	6
450N	75E	12	<1	20	<1	3	<10	11.3	1120	0.5	8	<1	109	11	80	28
450N	100E	26	<1	100	<1	6	<10	17.7	2340	0.5	7	<1	160	13	80	48

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
450N	125E	1	284	10	<0.1	1230	<1	30	42	72	461	500	230	34	22	5.5
450N	150E	5	238	20	0.3	710	<1	120	10	86	84	500	160	18	8.7	4.7
450N	175E	4	182	<10	0.2	760	<1	160	10	54	47	300	180	17	9	4.5
450N	200E	7	280	20	0.2	940	<1	50	13	61	140	500	210	15	8.1	3.3
450N	225E	3	188	30	0.1	810	<1	50	8	109	282	500	230	22	10.9	5
450N	250E	4	117	20	0.2	780	<1	90	14	79	172	200	130	13	6.4	2.9
450N	275E	3	187	40	0.3	680	<1	20	8	287	124	400	270	45	21.6	12
450N	300E	13	198	30	0.4	680	<1	20	9	104	365	400	350	22	11.2	5.1
450N	325E	17	164	10	0.3	650	<1	40	9	91	252	200	290	16	7.8	3.9
450N	350E	9	104	<10	0.4	800	<1	130	15	54	323	100	240	11	5.8	2.9
450N	375E	33	22	20	2.3	740	<1	130	8	32	47	<100	490	18	8.3	5.5
450N	400E	5	62	20	0.1	1000	<1	140	27	61	471	200	270	9	4.6	2.2
450N	425E	15	71	<10	0.3	570	<1	120	13	60	87	<100	210	18	10.1	4
450N	450E	13	20	<10	0.6	420	<1	180	26	<5	15	<100	340	4	2.1	0.8
450N	475E	1	30	<10	<0.1	370	<1	150	89	6	156	<100	160	4	5.5	<0.5
450N	500E	2	137	<10	<0.1	420	<1	40	29	12	272	<100	250	9	6.5	1.3
450N	525E	33	91	30	1	840	<1	70	25	90	991	200	890	16	8.4	3.6
450N	550E	6	105	40	0.1	1550	<1	80	16	112	1460	400	370	9	4.7	2.1
450N	575E	9	74	20	0.3	1030	<1	90	13	57	365	300	500	8	4.5	2.2
450N	600E	11	130	40	0.5	1700	1	60	11	127	450	500	550	14	6.8	3.3
Line 500N																
500N	650W	4	181	<10	0.1	550	<1	130	26	96	87	100	670	35	18	7.7
500N	625W	16	53	<10	1.8	1660	<1	410	9	141	69	100	680	28	13.5	7.9
500N	600W	7	69	10	0.9	930	<1	300	8	91	33	100	480	31	15.2	9.6
500N	575W	5	53	<10	0.4	1230	<1	470	7	63	95	<100	330	14	6.6	4.3
500N	550W	7	92	10	0.9	1570	<1	260	5	188	29	100	380	35	15.8	10.4
500N	525W	29	94	<10	0.9	1150	<1	1010	23	79	10	<100	960	39	17.9	14.5
500N	500W	3	203	10	<0.1	690	<1	150	42	42	92	100	240	11	5.3	2.6
500N	475W	11	73	<10	1.3	1460	<1	480	5	47	10	<100	450	21	10.1	8
500N	450W	18	14	<10	1.5	2280	<1	920	8	27	88	<100	910	17	9.3	5.4
500N	425W	6	101	10	7.8	1060	<1	410	6	113	18	<100	630	81	40.2	22.5
500N	400W	1	197	20	0.4	1160	<1	190	8	105	351	100	550	22	11.1	4.6
500N	375W	18	13	<10	3	1010	<1	770	4	20	27	<100	590	26	12.2	8.1
500N	350W	4	158	<10	0.2	810	<1	780	11	74	110	<100	810	23	12.3	6.3
500N	325W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
500N	300W	2	218	10	<0.1	610	<1	70	12	41	409	400	390	22	11.6	3.6
500N	275W	4	113	10	0.2	600	<1	110	58	39	579	<100	920	18	11.3	4.4
500N	250W	6	211	20	0.3	820	<1	100	13	91	221	200	190	14	6.8	3.4
500N	225W	9	51	20	1.7	1110	<1	270	4	36	18	<100	220	14	6.5	4.8
500N	200W	3	199	<10	<0.1	490	<1	90	17	64	44	<100	420	53	28.8	10
500N	175W	6	96	<10	0.2	460	<1	290	17	51	45	100	200	23	12.4	6.1
500N	150W	2	193	20	<0.1	1010	<1	110	11	100	121	200	170	12	6.1	3.3
500N	125W	3	140	20	<0.1	760	<1	180	16	67	140	300	110	16	7.9	4.2
500N	100W	6	101	<10	0.1	1110	<1	300	16	91	24	<100	230	28	13.7	7.9
500N	75W	5	75	<10	<0.1	790	<1	230	4	13	15	<100	70	3	1.8	0.8
500N	50W	8	260	<10	0.5	1080	<1	10	12	233	78	100	210	25	10.4	7.7
500N	25W	6	106	<10	0.3	1020	<1	310	28	45	10	100	260	19	9.2	6.2
500N	0E	4	130	20	0.6	800	<1	160	17	105	97	200	150	19	9.6	5.6
500N	25E	3	86	<10	0.6	3230	<1	280	7	68	11	<100	230	44	29.6	9.8
500N	50E	5	200	30	0.4	870	<1	50	7	122	59	400	380	36	19.2	8.7
500N	75E	2	269	20	<0.1	790	<1	20	9	165	146	500	350	26	12.7	6.4

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
450N	125E	111	27	26	6	29	<5	7.4	58	1900	70	<1	12	<1	91	1	70
450N	150E	52	21	38	10	34	<5	2.1	59	675	70	<1	13	<1	144	1	40
450N	175E	59	20	24	<5	47	<5	2.2	51	784	100	<1	11	<1	106	<1	39
450N	200E	129	15	24	<5	25	5	7.5	40	673	130	<1	9	<1	77	1	41
450N	225E	64	21	35	<5	23	<5	4	58	697	80	<1	13	<1	77	1	47
450N	250E	54	13	27	<5	42	<5	3.7	42	599	120	<1	10	<1	93	<1	30
450N	275E	59	50	106	<5	10	<5	3.4	162	565	80	<1	38	<1	117	2	82
450N	300E	78	21	35	<5	8	7	4.8	56	976	100	<1	13	<1	103	2	47
450N	325E	105	16	37	<5	24	<5	3.3	46	734	100	<1	12	<1	111	<1	25
450N	350E	70	12	21	<5	74	<5	1.4	33	950	110	<1	8	<1	104	<1	18
450N	375E	13	23	27	<5	230	<5	<0.5	60	2780	20	<1	12	<1	40	<1	17
450N	400E	105	10	22	<5	115	7	2.8	31	1010	90	<1	7	<1	88	1	20
450N	425E	37	17	28	<5	128	<5	<0.5	46	2430	50	<1	10	<1	102	<1	33
450N	450E	3	4	2	<5	203	<5	<0.5	5	2510	<10	<1	<1	<1	45	<1	6
450N	475E	4	2	2	<5	56	<5	<0.5	3	1080	90	<1	<1	<1	21	<1	14
450N	500E	124	5	4	<5	24	<5	3.4	9	422	200	<1	2	<1	24	<1	74
450N	525E	168	16	27	<5	68	8	4.2	44	1580	50	<1	10	<1	85	1	46
450N	550E	159	10	30	10	74	13	12.6	34	1430	140	<1	9	<1	38	2	35
450N	575E	183	9	21	<5	79	10	4.9	28	832	60	<1	7	<1	90	1	23
450N	600E	216	14	42	12	58	17	11.9	48	917	120	<1	12	<1	90	2	49
Line 500N																	
500N	650W	47	35	32	<5	21	<5	2	73	932	40	<1	14	<1	105	<1	64
500N	625W	30	33	39	9	79	<5	0.8	79	1030	30	<1	15	<1	53	<1	31
500N	600W	29	40	47	<5	73	<5	0.9	93	1130	20	<1	19	<1	55	<1	32
500N	575W	33	18	20	<5	40	<5	<0.5	42	316	10	<1	8	<1	51	<1	11
500N	550W	33	44	65	<5	72	<5	0.7	126	765	40	<1	26	<1	76	<1	36
500N	525W	27	56	36	<5	52	<5	0.6	108	740	20	<1	18	<1	51	4	14
500N	500W	71	11	15	8	19	<5	1.8	26	256	40	<1	6	<1	103	<1	29
500N	475W	11	31	27	5	33	<5	<0.5	71	173	10	<1	13	<1	82	<1	16
500N	450W	11	20	15	<5	35	<5	<0.5	37	357	<10	<1	7	<1	25	<1	16
500N	425W	25	92	53	<5	19	<5	<0.5	164	518	10	<1	28	<1	136	<1	36
500N	400W	120	20	27	<5	24	<5	2.4	45	500	40	<1	10	<1	233	1	86
500N	375W	8	32	18	<5	54	<5	<0.5	54	252	<10	<1	9	<1	20	<1	17
500N	350W	58	28	27	<5	52	<5	<0.5	63	1060	30	<1	12	<1	56	<1	12
500N	325W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
500N	300W	197	16	14	8	33	<5	2.4	32	1230	70	<1	6	<1	133	<1	61
500N	275W	407	16	14	7	13	6	2.8	33	472	30	<1	6	<1	157	<1	48
500N	250W	52	14	30	<5	34	<5	1.3	39	509	150	<1	9	<1	153	1	24
500N	225W	21	18	21	<5	77	<5	<0.5	49	478	10	<1	9	<1	126	<1	12
500N	200W	37	47	28	<5	19	<5	0.7	89	531	40	<1	16	<1	47	<1	81
500N	175W	20	25	18	7	50	<5	<0.5	50	773	30	<1	9	<1	103	<1	42
500N	150W	70	14	39	6	28	<5	1.5	50	402	60	<1	12	<1	116	<1	20
500N	125W	44	18	23	6	35	<5	1.3	47	602	80	<1	9	<1	133	<1	26
500N	100W	21	34	34	<5	105	<5	<0.5	77	2090	30	<1	15	<1	58	<1	17
500N	75W	33	3	5	<5	137	<5	0.9	8	362	30	<1	2	<1	52	<1	6
500N	50W	33	31	95	<5	3	<5	3.2	111	199	160	<1	28	<1	94	1	35
500N	25W	20	25	25	9	102	<5	<0.5	58	1850	20	<1	11	<1	102	<1	17
500N	0E	52	23	43	<5	53	<5	1.8	68	878	50	<1	15	<1	135	1	38
500N	25E	12	40	51	<5	100	<5	<0.5	87	982	<10	<1	17	<1	219	<1	169
500N	50E	67	36	55	<5	15	<5	6	102	642	60	<1	23	<1	100	2	87
500N	75E	78	27	51	<5	6	<5	4.9	88	818	60	<1	20	<1	145	1	52



ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
450N	125E	18	<1	140	<1	5	<10	17.7	3100	<0.5	13	<1	193	17	580	55
450N	150E	16	<1	150	<1	3	<10	13.6	1210	<0.5	6	<1	88	6	160	38
450N	175E	15	<1	180	<1	3	<10	11.7	1040	<0.5	8	<1	88	7	170	34
450N	200E	12	<1	130	<1	3	<10	16.3	4130	<0.5	9	<1	76	6	240	54
450N	225E	16	<1	120	<1	4	<10	25.2	2540	<0.5	14	<1	109	8	200	85
450N	250E	11	<1	170	<1	2	<10	15.3	1890	<0.5	7	<1	69	5	370	56
450N	275E	43	<1	50	<1	8	<10	29.2	2240	<0.5	17	1	225	16	100	93
450N	300E	17	<1	60	<1	4	<10	25.1	2720	<0.5	11	<1	110	9	200	97
450N	325E	13	<1	120	<1	3	<10	11.3	1950	<0.5	7	<1	83	6	190	36
450N	350E	9	<1	290	<1	2	<10	7.8	996	<0.5	6	<1	63	4	340	23
450N	375E	18	<1	300	<1	4	<10	2.6	32	<0.5	10	<1	111	6	60	8
450N	400E	8	<1	410	<1	2	<10	7.3	1340	<0.5	6	<1	52	4	310	27
450N	425E	13	<1	350	<1	3	<10	5.6	300	<0.5	7	<1	114	8	210	13
450N	450E	2	<1	340	<1	<1	<10	<0.5	<3	<0.5	3	<1	25	2	90	<5
450N	475E	1	<1	380	<1	<1	<10	<0.5	6	<0.5	2	<1	28	6	1100	<5
450N	500E	3	<1	100	<1	1	<10	8.5	1360	<0.5	5	<1	52	6	1570	21
450N	525E	13	<1	210	<1	3	<10	12.3	1890	<0.5	10	<1	85	7	220	39
450N	550E	8	1	260	<1	2	<10	16	6000	<0.5	5	2	52	4	460	68
450N	575E	7	<1	280	<1	2	<10	9.7	2370	<0.5	6	<1	48	4	280	37
450N	600E	12	1	200	<1	3	<10	25.8	5760	<0.5	10	2	73	5	290	107
Line 500N																
500N	650W	25	<1	170	3	6	<10	8.2	367	0.6	3	4	182	13	250	15
500N	625W	25	<1	610	1	5	<10	7.6	29	0.7	6	2	153	9	50	11
500N	600W	30	<1	440	1	6	<10	5	90	0.5	5	1	183	11	60	10
500N	575W	13	<1	570	<1	3	<10	3.6	23	<0.5	4	<1	77	4	40	<5
500N	550W	36	<1	470	<1	7	<10	8.5	104	0.8	5	<1	163	11	20	11
500N	525W	39	<1	990	1	8	<10	3.3	78	0.7	16	1	250	12	40	9
500N	500W	8	<1	180	<1	2	<10	6.4	832	<0.5	2	<1	52	4	770	16
500N	475W	23	<1	770	<1	4	<10	3.4	21	0.6	7	<1	120	7	20	10
500N	450W	13	<1	990	<1	3	<10	1	<3	<0.5	5	<1	104	7	30	<5
500N	425W	63	<1	530	<1	15	<10	3.8	48	0.6	5	<1	455	28	50	8
500N	400W	15	<1	240	<1	4	<10	15.8	944	0.6	7	<1	97	9	90	31
500N	375W	21	36	860	<1	5	<10	2.6	<3	<0.5	4	<1	155	8	<20	<5
500N	350W	21	<1	700	<1	4	<10	2.4	168	0.6	6	<1	152	9	210	11
500N	325W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
500N	300W	11	<1	150	<1	3	<10	12.1	1190	<0.5	9	<1	107	8	780	30
500N	275W	12	<1	220	<1	3	<10	7.4	1210	<0.5	5	<1	107	10	250	22
500N	250W	12	<1	160	<1	3	<10	11.7	756	1	4	<1	69	5	40	28
500N	225W	15	<1	410	<1	3	<10	3.9	136	<0.5	5	<1	80	5	30	10
500N	200W	31	<1	220	<1	8	<10	7.3	254	<0.5	9	<1	333	21	140	25
500N	175W	17	<1	340	<1	4	<10	5.8	124	<0.5	12	<1	130	9	190	19
500N	150W	12	<1	130	<1	2	<10	9.7	756	<0.5	4	<1	62	4	140	20
500N	125W	14	<1	250	<1	3	<10	9.9	691	<0.5	4	<1	83	6	40	26
500N	100W	25	<1	530	<1	5	<10	2.1	68	<0.5	6	<1	164	9	410	5
500N	75W	2	<1	420	<1	<1	<10	2.3	766	<0.5	3	<1	16	1	90	9
500N	50W	27	<1	20	<1	5	<10	22.1	1700	<0.5	11	<1	117	8	90	68
500N	25W	19	<1	590	<1	4	<10	2	111	<0.5	17	<1	117	6	360	12
500N	0E	19	<1	250	<1	4	<10	11.5	824	<0.5	6	<1	102	7	330	29
500N	25E	27	<1	700	<1	7	<10	2.6	26	0.6	4	<1	262	27	50	14
500N	50E	29	<1	110	<1	6	<10	24.2	3260	0.6	13	1	186	15	120	91
500N	75E	23	<1	40	<1	5	<10	31.2	2120	<0.5	12	<1	117	9	220	83

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
500N	100E	8	184	20	<0.1	1240	<1	20	9	185	100	500	180	22	10.7	6.1
500N	125E	2	139	20	0.2	3250	<1	150	6	949	321	200	360	115	47.1	44.1
500N	150E	3	>300	40	0.9	990	<1	10	10	103	163	800	290	16	7.2	3.9
500N	175E	4	226	20	0.2	990	<1	50	17	124	88	300	270	23	11.1	6.4
500N	200E	2	127	<10	<0.1	910	<1	180	21	71	64	100	170	22	10.8	5.9
500N	225E	5	172	30	0.2	1120	<1	30	12	108	108	400	210	14	6.3	3.6
500N	250E	4	160	10	0.1	660	<1	<10	7	12	517	200	280	3	2.3	0.5
500N	275E	5	168	40	0.7	1100	<1	50	11	232	397	600	400	30	13.6	7.7
500N	300E	14	139	20	0.2	1020	<1	90	10	147	321	300	250	24	11.7	5.8
500N	325E	10	125	<10	<0.1	820	<1	110	19	99	116	<100	220	24	12.1	5.5
500N	350E	6	123	20	0.3	1180	<1	40	13	92	1300	300	430	17	9.4	3.6
500N	375E	12	77	10	0.1	610	<1	160	15	45	75	<100	150	11	5.7	2.6
500N	400E	4	71	40	0.1	800	<1	110	19	112	414	300	130	15	7	3.9
500N	425E	3	56	40	0.2	920	<1	140	37	42	536	200	80	7	4.1	1.8
500N	450E	12	139	20	0.1	640	<1	80	11	86	107	100	200	16	7.7	3.8
500N	475E	320	3	<10	557	450	<1	280	2	<5	73	<100	330	3	1.9	1.1
500N	500E	25	19	<10	<0.1	550	<1	240	21	5	20	<100	110	4	2.3	0.7
500N	525E	5	60	20	0.3	920	<1	140	19	60	548	100	300	9	4.4	2.1
500N	550E	25	138	20	0.5	1390	<1	110	30	370	328	100	780	86	42.5	21.9
500N	575E	5	64	30	0.3	1850	<1	170	11	90	809	200	370	12	6	3.3
500N	600E	23	86	20	2.9	2160	<1	100	9	264	589	200	840	27	12.9	7.4
<b>Surprise</b>	<b>2 Grid</b>															
Line ON																
ON	100W	12	40	10	0.05	2510	<1	250	3	45	31	50	80	4	2	1.2
ON	75W	17	66	20	0.05	3500	<1	180	8	57	59	100	210	7	3.6	1.8
ON	50W	17	50	20	0.05	2540	<1	230	5	59	71	100	140	7	3.5	2
ON	25W	20	69	5	0.9	3050	<1	410	17	19	180	200	360	7	5.7	0.9
ON	0E	15	36	20	0.05	1190	<1	190	4	33	61	50	120	4	2.1	1.3
ON	25E	14	37	20	0.05	2590	<1	220	11	36	53	50	160	4	2.2	1
ON	50E	9	78	30	0.05	2030	<1	190	9	80	81	200	150	6	2.9	1.7
ON	75E	9	3	5	0.4	1960	<1	230	5	12	32	50	560	10	5.8	2.7
ON	100E	38	12	5	2.7	2920	<1	210	2	48	17	50	720	74	40.2	21.3
ON	125E	11	66	20	0.3	2330	<1	150	3	73	35	200	180	10	4.5	3
ON	150E	21	98	40	0.1	3340	<1	120	9	113	179	300	360	12	5.6	2.8
ON	175E	12	139	20	0.05	1220	<1	70	11	159	107	200	200	15	6.5	4.3
ON	200E	17	56	10	0.05	1740	<1	210	10	55	32	100	120	5	2.4	1.6
ON	225E	15	41	10	0.3	1710	<1	290	1	33	42	100	180	6	2.9	1.7
ON	350E	25	9	10	0.5	1770	<1	460	8	18	65	50	880	8	4.2	2.3
Line 25 N																
25N	100W	10	59	5	0.2	4230	<1	190	6	73	43	100	120	7	3.8	1.9
25N	75W	8	63	20	0.05	2500	<1	230	4	30	46	200	130	3	1.6	0.8
25N	50W	6	62	30	1.6	1130	<1	120	6	41	65	200	100	4	2	1.2
25N	25W	3	53	20	0.2	1600	<1	90	2	60	64	100	140	7	3.7	2
25N	0E	9	38	30	0.2	2130	<1	130	5	76	57	100	130	4	2	1.1
25N	25E	16	108	20	0.05	2010	<1	190	19	52	123	200	160	7	3.9	1.8
25N	50E	10	50	30	0.05	1680	<1	190	12	41	63	100	100	5	2.5	1.3
25N	75E	13	97	20	0.05	2760	<1	130	12	38	114	200	150	5	2.7	1.2
25N	100E	10	78	20	0.05	2520	<1	200	14	42	83	200	200	5	2.7	1.4
25N	125E	28	12	5	0.8	2520	<1	500	6	47	68	50	1180	9	4.7	2.4
25N	150E	5	7	5	0.05	1340	<1	660	18	2.5	48	50	180	1	0.9	0.25
25N	175E	9	3	10	0.2	930	<1	300	10	16	49	50	540	4	2	1.1

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
500N	100E	62	25	77	<5	19	<5	4.1	92	683	50	<1	22	<1	261	<1	32
500N	125E	61	168	515	<5	40	<5	6.5	728	747	50	<1	172	<1	290	1	133
500N	150E	128	15	40	<5	5	6	7.2	50	630	100	<1	12	<1	134	2	40
500N	175E	73	26	51	<5	15	<5	3.2	82	862	130	<1	18	<1	120	2	33
500N	200E	44	25	31	<5	54	<5	1.4	64	871	100	<1	13	<1	86	<1	31
500N	225E	80	14	44	<5	12	7	5.1	51	420	140	<1	13	<1	77	1	31
500N	250E	187	2	5	<5	6	<5	3.9	6	532	20	<1	1	<1	58	<1	27
500N	275E	87	32	83	<5	28	7	4.6	106	1140	110	<1	27	<1	124	2	85
500N	300E	94	25	53	<5	69	5	3.1	77	1080	100	<1	18	<1	102	<1	34
500N	325E	40	25	36	<5	89	<5	1.6	66	1330	60	<1	15	<1	95	<1	35
500N	350E	156	16	27	<5	26	<5	3.8	43	1530	80	<1	10	<1	102	1	39
500N	375E	38	12	18	<5	116	<5	1.7	32	922	70	<1	7	<1	77	<1	19
500N	400E	55	17	38	<5	105	<5	1.5	55	1180	80	<1	13	<1	49	1	28
500N	425E	58	7	13	<5	153	<5	2.5	21	1550	60	<1	5	<1	21	1	22
500N	450E	56	16	30	<5	72	<5	2.2	46	760	70	<1	11	<1	58	<1	20
500N	475E	1	4	<1	<5	303	<5	<0.5	1	197	<10	<1	<1	<1	21	<1	9
500N	500E	3	4	2	<5	105	<5	<0.5	5	1010	20	<1	<1	<1	36	<1	6
500N	525E	65	9	20	<5	120	<5	2	28	1030	60	<1	7	<1	47	<1	24
500N	550E	60	93	141	<5	50	<5	0.9	245	2680	120	<1	57	<1	88	<1	94
500N	575E	82	14	38	<5	86	11	2.2	48	788	110	<1	12	<1	136	2	30
500N	600E	102	32	93	<5	80	7	2.6	112	1980	120	<1	29	<1	87	1	48
<b>Surprise</b>	<b>2 Grid</b>																
Line ON																	
ON	100W	36	5	17	2.5	38	2.5	1.2	20	197	30	<1	5	3	109	2.5	8
ON	75W	51	8	21	2.5	35	2.5	2.4	28	584	50	<1	7	3	121	2.5	20
ON	50W	54	8	23	2.5	40	2.5	1.8	30	548	40	<1	7	3	87	2.5	14
ON	25W	16	6	6	2.5	68	2.5	0.25	10	1340	60	<1	2	3	106	2.5	11
ON	0E	36	5	12	2.5	38	2.5	1	17	364	30	<1	4	3	85	2.5	9
ON	25E	35	5	11	2.5	52	6	1.1	16	400	30	<1	4	3	101	2.5	11
ON	50E	48	7	18	2.5	39	2.5	2.1	23	279	40	<1	6	3	85	2.5	23
ON	75E	4	12	9	2.5	80	2.5	0.25	24	812	5	<1	4	3	14	2.5	11
ON	100E	9	103	86	2.5	122	2.5	0.25	222	726	10	<1	38	3	27	2.5	63
ON	125E	50	12	34	2.5	47	7	1.8	46	424	30	<1	11	3	121	2.5	25
ON	150E	83	13	50	2.5	52	6	3.8	50	840	100	<1	13	3	77	2.5	33
ON	175E	62	18	73	2.5	53	2.5	2.4	70	1110	110	<1	18	3	74	2.5	33
ON	200E	28	7	19	2.5	58	2.5	0.6	24	446	40	<1	6	3	89	2.5	11
ON	225E	20	7	10	2.5	94	2.5	0.25	20	382	10	<1	4	3	58	2.5	12
ON	350E	8	11	13	2.5	78	9	1.8	26	818	5	<1	5	3	43	2.5	8
Line 25 N																	
25N	100W	45	9	26	2.5	111	2.5	1.6	32	787	80	<1	8	3	91	2.5	17
25N	75W	34	4	9	2.5	37	2.5	0.6	12	197	60	<1	3	3	107	2.5	13
25N	50W	44	4	12	2.5	43	2.5	1.4	16	200	40	<1	4	3	102	2.5	17
25N	25W	28	9	19	2.5	31	6	0.7	30	162	40	<1	7	3	77	2.5	21
25N	0E	34	5	11	2.5	35	2.5	0.8	16	287	30	<1	4	3	92	2.5	14
25N	25E	85	8	19	2.5	40	2.5	1.9	27	924	70	<1	6	3	101	2.5	27
25N	50E	42	6	15	2.5	40	2.5	1.2	21	383	40	<1	5	3	76	2.5	12
25N	75E	68	5	17	2.5	40	5	2.3	20	465	80	<1	5	3	93	2.5	28
25N	100E	51	6	17	2.5	45	2.5	1.6	21	325	60	<1	5	3	102	2.5	21
25N	125E	14	11	12	2.5	89	2.5	0.25	27	3830	5	<1	5	3	7	1	13
25N	150E	4	2.5	2.5	2.5	46	2.5	0.25	2.5	1170	20	<1	2.5	3	8	2.5	2.5
25N	175E	6	5	6	2.5	33	2.5	0.25	12	965	5	<1	2	3	25	2.5	5

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
500N	100E	22	<1	70	<1	4	<10	17.6	1630	<0.5	5	<1	104	8	200	38
500N	125E	160	<1	510	<1	25	<10	38.3	2120	0.8	13	1	542	30	70	60
500N	150E	13	<1	40	<1	3	<10	29.8	3710	<0.5	10	<1	65	5	270	87
500N	175E	23	<1	80	<1	4	<10	21.8	1960	<0.5	8	<1	115	8	230	52
500N	200E	19	<1	240	<1	4	<10	12.8	765	<0.5	7	<1	110	8	230	25
500N	225E	12	<1	70	<1	2	<10	17.6	2740	<0.5	7	<1	66	5	390	60
500N	250E	2	<1	20	<1	<1	<10	10.7	1700	<0.5	7	<1	18	3	220	49
500N	275E	27	<1	110	<1	6	<10	27.7	2390	<0.5	16	<1	144	10	330	90
500N	300E	20	<1	190	<1	4	<10	9.8	1870	<0.5	5	<1	133	8	380	33
500N	325E	19	<1	250	<1	4	<10	5	833	<0.5	6	<1	143	8	270	16
500N	350E	12	<1	110	<1	3	<10	12.3	2060	<0.5	6	<1	97	8	560	39
500N	375E	9	<1	270	<1	2	<10	3.9	565	<0.5	5	<1	66	4	250	14
500N	400E	14	<1	340	<1	3	<10	8.7	896	<0.5	5	<1	81	5	310	26
500N	425E	6	<1	350	<1	1	<10	4	1030	<0.5	3	<1	44	3	1050	19
500N	450E	13	<1	150	<1	3	<10	5.1	1350	<0.5	3	<1	89	5	140	17
500N	475E	1	<1	990	<1	<1	<10	<0.5	<3	<0.5	2	<1	19	2	<20	<5
500N	500E	2	<1	530	<1	<1	<10	<0.5	<3	<0.5	<1	<1	22	2	350	<5
500N	525E	7	<1	340	<1	1	<10	6	763	<0.5	5	<1	51	4	350	26
500N	550E	71	<1	300	<1	16	<10	19.8	457	<0.5	16	<1	491	32	200	33
500N	575E	11	<1	690	<1	2	<10	14.6	1010	<0.5	10	<1	71	5	340	55
500N	600E	27	<1	420	<1	5	<10	17.3	1460	<0.5	9	<1	153	10	260	52
<b>Surprise</b>	<b>2 Grid</b>															
Line ON																
ON	100W	5	2.5	540	<1	2.5	5	4.4	293	0.25	3	2.5	22	1	30	12
ON	75W	7	2.5	400	<1	1	5	9.1	663	0.25	3	2.5	37	3	90	25
ON	50W	7	2.5	460	<1	1	5	7.1	575	0.25	3	2.5	37	3	30	17
ON	25W	3	2.5	900	<1	1	5	3.2	14	0.25	7	2.5	39	5	110	2.5
ON	0E	5	2.5	420	<1	2.5	5	4.5	319	0.25	3	2.5	21	2	30	13
ON	25E	4	2.5	430	<1	2.5	5	5.8	271	0.25	3	2.5	21	2	50	14
ON	50E	6	2.5	330	<1	1	5	10.1	508	0.25	6	2.5	26	2	60	44
ON	75E	8	2.5	440	<1	2	5	2	4	0.25	5	2.5	88	5	10	6
ON	100E	69	2.5	630	<1	14	5	9.6	10	0.25	39	2.5	538	28	10	14
ON	125E	11	2.5	350	<1	2	5	10	629	0.25	7	2.5	42	3	50	30
ON	150E	12	2.5	420	<1	2	5	19.7	1700	0.25	6	2.5	59	4	90	43
ON	175E	16	2.5	180	<1	3	5	12.7	1400	0.25	5	2.5	71	5	50	35
ON	200E	6	2.5	460	<1	1	5	6	228	0.25	3	2.5	27	2	30	12
ON	225E	6	2.5	530	<1	1	5	6.2	61	0.25	8	2.5	27	2	10	8
ON	350E	7	2.5	730	3	2	10	6.3	13	0.25	17	2.5	53	3	40	7
Line 25 N																
25N	100W	8	2.5	470	<1	1	5	8	476	0.25	4	2.5	41	3	40	17
25N	75W	3	2.5	580	<1	2.5	5	6	196	0.25	4	2.5	14	1	30	19
25N	50W	4	2.5	270	<1	2.5	5	7	369	0.25	4	2.5	17	1	40	23
25N	25W	8	2.5	210	<1	1	5	7.9	242	0.25	5	2.5	35	3	10	30
25N	0E	4	2.5	350	<1	2.5	5	7.6	226	0.25	3	2.5	19	2	30	21
25N	25E	7	2.5	310	<1	1	5	9.2	560	0.25	4	2.5	39	3	250	26
25N	50E	5	2.5	350	<1	2.5	5	5.9	396	0.25	3	2.5	25	2	90	16
25N	75E	5	2.5	280	<1	2.5	5	11	723	0.25	6	2.5	25	2	130	38
25N	100E	5	2.5	360	<1	2.5	5	7.7	464	0.25	6	2.5	26	2	130	25
25N	125E	8	2.5	860	<1	2	5	8	17	0.25	26	2.5	54	4	10	12
25N	150E	2.5	2.5	890	<1	2.5	5	0.25	4	0.25	2	2.5	6	2.5	70	2.5
25N	175E	4	2.5	360	<1	2.5	5	2.3	35	0.25	3	2.5	25	2	50	5

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
25N	200E	7	2	10	0.4	1140	<1	240	10	14	59	50	440	2	1.3	0.8
25N	350E	61	3	5	1.5	4470	<1	790	6	9	88	50	1150	6	3.4	1.2
Line 50N																
50N	100W	9	29	10	0.2	4320	<1	220	7	42	104	50	230	4	2.2	1
50N	75W	16	112	60	0.3	1720	<1	130	15	140	210	300	540	22	11.3	5.8
50N	50W	10	64	30	0.2	4090	<1	120	8	108	91	200	290	9	4.2	2.1
50N	25W	25	99	20	0.1	2390	<1	140	8	59	58	200	180	12	6.2	3
50N	0N	16	57	20	0.3	2660	<1	160	11	42	41	100	260	7	3.4	1.7
50N	25E	11	3	20	0.8	1750	<1	250	11	12	48	50	730	4	2.2	1.2
50N	50E	13	131	30	0.1	2960	<1	110	17	67	133	300	180	8	4.2	2.1
50N	75E	20	5	20	1.5	1640	<1	380	22	10	167	50	1940	3	1.7	0.9
50N	100E	9	4	20	1.8	1700	<1	360	22	18	121	50	840	3	1.9	1
50N	125E	8	3	20	0.2	2910	<1	180	7	7	54	50	410	2	1.2	0.6
50N	150E	10	3	20	19.7	2010	<1	200	8	21	73	50	490	3	1.8	1
50N	175E	8	3	20	1.7	2620	<1	170	7	9	50	50	390	3	1.4	0.7
50N	200E	7	4	20	0.3	1110	<1	310	15	18	109	50	650	3	1.8	1.2
50N	325E	13	55	5	0.05	3010	<1	190	14	53	459	200	750	3	1.6	0.6
50N	350E	17	19	5	0.1	4510	<1	240	3	47	51	50	190	4	2	1
Line 75N																
75N	125W	16	26	5	1.1	2220	<1	250	10	43	13	100	1170	36	19.3	10.4
75N	100W	10	4	10	5	2320	<1	250	10	9	42	50	870	3	1.7	1
75N	75W	10	3	10	25.2	1870	<1	200	8	14	53	50	670	3	1.6	0.9
75N	50W	9	51	40	0.2	3230	<1	130	9	52	112	100	190	5	2.4	1.2
75N	25W	12	127	50	0.1	3110	<1	60	8	89	172	300	180	10	4.7	2.7
75N	0E	18	29	20	0.5	3250	<1	190	9	75	58	50	230	7	3.4	1.8
75N	25E	11	4	20	0.7	1990	<1	230	9	16	72	50	720	3	1.9	1.1
75N	50E	10	4	20	1.1	970	<1	310	11	15	124	50	1080	3	1.9	1
75N	75E	8	3	20	1.1	1430	<1	200	7	18	63	50	580	4	2.2	1.2
75N	100E	12	4	20	0.4	1870	<1	240	11	16	87	50	790	3	1.7	1
75N	125E	14	5	20	0.5	1500	<1	320	17	21	139	50	980	4	2.4	1.4
75N	150E	11	5	20	0.6	1920	<1	290	14	24	104	50	780	5	2.6	1.5
75N	175E	10	4	20	0.6	2230	<1	260	11	13	122	50	750	3	1.7	0.9
75N	300E	20	56	10	0.05	1320	<1	170	7	30	28	100	140	3	1.4	1
75N	325E	12	71	20	0.1	3590	<1	120	3	103	121	200	140	9	4.4	2.4
75N	350E	17	68	5	0.05	3250	<1	260	8	52	51	100	150	7	3.7	1.7
75N	125N	8	4	20	0.4	2570	<1	190	7	8	51	50	540	3	1.3	0.7
75N	150N	8	3	20	0.4	2020	<1	170	7	7	37	50	580	2	1.3	0.7
Line 100N																
100N	300E	25	20	5	0.05	2710	<1	200	2	26	57	50	190	2	1.1	0.7
100N	325E	21	27	10	0.6	3190	<1	220	5	42	86	100	180	4	2.2	1.1
100N	350E	28	18	5	0.2	4170	<1	260	2	24	101	50	190	3	1.5	0.8
Line 125N																
125N	275E	15	26	10	0.2	3150	<1	240	6	24	38	50	140	2	1.1	0.6
125N	300E	24	37	5	0.1	2270	<1	210	5	44	72	50	310	4	1.7	1.1
125N	325E	15	47	10	0.6	3870	<1	220	4	46	56	50	240	5	2.5	1.4
125N	350E	33	46	10	0.05	2980	<1	240	4	24	34	50	150	3	1.6	0.7
Line 150N																
150N	275E	21	71	20	0.2	2660	<1	140	9	49	73	200	180	7	3.4	1.7
150N	300E	30	43	5	0.05	3410	<1	400	22	43	32	50	170	6	3.2	1.4
150N	325E	14	23	10	0.05	1210	<1	150	2	27	19	50	100	2	0.7	0.6
150N	350E	29	51	5	0.05	3470	<1	380	41	23	62	50	120	3	1.8	0.7

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
25N	200E	5	3	5	2.5	23	7	1.6	8	496	5	<1	2	3	16	2.5	2.5
25N	350E	4	7	4	14	146	6	0.7	11	1070	5	<1	2	3	2.5	2.5	2.5
Line 50N																	
50N	100W	25	5	12	2.5	47	2.5	1.1	16	373	30	<1	4	3	79	2.5	10
50N	75W	89	25	50	2.5	50	10	3.5	75	1620	130	<1	17	3	133	1	58
50N	50W	54	10	29	2.5	44	2.5	2.1	36	457	50	<1	9	3	106	2.5	28
50N	25W	60	14	32	2.5	28	6	2.7	44	381	70	<1	10	3	94	2.5	41
50N	0N	37	8	19	2.5	51	5	1.5	26	277	70	<1	6	3	85	2.5	20
50N	25E	7	5	6	2.5	18	5	0.25	13	778	5	<1	2	3	31	2.5	6
50N	50E	86	10	33	2.5	47	2.5	3	39	841	80	<1	10	3	89	2.5	30
50N	75E	9	4	4	2.5	22	15	0.25	9	1850	5	<1	2	3	2.5	2.5	2.5
50N	100E	10	5	7	2.5	29	10	0.25	12	1200	5	<1	2	3	8	2.5	5
50N	125E	4	3	3	2.5	14	2.5	0.25	7	401	5	<1	1	3	25	2.5	2.5
50N	150E	7	5	7	2.5	15	2.5	0.25	13	554	5	<1	3	3	12	2.5	5
50N	175E	4	4	3	2.5	13	2.5	0.25	9	469	5	<1	2	3	27	2.5	2.5
50N	200E	9	5	9	2.5	42	7	0.25	13	1520	5	<1	3	3	21	2.5	7
50N	325E	81	3	17	2.5	95	33	1.8	17	1200	5	<1	4	3	128	2.5	22
50N	350E	18	5	16	2.5	66	2.5	0.5	19	323	20	<1	4	3	80	2.5	6
Line 75N																	
75N	125W	21	47	53	2.5	120	2.5	0.25	109	3720	10	<1	20	3	16	2.5	19
75N	100W	5	5	5	2.5	25	5	0.25	11	499	5	<1	2	3	24	2.5	5
75N	75W	5	4	6	2.5	21	2.5	0.25	12	536	5	<1	2	3	28	2.5	2.5
75N	50W	43	6	15	2.5	55	2.5	1.5	20	510	50	<1	4	3	91	2.5	17
75N	25W	91	11	37	2.5	58	6	2.9	43	1290	80	<1	11	3	99	2.5	33
75N	0E	26	9	19	2.5	104	2.5	0.5	28	634	30	<1	6	3	59	2.5	13
75N	25E	8	5	6	2.5	32	2.5	0.25	12	814	5	<1	2	3	24	2.5	6
75N	50E	11	4	6	2.5	58	11	0.25	11	1740	5	<1	2	3	11	2.5	5
75N	75E	9	5	8	2.5	15	5	0.25	14	652	5	<1	3	3	15	2.5	5
75N	100E	7	5	5	2.5	26	7	0.25	12	859	5	<1	2	3	18	2.5	2.5
75N	125E	11	6	9	2.5	34	6	0.25	15	1670	5	<1	3	3	23	2.5	7
75N	150E	9	7	9	2.5	36	2.5	0.25	17	1250	5	<1	3	3	22	2.5	6
75N	175E	5	4	4	2.5	25	5	0.25	10	897	5	<1	2	3	30	2.5	2.5
75N	300E	43	4	14	2.5	58	8	1.5	15	292	50	<1	4	3	107	2.5	12
75N	325E	43	10	34	2.5	47	2.5	1.5	39	428	60	<1	10	3	97	2.5	29
75N	350E	45	9	24	2.5	76	6	1.3	29	703	70	<1	7	3	108	2.5	14
75N	125N	5	3	4	2.5	21	2.5	0.25	8	478	5	<1	1	3	32	2.5	2.5
75N	150N	5	3	4	2.5	34	2.5	0.25	8	430	5	<1	2	3	36	2.5	2.5
Line 100N																	
100N	300E	15	3	8	2.5	49	2.5	0.25	11	180	20	<1	2	3	82	2.5	2.5
100N	325E	28	6	14	2.5	62	2.5	0.5	19	406	30	<1	4	3	86	2.5	8
100N	350E	15	4	10	2.5	49	5	0.25	14	279	20	<1	3	3	75	2.5	2.5
Line 125N																	
125N	275E	26	3	11	2.5	72	2.5	1.2	13	326	20	<1	3	3	78	2.5	5
125N	300E	46	5	20	2.5	31	10	2	22	216	40	<1	5	3	62	2.5	9
125N	325E	37	6	18	2.5	58	2.5	1.2	22	371	50	<1	5	3	63	2.5	11
125N	350E	40	4	11	2.5	68	2.5	1.3	13	365	30	<1	3	3	68	2.5	8
Line 150N																	
150N	275E	61	7	24	2.5	31	2.5	2.2	27	342	60	<1	6	3	80	2.5	23
150N	300E	33	7	15	2.5	60	2.5	1.3	21	697	50	<1	5	3	147	2.5	8
150N	325E	16	2	6	2.5	16	2.5	0.25	8	87	20	<1	2	3	80	2.5	2.5
150N	350E	27	4	10	2.5	78	2.5	1	12	567	30	<1	3	3	105	2.5	7

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
25N	200E	2	2.5	330	3	2.5	5	3.7	29	0.25	3	2.5	16	1	150	2.5
25N	350E	4	2.5	1280	1	1	5	2.7	3	0.25	8	2.5	40	3	30	2.5
Line 50N																
50N	100W	4	2.5	650	2	2.5	5	6.9	41	0.25	4	4	24	2	10	9
50N	75W	20	2.5	350	2	3	5	21.8	1180	0.25	15	3	115	9	110	57
50N	50W	9	2.5	430	1	1	5	17.1	680	0.25	5	2	44	3	50	45
50N	25W	11	2.5	310	<1	2	5	12.7	856	0.25	6	1	67	5	40	43
50N	0N	7	2.5	360	<1	1	5	9.2	253	0.25	6	1	36	3	140	23
50N	25E	4	2.5	350	<1	2.5	5	2	14	0.25	4	2.5	30	2	10	5
50N	50E	9	2.5	280	<1	1	5	15.1	1130	0.25	4	1	47	4	180	51
50N	75E	3	2.5	490	<1	2.5	5	1.8	1.5	0.25	7	2.5	25	2	20	2.5
50N	100E	4	2.5	490	<1	2.5	5	2.2	28	0.25	5	2.5	27	2	90	7
50N	125E	2	2.5	340	<1	2.5	5	0.7	1.5	0.25	3	2.5	16	2.5	20	2.5
50N	150E	3	2.5	270	<1	2.5	5	1.4	23	0.25	3	2.5	25	1	10	7
50N	175E	3	2.5	300	<1	2.5	5	0.7	1.5	0.25	3	2.5	20	1	10	2.5
50N	200E	4	2.5	470	<1	2.5	5	2.2	68	0.25	3	2.5	24	1	160	8
50N	325E	3	2.5	380	<1	2.5	5	7.2	263	0.25	7	2.5	16	1	40	17
50N	350E	4	2.5	720	<1	2.5	5	4.5	88	0.25	2	2.5	25	1	30	6
Line 75N																
75N	125W	33	2.5	630	<1	6	5	10	35	0.25	52	2.5	255	15	10	20
75N	100W	3	2.5	370	<1	2.5	5	1.2	5	0.25	3	2.5	28	1	40	5
75N	75W	3	2.5	300	<1	2.5	5	1.2	12	0.25	2	2.5	24	1	50	2.5
75N	50W	5	2.5	400	<1	2.5	5	8.7	461	0.25	5	2.5	25	2	20	25
75N	25W	10	2.5	180	<1	2	5	18.3	944	0.25	5	2.5	50	4	50	58
75N	0E	7	2.5	550	<1	1	5	9.8	169	0.25	4	2.5	35	2	40	19
75N	25E	4	2.5	350	<1	2.5	5	1.7	21	0.25	3	2.5	27	2	50	6
75N	50E	3	2.5	470	<1	2.5	5	2.3	29	0.25	8	2.5	24	2	60	7
75N	75E	4	2.5	290	<1	2.5	5	1.8	27	0.25	3	2.5	30	2	30	7
75N	100E	4	2.5	410	<1	2.5	5	1.4	3	0.25	5	2.5	26	2	50	6
75N	125E	4	2.5	420	<1	2.5	5	2.5	50	0.25	4	2.5	32	2	170	8
75N	150E	5	2.5	380	<1	2.5	5	2.1	41	0.25	3	2.5	37	2	370	8
75N	175E	3	2.5	420	<1	2.5	5	1.1	1.5	0.25	4	2.5	24	1	40	2.5
75N	300E	3	2.5	290	<1	2.5	5	5.3	291	0.25	3	2.5	15	1	60	17
75N	325E	9	2.5	330	<1	2	5	11.3	448	0.25	5	2.5	42	3	50	30
75N	350E	7	2.5	500	<1	1	5	6.7	339	0.25	4	2.5	41	3	80	16
75N	125N	2	2.5	390	<1	2.5	5	0.7	1.5	0.25	4	2.5	19	1	40	2.5
75N	150N	2	2.5	470	<1	2.5	5	0.7	1.5	0.25	3	2.5	18	1	30	2.5
Line 100N																
100N	300E	2	2.5	410	<1	2.5	5	2.3	64	0.25	3	2.5	12	2.5	30	6
100N	325E	5	2.5	590	<1	2.5	5	7.3	234	0.25	3	2.5	23	2	20	11
100N	350E	4	2.5	630	<1	2.5	5	2.5	36	0.25	3	2.5	15	2.5	20	2.5
Line 125N																
125N	275E	3	2.5	490	<1	2.5	5	4.8	273	0.25	2	2.5	14	2.5	70	8
125N	300E	4	2.5	370	<1	2.5	5	7.1	375	0.25	4	2.5	18	1	50	17
125N	325E	6	2.5	500	<1	2.5	5	8.1	394	0.25	3	2.5	27	2	40	17
125N	350E	3	2.5	560	<1	2.5	5	4.7	292	0.25	2	2.5	17	1	70	11
Line 150N																
150N	275E	7	2.5	270	<1	1	5	9.8	534	0.25	5	2.5	36	3	80	31
150N	300E	6	2.5	650	<1	1	5	5	228	0.25	4	2.5	36	2	180	12
150N	325E	2	2.5	300	<1	2.5	5	2.3	70	0.25	3	2.5	8	2.5	10	7
150N	350E	3	2.5	940	<1	2.5	5	2.6	277	0.25	2	2.5	19	1	250	9

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Line 175N																
175N	300E	21	25	5	0.05	4010	<1	370	6	26	57	50	200	3	1.9	0.8
175N	325E	41	38	5	0.05	2720	<1	240	6	26	34	50	160	3	1.8	0.8
175N	350E	14	67	10	0.05	1920	<1	230	19	40	73	100	210	6	2.8	1.5
Line 200N																
200N	275E	24	17	5	0.1	3790	<1	240	5	22	39	50	140	2	1.2	0.6
200N	300E	26	33	5	0.05	2690	<1	190	3	38	41	50	140	4	1.9	1.3
200N	325E	19	35	5	0.1	2670	<1	170	4	28	65	50	240	3	1.4	0.8
200N	350E	31	38	10	0.3	1030	<1	240	4	7	53	50	280	1	0.6	0.25
Line 225N																
225N	275E	22	60	5	0.05	2360	<1	310	5	50	39	50	180	5	2.8	1.4
225N	300E	23	43	20	0.05	2300	<1	170	2	34	44	100	140	4	1.9	1
225N	325E	12	3	5	0.5	2470	<1	300	8	9	45	50	620	3	1.5	0.7
225N	350E	29	11	5	0.3	1680	<1	310	3	80	40	50	630	54	29.4	17.4
Line 250N																
250N	325E	25	12	5	0.2	3580	<1	330	6	14	46	50	370	2	0.9	0.25
250N	350E	33	50	10	0.05	3090	<1	180	4	37	29	50	150	5	2.1	1.2
Line 275N																
275N	350E	12	10	5	0.05	1340	<1	200	3	145	45	50	240	8	3.7	2.4
<b>Surprise 3 Grid</b>																
line 11750N																
11750N	25E	3	5	5	0.3	440	<1	410	6	9	335	50	1400	1	0.9	0.25
11750N	50E	4	5	30	0.3	990	<1	880	4	12	54	50	1090	3	1.8	0.6
11750N	75E	11	6	5	0.05	980	<1	1010	41	2.5	22	50	210	1	0.25	0.25
11750N	100E	14	2	5	1.9	1760	<1	340	1	29	18	50	880	26	11.7	7.6
11750N	125E	7	10	20	4.3	640	<1	200	7	177	73	50	590	51	23.7	13.1
11750N	150E	5	5	5	1.1	520	<1	420	11	71	274	50	3440	11	6.8	2.8
11750N	175E	11	1	20	0.4	690	<1	320	8	12	29	50	940	4	2.2	0.9
11750N	200E	10	2	5	0.1	1350	<1	940	12	6	25	50	530	1	0.7	0.25
11750N	225E	7	7	5	0.05	1250	<1	880	6	2.5	14	50	390	0.5	0.25	0.25
11750N	250E	5	2	5	0.1	1210	<1	930	13	2.5	12	50	290	0.5	0.25	0.25
11750N	275E	8	22	5	0.05	2040	<1	820	43	16	33	50	330	4	2.3	1.1
11750N	300E	4	3	10	0.05	770	<1	370	8	8	17	50	190	1	0.7	0.25
11750N	325E	8	3	5	0.1	660	<1	410	22	7	20	50	430	2	0.7	0.25
line 11850N																
11850N	75E	12	28	5	0.5	2610	<1	220	3	63	35	50	170	7	3.1	1.7
11850N	100E	15	10	5	0.4	1120	<1	310	4	251	249	50	350	13	5.6	2.8
11850N	125E	8	8	20	0.9	1590	<1	220	3	252	36	50	480	131	63.5	33.2
11850N	150E	8	2	10	0.6	1740	<1	320	1	55	15	50	500	17	7.5	4.6
11850N	175E	8	2	5	1.5	2240	<1	350	2	37	33	50	480	12	5.9	3.3
11850N	200E	15	2	5	1	1900	<1	380	6	34	48	50	1120	12	6.2	3
11850N	225E	2	7	5	0.05	990	<1	270	1	27	213	50	40	2	1.6	0.25
11850N	250E	3	3	30	0.4	770	<1	370	8	14	105	50	2180	3	2	0.6
11850N	275E	0.5	1	5	0.05	570	<1	330	4	2.5	163	50	360	0.5	0.25	0.25
11850N	300E	12	2	30	0.7	1240	<1	270	8	47	82	50	870	10	5.3	2.5
11850N	325E	12	3	5	0.5	770	<1	390	7	36	135	50	1670	7	3.7	1.7
11850N	350E	13	4	5	0.7	1230	<1	320	4	29	44	50	450	9	4	2.5
11850N	375E	24	3	20	1.4	1470	<1	420	5	35	229	50	1790	9	4.9	2.4
line 11950N																
11950N	75E	16	13	10	0.6	2060	<1	200	5	144	290	50	500	12	5.6	2.3
11950N	100E	9	21	10	0.1	2440	<1	170	6	56	56	50	120	6	2.6	1.5



ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
Line 175N																	
175N	300E	22	5	13	2.5	65	2.5	0.6	16	581	30	<1	4	3	57	2.5	2.5
175N	325E	45	4	13	2.5	40	2.5	2.1	15	373	40	<1	4	3	78	2.5	8
175N	350E	78	6	20	2.5	62	6	2.2	21	1170	60	<1	5	3	133	2.5	19
Line 200N																	
200N	275E	20	3	8	2.5	35	2.5	0.25	10	251	20	<1	2	3	63	2.5	2.5
200N	300E	32	6	17	2.5	34	5	1.5	21	282	30	<1	5	3	77	2.5	7
200N	325E	43	3	11	2.5	31	7	1.8	13	207	40	<1	3	3	101	2.5	8
200N	350E	10	1	3	2.5	32	7	0.25	4	157	10	<1	2.5	3	77	2.5	2.5
Line 225N																	
225N	275E	51	6	12	2.5	36	2.5	1.2	19	300	40	<1	4	3	107	2.5	17
225N	300E	33	4	13	2.5	32	2.5	1	16	136	40	<1	4	3	75	2.5	10
225N	325E	5	3	4	2.5	28	2.5	0.25	7	502	5	<1	1	3	12	2.5	2.5
225N	350E	16	73	104	2.5	70	2.5	0.25	201	777	20	<1	39	3	17	2.5	57
Line 250N																	
250N	325E	20	2	6	2.5	50	6	0.6	8	238	5	<1	2	3	41	2.5	2.5
250N	350E	37	5	13	2.5	47	2.5	2.8	17	240	40	<1	4	3	104	2.5	13
Line 275N																	
275N	350E	11	10	21	2.5	52	2.5	0.25	34	600	20	<1	7	3	24	2.5	14
<b>Surprise</b>	<b>3 Grid</b>																
line 11750N																	
11750N	25E	21	2	4	12	129	20	0.9	6	3090	10	<1	1	1	7	0.5	2.5
11750N	50E	35	3	7	2.5	377	44	0.25	9	7070	40	<1	2	1	2.5	3	7
11750N	75E	10	1	2	5	476	15	0.25	3	2720	30	<1	0.5	1	2.5	0.5	9
11750N	100E	5	42	37	8	163	6	0.25	102	1670	5	<1	18	1	12	0.5	10
11750N	125E	25	69	133	2.5	161	5	0.5	222	3370	40	<1	47	1	20	0.5	39
11750N	150E	32	14	30	12	142	139	0.7	46	4490	60	<1	10	1	9	9	8
11750N	175E	8	5	5	2.5	147	15	0.25	11	2870	10	<1	2	1	26	0.5	2.5
11750N	200E	15	2	3	7	541	13	0.25	4	6260	20	<1	0.5	1	17	0.5	12
11750N	225E	8	0.5	2	8	471	12	0.25	2	4360	20	<1	0.5	1	10	1	10
11750N	250E	4	0.5	0.5	7	584	15	0.25	1	4390	5	<1	0.5	1	7	1	10
11750N	275E	27	6	10	9	260	10	0.25	15	3480	20	<1	3	1	46	0.5	11
11750N	300E	10	2	3	13	140	7	0.25	5	1100	5	<1	1	1	51	0.5	2.5
11750N	325E	7	2	3	2.5	195	7	0.25	5	3110	5	<1	0.5	1	27	0.5	2.5
line 11850N																	
11850N	75E	16	9	23	2.5	67	2.5	0.25	28	200	70	<1	6	1	66	0.5	12
11850N	100E	21	15	40	2.5	93	5	0.25	54	593	40	<1	13	1	66	0.5	17
11850N	125E	23	185	328	2.5	130	2.5	0.5	543	2640	20	<1	110	1	10	0.5	53
11850N	150E	5	26	34	7	157	2.5	0.25	71	1380	10	<1	13	1	13	0.5	2.5
11850N	175E	5	19	22	13	139	5	0.25	47	1240	5	<1	8	1	8	0.5	2.5
11850N	200E	7	16	15	9	156	9	0.25	32	2090	10	<1	6	1	8	0.5	5
11850N	225E	22	2	6	2.5	55	24	0.25	6	1120	30	<1	2	1	31	0.5	5
11850N	250E	22	3	7	6	122	159	0.25	8	5520	70	<1	2	1	36	27	6
11850N	275E	14	0.5	1	2.5	117	8	0.25	1	1660	10	<1	0.5	1	11	1	2.5
11850N	300E	24	13	19	5	156	13	0.25	33	2220	20	<1	7	1	35	1	9
11850N	325E	19	9	15	7	192	13	0.25	27	5910	20	<1	6	1	17	1	2.5
11850N	350E	6	13	18	12	343	6	0.25	38	3060	5	<1	7	1	23	0.5	2.5
11850N	375E	7	12	13	8	234	11	0.25	31	4230	20	<1	6	1	23	1	2.5
line 11950N																	
11950N	75E	34	13	35	2.5	93	8	0.8	39	769	70	<1	9	1	69	0.5	22
11950N	100E	17	8	17	2.5	81	5	0.25	27	761	50	<1	6	1	95	0.5	12

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Line 175N																
175N	300E	4	2.5	680	<1	2.5	5	3.5	163	0.25	3	2.5	22	1	40	7
175N	325E	3	2.5	490	<1	2.5	5	5.2	445	0.25	4	2.5	21	1	50	18
175N	350E	5	2.5	360	<1	1	5	7.6	548	0.25	3	2.5	35	2	110	21
Line 200N																
200N	275E	3	2.5	510	<1	2.5	5	3.7	83	0.25	2	2.5	12	2.5	30	7
200N	300E	5	2.5	330	<1	2.5	5	5.2	348	0.25	3	2.5	24	1	30	13
200N	325E	3	2.5	310	<1	2.5	5	6	392	0.25	3	2.5	15	1	40	17
200N	350E	1	2.5	310	<1	2.5	5	1.4	28	0.25	5	2.5	5	2.5	260	2.5
Line 225N																
225N	275E	5	2.5	440	<1	1	5	5.7	152	0.25	7	2.5	27	2	40	18
225N	300E	4	2.5	380	<1	2.5	5	6.1	319	0.25	4	2.5	18	1	20	20
225N	325E	2	2.5	400	<1	2.5	5	1.2	21	0.25	2	2.5	21	1	40	2.5
225N	350E	54	2.5	650	<1	10	5	12.5	51	0.25	24	2.5	344	23	30	19
Line 250N																
250N	325E	2	2.5	650	<1	2.5	5	1.7	96	0.25	3	2.5	10	2.5	30	6
250N	350E	4	2.5	400	<1	2.5	5	6.8	698	0.25	4	2.5	23	2	120	24
Line 275N																
275N	350E	9	2.5	650	<1	2	5	11.8	58	0.25	7	2.5	38	2	20	11
<b>Surprise</b>	<b>3 Grid</b>															
Line 11750N																
11750N	25E	1	0.5	970	<1	0.5	5	0.7	38	0.25	8	0.5	9	0.5	20	2.5
11750N	50E	2	0.5	2130	<1	0.5	5	3.9	33	0.6	21	0.5	31	2	10	2.5
11750N	75E	0.5	0.5	2460	<1	0.5	5	1.8	18	0.25	62	0.5	7	0.5	10	2.5
11750N	100E	34	0.5	860	<1	6	5	7.9	9	0.25	5	0.5	165	9	10	6
11750N	125E	59	0.5	410	<1	10	5	21.9	92	0.25	78	1	275	17	30	18
11750N	150E	11	0.5	650	<1	2	5	14	8	0.25	50	1	79	6	90	6
11750N	175E	4	0.5	680	<1	0.5	5	3.6	22	0.25	5	0.5	32	2	10	2.5
11750N	200E	0.5	0.5	2280	<1	0.5	5	0.9	25	0.25	9	0.5	10	0.5	290	2.5
11750N	225E	0.5	0.5	2080	<1	0.5	5	0.25	21	0.25	13	0.5	6	0.5	80	2.5
11750N	250E	0.5	0.5	2270	<1	0.5	5	0.25	15	0.25	13	0.5	2.5	0.5	10	2.5
11750N	275E	5	0.5	1710	<1	0.5	5	5.8	53	0.25	10	0.5	28	2	390	6
11750N	300E	1	0.5	750	<1	0.5	5	2.2	28	0.25	6	0.5	10	0.5	80	2.5
11750N	325E	2	0.5	870	<1	0.5	5	1.3	15	0.25	5	1	11	0.5	20	2.5
Line 11850N																
11850N	75E	7	0.5	1090	<1	1	5	5.3	18	0.25	9	0.5	33	2	10	8
11850N	100E	14	0.5	1160	<1	2	5	9.3	19	0.25	12	0.5	52	4	10	10
11850N	125E	149	0.5	620	<1	26	5	41.3	145	0.25	33	1	772	46	20	30
11850N	150E	21	0.5	770	<1	3	5	6	30	0.25	4	0.5	109	6	30	2.5
11850N	175E	14	0.5	860	<1	2	5	3.3	17	0.25	3	0.5	88	4	20	2.5
11850N	200E	11	0.5	800	<1	2	5	5.2	10	0.25	6	0.5	84	5	30	2.5
11850N	225E	1	0.5	750	<1	0.5	5	1.6	4	0.25	3	0.5	10	1	10	2.5
11850N	250E	2	0.5	750	<1	0.5	5	2.8	33	0.25	31	0.5	21	2	60	2.5
11850N	275E	0.5	0.5	820	<1	0.5	5	0.25	1.5	0.25	2	0.5	2.5	0.5	10	2.5
11850N	300E	10	0.5	710	<1	2	5	8.2	92	0.25	3	0.5	61	5	20	6
11850N	325E	8	0.5	930	<1	1	5	5.2	18	0.25	6	0.5	43	3	10	2.5
11850N	350E	11	0.5	1010	<1	2	5	4.9	9	0.25	4	0.5	49	3	10	5
11850N	375E	10	0.5	1180	<1	2	5	5.8	3	0.25	8	1	59	4	20	2.5
Line 11950N																
11950N	75E	10	0.5	880	<1	2	5	7.2	173	0.25	8	1	55	4	70	13
11950N	100E	7	0.5	800	<1	1	5	5	128	0.25	6	0.5	26	2	70	10

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
11950N	125E	8	19	10	0.2	1570	<1	100	4	308	71	50	160	28	13.3	7.2
11950N	150E	8	48	10	0.3	2580	<1	110	1	89	26	50	80	10	4.5	2.4
11950N	175E	9	15	5	0.3	3680	<1	170	4	72	54	50	150	9	3.8	2.4
11950N	200E	26	44	10	0.2	1940	<1	220	3	48	28	50	120	5	2.1	1.1
11950N	225E	20	4	5	0.5	1880	<1	340	2	53	23	50	380	7	3.4	1.9
11950N	250E	13	2	10	0.9	1570	<1	390	3	22	27	50	390	9	4.6	2.3
11950N	275E	3	7	5	0.05	1320	<1	720	73	5	38	50	110	2	1.2	0.25
11950N	300E	7	5	5	0.6	1370	<1	240	5	151	47	50	270	29	13.1	6.1
11950N	325E	8	47	10	0.2	2290	<1	150	6	94	45	50	180	16	7.4	3.4
11950N	350E	6	8	5	0.3	2210	<1	260	7	10	18	50	70	4	2	0.6
11950N	375E	10	25	5	0.6	3190	<1	260	4	22	20	50	130	4	1.9	0.9
11950N	400E	12	46	5	0.1	2060	<1	150	4	131	126	100	90	12	6	3
11950N	425E	7	9	5	0.3	2040	<1	210	3	120	32	50	120	23	10.7	6.1
11950N	450E	10	61	20	0.1	1130	<1	200	5	109	193	200	100	11	5.2	2.7
11950N	475E	9	8	10	0.05	1260	<1	1130	22	6	15	50	90	2	0.8	0.25
11950N	500E	13	10	20	0.9	370	<1	290	7	142	163	50	460	24	11.3	6.7
Line 12050N																
12050N	100E	16	26	5	0.1	3220	<1	250	4	30	25	50	120	6	2.5	1.1
12050N	125E	19	39	5	0.3	1960	<1	150	5	176	57	50	160	13	5.3	3.4
12050N	150E	11	16	5	0.3	2060	<1	210	5	113	60	50	140	14	6.4	2.7
12050N	175E	19	21	5	0.2	4630	<1	240	6	46	38	50	150	10	4.9	2.1
12050N	200E	13	77	20	0.2	2760	<1	160	6	118	92	100	120	10	4.6	2.5
12050N	225E	13	39	20	0.05	2290	<1	130	4	97	63	50	110	8	4	1.9
12050N	250E	23	26	5	0.1	4030	<1	280	13	28	44	50	160	6	3.3	1.2
12050N	275E	17	87	10	0.3	2260	<1	180	9	79	102	100	320	9	4.7	2.2
12050N	300E	16	14	5	0.1	2730	<1	340	9	63	139	50	140	5	2.3	1.1
12050N	325E	10	44	10	0.05	1530	<1	230	7	58	74	50	110	7	3.5	1.7
12050N	350E	10	46	5	0.05	4140	<1	240	6	204	60	100	170	17	8	3.4
12050N	375E	15	13	5	0.2	4140	<1	340	6	31	39	50	130	4	2.2	1
12050N	400E	12	54	5	0.05	2570	<1	240	10	81	145	100	100	9	4.9	2.1
12050N	425E	8	8	5	0.7	1320	<1	220	8	31	67	50	90	9	4.5	1.9
12050N	450E	8	16	5	0.8	4890	<1	220	4	84	49	50	130	11	5.6	2.3
12050N	475E	14	17	5	0.2	3430	<1	260	4	33	51	50	130	4	2	0.8
12050N	500E	14	9	5	0.05	1540	<1	390	7	23	80	50	140	5	2.1	1
12050N	525E	17	2	30	1.1	1530	<1	450	4	42	190	50	1290	12	6.4	2.9
12050N	550E	3	1	10	0.05	530	<1	530	10	2.5	47	50	5010	2	2.3	0.25
12050N	575E	23	2	10	1.3	1370	<1	440	7	25	389	50	1030	7	4	1.6
12050N	600E	25	2	10	1.8	2210	<1	400	7	26	212	50	1130	13	7.5	2.5
<b>Birch</b>	<b>Grid</b>															
Line 500S																
500S	750W	23	3	5	1.9	2230	<1	600	8	20	246	50	1750	14	8.3	2.9
500S	725W	13	3	5	0.9	830	<1	660	9	7	91	50	1300	6	3.3	1.3
500S	700W	0.5	2	20	0.1	480	<1	570	4	<5	128	50	490	<1	<0.5	<0.5
500S	675W	8	4	30	0.4	1070	<1	1210	13	13	196	50	3560	3	1.5	1
500S	650W	7	4	5	0.4	690	<1	600	7	21	350	50	1990	3	1.8	0.9
500S	625W	9	3	5	0.3	620	<1	590	11	<5	137	50	670	<1	0.7	<0.5
500S	600W	11	4	5	1	680	<1	610	8	22	212	50	580	2	1.3	0.8
500S	575W	15	4	5	1.2	670	<1	630	11	10	184	50	2650	4	2.9	0.7
500S	550W	12	2	5	0.6	780	<1	690	14	7	126	50	1280	2	1.3	0.5
500S	525W	2	2	5	0.2	350	<1	370	8	<5	155	50	750	<1	<0.5	<0.5
500S	500W	0.5	<1	90	<0.1	180	<1	230	<1	<5	209	50	150	<1	<0.5	<0.5

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
11950N	125E	14	36	65	2.5	118	2.5	0.25	117	1290	50	<1	25	1	44	0.5	42
11950N	150E	31	12	37	2.5	34	2.5	1.1	44	144	70	<1	11	1	91	0.5	27
11950N	175E	10	12	25	2.5	111	2.5	0.25	38	416	50	<1	7	1	90	0.5	8
11950N	200E	32	6	15	2.5	42	2.5	0.6	19	217	70	<1	5	1	128	0.5	8
11950N	225E	11	11	16	2.5	152	2.5	0.25	30	1150	5	<1	6	1	12	0.5	6
11950N	250E	6	13	13	6	96	2.5	0.25	30	946	5	<1	5	1	15	0.5	2.5
11950N	275E	28	2	3	2.5	413	95	0.25	4	1220	40	<1	0.5	1	2.5	0.5	2.5
11950N	300E	15	35	42	2.5	149	2.5	0.25	76	2720	30	<1	15	1	18	0.5	11
11950N	325E	29	19	41	2.5	85	2.5	0.9	59	506	130	<1	13	1	99	0.5	20
11950N	350E	10	4	5	2.5	150	5	0.25	9	505	20	<1	2	1	9	0.5	2.5
11950N	375E	18	5	11	2.5	80	2.5	0.25	15	317	30	<1	3	1	94	0.5	2.5
11950N	400E	17	13	25	2.5	99	2.5	0.25	35	1470	110	<1	8	1	75	0.5	21
11950N	425E	9	30	35	2.5	159	2.5	0.25	78	1060	20	<1	14	1	16	0.5	13
11950N	450E	49	13	36	2.5	87	6	1.1	47	1210	70	<1	11	1	90	0.5	18
11950N	475E	9	2	2	8	234	25	0.25	5	16500	10	<1	0.5	1	49	0.5	6
11950N	500E	20	32	60	2.5	93	9	0.25	105	2960	20	<1	22	1	65	0.5	31
Line 12050N																	
12050N	100E	18	7	15	2.5	79	2.5	0.25	20	415	50	<1	4	1	118	0.5	7
12050N	125E	19	16	39	2.5	74	2.5	0.25	52	346	100	<1	12	1	80	0.5	24
12050N	150E	14	16	32	2.5	97	7	0.6	42	526	80	<1	9	1	63	0.5	16
12050N	175E	11	11	17	2.5	80	5	0.25	24	641	70	<1	5	1	85	0.5	11
12050N	200E	55	12	42	2.5	47	6	2.7	47	486	110	<1	12	1	117	0.5	27
12050N	225E	39	10	32	2.5	58	6	2	36	320	80	<1	9	1	87	0.5	22
12050N	250E	19	7	11	2.5	90	7	0.9	17	609	40	<1	3	1	115	0.5	10
12050N	275E	79	11	36	2.5	41	7	4.9	40	783	100	<1	10	1	107	0.5	29
12050N	300E	19	7	17	2.5	76	6	0.25	21	960	50	<1	5	1	96	0.5	5
12050N	325E	41	8	18	2.5	68	6	1.8	29	652	50	<1	6	1	109	0.5	15
12050N	350E	39	19	43	2.5	83	5	0.8	61	1220	80	<1	14	1	77	0.5	32
12050N	375E	13	6	12	2.5	85	2.5	0.25	18	525	20	<1	4	1	57	0.5	2.5
12050N	400E	48	11	33	2.5	106	5	1.7	38	1340	100	<1	9	1	122	0.5	18
12050N	425E	7	10	12	2.5	108	2.5	0.25	20	680	50	<1	4	1	54	0.5	5
12050N	450E	16	14	31	2.5	120	2.5	0.25	40	1410	70	<1	9	1	37	0.5	12
12050N	475E	17	5	11	2.5	117	5	0.25	15	630	40	<1	3	1	80	0.5	2.5
12050N	500E	10	6	8	2.5	163	5	0.25	13	1270	20	<1	3	1	68	0.5	6
12050N	525E	13	15	19	12	141	14	0.25	38	3070	40	<1	8	1	26	1	2.5
12050N	550E	10	1	2	6	105	28	0.25	3	16800	5	<1	0.5	1	14	5	6
12050N	575E	7	9	8	7	125	31	0.25	18	4070	20	<1	3	1	16	0.5	2.5
12050N	600E	4	14	9	7	138	34	0.25	22	2450	30	<1	4	1	2.5	0.5	2.5
<b>Birch</b>	<b>Grid</b>																
Line 500S																	
500S	750W	6	14	4	7	99	24	0.7	17	3370	20	<1	3	<1	25	<1	13
500S	725W	5	6	2	6	83	13	<0.5	8	8220	5	<1	1	<1	45	<1	10
500S	700W	10	<1	<1	<5	69	13	<0.5	1	8970	5	<1	<1	<1	11	1	10
500S	675W	47	4	6	<5	148	46	0.8	11	16500	30	<1	2	<1	23	2	13
500S	650W	12	4	4	7	72	20	0.6	11	13500	5	<1	2	<1	49	2	10
500S	625W	9	<1	<1	8	69	20	<0.5	2	10900	5	<1	<1	<1	47	<1	8
500S	600W	6	3	2	<5	66	29	<0.5	7	4520	5	<1	1	<1	51	<1	10
500S	575W	5	4	2	5	60	17	<0.5	7	7110	5	<1	1	<1	58	<1	9
500S	550W	6	2	<1	6	86	11	<0.5	4	13000	5	<1	<1	<1	35	<1	9
500S	525W	10	<1	<1	<5	28	27	<0.5	<1	7780	5	<1	<1	<1	16	1	7
500S	500W	19	<1	<1	<5	46	11	<0.5	<1	6120	5	<1	<1	<1	10	<1	10

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
11950N	125E	31	0.5	840	<1	5	5	9.6	82	0.25	19	0.5	139	9	10	13
11950N	150E	10	0.5	410	<1	2	5	8	211	0.25	9	1	50	3	10	26
11950N	175E	10	0.5	880	<1	2	5	3.3	59	0.25	5	0.5	48	3	10	5
11950N	200E	5	0.5	920	<1	0.5	5	4.9	143	0.25	5	0.5	22	2	60	11
11950N	225E	8	0.5	770	<1	1	5	3.8	47	0.25	7	0.5	45	3	10	7
11950N	250E	10	0.5	690	<1	2	5	4.9	32	0.25	4	0.5	63	4	10	6
11950N	275E	1	0.5	1920	<1	0.5	5	0.25	15	0.25	27	0.5	12	0.5	20	2.5
11950N	300E	26	0.5	940	<1	5	5	7.3	54	0.25	16	0.5	128	9	40	7
11950N	325E	16	0.5	750	<1	3	5	7.7	247	0.25	8	0.5	82	6	10	18
11950N	350E	3	0.5	660	<1	0.5	5	1.7	20	0.25	20	0.5	21	2	20	2.5
11950N	375E	4	0.5	1030	<1	0.5	5	2.8	44	0.25	5	0.5	22	1	50	6
11950N	400E	10	0.5	630	<1	2	5	7.3	127	0.25	3	0.5	59	4	30	10
11950N	425E	25	0.5	720	<1	5	5	7	42	0.25	15	0.5	114	8	10	7
11950N	450E	11	0.5	540	<1	2	5	10.1	395	0.25	11	0.5	52	4	30	20
11950N	475E	1	0.5	1980	<1	0.5	5	0.25	31	0.25	20	0.5	9	0.5	60	2.5
11950N	500E	27	0.5	500	<1	5	5	16.1	72	0.25	27	0.5	125	8	10	13
Line 12050N																
12050N	100E	5	0.5	920	<1	1	5	2.5	74	0.25	4	0.5	30	2	50	7
12050N	125E	13	0.5	950	<1	3	5	6.5	87	0.25	9	0.5	61	4	40	14
12050N	150E	12	0.5	1120	<1	3	5	10.7	102	0.25	7	0.5	67	5	40	13
12050N	175E	8	0.5	990	<1	2	5	4.6	56	0.25	4	0.5	50	4	40	8
12050N	200E	11	0.5	500	<1	2	5	12.8	569	0.25	7	2	52	4	190	32
12050N	225E	8	0.5	550	<1	2	5	12.1	435	0.25	8	2	47	3	50	22
12050N	250E	5	0.5	890	<1	1	5	4	179	0.25	5	0.5	34	2	220	11
12050N	275E	9	0.5	480	<1	2	5	12.1	989	0.25	7	1	53	4	110	42
12050N	300E	5	0.5	1030	<1	0.5	5	6.4	166	0.25	5	0.5	30	2	230	9
12050N	325E	8	0.5	470	<1	1	5	8.3	391	0.25	9	0.5	35	3	40	23
12050N	350E	15	0.5	900	<1	3	5	14.3	212	0.25	10	0.5	80	6	40	27
12050N	375E	5	0.5	1210	<1	0.5	5	4.4	26	0.25	5	0.5	26	2	20	5
12050N	400E	9	0.5	750	<1	2	5	10.7	456	0.25	6	0.5	55	4	80	18
12050N	425E	7	0.5	770	<1	2	5	3	82	0.25	3	0.5	48	3	10	5
12050N	450E	10	0.5	960	<1	2	5	7.9	113	0.25	5	0.5	63	4	30	10
12050N	475E	4	0.5	890	<1	0.5	5	3.8	119	0.25	4	0.5	23	1	150	8
12050N	500E	4	0.5	870	<1	0.5	5	3.9	127	0.25	4	0.5	25	1	340	6
12050N	525E	11	0.5	870	<1	2	5	11	9	0.25	7	1	75	5	20	2.5
12050N	550E	0.5	0.5	660	<1	0.5	5	0.25	14	2.5	18	0.5	44	2	10	2.5
12050N	575E	6	0.5	850	<1	1	5	4.7	1.5	0.25	6	2	49	3	10	2.5
12050N	600E	9	0.5	970	<1	2	5	3.6	1.5	0.25	5	1	90	6	10	2.5
<b>Birch</b>	<b>Grid</b>															
Line 500S																
500S	750W	8	<1	730	<1	2	5	5.3	8	<0.5	9	<1	87	7	<20	10
500S	725W	4	<1	690	<1	<1	5	2.4	6	<0.5	7	<1	39	3	<20	7
500S	700W	<1	<1	630	<1	<1	5	1.1	24	<0.5	9	<1	<5	<1	20	6
500S	675W	3	<1	1280	<1	<1	5	3.6	50	<0.5	34	<1	19	2	40	14
500S	650W	3	<1	600	<1	<1	5	3.4	10	0.6	11	<1	20	2	<20	7
500S	625W	<1	<1	610	<1	<1	5	1.4	9	0.5	8	<1	7	<1	50	<5
500S	600W	2	<1	550	<1	<1	5	2.7	8	<0.5	11	<1	16	1	<20	8
500S	575W	3	<1	580	<1	<1	5	1.8	5	<0.5	8	<1	24	3	40	<5
500S	550W	2	<1	660	<1	<1	5	1.8	7	0.6	5	<1	16	1	<20	6
500S	525W	<1	<1	620	<1	<1	5	<0.5	4	<0.5	3	<1	<5	<1	80	<5
500S	500W	<1	<1	290	<1	<1	5	<0.5	11	<0.5	6	<1	<5	<1	<20	5

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
500S	475W	1	<1	120	<0.1	100	<1	120	<1	<5	24	50	10	<1	<0.5	<0.5
500S	450W	0.5	<1	20	0.1	190	<1	350	1	<5	95	50	1360	<1	<0.5	<0.5
500S	425W	0.5	<1	40	<0.1	290	<1	420	<1	<5	314	50	30	<1	<0.5	<0.5
500S	400W	0.5	<1	30	0.1	210	<1	410	6	<5	60	50	640	<1	<0.5	<0.5
500S	375W	0.5	<1	30	0.1	300	<1	450	<1	<5	126	50	40	<1	<0.5	<0.5
500S	350W	0.5	1	5	<0.1	460	<1	490	<1	<5	65	50	70	<1	<0.5	<0.5
500S	325W	17	3	5	2	2670	<1	380	2	20	155	50	1070	14	8.4	2.8
500S	300W	20	3	10	2.5	1420	<1	230	1	5	98	50	1150	5	3.1	0.9
500S	275W	29	3	5	2	2070	<1	800	5	26	545	100	3070	20	12.9	3.7
500S	250W	19	3	5	2.7	1390	<1	300	2	22	81	50	730	22	11.5	5
500S	225W	13	2	40	0.1	1440	<1	800	8	<5	443	50	2650	<1	<0.5	<0.5
500S	200W	24	1	5	2.1	910	<1	370	5	5	71	50	660	8	5.2	1.5
500S	175W	15	4	20	2	1150	<1	320	7	9	66	50	720	13	8.7	2.8
500S	150W	11	<1	5	0.5	630	<1	300	2	13	230	50	790	2	0.9	<0.5
500S	125W	1	<1	5	0.2	20	<1	20	<1	<5	12	50	70	<1	<0.5	<0.5
500S	100W	0.5	<1	5	<0.1	5	<1	20	<1	<5	<5	50	70	<1	<0.5	<0.5
500S	75W	0.5	<1	5	<0.1	5	<1	20	<1	<5	10	50	20	<1	<0.5	<0.5
500S	50W	19	2	5	1.5	1260	<1	460	4	12	42	50	1530	11	6.2	2.7
500S	25W	2	<1	20	0.2	640	<1	410	3	<5	77	50	1570	1	0.8	<0.5
500S	0E	3	7	10	0.1	1070	<1	690	7	<5	206	50	2190	<1	<0.5	0.5
500S	25E	2	1	5	<0.1	430	<1	380	10	<5	51	50	480	<1	<0.5	<0.5
500S	50E	5	9	5	0.3	680	<1	390	13	5	34	50	250	2	0.9	<0.5
500S	75E	8	5	5	0.7	1020	<1	290	8	73	1230	200	920	4	2.8	0.9
500S	100E	2	25	5	0.2	530	<1	140	7	76	1280	50	3090	6	3.6	1.6
500S	125E	7	2	5	0.2	570	<1	390	7	8	57	50	310	1	0.7	<0.5
500S	150E	3	7	5	0.2	700	<1	890	9	9	50	50	680	2	0.9	0.8
500S	175E	3	3	20	0.9	690	<1	410	6	12	78	50	490	5	3	1.5
500S	200E	16	2	20	1.6	1040	<1	320	7	20	319	50	1710	6	3.9	1.8
500S	225E	0.5	3	20	0.7	600	<1	380	5	15	330	50	1550	2	1.4	0.5
500S	250E	15	1	40	1	1060	<1	300	8	15	268	50	2320	5	2.8	1.3
500S	275E	15	2	5	1.8	1400	<1	260	4	5	404	50	1020	2	1.3	<0.5
500S	300E	13	3	40	2.2	1130	<1	270	2	45	279	50	690	10	5	3
500S	325E	10	4	30	3.1	800	<1	230	2	31	614	50	1070	10	4.8	2.8
500S	350E	14	2	5	2.2	2560	<1	420	3	18	274	50	1240	8	4.1	1.5
500S	375E	1	6	20	<0.1	690	<1	450	18	<5	31	50	100	<1	<0.5	<0.5
500S	400E	1	5	20	0.2	430	<1	440	13	<5	31	50	1090	<1	0.7	<0.5
500S	425E	0.5	6	50	0.3	290	<1	370	37	<5	11	50	1830	<1	0.7	<0.5
500S	450E	10	6	10	1	1030	<1	340	2	146	383	50	410	8	3.6	2.6
500S	475E	3	3	40	0.1	490	<1	300	3	8	167	50	670	1	0.6	<0.5
500S	500E	2	1	5	0.4	420	<1	420	5	6	16	50	1740	3	1.7	0.6
500S	525E	1	3	5	0.2	350	<1	360	23	<5	18	50	1480	1	0.7	<0.5
500S	550E	9	31	30	6.7	920	<1	200	3	271	240	200	450	24	12.5	7.3
500S	575E	11	8	5	1.6	1040	<1	260	3	139	393	50	690	12	6.8	3.1
500S	600E	15	3	5	5.5	1640	<1	280	1	28	49	50	380	5	2.4	1.4
500S	625E	11	2	10	1.7	2190	<1	220	3	42	165	50	680	7	3.6	2.1
500S	650E	18	2	5	1.6	1890	<1	300	6	16	166	50	1690	7	4.1	1.7
500S	675E	4	2	5	0.1	940	<1	230	2	16	65	50	180	1	<0.5	<0.5
500S	700E	0.5	3	5	<0.1	570	<1	320	7	<5	61	50	630	<1	0.6	<0.5
500S	725E	6	2	5	0.8	880	<1	230	3	11	60	50	370	3	1.5	1
500S	750E	8	6	5	0.2	600	<1	280	7	16	99	50	580	3	1.4	0.9
500S	775E	2	4	5	<0.1	630	<1	340	17	<5	133	50	180	<1	<0.5	<0.5

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
500S	475W	4	<1	<1	<5	40	48	<0.5	<1	1660	5	<1	<1	<1	7	2	7
500S	450W	11	<1	<1	<5	77	17	<0.5	<1	12100	5	<1	<1	<1	9	2	9
500S	425W	6	<1	<1	<5	72	18	<0.5	<1	6360	5	<1	<1	<1	9	1	8
500S	400W	2	<1	<1	<5	97	120	<0.5	<1	5340	5	<1	<1	<1	6	4	7
500S	375W	6	<1	<1	<5	86	29	<0.5	<1	5720	5	<1	<1	<1	11	2	8
500S	350W	4	<1	<1	<5	146	<5	<0.5	<1	5700	5	<1	<1	<1	5	3	9
500S	325W	2	15	2	8	213	9	<0.5	14	3040	30	<1	2	<1	10	<1	10
500S	300W	2	5	<1	<5	233	<5	<0.5	4	2100	20	<1	<1	<1	16	1	8
500S	275W	7	21	21	8	519	7	<0.5	45	10600	5	<1	9	<1	20	2	23
500S	250W	2	26	5	9	273	23	<0.5	29	2410	30	<1	4	<1	<5	<1	10
500S	225W	10	<1	<1	<5	359	59	0.5	2	10800	20	<1	<1	<1	<5	2	11
500S	200W	2	8	<1	8	180	16	1	6	2530	10	<1	<1	<1	7	<1	<5
500S	175W	2	13	3	6	232	30	<0.5	15	2800	20	<1	2	<1	34	<1	11
500S	150W	5	2	3	6	98	6	0.6	7	3180	5	<1	2	<1	10	<1	<5
500S	125W	<1	<1	<1	<5	9	<5	<0.5	<1	203	5	<1	<1	<1	<5	<1	<5
500S	100W	<1	<1	<1	<5	7	<5	<0.5	1	212	5	<1	<1	<1	<5	<1	<5
500S	75W	<1	<1	<1	<5	9	<5	<0.5	<1	287	5	<1	<1	<1	<5	<1	<5
500S	50W	5	13	7	6	177	8	<0.5	21	4420	5	<1	4	<1	21	<1	11
500S	25W	11	1	<1	<5	198	6	0.5	3	16300	20	<1	<1	<1	<5	3	8
500S	0E	9	<1	<1	<5	523	8	<0.5	2	11700	20	<1	<1	<1	<5	3	11
500S	25E	2	<1	<1	<5	260	9	<0.5	<1	9230	10	<1	<1	<1	13	2	8
500S	50E	3	2	2	6	352	<5	<0.5	4	3190	5	<1	<1	<1	14	<1	14
500S	75E	8	4	15	<5	140	<5	<0.5	19	3090	5	<1	5	<1	6	<1	17
500S	100E	93	7	23	<5	141	8	1.3	31	4370	5	<1	8	<1	8	<1	27
500S	125E	5	1	<1	6	202	<5	<0.5	4	6060	5	<1	<1	<1	79	<1	9
500S	150E	6	3	3	<5	418	12	<0.5	7	25300	10	<1	1	<1	11	2	13
500S	175E	12	7	8	<5	200	9	<0.5	15	24200	5	<1	3	<1	60	2	<5
500S	200E	9	8	9	<5	163	20	<0.5	18	5610	5	<1	3	<1	29	3	<5
500S	225E	30	2	6	<5	130	24	<0.5	8	12100	10	<1	2	<1	19	5	<5
500S	250E	8	6	5	<5	182	21	<0.5	12	8840	5	<1	2	<1	9	3	<5
500S	275E	4	2	1	<5	178	6	<0.5	3	3930	5	<1	<1	<1	17	<1	<5
500S	300E	10	14	18	<5	194	<5	<0.5	38	9030	5	<1	7	<1	5	1	10
500S	325E	6	14	14	<5	249	<5	<0.5	35	9870	5	<1	7	<1	7	2	<5
500S	350E	5	9	4	5	144	16	<0.5	14	3530	5	<1	2	<1	6	1	<5
500S	375E	3	<1	<1	<5	187	19	<0.5	1	4000	5	<1	<1	<1	<5	<1	<5
500S	400E	7	1	1	<5	159	13	<0.5	2	9900	10	<1	<1	<1	<5	3	<5
500S	425E	6	<1	<1	<5	93	15	<0.5	1	10100	5	<1	<1	<1	10	3	<5
500S	450E	35	11	31	<5	134	10	<0.5	51	5300	5	<1	12	<1	<5	<1	12
500S	475E	10	1	3	<5	91	13	<0.5	5	10800	5	<1	1	<1	36	<1	<5
500S	500E	20	3	3	<5	182	12	<0.5	6	11400	5	<1	1	<1	24	1	<5
500S	525E	2	1	<1	<5	184	9	<0.5	1	12300	5	<1	<1	<1	<5	3	<5
500S	550E	70	33	93	<5	159	<5	<0.5	131	3270	20	<1	31	<1	6	<1	35
500S	575E	24	15	39	<5	178	<5	<0.5	54	4150	5	<1	13	<1	<5	<1	14
500S	600E	6	7	9	<5	207	<5	<0.5	19	1900	5	<1	4	<1	10	<1	6
500S	625E	5	9	11	<5	129	<5	<0.5	26	1560	5	<1	5	<1	5	<1	<5
500S	650E	4	9	5	<5	209	10	<0.5	14	4250	10	<1	2	<1	22	<1	<5
500S	675E	6	1	3	8	161	<5	<0.5	6	1540	5	<1	1	<1	14	<1	<5
500S	700E	8	<1	<1	<5	201	13	<0.5	2	9500	10	<1	<1	<1	<5	2	<5
500S	725E	6	4	5	<5	168	<5	<0.5	12	3330	5	<1	2	<1	9	<1	7
500S	750E	10	4	6	<5	183	<5	<0.5	13	7000	5	<1	3	<1	7	<1	<5
500S	775E	10	<1	1	<5	143	10	<0.5	1	3830	5	<1	<1	<1	<5	<1	<5

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
500S	475W	<1	<1	350	<1	<1	5	<0.5	4	<0.5	12	<1	<5	<1	<20	<5
500S	450W	<1	<1	650	<1	<1	5	<0.5	7	<0.5	12	<1	<5	<1	70	<5
500S	425W	<1	<1	950	<1	<1	5	<0.5	5	<0.5	7	<1	<5	<1	<20	<5
500S	400W	<1	<1	900	<1	<1	5	<0.5	3	<0.5	35	<1	<5	<1	<20	<5
500S	375W	<1	<1	1010	<1	<1	5	<0.5	4	<0.5	9	<1	<5	<1	<20	<5
500S	350W	<1	<1	990	<1	<1	5	<0.5	10	<0.5	4	<1	<5	<1	80	5
500S	325W	8	<1	940	<1	2	5	3	9	<0.5	4	<1	88	7	20	8
500S	300W	2	<1	700	<1	<1	5	1.3	7	<0.5	3	<1	35	3	<20	10
500S	275W	13	<1	2400	<1	3	5	7.1	14	<0.5	14	3	106	12	40	11
500S	250W	14	<1	1350	<1	4	5	1.7	8	<0.5	2	<1	127	9	100	6
500S	225W	<1	<1	2530	<1	<1	5	<0.5	17	<0.5	25	<1	<5	<1	110	<5
500S	200W	4	<1	1350	2	1	5	2.8	<3	<0.5	4	6	47	4	<20	<5
500S	175W	7	<1	1240	<1	2	5	1.3	7	<0.5	2	<1	96	7	<20	7
500S	150W	2	<1	780	<1	<1	5	3.9	8	<0.5	3	2	10	<1	<20	<5
500S	125W	<1	<1	20	<1	<1	5	0.7	<3	<0.5	<1	<1	<5	<1	<20	<5
500S	100W	<1	<1	10	<1	<1	5	0.8	<3	<0.5	<1	<1	<5	<1	<20	<5
500S	75W	<1	<1	50	<1	<1	5	0.6	<3	<0.5	<1	<1	<5	<1	<20	<5
500S	50W	8	<1	1360	<1	2	5	3.3	10	<0.5	3	<1	74	5	80	10
500S	25W	<1	<1	1110	<1	<1	5	1.2	22	<0.5	4	<1	9	<1	20	6
500S	0E	<1	<1	1880	<1	<1	5	<0.5	49	<0.5	8	<1	6	<1	460	13
500S	25E	<1	<1	980	<1	<1	5	<0.5	7	<0.5	6	<1	<5	<1	130	<5
500S	50E	2	<1	970	<1	<1	5	2.5	32	<0.5	12	<1	11	<1	150	8
500S	75E	4	<1	850	<1	<1	5	4.1	10	<0.5	9	<1	20	3	<20	6
500S	100E	7	<1	370	<1	1	5	8	174	<0.5	14	<1	37	3	<20	18
500S	125E	1	<1	720	<1	<1	5	1.3	12	<0.5	2	<1	8	<1	<20	5
500S	150E	2	<1	1440	<1	<1	5	<0.5	30	<0.5	16	<1	15	<1	40	12
500S	175E	4	<1	860	<1	<1	5	2.9	<3	<0.5	5	<1	38	3	<20	<5
500S	200E	6	<1	750	<1	<1	5	5.1	<3	<0.5	3	<1	48	3	<20	<5
500S	225E	2	<1	760	<1	<1	5	4.9	4	<0.5	7	<1	16	1	<20	<5
500S	250E	4	<1	700	<1	<1	5	4.3	<3	<0.5	6	<1	33	3	<20	<5
500S	275E	1	<1	780	<1	<1	5	1.4	<3	<0.5	3	<1	15	1	<20	<5
500S	300E	11	<1	720	<1	2	5	6.3	27	<0.5	2	<1	59	4	<20	7
500S	325E	11	<1	670	<1	2	5	4.1	8	<0.5	2	2	60	4	<20	7
500S	350E	6	<1	870	<1	1	5	2.4	<3	<0.5	1	<1	46	3	<20	<5
500S	375E	<1	<1	990	<1	<1	5	<0.5	5	<0.5	10	<1	<5	<1	<20	<5
500S	400E	<1	<1	910	<1	<1	5	<0.5	4	<0.5	21	<1	9	<1	20	<5
500S	425E	<1	<1	690	<1	<1	5	<0.5	9	<0.5	18	<1	8	<1	<20	<5
500S	450E	11	<1	700	<1	1	5	14.9	38	<0.5	5	<1	35	3	<20	7
500S	475E	1	<1	550	<1	<1	5	1.8	15	<0.5	5	<1	8	<1	20	<5
500S	500E	2	<1	950	<1	<1	5	0.9	<3	<0.5	6	<1	24	2	<20	<5
500S	525E	<1	<1	890	<1	<1	5	<0.5	<3	<0.5	12	<1	10	<1	<20	<5
500S	550E	30	<1	460	<1	4	5	23.1	155	<0.5	13	<1	135	9	<20	24
500S	575E	12	<1	800	<1	2	5	9	8	<0.5	5	<1	59	6	20	6
500S	600E	5	<1	870	<1	<1	5	3.3	4	<0.5	4	<1	28	2	90	<5
500S	625E	8	<1	740	<1	1	5	3.7	28	<0.5	1	<1	46	3	<20	6
500S	650E	6	<1	890	<1	1	5	2.6	<3	<0.5	1	<1	52	4	<20	<5
500S	675E	1	<1	660	<1	<1	5	1.7	15	<0.5	1	<1	7	<1	30	<5
500S	700E	<1	<1	800	<1	<1	5	<0.5	<3	<0.5	13	<1	6	<1	<20	<5
500S	725E	4	<1	460	<1	<1	5	1.7	7	<0.5	2	<1	20	1	<20	<5
500S	750E	3	<1	520	<1	<1	5	2.4	8	<0.5	6	<1	19	1	<20	<5
500S	775E	<1	<1	780	<1	<1	5	<0.5	7	<0.5	6	<1	<5	<1	<20	<5



ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
500S	800E	4	15	5	0.2	430	<1	220	7	67	157	50	380	16	7.4	5.9
500S	825E	18	2	5	1.4	1930	<1	370	8	30	219	50	3910	15	8.8	3.5
500S	850E	22	2	5	3	2990	<1	470	3	5	18	50	1630	20	10.6	3.5
500S	875E	16	2	5	1.9	1080	<1	320	6	6	20	50	490	11	6.2	2.3
500S	900E	7	2	5	<0.1	470	<1	300	5	7	39	50	450	3	1.2	0.9
500S	925E	3	2	5	0.5	650	<1	440	27	8	327	50	1630	7	5.2	1.3
500S	950E	26	4	5	2.2	2720	<1	340	5	7	33	50	1060	8	4.5	1.4
500S	975E	3	9	5	0.2	470	<1	310	6	36	162	50	1560	6	3	1.3
500S	1000E	6	5	5	0.9	790	<1	340	6	60	473	50	500	14	7.2	3.7
Line 400S																
400S	750W	3	4	30	0.5	380	<1	440	10	11	173	50	3840	2	1.4	0.7
400S	725W	2	5	60	0.4	530	<1	850	35	<5	155	50	22100	1	0.7	0.8
400S	700W	4	11	10	<0.1	470	<1	900	36	<5	71	50	1270	<1	<0.5	<0.5
400S	675W	0.5	5	20	0.1	340	<1	480	6	7	199	50	560	<1	<0.5	<0.5
400S	650W	0.5	2	130	<0.1	510	<1	670	5	<5	122	50	3790	<1	<0.5	<0.5
400S	625W	3	9	60	0.2	510	<1	930	19	<5	170	50	6350	1	0.6	<0.5
400S	600W	1	7	80	0.3	770	<1	790	14	13	135	50	3570	7	4.3	1.9
400S	575W	8	3	5	1	280	<1	320	9	<5	278	50	500	2	2.5	<0.5
400S	550W	3	15	100	0.3	580	<1	850	25	12	261	50	8470	2	1.5	0.8
400S	525W	14	7	5	0.6	700	<1	590	5	<5	18	50	1080	3	1.5	0.7
400S	500W	16	3	5	0.7	320	<1	410	3	<5	14	50	790	<1	<0.5	<0.5
400S	475W	16	5	5	0.6	790	<1	570	7	19	82	50	1080	18	8.6	5
400S	450W	2	8	5	<0.1	660	<1	510	11	5	168	50	1280	2	1	<0.5
400S	425W	3	5	5	0.2	440	<1	500	12	<5	240	50	1870	1	0.7	<0.5
400S	400W	8	11	5	0.5	1440	<1	280	2	68	608	50	300	5	2.6	1.5
400S	375W	12	10	5	0.5	1180	<1	240	5	92	523	50	480	13	6.6	3.8
400S	350W	20	9	5	1.2	1550	<1	270	3	77	371	100	390	38	20	8.4
400S	325W	13	13	5	0.4	2140	<1	290	4	160	648	100	710	10	5.4	2.9
400S	300W	18	15	5	0.5	1620	<1	270	7	73	38	50	250	25	12.3	6.1
400S	275W	22	6	5	0.2	2390	<1	250	2	110	577	50	1030	7	3.8	2.1
400S	250W	9	16	5	0.3	1370	<1	190	9	329	491	100	740	46	23.2	13.1
400S	225W	8	12	5	0.4	1550	<1	230	6	109	127	100	450	31	15.9	7.7
400S	200W	17	12	5	0.3	1720	<1	330	6	65	137	50	330	8	3.8	1.9
400S	175W	9	15	5	0.4	1530	<1	280	11	125	349	200	760	56	38.1	10.1
400S	150W	7	31	5	0.4	1230	<1	220	13	247	1050	100	1410	18	9.8	5
400S	125W	7	18	5	0.1	2310	<1	290	5	182	762	50	930	13	7.1	3.7
400S	100W	17	12	5	0.3	1180	<1	310	4	242	797	50	330	4	2.2	1.3
400S	75W	18	6	5	0.3	1400	<1	290	2	107	171	50	270	11	5.5	2.7
400S	50W	24	11	5	0.4	2040	<1	260	3	195	698	50	330	19	10	4
400S	25W	21	12	5	0.4	1510	<1	280	3	190	1150	50	530	12	6.9	2.6
400S	0E	9	22	5	0.2	1520	<1	200	9	173	1370	50	640	6	3	1.7
400S	25E	7	17	5	0.3	870	<1	140	4	115	62	50	190	27	13.7	5.9
400S	50E	4	16	5	0.4	1020	<1	200	3	66	223	50	270	12	6.8	2.4
400S	75E	8	18	5	<0.1	860	<1	230	15	29	36	50	160	9	4.2	1.9
400S	100E	7	8	5	0.2	700	<1	290	14	8	24	50	170	5	2.3	1.2
400S	125E	16	3	5	0.8	1020	<1	370	2	11	54	50	500	5	2.4	1.3
400S	150E	16	3	20	1.3	1020	<1	410	2	28	185	100	740	7	4	1.8
400S	175E	14	<1	20	5.5	1170	<1	380	3	11	109	100	580	5	2.9	0.9
400S	200E	5	4	10	0.6	1370	<1	310	3	16	376	200	200	5	3.4	0.6
400S	225E	7	13	10	0.6	1550	<1	280	3	24	274	300	240	7	4.4	1.1
400S	250E	11	10	20	0.6	2330	<1	180	4	26	1070	300	590	1	1.2	<0.5

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
500S	800E	22	26	65	<5	145	<5	<0.5	95	4790	5	<1	21	<1	9	<1	13
500S	825E	9	18	16	6	268	<5	<0.5	36	8780	5	<1	7	<1	18	<1	5
500S	850E	2	21	5	9	308	<5	<0.5	18	2600	10	<1	3	<1	8	<1	<5
500S	875E	6	11	7	<5	237	<5	<0.5	18	4860	10	<1	3	<1	57	<1	<5
500S	900E	8	3	5	<5	156	<5	<0.5	9	11400	5	<1	2	<1	29	<1	<5
500S	925E	11	7	5	<5	234	5	<0.5	10	10600	60	<1	2	<1	5	3	6
500S	950E	3	8	3	7	205	<5	<0.5	10	2180	20	<1	2	<1	29	<1	<5
500S	975E	39	6	14	<5	142	6	1.5	22	3320	10	<1	5	<1	<5	<1	13
500S	1000E	5	18	25	<5	354	<5	<0.5	44	2820	5	<1	9	<1	<5	<1	12
Line 400S																	
400S	750W	41	2	3	<5	55	25	3.5	6	7940	20	<1	2	<1	17	1	<5
400S	725W	25	2	2	<5	99	51	3.4	3	17400	20	<1	1	<1	26	5	<5
400S	700W	7	<1	<1	<5	115	14	3.1	<1	6650	20	<1	<1	<1	15	<1	<5
400S	675W	28	<1	1	<5	109	37	1.5	2	9000	5	<1	<1	<1	13	1	<5
400S	650W	23	<1	<1	<5	212	270	1.1	<1	11100	5	<1	<1	<1	11	4	<5
400S	625W	25	1	2	<5	111	34	2.7	3	18200	40	<1	<1	<1	18	2	<5
400S	600W	56	9	12	<5	168	59	2.4	23	22900	40	<1	5	<1	<5	7	<5
400S	575W	8	<1	<1	<5	65	13	1	<1	12700	20	<1	<1	<1	39	2	<5
400S	550W	58	3	5	10	107	124	3	8	24600	20	<1	2	<1	37	5	<5
400S	525W	7	3	<1	5	55	<5	0.7	4	8900	5	<1	<1	<1	43	<1	<5
400S	500W	9	<1	<1	<5	79	8	0.7	<1	8350	5	<1	<1	<1	<5	1	<5
400S	475W	8	25	15	9	80	11	0.7	44	12000	5	<1	8	<1	55	<1	<5
400S	450W	17	2	2	7	179	<5	0.7	4	6120	20	<1	1	<1	40	<1	<5
400S	425W	16	2	1	<5	70	21	0.6	4	10800	10	<1	<1	<1	42	<1	<5
400S	400W	12	7	15	<5	218	<5	0.6	22	1770	5	<1	5	<1	<5	<1	7
400S	375W	15	18	39	<5	238	<5	0.5	57	2880	5	<1	12	<1	9	<1	16
400S	350W	7	43	37	<5	322	<5	<0.5	79	6670	20	<1	14	<1	10	<1	29
400S	325W	30	14	42	<5	205	<5	0.6	55	2500	5	<1	13	<1	14	<1	23
400S	300W	9	29	27	<5	285	<5	<0.5	61	3790	20	<1	11	<1	15	<1	11
400S	275W	22	10	31	<5	266	7	<0.5	42	3180	5	<1	10	<1	15	<1	14
400S	250W	26	63	113	<5	198	<5	<0.5	199	6290	30	<1	40	<1	33	<1	45
400S	225W	14	37	44	<5	185	<5	<0.5	92	4060	30	<1	18	<1	10	<1	22
400S	200W	13	9	12	<5	166	<5	<0.5	23	3550	40	<1	5	<1	<5	<1	10
400S	175W	11	54	51	<5	261	<5	<0.5	108	13900	50	<1	20	<1	25	<1	34
400S	150W	49	22	61	<5	154	<5	0.7	90	3630	10	<1	21	<1	69	<1	47
400S	125W	34	16	44	<5	177	7	0.6	67	2390	5	<1	16	<1	28	<1	33
400S	100W	22	6	14	<5	97	<5	<0.5	21	1840	50	<1	5	<1	28	<1	8
400S	75W	7	13	14	<5	223	<5	<0.5	31	2600	20	<1	6	<1	12	<1	12
400S	50W	10	20	27	<5	239	<5	<0.5	50	5910	50	<1	11	<1	52	<1	18
400S	25W	14	13	29	<5	247	<5	<0.5	43	6760	30	<1	10	<1	22	<1	22
400S	0E	38	7	26	<5	218	7	0.7	32	3990	5	<1	8	<1	33	<1	26
400S	25E	9	29	30	<5	261	<5	<0.5	61	4720	30	<1	12	<1	11	<1	26
400S	50E	18	12	17	<5	242	<5	<0.5	30	3000	20	<1	6	<1	23	<1	16
400S	75E	11	10	8	9	289	<5	<0.5	19	3100	20	<1	4	<1	106	<1	6
400S	100E	8	6	5	13	314	<5	<0.5	12	2490	10	<1	2	<1	58	<1	<5
400S	125E	5	6	3	7	221	<5	<0.5	11	4620	5	<1	2	<1	29	1	<5
400S	150E	4	8	7	5	108	23	<0.5	18	3330	5	<1	3	<1	18	<1	7
400S	175E	2	5	2	6	158	20	<0.5	6	3450	10	<1	<1	<1	21	<1	6
400S	200E	4	4	4	<5	100	<5	<0.5	6	3930	20	<1	1	<1	6	<1	9
400S	225E	5	5	8	<5	85	<5	<0.5	11	2240	30	<1	3	<1	14	<1	10
400S	250E	7	2	5	<5	100	<5	<0.5	6	2550	10	<1	1	<1	12	<1	9

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
500S	800E	23	<1	440	<1	3	5	6.4	37	<0.5	12	<1	100	6	<20	6
500S	825E	12	<1	850	<1	2	5	3.5	<3	<0.5	4	<1	110	7	<20	<5
500S	850E	10	<1	1220	<1	3	5	0.9	<3	<0.5	1	<1	114	8	<20	<5
500S	875E	7	<1	810	<1	2	5	2.3	<3	<0.5	1	<1	75	5	<20	<5
500S	900E	3	<1	620	<1	<1	5	1.5	6	<0.5	2	<1	18	1	<20	<5
500S	925E	4	<1	1130	<1	<1	5	0.6	<3	<0.5	4	<1	53	5	<20	<5
500S	950E	4	<1	1070	<1	1	5	1.6	<3	<0.5	2	<1	53	4	<20	<5
500S	975E	5	<1	770	1	<1	5	5.6	22	<0.5	5	3	32	3	170	<5
500S	1000E	13	<1	1030	<1	2	5	9.5	3	<0.5	16	<1	81	5	<20	6
Line 400S																
400S	750W	2	1	560	2	<1	5	3.1	26	<0.5	17	2	16	1	20	7
400S	725W	1	<1	950	3	<1	5	2.1	46	1	75	3	10	<1	50	6
400S	700W	<1	<1	1000	3	<1	5	1.6	14	<0.5	20	2	<5	<1	150	<5
400S	675W	<1	<1	1270	<1	<1	5	1.9	20	<0.5	30	2	<5	<1	50	<5
400S	650W	<1	<1	1700	<1	<1	5	<0.5	15	<0.5	136	5	<5	<1	40	<5
400S	625W	<1	<1	1030	2	<1	5	1.5	34	<0.5	43	4	9	<1	70	6
400S	600W	7	<1	1270	2	1	5	3.1	36	<0.5	91	4	55	4	50	6
400S	575W	<1	<1	420	1	<1	5	0.9	<3	0.5	9	2	16	3	<20	<5
400S	550W	2	3	970	2	<1	5	3.7	52	0.7	71	3	20	2	90	7
400S	525W	2	<1	780	<1	<1	5	1.4	<3	<0.5	7	<1	20	1	<20	<5
400S	500W	<1	<1	610	<1	<1	5	0.5	4	<0.5	9	1	<5	<1	30	<5
400S	475W	17	<1	720	<1	3	5	3	3	<0.5	8	<1	120	6	<20	<5
400S	450W	2	<1	1350	<1	<1	5	0.9	12	<0.5	8	1	13	<1	80	<5
400S	425W	1	<1	610	<1	<1	5	0.7	6	<0.5	10	<1	9	<1	90	<5
400S	400W	6	<1	930	1	<1	5	4.7	8	<0.5	17	1	32	2	30	6
400S	375W	14	<1	930	<1	2	5	7.3	10	<0.5	13	<1	74	5	<20	9
400S	350W	28	<1	990	<1	7	5	7.4	<3	<0.5	27	<1	207	15	70	10
400S	325W	12	<1	990	<1	2	5	7.9	13	<0.5	14	<1	56	5	60	10
400S	300W	21	<1	900	<1	4	5	5	3	<0.5	13	<1	130	9	230	7
400S	275W	9	<1	890	<1	1	5	8.1	10	<0.5	11	<1	42	3	<20	8
400S	250W	51	<1	680	<1	9	5	12	36	<0.5	25	<1	293	17	330	17
400S	225W	29	<1	790	<1	6	5	10.2	23	<0.5	14	<1	169	11	40	10
400S	200W	7	<1	960	<1	1	5	5.4	20	<0.5	7	<1	39	3	110	7
400S	175W	34	<1	880	<1	9	5	14.9	8	<0.5	32	<1	307	33	80	15
400S	150W	21	<1	760	<1	3	5	13.6	89	<0.5	19	<1	104	8	70	26
400S	125W	15	<1	1110	<1	2	5	7.6	12	<0.5	16	<1	71	6	50	14
400S	100W	5	<1	900	<1	<1	5	8.5	28	<0.5	6	<1	23	2	20	11
400S	75W	9	<1	1000	<1	2	5	5.6	<3	<0.5	13	<1	60	4	<20	6
400S	50W	15	<1	1010	<1	3	5	8.1	<3	<0.5	13	<1	88	8	30	9
400S	25W	11	<1	950	<1	2	5	11.1	<3	<0.5	19	<1	59	6	20	9
400S	0E	7	<1	660	<1	1	5	7.3	79	<0.5	8	<1	31	3	30	12
400S	25E	21	<1	410	<1	5	5	4.6	36	<0.5	8	<1	144	11	<20	6
400S	50E	9	<1	650	<1	2	5	7.9	23	<0.5	17	<1	62	5	20	11
400S	75E	7	<1	710	<1	1	5	4.1	8	<0.5	12	<1	47	3	20	5
400S	100E	4	<1	830	<1	<1	5	1.7	3	<0.5	4	<1	31	2	40	<5
400S	125E	4	<1	980	<1	<1	5	2.1	<3	<0.5	2	<1	29	2	<20	<5
400S	150E	6	<1	790	<1	1	5	2.3	10	<0.5	6	<1	40	3	<20	7
400S	175E	3	<1	860	<1	<1	5	<0.5	6	<0.5	3	<1	26	3	<20	<5
400S	200E	2	<1	870	<1	<1	5	1.2	13	<0.5	8	<1	22	3	30	<5
400S	225E	3	<1	900	<1	1	5	1.7	14	<0.5	4	<1	31	4	70	<5
400S	250E	1	<1	550	<1	<1	5	1.8	37	<0.5	3	<1	7	1	<20	<5

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
400S	275E	15	2	90	2.2	1600	<1	250	1	12	94	50	1950	11	7.2	2.3
400S	300E	13	3	830	2.3	1410	<1	190	<1	<5	134	50	870	2	1.6	0.6
400S	325E	15	4	3310	1.6	1050	<1	200	7	10	84	50	490	14	8.3	3.4
400S	350E	12	2	930	1.6	1550	<1	240	2	8	51	50	620	6	3.4	1.7
400S	375E	13	<1	390	1.4	1180	<1	260	4	5	255	50	1430	3	1.9	0.5
400S	400E	0.5	<1	420	0.5	650	<1	290	11	<5	114	100	970	2	1.6	<0.5
400S	425E	0.5	1	30	<0.1	440	<1	350	10	<5	34	50	240	<1	<0.5	<0.5
400S	450E	0.5	2	30	0.5	820	<1	410	10	5	320	100	140	<1	<0.5	<0.5
400S	475E	0.5	<1	20	0.1	530	<1	370	6	<5	33	50	50	1	0.8	<0.5
400S	500E	7	1	20	0.7	610	<1	340	7	<5	52	100	290	4	2.4	0.6
400S	525E	0.5	14	20	0.4	450	<1	90	4	106	1480	200	690	7	4.7	1.4
400S	550E	0.5	<1	10	0.2	460	<1	320	9	<5	137	50	440	1	1.1	<0.5
400S	575E															
400S	600E	4	13	10	0.4	450	<1	180	5	15	788	200	870	4	3.3	0.6
400S	625E	0.5	3	10	0.1	400	<1	150	5	7	134	100	280	10	6.5	1.9
400S	650E	2	4	20	0.4	980	<1	220	6	44	414	200	2110	7	5.4	1.5
400S	675E	5	10	30	0.2	1260	<1	200	2	31	1900	300	200	2	1.6	<0.5
400S	700E	17	<1	20	1.6	1330	<1	240	1	12	170	50	1550	10	6.2	1.7
400S	725E	7	12	10	0.2	3480	<1	190	3	22	428	300	80	6	4	0.7
400S	750E	4	6	10	1	1080	<1	180	4	11	343	200	130	5	3.5	0.9
400S	775E	6	11	10	0.7	730	<1	50	5	144	1180	200	170	23	14.8	4.4
400S	800E	1	16	20	0.2	1170	<1	120	6	14	783	300	100	3	2	0.7
400S	825E	0.5	<1	5	<0.1	700	<1	340	19	<5	51	50	60	<1	0.7	<0.5
400S	850E	0.5	6	5	<0.1	380	<1	230	12	<5	298	50	400	2	1.6	<0.5
400S	875E	2	4	20	1.9	630	<1	240	5	20	453	100	280	3	2	0.9
400S	900E	0.5	<1	10	<0.1	390	<1	270	5	<5	57	50	170	<1	<0.5	<0.5
400S	925E	0.5	<1	20	<0.1	340	<1	270	10	<5	58	50	600	<1	<0.5	<0.5
400S	950E	15	<1	20	1	1370	<1	330	3	<5	137	50	930	5	3.1	0.8
400S	975E	15	<1	10	0.6	1310	<1	370	8	<5	294	50	910	2	1.6	<0.5
400S	1000E	14	1	20	1	2450	<1	430	1	<5	56	50	160	2	1.1	0.6
Line 200S																
200S	1050W	5	4	5	1.7	420	<1	520	5	19	486	50	17400	7	6.3	2
200S	1025W	8	13	5	0.1	880	<1	570	9	20	77	50	2690	31	21.6	7.7
200S	1000W	12	25	5	0.1	960	<1	540	13	43	69	50	290	12	6.7	3.4
200S	975W	7	4	5	0.2	280	<1	360	8	<5	64	50	1800	12	10.9	1.5
200S	950W	16	12	5	0.3	420	<1	460	5	28	27	50	370	16	9.2	3.8
200S	925W	14	11	5	0.8	330	<1	480	7	7	768	50	8000	3	3.5	0.6
200S	900W	23	12	5	0.3	890	<1	570	7	36	96	50	350	18	10.4	3.9
200S	875W	21	13	5	0.5	1140	<1	520	5	34	38	50	390	11	5.8	3
200S	850W	13	31	5	0.1	800	<1	660	17	51	35	50	210	18	9.4	5
200S	825W	36	3	5	6.5	490	<1	650	13	<5	74	50	9920	15	11	2.8
200S	800W	25	45	10	0.2	700	<1	670	33	109	75	100	250	27	12.1	8.6
200S	775W	17	32	5	0.2	560	<1	430	10	120	65	50	500	31	14.5	9.6
200S	750W	8	21	5	0.4	920	<1	370	17	54	285	100	1280	18	9.9	4.6
200S	725W	14	12	5	0.4	820	<1	340	3	23	99	100	400	20	10.1	4.2
200S	700W	7	5	5	0.6	710	<1	680	28	8	49	50	4540	6	3.7	2.1
200S	675W	13	8	5	0.5	390	<1	410	12	6	14	50	1380	6	4.1	1.6
200S	650W	29	7	5	0.5	860	<1	1090	26	8	27	50	1060	1	0.8	0.6
200S	625W	20	5	5	1.2	1170	<1	570	2	13	35	50	1080	16	7.6	4.7
200S	600W	19	11	20	1.5	1130	<1	1150	10	46	273	50	5660	12	6	4.4
200S	575W	31	6	5	1.4	780	<1	1010	18	11	53	50	9980	9	6.1	3.3

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
400S	275E	2	12	5	<5	178	<5	<0.5	17	3030	20	<1	3	<1	<5	3	7
400S	300E	2	2	1	<5	168	<5	<0.5	3	1460	20	<1	<1	<1	13	5	5
400S	325E	2	17	7	<5	189	<5	<0.5	24	20300	30	<1	4	<1	57	15	8
400S	350E	2	7	4	<5	165	<5	<0.5	12	1250	10	<1	2	<1	6	5	6
400S	375E	3	2	2	<5	177	6	0.6	4	5120	20	<1	<1	<1	<5	8	6
400S	400E	6	2	2	<5	104	37	<0.5	4	18400	5	<1	<1	<1	42	10	7
400S	425E	1	<1	<1	<5	117	15	<0.5	<1	8770	5	<1	<1	<1	10	1	<5
400S	450E	2	<1	<1	7	135	27	<0.5	1	6340	10	<1	<1	<1	55	<1	6
400S	475E	2	<1	<1	<5	131	9	<0.5	<1	16200	20	<1	<1	<1	43	<1	<5
400S	500E	2	3	1	<5	190	7	<0.5	3	8130	20	<1	<1	<1	65	<1	6
400S	525E	19	6	17	<5	106	<5	<0.5	21	4030	20	<1	5	<1	17	<1	36
400S	550E	2	<1	<1	<5	168	<5	<0.5	<1	8010	10	<1	<1	<1	<5	<1	<5
400S	575E																
400S	600E	11	3	7	<5	88	<5	<0.5	8	4640	10	<1	2	<1	9	<1	9
400S	625E	3	11	5	<5	167	<5	<0.5	12	16700	30	<1	2	<1	17	<1	9
400S	650E	9	7	16	<5	148	<5	<0.5	24	8680	10	<1	6	<1	<5	<1	14
400S	675E	5	2	5	<5	125	<5	<0.5	6	4310	40	<1	1	<1	15	<1	10
400S	700E	2	10	5	<5	183	<5	<0.5	14	9190	10	<1	2	<1	18	<1	7
400S	725E	4	4	4	<5	108	<5	<0.5	7	2140	40	<1	1	<1	26	<1	15
400S	750E	2	5	3	<5	120	<5	<0.5	5	5300	40	<1	<1	<1	37	<1	12
400S	775E	9	20	27	<5	243	<5	<0.5	47	8280	70	<1	11	<1	11	<1	58
400S	800E	5	3	3	<5	132	<5	<0.5	5	2550	30	<1	<1	<1	29	<1	10
400S	825E	2	<1	<1	<5	172	<5	<0.5	<1	6990	20	<1	<1	<1	<5	1	<5
400S	850E	<1	1	<1	<5	95	15	<0.5	1	7300	30	<1	<1	<1	<5	1	<5
400S	875E	6	4	4	6	137	5	<0.5	9	13600	5	<1	2	<1	19	<1	12
400S	900E	2	<1	<1	<5	145	<5	<0.5	<1	11900	5	<1	<1	<1	<5	1	<5
400S	925E	1	<1	<1	<5	162	29	<0.5	<1	6920	10	<1	<1	<1	8	7	<5
400S	950E	2	5	1	7	168	<5	<0.5	4	3240	10	<1	<1	<1	<5	<1	5
400S	975E	3	2	1	6	130	8	<0.5	4	5420	10	<1	<1	<1	7	<1	5
400S	1000E	2	2	1	8	174	<5	<0.5	3	1150	10	<1	<1	<1	<5	<1	6
Line 200S																	
200S	1050W	10	9	32	<5	94	18	<0.5	35	8330	5	<1	8	<1	21	1	7
200S	1025W	6	36	50	10	113	5	<0.5	85	13500	5	<1	17	<1	42	<1	8
200S	1000W	10	16	16	9	124	10	<0.5	37	5500	30	<1	6	<1	159	<1	11
200S	975W	2	9	3	6	58	<5	<0.5	7	10700	5	<1	1	<1	65	<1	<5
200S	950W	5	20	13	9	134	6	<0.5	35	6640	10	<1	6	<1	77	<1	8
200S	925W	6	3	5	<5	64	23	<0.5	8	10500	5	<1	2	<1	51	<1	7
200S	900W	6	19	15	6	143	<5	<0.5	34	6870	20	<1	6	<1	37	<1	7
200S	875W	9	15	16	6	119	<5	<0.5	37	6380	10	<1	6	<1	50	<1	8
200S	850W	13	24	25	6	71	<5	<0.5	55	5620	40	<1	10	<1	79	<1	8
200S	825W	7	14	7	<5	93	12	<0.5	15	4190	30	<1	3	<1	35	<1	8
200S	800W	20	38	51	<5	118	9	<0.5	105	7440	30	<1	20	<1	136	<1	18
200S	775W	9	43	61	<5	191	<5	<0.5	126	8420	10	<1	24	<1	70	<1	14
200S	750W	13	21	29	8	140	5	0.7	52	10500	30	<1	10	<1	96	1	10
200S	725W	4	22	14	<5	191	<5	<0.5	36	6560	20	<1	6	<1	104	<1	9
200S	700W	8	8	8	6	65	6	<0.5	15	9630	5	<1	3	<1	29	<1	<5
200S	675W	6	7	8	11	56	7	<0.5	14	10300	5	<1	3	<1	70	<1	<5
200S	650W	16	2	6	12	129	11	<0.5	6	5640	5	<1	1	<1	34	2	17
200S	625W	4	23	14	16	153	7	<0.5	43	10000	10	<1	7	<1	32	1	<5
200S	600W	47	18	34	20	112	39	1	61	21800	10	<1	13	<1	22	2	25
200S	575W	27	13	18	12	119	14	<0.5	33	20600	5	1	6	<1	58	2	20

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
400S	275E	7	<1	750	<1	2	5	1.8	7	<0.5	3	<1	61	6	90	7
400S	300E	1	<1	540	<1	<1	5	<0.5	11	<0.5	2	<1	17	2	<20	10
400S	325E	10	<1	620	<1	2	5	1.3	11	<0.5	2	<1	91	7	30	9
400S	350E	5	<1	760	<1	1	5	1	11	<0.5	<1	<1	42	3	50	11
400S	375E	1	<1	800	<1	<1	5	2.8	9	<0.5	2	<1	16	2	30	<5
400S	400E	<1	<1	640	<1	<1	5	2	13	<0.5	6	<1	12	2	40	<5
400S	425E	<1	<1	730	<1	<1	5	<0.5	8	<0.5	7	<1	<5	<1	70	6
400S	450E	<1	<1	880	<1	<1	5	0.9	9	<0.5	5	<1	<5	<1	40	<5
400S	475E	<1	<1	840	<1	<1	5	<0.5	5	<0.5	4	<1	7	<1	150	<5
400S	500E	2	<1	900	<1	<1	5	<0.5	6	<0.5	5	<1	19	2	100	<5
400S	525E	5	<1	370	<1	1	5	5	120	<0.5	7	<1	30	5	30	9
400S	550E	<1	<1	950	<1	<1	5	<0.5	4	<0.5	3	<1	7	1	40	<5
400S	575E															
400S	600E	2	<1	490	<1	<1	5	0.8	35	<0.5	13	<1	22	3	<20	<5
400S	625E	6	<1	350	<1	2	5	<0.5	30	<0.5	2	<1	64	5	<20	<5
400S	650E	6	<1	520	<1	1	5	2.9	20	<0.5	5	<1	39	6	60	6
400S	675E	1	<1	850	<1	<1	5	1.7	39	<0.5	2	<1	11	2	<20	<5
400S	700E	5	<1	740	<1	2	5	0.8	6	<0.5	1	<1	57	6	<20	<5
400S	725E	3	<1	690	<1	<1	5	1	27	<0.5	<1	<1	24	3	140	<5
400S	750E	2	<1	610	<1	<1	5	<0.5	19	<0.5	2	<1	27	3	20	<5
400S	775E	15	<1	210	<1	4	5	6.1	62	<0.5	8	<1	105	13	20	10
400S	800E	2	<1	440	<1	<1	5	0.6	60	<0.5	2	<1	15	2	20	<5
400S	825E	<1	<1	770	<1	<1	5	<0.5	4	<0.5	9	<1	5	<1	20	<5
400S	850E	<1	<1	480	<1	<1	5	<0.5	5	<0.5	8	<1	11	2	230	<5
400S	875E	3	<1	560	<1	<1	5	1.3	15	<0.5	3	<1	20	2	180	5
400S	900E	<1	<1	670	<1	<1	5	<0.5	4	<0.5	4	<1	<5	<1	<20	<5
400S	925E	<1	<1	670	<1	<1	5	<0.5	5	<0.5	5	<1	<5	<1	30	<5
400S	950E	2	<1	880	<1	<1	5	<0.5	6	<0.5	2	<1	24	3	50	<5
400S	975E	1	<1	790	<1	<1	5	<0.5	6	<0.5	1	<1	11	2	30	<5
400S	1000E	2	<1	1210	<1	<1	5	<0.5	7	<0.5	2	<1	8	<1	<20	<5
Line 200S																
200S	1050W	7	<1	700	<1	1	5	0.6	3	0.5	24	<1	49	7	<20	<5
200S	1025W	25	<1	890	<1	5	5	0.8	9	<0.5	6	<1	220	18	80	<5
200S	1000W	11	<1	700	<1	2	5	2.4	65	<0.5	4	<1	71	5	240	<5
200S	975W	3	<1	690	<1	2	5	<0.5	<3	<0.5	6	<1	69	10	50	<5
200S	950W	12	<1	620	<1	3	5	1.3	10	<0.5	6	<1	81	6	100	<5
200S	925W	2	<1	650	<1	<1	5	<0.5	<3	<0.5	16	<1	20	4	<20	<5
200S	900W	12	<1	750	<1	3	5	1.6	<3	<0.5	6	<1	83	8	40	<5
200S	875W	11	<1	600	<1	2	5	2.2	15	<0.5	8	<1	60	4	40	<5
200S	850W	18	<1	560	<1	3	5	2.4	24	<0.5	7	<1	138	6	220	8
200S	825W	6	<1	700	<1	2	5	1.8	<3	<0.5	5	<1	130	9	100	<5
200S	800W	30	<1	740	<1	5	5	4.2	94	<0.5	17	<1	155	8	800	13
200S	775W	37	<1	610	<1	6	5	2.9	28	<0.5	12	<1	164	10	80	9
200S	750W	15	<1	500	<1	3	5	4.7	32	<0.5	19	<1	109	8	190	13
200S	725W	13	<1	600	<1	3	5	3.4	22	<0.5	14	<1	94	7	<20	<5
200S	700W	5	<1	570	<1	1	5	2.1	28	<0.5	7	<1	58	3	240	24
200S	675W	5	<1	460	<1	1	5	0.8	23	<0.5	6	<1	54	3	<20	9
200S	650W	1	<1	2120	<1	<1	5	0.7	55	<0.5	29	<1	14	<1	<20	73
200S	625W	16	<1	680	<1	3	5	2.7	27	<0.5	11	<1	100	5	<20	21
200S	600W	16	<1	970	<1	2	5	5.6	61	<0.5	24	<1	85	6	20	74
200S	575W	10	<1	960	<1	2	5	2	55	<0.5	19	<1	101	5	80	63

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
200S	550W	3	6	30	0.6	390	<1	380	6	14	632	50	5900	2	1.6	0.8
200S	525W	5	3	30	0.5	1040	<1	520	2	15	674	50	1910	2	1.5	0.7
200S	500W	23	6	5	0.5	1240	<1	620	2	12	21	50	430	8	3.7	2.2
200S	475W	15	12	5	0.5	800	<1	540	2	26	42	100	250	33	19	6.5
200S	450W	15	9	5	0.4	810	<1	440	5	33	343	200	330	22	11.9	4.7
200S	425W	15	9	5	0.5	750	<1	270	3	35	349	100	270	31	17.7	6
200S	400W	12	14	5	1	890	<1	370	2	35	931	200	590	12	7.8	2.4
200S	375W	17	7	5	1.7	1040	<1	510	2	22	42	50	650	38	19.9	9.4
200S	350W	19	5	5	1.1	980	<1	590	1	8	21	50	570	16	7.9	4.2
200S	325W	5	2	20	0.3	1070	<1	520	3	10	476	50	1670	2	1.4	<0.5
200S	300W	28	3	5	0.5	580	<1	420	2	<5	214	50	1050	<1	0.6	<0.5
200S	275W	14	6	5	0.6	1220	<1	500	2	11	21	50	180	5	2.5	1.3
200S	250W	9	11	5	0.6	1310	<1	490	4	25	79	50	440	22	11.4	5.4
200S	225W	2	14	5	<0.1	810	<1	370	14	8	32	50	770	18	15.3	1.8
200S	200W	14	4	10	1.6	1050	<1	380	3	26	835	50	1650	14	8.7	3.1
200S	175W	18	4	5	1.4	980	<1	430	2	8	100	50	480	4	2.7	0.9
200S	150W	2	2	5	0.4	350	<1	390	14	<5	23	50	310	<1	0.7	<0.5
200S	125W	1	15	110	<0.1	570	<1	700	4	11	255	50	620	<1	0.5	0.5
200S	100W	1	4	500	<0.1	580	<1	840	2	<5	80	50	30	<1	<0.5	<0.5
200S	75W	1	18	140	<0.1	780	<1	690	1	<5	69	50	90	<1	0.6	<0.5
200S	50W	8	6	5	0.3	990	<1	230	6	20	62	50	70	7	3.7	1.4
200S	25W	5	2	5	1	1650	<1	190	3	29	113	50	210	46	25.2	9
200S	0E	4	5	5	0.7	1270	<1	90	4	76	1150	50	420	7	4.5	1.5
200S	25E	7	8	5	0.4	1940	<1	140	4	36	27	50	160	15	7.1	3.7
200S	50E	6	10	5	0.3	1320	<1	80	6	64	894	100	740	8	5.1	1.9
200S	75E	9	18	10	0.4	2400	<1	170	4	89	707	100	360	6	2.9	1.7
200S	100E	8	13	20	0.4	1350	<1	110	4	46	598	100	410	5	3	1.3
200S	125E	8	6	5	0.3	1180	<1	150	2	17	492	50	280	1	0.8	<0.5
200S	150E	0.5	1	5	<0.1	420	<1	430	16	<5	120	50	110	<1	<0.5	<0.5
200S	175E	5	4	5	<0.1	890	<1	960	27	<5	27	50	130	1	0.6	<0.5
200S	200E	14	4	5	3.5	1100	<1	360	<1	17	138	50	480	5	2.3	1.3
200S	225E	10	18	5	0.5	1340	<1	190	2	61	388	100	400	10	5.3	2.6
200S	250E	9	22	5	0.5	1760	<1	140	2	87	521	200	400	8	3.9	2.2
200S	275E	6	19	5	0.2	1540	<1	110	4	50	88	50	160	12	5.8	3.1
200S	300E	5	9	5	0.2	1040	<1	220	3	54	29	50	120	8	3.7	2.1
200S	325E	8	18	5	0.3	1110	<1	160	5	83	48	50	190	39	20.3	10.1
200S	350E	14	15	5	0.5	1560	<1	200	7	76	94	100	190	15	7.7	3.5
200S	375E	10	10	5	0.3	2430	<1	200	4	46	91	50	160	14	7.5	2.9
200S	400E	12	6	5	0.6	1230	<1	290	3	29	757	50	340	7	4.1	1.4
200S	425E	9	4	5	2	960	<1	400	8	100	1050	50	540	15	8.1	3.9
200S	450E	3	4	20	0.5	760	<1	410	2	75	482	50	1440	9	5.1	2.7
200S	475E	1	2	10	<0.1	610	<1	580	6	8	14	50	820	1	1.1	0.5
200S	500E	0.5	5	70	0.2	750	<1	800	9	6	43	50	1070	<1	<0.5	<0.5
200S	525E	0.5	12	90	0.2	620	<1	620	3	<5	26	50	1390	1	0.6	0.6
200S	550E	2	6	130	0.2	720	<1	610	3	16	290	50	1310	3	1.7	1
200S	575E	3	18	5	<0.1	730	<1	590	2	6	92	50	780	1	0.8	<0.5
200S	600E	3	19	5	0.5	710	<1	150	3	101	915	200	1080	7	3.6	1.9
200S	625E	6	34	5	0.1	1340	<1	170	5	80	64	100	90	6	2.5	1.9
200S	650E	7	18	5	0.4	1360	<1	150	6	151	885	100	310	6	3.1	2
200S	675E	15	36	5	0.3	1620	<1	140	6	151	79	100	110	14	6.4	4.4
200S	700E	9	18	5	0.3	1470	<1	200	5	110	53	100	120	14	6.7	3.8

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
200S	550W	17	3	8	11	60	32	<0.5	13	7390	5	<1	3	<1	70	2	<5
200S	525W	11	3	6	12	90	37	<0.5	10	8960	5	<1	2	<1	57	4	<5
200S	500W	4	10	7	14	153	9	<0.5	20	9780	5	<1	4	<1	56	<1	<5
200S	475W	5	33	23	9	146	6	<0.5	56	8140	20	<1	10	<1	35	<1	9
200S	450W	5	23	16	6	168	7	<0.5	39	7350	10	<1	7	<1	33	<1	9
200S	425W	5	33	26	7	208	<5	<0.5	52	11500	50	<1	10	<1	27	<1	11
200S	400W	7	12	17	5	149	6	<0.5	30	9710	10	<1	6	<1	42	<1	6
200S	375W	4	48	26	10	185	11	<0.5	78	9390	20	<1	13	<1	37	1	7
200S	350W	3	21	13	13	200	<5	<0.5	38	8630	5	<1	6	<1	38	<1	<5
200S	325W	7	2	4	14	172	22	<0.5	7	11700	5	<1	2	<1	67	2	<5
200S	300W	10	<1	2	<5	109	7	<0.5	2	6710	5	<1	<1	<1	35	2	<5
200S	275W	7	6	8	12	189	<5	<0.5	15	5790	5	<1	3	<1	33	<1	<5
200S	250W	6	27	23	<5	169	<5	<0.5	54	7870	5	<1	10	<1	19	<1	10
200S	225W	4	13	6	<5	156	<5	<0.5	16	16100	5	<1	3	<1	19	<1	<5
200S	200W	4	16	20	7	263	<5	<0.5	39	10100	5	<1	8	<1	7	1	<5
200S	175W	5	4	4	5	175	8	<0.5	8	3830	10	<1	1	<1	42	1	<5
200S	150W	4	<1	<1	<5	117	13	<0.5	<1	8640	10	<1	<1	<1	<5	1	<5
200S	125W	120	2	11	<5	139	81	<0.5	9	12700	10	<1	3	<1	15	4	<5
200S	100W	5	<1	3	<5	175	989	<0.5	3	7400	5	<1	<1	<1	5	5	<5
200S	75W	62	<1	2	7	117	151	<0.5	2	9660	5	<1	<1	<1	<5	3	<5
200S	50W	5	7	7	<5	280	<5	<0.5	12	5330	20	<1	2	<1	17	<1	10
200S	25W	2	46	17	<5	296	<5	<0.5	46	5350	110	<1	7	<1	14	<1	33
200S	0E	7	8	21	<5	241	<5	<0.5	27	2780	50	<1	6	<1	21	<1	24
200S	25E	5	18	19	<5	273	<5	<0.5	44	2480	100	<1	8	<1	19	<1	15
200S	50E	12	9	27	<5	230	<5	<0.5	36	3080	50	<1	8	<1	34	<1	20
200S	75E	42	8	28	<5	175	<5	0.8	33	2090	80	<1	8	<1	41	<1	15
200S	100E	20	6	16	<5	181	<5	<0.5	20	2350	70	<1	5	<1	19	<1	19
200S	125E	8	2	4	<5	228	<5	<0.5	5	1130	60	<1	1	<1	26	<1	<5
200S	150E	3	<1	<1	<5	100	29	<0.5	<1	6150	5	<1	<1	<1	<5	<1	<5
200S	175E	7	1	<1	<5	277	<5	<0.5	<1	2170	30	<1	<1	<1	<5	<1	<5
200S	200E	5	6	4	<5	234	5	<0.5	12	1640	5	<1	2	<1	<5	1	<5
200S	225E	20	12	25	<5	248	<5	<0.5	37	3310	10	<1	8	<1	9	<1	10
200S	250E	33	10	28	<5	231	<5	<0.5	35	2610	10	<1	8	<1	19	<1	15
200S	275E	20	14	23	<5	248	<5	<0.5	42	3090	20	<1	9	<1	30	<1	12
200S	300E	8	9	11	<5	301	<5	<0.5	23	2440	10	<1	5	<1	8	<1	9
200S	325E	10	49	50	<5	254	<5	<0.5	113	6720	30	<1	21	<1	16	<1	25
200S	350E	14	17	22	<5	288	<5	<0.5	42	4170	40	<1	9	<1	14	<1	19
200S	375E	11	14	16	<5	300	<5	<0.5	31	2780	30	<1	6	<1	9	<1	18
200S	400E	5	7	8	<5	307	<5	1.2	14	6830	5	<1	3	<1	6	<1	10
200S	425E	5	18	23	<5	261	12	0.6	44	7680	10	<1	9	<1	7	<1	12
200S	450E	15	12	20	<5	220	9	0.9	39	7770	20	<1	8	<1	23	2	7
200S	475E	10	1	2	<5	163	36	0.6	2	24200	5	<1	<1	<1	7	2	6
200S	500E	18	<1	1	<5	222	67	0.6	2	27200	10	<1	<1	<1	6	5	8
200S	525E	12	1	1	<5	314	208	0.7	2	23400	10	<1	<1	<1	11	12	6
200S	550E	91	3	7	<5	428	21	1	11	19500	40	<1	3	<1	27	3	15
200S	575E	22	1	2	<5	357	15	0.8	3	10000	20	<1	<1	<1	10	2	<5
200S	600E	58	8	28	<5	153	<5	0.6	33	3780	10	<1	9	<1	14	<1	25
200S	625E	25	8	18	<5	155	<5	0.8	27	1350	30	<1	6	<1	52	<1	11
200S	650E	30	8	29	<5	217	<5	0.6	35	2510	5	<1	9	<1	20	<1	18
200S	675E	17	18	42	<5	221	<5	<0.5	64	3230	20	<1	14	<1	41	<1	22
200S	700E	15	18	28	<5	230	<5	<0.5	51	3190	20	<1	11	<1	14	<1	29



ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
200S	550W	3	<1	430	<1	<1	5	2.3	22	<0.5	18	<1	16	2	<20	<5
200S	525W	2	<1	750	<1	<1	5	1.5	19	<0.5	17	<1	13	2	30	<5
200S	500W	8	<1	990	<1	2	5	2.8	27	<0.5	17	<1	43	3	<20	16
200S	475W	20	<1	740	<1	5	5	3	19	<0.5	36	<1	170	14	<20	<5
200S	450W	15	<1	870	<1	4	5	5.9	26	<0.5	27	<1	106	8	100	12
200S	425W	18	<1	650	<1	5	5	3.1	20	<0.5	21	<1	149	14	20	<5
200S	400W	8	<1	620	<1	2	5	3.5	21	<0.5	17	<1	60	7	<20	<5
200S	375W	30	<1	1160	<1	7	5	5.3	24	<0.5	25	<1	210	13	<20	17
200S	350W	14	<1	1290	<1	3	5	2.7	25	<0.5	13	<1	99	5	<20	16
200S	325W	2	<1	1320	<1	<1	5	1	18	<0.5	14	<1	12	1	<20	<5
200S	300W	<1	<1	930	<1	<1	5	<0.5	28	<0.5	13	<1	7	<1	<20	20
200S	275W	5	<1	1140	<1	<1	5	2.1	24	<0.5	21	<1	25	2	<20	7
200S	250W	18	<1	1290	<1	4	5	4.7	21	<0.5	54	<1	111	8	<20	11
200S	225W	6	<1	2680	<1	2	5	<0.5	14	<0.5	14	<1	141	13	<20	<5
200S	200W	10	<1	1140	<1	2	5	3.3	19	<0.5	8	<1	78	7	<20	<5
200S	175W	3	<1	1190	<1	<1	5	0.6	28	<0.5	7	<1	27	2	<20	<5
200S	150W	<1	<1	1030	<1	<1	5	<0.5	15	<0.5	12	<1	7	<1	<20	11
200S	125W	1	<1	1460	<1	<1	5	<0.5	31	<0.5	63	<1	7	<1	<20	7
200S	100W	<1	<1	1230	<1	<1	5	<0.5	15	<0.5	280	<1	<5	<1	50	6
200S	75W	<1	<1	1390	<1	<1	5	<0.5	11	<0.5	22	<1	<5	<1	<20	<5
200S	50W	4	<1	680	<1	1	5	0.6	11	<0.5	3	<1	35	3	120	<5
200S	25W	26	<1	810	<1	8	5	1.1	4	<0.5	13	<1	216	19	<20	<5
200S	0E	6	<1	640	<1	1	5	2.3	37	<0.5	5	<1	33	4	<20	7
200S	25E	14	<1	580	<1	3	5	2.8	19	<0.5	8	<1	73	5	70	7
200S	50E	8	<1	520	<1	1	5	3.3	66	<0.5	6	<1	46	5	<20	8
200S	75E	7	<1	680	<1	1	5	7.1	180	<0.5	7	<1	32	2	<20	14
200S	100E	5	<1	440	<1	<1	5	2.8	180	<0.5	6	<1	26	3	30	10
200S	125E	1	<1	440	<1	<1	5	1.3	53	<0.5	3	<1	6	<1	<20	<5
200S	150E	<1	<1	760	<1	<1	5	<0.5	<3	<0.5	25	<1	<5	<1	<20	<5
200S	175E	<1	<1	1700	<1	<1	5	0.6	7	<0.5	5	<1	11	<1	120	<5
200S	200E	5	<1	1200	<1	<1	5	1.6	<3	<0.5	2	<1	27	2	<20	<5
200S	225E	10	<1	700	<1	2	5	6.5	24	<0.5	11	<1	60	4	<20	9
200S	250E	8	<1	610	<1	1	5	7.6	112	<0.5	7	<1	41	3	<20	13
200S	275E	12	<1	480	<1	2	5	5.3	156	<0.5	6	<1	68	4	30	10
200S	300E	7	<1	820	<1	1	5	4.4	5	<0.5	5	<1	42	3	<20	6
200S	325E	36	<1	740	<1	7	5	5.8	30	<0.5	12	<1	236	15	<20	11
200S	350E	13	<1	840	<1	3	5	6.5	29	<0.5	8	<1	80	6	50	9
200S	375E	10	2	810	<1	2	5	3.9	8	<0.5	7	<1	77	6	40	7
200S	400E	5	<1	1060	2	1	5	4.5	6	0.5	7	3	38	3	<20	<5
200S	425E	14	<1	980	<1	3	5	5.8	<3	<0.5	12	2	83	6	<20	<5
200S	450E	10	<1	1090	<1	2	5	11.3	9	<0.5	12	3	52	4	<20	7
200S	475E	1	<1	1080	<1	<1	5	0.8	4	1.1	15	3	11	<1	30	<5
200S	500E	<1	<1	1500	<1	<1	5	<0.5	28	0.8	51	3	5	<1	40	<5
200S	525E	<1	<1	1540	<1	<1	5	0.6	15	0.7	70	12	8	<1	50	<5
200S	550E	3	<1	1740	<1	<1	5	3.8	61	0.6	5	2	21	2	40	6
200S	575E	<1	<1	1640	<1	<1	5	0.7	21	0.7	17	<1	9	<1	40	<5
200S	600E	8	<1	530	<1	1	5	5.5	72	<0.5	8	<1	36	4	<20	13
200S	625E	7	<1	540	<1	1	5	4.7	199	<0.5	4	<1	26	2	<20	11
200S	650E	8	<1	530	<1	1	5	7	123	<0.5	7	<1	31	2	50	13
200S	675E	16	<1	520	<1	3	5	6.2	88	<0.5	8	<1	73	5	30	12
200S	700E	14	<1	730	<1	3	5	5.9	56	<0.5	9	<1	69	5	50	11

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
200S	725E	7	25	5	0.3	2880	<1	180	2	62	45	100	130	8	3.5	2.4
200S	750E	5	5	5	0.5	2490	<1	260	2	46	17	50	90	22	10.8	5.1
200S	775E	8	7	5	0.8	1200	<1	120	4	136	672	50	530	14	8	4
200S	800E	6	27	5	0.1	3600	<1	160	10	77	87	100	130	11	5.7	2.6
200S	825E	7	12	5	0.5	1720	<1	150	5	125	51	50	340	64	32	16.2
200S	850E	11	6	5	0.8	1160	<1	190	3	94	169	50	220	52	28.1	11.3
200S	875E	2	73	10	<0.1	1050	<1	90	2	78	1340	400	150	4	2.1	1.4
200S	900E	9	19	5	<0.1	1910	<1	410	11	12	49	50	50	1	0.7	0.5
200S	925E	5	16	5	<0.1	1180	<1	300	9	42	246	50	390	17	9.4	5.3
200S	950E	8	6	5	0.4	1090	<1	200	4	80	218	100	100	10	5.5	2.1
200S	975E	3	4	5	0.3	320	<1	150	2	19	74	50	80	9	4.5	2.7
200S	1000E	12	4	5	0.8	1100	<1	410	2	18	30	50	330	6	2.3	1.8
Line ON																
ON	1050W	36	10	5	1.2	1290	<1	620	5	7	47	50	1660	17	8.5	5.1
ON	1025W	43	26	10	0.7	1550	<1	1110	14	8	20	50	1350	11	8.8	2.4
ON	1000W	16	14	5	0.2	920	<1	490	5	<5	31	50	470	7	4.8	1.6
ON	975W	18	7	5	1.1	880	<1	440	7	10	80	50	980	8	4.8	2.6
ON	950W	15	32	5	0.1	980	<1	450	4	24	139	100	190	9	5.1	1.6
ON	925W	8	42	5	0.1	590	<1	480	3	22	116	50	300	17	12	3.2
ON	900W	9	41	5	0.2	510	<1	510	8	15	59	50	290	14	9.2	2.8
ON	875W	9	50	5	0.2	290	<1	490	3	23	47	50	880	12	6.5	3.8
ON	850W	3	21	5	0.4	120	<1	320	7	<5	39	50	5710	3	3.8	<0.5
ON	825W	8	4	5	0.4	250	<1	320	12	<5	54	50	3130	2	1.9	<0.5
ON	800W	4	5	5	0.4	280	<1	350	10	<5	121	50	21000	1	1.9	<0.5
ON	775W	30	5	5	1.2	680	<1	670	5	<5	45	50	8610	6	4.1	2.3
ON	750W	15	11	5	0.2	1900	<1	680	2	39	111	50	1130	19	8.1	5.8
ON	725W	9	23	5	0.2	1320	<1	650	4	22	21	50	510	15	6.9	4.4
ON	700W	4	33	5	0.2	1360	<1	540	11	53	138	50	390	15	7.3	4.6
ON	675W	9	10	5	0.2	1170	<1	850	3	10	40	50	2250	14	6.7	4.2
ON	650W	5	<1	5	0.2	7450	<1	960	<1	36	14	50	1120	10	4.8	2.3
ON	625W	5	8	40	2.3	1390	<1	730	9	77	350	50	31600	26	14.6	12.7
ON	600W	15	17	5	0.8	350	<1	670	13	20	85	50	15000	14	8	5.1
ON	575W	23	15	5	2.1	470	<1	1290	31	13	127	50	51400	27	19.8	7.2
ON	550W	13	7	5	0.5	620	<1	870	36	<5	44	50	740	6	2.9	1.5
ON	525W	15	5	5	0.6	950	<1	750	9	13	281	50	3670	5	2.8	1.4
ON	500W	10	15	5	0.1	770	<1	800	34	<5	11	50	160	3	1.4	0.8
ON	475W	14	6	5	0.3	980	<1	480	7	6	46	50	210	26	13.4	5.5
ON	450W	11	41	5	0.4	1500	<1	460	18	71	107	200	200	11	5.9	2.6
ON	425W	16	14	5	0.4	1020	<1	450	5	29	54	200	210	19	10.2	4.1
ON	400W	7	19	5	0.5	960	<1	720	18	15	145	100	270	16	8.9	2.3
ON	375W	20	3	5	2.4	1500	<1	650	10	8	97	50	1050	10	5.3	2.6
ON	350W	16	8	5	0.2	1160	<1	800	10	17	346	50	1080	2	0.9	0.5
ON	325W	27	4	10	0.6	1030	<1	700	19	15	437	50	4740	6	2.5	1.9
ON	300W	25	31	5	0.4	1620	<1	450	25	40	87	200	150	13	6.4	2.8
ON	275W	16	36	5	0.3	1610	<1	430	23	58	61	200	200	13	6.2	3.8
ON	250W	13	53	5	0.1	1080	<1	450	51	101	95	200	120	16	8	4
ON	225W	19	28	5	0.3	660	<1	480	15	45	53	200	170	17	7.5	4.7
ON	200W	11	40	5	0.2	780	<1	400	11	50	62	200	90	14	7.2	3.4
ON	175W	20	13	5	0.2	770	<1	630	7	20	41	100	90	14	7.3	3
ON	150W	23	3	5	0.4	1030	<1	910	14	8	20	50	370	8	3.1	2
ON	125W	15	6	5	0.3	1000	<1	880	18	<5	26	50	260	5	2.5	1.4

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
200S	725E	14	10	20	<5	212	<5	<0.5	31	1920	10	<1	7	<1	44	<1	13
200S	750E	4	25	23	<5	424	<5	<0.5	50	2220	10	<1	8	<1	<5	<1	31
200S	775E	8	19	44	<5	327	<5	<0.5	66	5880	5	<1	15	<1	8	<1	34
200S	800E	13	12	16	<5	192	<5	<0.5	29	2460	40	<1	6	<1	17	<1	27
200S	825E	11	77	79	<5	280	<5	<0.5	188	7160	20	<1	33	<1	26	<1	48
200S	850E	4	56	35	<5	318	<5	<0.5	91	8680	50	<1	15	<1	16	<1	36
200S	875E	92	5	19	<5	169	<5	1.8	22	2180	60	<1	6	<1	71	<1	26
200S	900E	20	2	4	<5	101	<5	<0.5	6	945	20	<1	2	<1	117	<1	6
200S	925E	18	20	16	6	211	<5	<0.5	40	5910	30	<1	7	<1	117	<1	15
200S	950E	5	10	8	<5	317	<5	<0.5	17	6360	30	<1	3	<1	11	<1	29
200S	975E	4	11	10	<5	377	<5	<0.5	28	13700	5	<1	5	<1	22	<1	15
200S	1000E	5	8	8	<5	203	<5	<0.5	20	3100	5	<1	4	<1	11	<1	<5
Line ON																	
ON	1050W	8	22	15	<5	97	<5	<0.5	40	7720	5	<1	6	<1	37	<1	<5
ON	1025W	15	12	11	6	157	<5	<0.5	24	22600	10	<1	4	<1	64	<1	<5
ON	1000W	3	8	5	<5	80	<5	<0.5	13	4270	20	<1	2	<1	92	<1	<5
ON	975W	16	12	13	<5	70	7	<0.5	29	16900	5	<1	5	<1	95	<1	5
ON	950W	11	8	8	<5	118	5	<0.5	17	5420	10	<1	3	<1	198	<1	10
ON	925W	7	16	11	<5	82	<5	<0.5	25	6440	20	<1	4	<1	121	<1	11
ON	900W	9	13	11	<5	83	<5	<0.5	23	5300	20	<1	4	<1	150	<1	7
ON	875W	21	15	15	<5	59	<5	<0.5	35	3540	5	<1	6	<1	54	<1	7
ON	850W	4	2	2	<5	23	5	<0.5	4	8860	10	<1	<1	<1	20	1	<5
ON	825W	3	1	1	6	33	7	<0.5	2	5380	5	<1	<1	<1	44	<1	<5
ON	800W	6	1	3	<5	29	17	<0.5	4	4990	5	<1	<1	<1	46	2	<5
ON	775W	8	9	9	<5	65	13	<0.5	20	9120	5	<1	3	<1	54	<1	<5
ON	750W	8	27	27	8	84	6	<0.5	68	5830	5	<1	13	<1	90	<1	7
ON	725W	10	21	17	6	106	<5	<0.5	47	8320	5	<1	10	<1	100	<1	<5
ON	700W	15	20	23	6	109	<5	<0.5	52	4850	20	<1	11	<1	130	<1	7
ON	675W	6	20	14	<5	81	8	<0.5	39	7090	5	<1	8	<1	27	<1	6
ON	650W	6	15	31	25	121	<5	<0.5	47	1940	5	<1	11	<1	<5	<1	<5
ON	625W	28	37	98	<5	63	48	<0.5	141	5030	5	<1	31	<1	50	1	20
ON	600W	19	20	23	5	53	19	<0.5	51	8400	5	<1	11	<1	99	<1	11
ON	575W	66	31	23	<5	95	32	<0.5	58	14700	20	<1	11	<1	25	2	11
ON	550W	10	7	3	<5	70	<5	<0.5	14	10400	5	<1	3	<1	<5	<1	<5
ON	525W	13	7	7	<5	94	18	<0.5	18	7070	5	<1	4	<1	7	<1	<5
ON	500W	7	4	<1	6	93	<5	<0.5	7	5950	5	<1	2	<1	137	<1	<5
ON	475W	3	29	9	<5	154	<5	<0.5	27	8690	10	<1	5	<1	22	<1	6
ON	450W	25	13	17	<5	129	<5	<0.5	31	4120	20	<1	7	<1	100	<1	18
ON	425W	7	21	13	<5	157	<5	<0.5	32	7280	10	<1	7	<1	111	<1	10
ON	400W	7	13	4	<5	84	8	<0.5	17	4100	20	<1	4	<1	53	<1	9
ON	375W	5	12	3	5	100	19	<0.5	17	4830	10	<1	3	<1	7	<1	<5
ON	350W	18	3	2	<5	77	14	<0.5	7	2580	5	<1	2	<1	10	1	<5
ON	325W	9	8	6	9	97	59	<0.5	20	5870	5	<1	5	<1	46	2	<5
ON	300W	12	13	10	<5	140	<5	<0.5	25	5500	20	<1	6	<1	65	<1	11
ON	275W	22	17	21	<5	140	7	0.7	45	3360	20	<1	10	<1	111	<1	13
ON	250W	22	19	25	7	134	13	1.6	50	5090	20	<1	11	<1	144	<1	20
ON	225W	15	22	24	<5	145	<5	<0.5	56	6240	10	<1	12	<1	60	<1	12
ON	200W	11	17	13	9	134	6	<0.5	32	6830	20	<1	7	<1	79	<1	12
ON	175W	5	16	7	6	123	<5	<0.5	19	8370	10	<1	4	<1	59	<1	6
ON	150W	6	10	5	9	134	9	<0.5	18	3710	5	<1	4	<1	59	<1	5
ON	125W	5	7	2	12	97	<5	<0.5	11	6410	5	<1	2	<1	66	<1	<5

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
200S	725E	8	<1	740	<1	1	5	5	74	<0.5	4	<1	40	3	30	10
200S	750E	19	<1	900	<1	4	5	2.4	<3	<0.5	6	<1	107	8	20	<5
200S	775E	16	<1	640	<1	3	5	6.4	26	<0.5	13	<1	76	6	30	13
200S	800E	10	<1	620	<1	2	5	3.6	60	<0.5	3	<1	53	4	100	9
200S	825E	60	<1	550	<1	11	5	5.8	63	<0.5	16	<1	351	23	40	11
200S	850E	38	<1	720	<1	9	5	4.2	7	<0.5	17	<1	258	21	40	6
200S	875E	5	<1	270	<1	<1	5	9.5	540	<0.5	3	<1	20	2	40	24
200S	900E	2	<1	1000	<1	<1	5	1.4	36	<0.5	1	<1	9	<1	330	<5
200S	925E	13	<1	610	<1	3	5	2.8	32	<0.5	5	<1	118	8	220	6
200S	950E	7	<1	570	<1	2	5	2.8	5	<0.5	5	<1	51	4	70	<5
200S	975E	9	<1	430	<1	2	5	4.4	7	<0.5	6	<1	52	3	30	<5
200S	1000E	6	<1	1240	<1	1	5	1.6	<3	<0.5	<1	<1	32	2	30	<5
Line ON																
ON	1050W	14	<1	860	<1	3	5	2.2	<3	<0.5	36	7	106	6	20	<5
ON	1025W	8	<1	1530	<1	2	5	0.7	5	<0.5	22	<1	74	7	50	<5
ON	1000W	5	<1	840	<1	1	5	1.7	<3	<0.5	11	<1	38	4	40	<5
ON	975W	9	<1	620	<1	2	5	3.8	3	<0.5	16	<1	68	4	<20	6
ON	950W	6	<1	600	<1	1	5	1.1	47	<0.5	10	<1	41	4	60	<5
ON	925W	9	<1	570	<1	3	5	<0.5	9	<0.5	14	<1	102	10	<20	<5
ON	900W	8	<1	600	<1	2	5	<0.5	9	<0.5	14	<1	83	7	40	<5
ON	875W	11	<1	530	<1	2	5	<0.5	32	<0.5	8	<1	83	5	30	6
ON	850W	1	<1	350	<1	<1	5	<0.5	<3	<0.5	15	<1	29	4	<20	<5
ON	825W	<1	<1	440	<1	<1	5	<0.5	<3	<0.5	3	<1	11	2	<20	<5
ON	800W	<1	<1	400	<1	<1	5	<0.5	<3	1.1	7	<1	15	2	<20	<5
ON	775W	6	<1	610	<1	1	5	<0.5	<3	<0.5	19	<1	62	3	120	<5
ON	750W	23	<1	510	<1	4	5	4.7	17	<0.5	14	<1	97	6	<20	8
ON	725W	16	<1	540	<1	3	5	2.1	6	<0.5	18	<1	81	5	<20	<5
ON	700W	16	<1	470	<1	3	5	3.2	33	<0.5	17	<1	87	6	430	6
ON	675W	14	<1	680	<1	3	5	3.6	4	<0.5	20	<1	90	5	<20	<5
ON	650W	12	<1	880	<1	2	5	5.7	<3	<0.5	3	<1	45	4	30	<5
ON	625W	32	<1	530	<1	5	5	8.2	17	1.3	23	<1	204	14	<20	12
ON	600W	14	<1	540	<1	3	5	3.3	8	<0.5	10	<1	125	8	<20	<5
ON	575W	19	<1	850	<1	5	5	1.5	20	<0.5	38	<1	288	19	50	10
ON	550W	5	<1	710	<1	1	5	3	5	<0.5	8	<1	33	2	950	<5
ON	525W	6	<1	650	<1	<1	5	4	6	<0.5	19	<1	35	3	140	<5
ON	500W	3	<1	610	<1	<1	5	1.6	13	<0.5	10	<1	17	<1	370	<5
ON	475W	15	<1	500	<1	5	5	1	<3	<0.5	7	<1	123	10	80	<5
ON	450W	10	<1	560	<1	2	5	5.6	68	<0.5	7	<1	66	4	190	9
ON	425W	13	<1	760	<1	3	5	2.4	19	<0.5	16	<1	97	7	20	<5
ON	400W	8	<1	980	<1	2	5	3.5	4	<0.5	25	<1	67	7	600	<5
ON	375W	8	<1	650	<1	2	5	2	5	<0.5	7	<1	73	4	100	<5
ON	350W	2	<1	650	<1	<1	5	5.6	11	<0.5	16	<1	10	<1	70	<5
ON	325W	6	<1	660	<1	1	5	4.1	6	<0.5	20	<1	34	2	50	<5
ON	300W	10	<1	770	<1	2	5	2.9	28	<0.5	9	<1	58	5	370	<5
ON	275W	14	<1	660	<1	3	5	5.6	95	<0.5	12	<1	70	4	480	9
ON	250W	15	<1	700	2	3	5	7.1	140	<0.5	9	<1	86	6	330	9
ON	225W	18	<1	770	<1	3	5	4.1	42	<0.5	22	<1	81	5	110	9
ON	200W	11	<1	600	<1	3	5	1.8	53	<0.5	5	<1	71	5	60	<5
ON	175W	9	<1	830	<1	3	5	1.1	3	<0.5	11	<1	65	5	<20	<5
ON	150W	7	<1	1200	<1	1	5	3.2	6	<0.5	7	<1	40	2	70	<5
ON	125W	5	<1	1080	<1	<1	5	2.3	7	<0.5	10	<1	30	2	220	<5

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
ON	100W	11	9	5	0.6	1220	<1	540	4	55	61	50	140	17	7.7	4.6
ON	75W	30	6	5	1.5	610	<1	680	7	23	113	50	350	49	25.7	10.5
ON	50W	21	7	5	1.2	930	<1	650	9	30	64	50	820	44	21.7	11.3
ON	25W	31	5	5	1	710	<1	650	4	5	26	50	320	28	14	5.9
ON	0E	21	3	30	2.1	830	<1	610	5	6	527	50	1830	5	2.8	1
ON	25E	12	3	20	1.1	710	<1	640	5	22	253	50	1810	6	2.9	1.5
ON	50E	11	3	5	0.4	520	<1	730	7	<5	9	50	590	1	0.7	<0.5
ON	75E	6	2	5	0.4	550	<1	660	6	<5	39	50	460	1	0.7	<0.5
ON	100E	26	3	20	0.4	830	<1	1150	9	8	40	50	830	1	0.7	<0.5
ON	125E	12	3	10	0.4	960	<1	620	6	22	71	50	570	12	5.2	3.4
ON	150E	3	6	70	0.8	1030	<1	870	46	17	288	50	5780	6	5.2	1.4
ON	175E	5	2	10	0.9	970	<1	920	9	13	61	50	4600	6	4.2	1.3
ON	200E	10	3	20	1.2	1230	<1	470	2	21	115	50	980	13	5.9	3.6
ON	225E	5	5	5	0.3	560	<1	280	7	8	50	50	80	7	3.3	1.4
ON	250E	3	5	90	0.1	870	<1	860	7	6	273	50	670	1	0.6	<0.5
ON	275E	18	2	40	2.2	1050	<1	340	4	16	396	50	1580	8	3.7	1.9
ON	300E	5	8	5	0.3	660	<1	170	7	9	61	50	70	9	4.7	1.9
ON	325E	10	6	5	0.2	1150	<1	410	21	<5	46	50	120	3	1.6	0.6
ON	350E	3	24	5	0.2	510	<1	200	5	46	78	200	70	7	3.5	1.7
ON	375E	6	2	5	1	620	<1	190	7	24	50	100	210	39	19.8	8.2
ON	400E	17	2	20	2.5	1250	<1	210	2	12	327	50	640	10	5.2	2.7
ON	425E	23	24	5	0.4	1550	<1	620	38	65	35	50	550	32	15.9	9.2
ON	450E	8	14	5	0.2	730	<1	290	7	7	26	50	190	9	4.7	2.1
ON	475E	4	18	5	0.1	680	<1	260	9	15	46	50	110	10	5.7	1.9
ON	500E	10	4	5	0.5	880	<1	300	2	7	11	50	250	12	5.7	3
ON	525E	8	3	5	0.5	780	<1	250	3	14	204	50	630	5	3.2	1.1
ON	550E	18	3	5	1.5	1170	<1	250	2	25	29	50	430	20	9.2	5.8
ON	575E	10	8	5	0.3	1110	<1	220	5	22	56	50	430	28	15.9	5.1
ON	600E	17	2	20	1.5	880	<1	240	8	23	27	50	1360	16	8.6	3.9
ON	625E	2	4	120	0.2	660	<1	510	109	<5	1630	50	3350	2	1.1	<0.5
ON	650E															
ON	675E															
ON	700E															
ON	725E															
ON	750E	1	<1	5	0.1	770	<1	480	6	<5	247	50	150	<1	<0.5	<0.5
ON	775E	11	3	5	1	2460	<1	320	5	19	195	50	300	4	1.7	0.9
ON	800E	12	3	5	1.3	2430	<1	440	5	10	45	50	570	10	4.7	2.6
ON	825E	5	4	5	0.1	1260	<1	930	22	<5	25	50	520	<1	<0.5	<0.5
ON	850E	14	3	5	0.8	1190	<1	400	7	9	110	50	1140	7	4.1	1.5
ON	875E	16	2	20	1	1370	<1	410	10	31	414	50	3510	11	6.3	2.8
ON	900E	2	2	50	1	1170	<1	830	9	<5	413	50	3050	1	0.9	<0.5
ON	925E	9	2	30	1.3	1600	<1	390	11	29	768	50	3700	12	7.1	2.5
ON	950E	2	3	30	0.1	1000	<1	830	42	6	73	50	2190	4	2.3	0.9
ON	975E	6	3	5	0.2	1020	<1	930	17	<5	26	50	190	2	1	<0.5
ON	1000E	6	4	5	0.5	970	<1	310	7	13	35	50	210	49	24	12.1
Line 200N																
200N	750W	18	21	5	1.5	570	<1	450	4	38	128	200	270	12	5.6	2.9
200N	725W	12	29	5	0.2	670	<1	580	4	39	67	100	130	13	6.8	3.4
200N	700W	6	47	5	0.2	760	<1	470	5	50	90	100	230	26	13	7.6
200N	675W	6	42	5	0.3	650	<1	260	7	55	108	300	350	48	27.2	10.4
200N	650W	8	12	5	0.2	310	<1	620	17	<5	16	50	3220	8	4.2	2.6

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
ON	100W	8	22	21	8	174	<5	<0.5	47	7290	5	<1	10	<1	71	<1	10
ON	75W	5	56	23	7	160	<5	<0.5	68	11900	10	<1	12	<1	54	<1	14
ON	50W	7	55	32	7	162	6	<0.5	89	11100	20	<1	16	<1	22	<1	9
ON	25W	3	31	12	5	181	<5	<0.5	40	7690	10	<1	7	<1	36	<1	8
ON	0E	8	5	1	<5	143	29	<0.5	7	7150	20	<1	2	<1	18	2	<5
ON	25E	13	7	12	6	115	21	1.4	19	10800	10	<1	5	<1	31	1	<5
ON	50E	9	1	1	7	137	18	<0.5	2	9340	5	<1	1	<1	33	<1	<5
ON	75E	8	1	1	<5	117	10	<0.5	1	10600	5	<1	1	<1	53	<1	<5
ON	100E	11	2	5	23	563	13	<0.5	6	22600	5	<1	2	<1	30	2	<5
ON	125E	5	16	12	12	213	8	<0.5	33	5720	5	<1	7	<1	26	<1	7
ON	150E	56	7	14	7	190	107	1.4	22	51300	20	<1	6	<1	27	13	14
ON	175E	37	7	9	<5	449	26	<0.5	15	28500	30	<1	4	<1	14	4	<5
ON	200E	8	16	12	<5	263	7	<0.5	35	7330	20	<1	7	<1	6	1	6
ON	225E	4	7	1	<5	249	<5	<0.5	8	1370	10	<1	2	<1	23	<1	8
ON	250E	15	2	3	<5	575	22	<0.5	4	26900	20	<1	2	<1	15	3	9
ON	275E	7	9	6	<5	322	10	<0.5	17	7610	20	<1	4	<1	<5	2	<5
ON	300E	5	9	2	<5	231	<5	<0.5	13	3940	20	<1	3	<1	8	<1	13
ON	325E	6	3	<1	9	217	<5	<0.5	2	3990	10	<1	1	<1	102	<1	6
ON	350E	20	7	9	<5	190	<5	<0.5	17	4660	40	<1	4	<1	45	<1	26
ON	375E	2	37	5	<5	347	<5	<0.5	46	7850	40	<1	6	<1	29	<1	41
ON	400E	2	13	3	<5	309	7	<0.5	19	4530	20	<1	4	<1	21	1	<5
ON	425E	37	44	49	7	647	<5	<0.5	107	29600	20	<1	22	<1	49	<1	20
ON	450E	8	11	5	<5	198	<5	<0.5	14	5870	5	<1	3	<1	34	<1	8
ON	475E	8	11	4	<5	181	<5	<0.5	13	6480	20	<1	3	<1	26	<1	9
ON	500E	6	15	6	<5	268	<5	<0.5	20	7280	5	<1	4	<1	15	<1	6
ON	525E	10	6	6	5	279	<5	<0.5	12	7180	20	<1	4	<1	16	<1	11
ON	550E	3	29	15	<5	359	<5	<0.5	58	5930	10	<1	10	<1	28	<1	6
ON	575E	6	26	11	<5	216	<5	<0.5	32	9970	20	<1	6	<1	60	<1	28
ON	600E	10	18	10	<5	309	11	<0.5	32	14200	10	<1	6	<1	89	2	8
ON	625E	38	2	3	<5	454	143	<0.5	5	158242	5	<1	2	<1	16	20	<5
ON	650E																
ON	675E																
ON	700E																
ON	725E																
ON	750E	7	<1	<1	<5	252	37	<0.5	<1	10700	5	<1	<1	<1	<5	1	<5
ON	775E	3	6	1	8	304	6	<0.5	10	2040	5	<1	3	<1	<5	<1	<5
ON	800E	5	14	7	6	220	<5	<0.5	25	3840	10	<1	5	<1	7	<1	<5
ON	825E	5	1	<1	<5	486	14	<0.5	<1	17700	20	<1	<1	<1	5	1	<5
ON	850E	7	8	3	<5	216	11	<0.5	12	5460	30	<1	3	<1	13	<1	<5
ON	875E	12	13	10	<5	228	21	<0.5	27	8280	20	<1	6	<1	5	2	5
ON	900E	29	1	<1	<5	386	19	0.6	2	30000	20	<1	1	<1	8	3	5
ON	925E	16	13	8	6	212	47	<0.5	25	6630	70	<1	5	<1	30	9	5
ON	950E	9	5	<1	<5	454	92	<0.5	7	22000	20	<1	2	<1	5	8	<5
ON	975E	17	3	<1	<5	499	10	<0.5	3	24000	5	<1	2	<1	28	2	<5
ON	1000E	3	56	19	<5	275	<5	<0.5	67	5820	30	<1	10	<1	16	<1	23
Line 200N																	
200N	750W	15	14	12	<5	131	6	<0.5	29	4490	10	<1	5	<1	70	<1	9
200N	725W	12	16	13	<5	95	<5	<0.5	31	5960	20	<1	6	<1	42	<1	6
200N	700W	15	34	32	<5	73	<5	<0.5	74	7280	20	<1	14	<1	68	<1	9
200N	675W	20	50	30	<5	227	<5	0.9	80	9340	20	<1	14	<1	28	<1	36
200N	650W	9	10	6	<5	62	<5	<0.5	19	6760	5	<1	3	<1	42	<1	<5

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
ON	100W	17	<1	720	<1	3	5	5.4	27	<0.5	2	<1	83	6	<20	<5
ON	75W	30	<1	970	<1	8	5	3.3	4	<0.5	12	<1	266	18	70	<5
ON	50W	35	<1	890	<1	8	5	6.7	6	<0.5	13	<1	267	15	<20	5
ON	25W	18	<1	950	<1	5	5	2.4	<3	<0.5	11	<1	141	9	<20	<5
ON	0E	3	<1	1070	<1	<1	5	2.3	6	<0.5	6	<1	33	2	40	<5
ON	25E	6	<1	890	2	1	5	5.2	9	<0.5	8	<1	35	2	<20	<5
ON	50E	1	<1	1030	<1	<1	5	1.6	5	<0.5	15	<1	9	<1	30	<5
ON	75E	1	<1	930	<1	<1	5	1.6	5	<0.5	12	<1	9	<1	<20	<5
ON	100E	2	<1	2510	<1	<1	5	2.2	22	<0.5	16	2	11	<1	40	6
ON	125E	12	<1	1360	<1	2	5	3.4	6	<0.5	10	<1	69	4	60	<5
ON	150E	6	<1	1840	<1	1	5	2.2	42	<0.5	16	20	51	6	90	<5
ON	175E	5	<1	2050	<1	1	5	1.6	23	<0.5	22	2	43	4	20	<5
ON	200E	13	<1	1150	<1	2	5	5.7	8	<0.5	4	<1	72	5	40	<5
ON	225E	5	<1	690	<1	1	5	0.8	13	<0.5	4	<1	34	3	<20	<5
ON	250E	2	<1	2160	<1	<1	5	0.9	55	<0.5	14	<1	8	<1	90	<5
ON	275E	7	<1	1050	<1	1	5	4.2	11	<0.5	2	<1	42	3	<20	<5
ON	300E	6	<1	480	<1	2	5	1	34	<0.5	2	<1	43	4	30	<5
ON	325E	2	<1	1050	<1	<1	5	1	9	<0.5	6	<1	15	1	<20	<5
ON	350E	6	<1	520	<1	1	5	4	137	<0.5	4	<1	32	3	50	6
ON	375E	26	<1	540	<1	7	5	1.5	4	<0.5	10	<1	147	15	30	<5
ON	400E	9	<1	990	<1	2	5	1.2	4	<0.5	<1	4	67	4	<20	<5
ON	425E	35	<1	1810	<1	6	5	3.6	39	<0.5	16	<1	188	12	420	10
ON	450E	7	<1	860	<1	2	5	1.1	14	<0.5	4	<1	49	4	<20	<5
ON	475E	7	<1	780	<1	2	5	1.4	36	<0.5	5	<1	54	5	<20	<5
ON	500E	10	<1	940	<1	2	5	1	5	<0.5	6	<1	61	4	<20	<5
ON	525E	5	<1	930	<1	<1	5	1.8	8	<0.5	7	<1	26	3	<20	<5
ON	550E	22	<1	1110	<1	4	5	2.1	4	<0.5	2	<1	126	7	50	<5
ON	575E	16	<1	610	<1	5	5	2.4	26	<0.5	8	<1	143	12	30	<5
ON	600E	12	<1	1170	<1	3	5	3.5	38	<0.5	2	2	111	7	<20	6
ON	625E	2	<1	1590	<1	<1	5	<0.5	13	0.5	31	11	16	1	110	<5
ON	650E															
ON	675E															
ON	700E															
ON	725E															
ON	750E	<1	<1	1380	<1	<1	5	<0.5	8	<0.5	5	<1	<5	<1	<20	<5
ON	775E	5	<1	1290	<1	<1	5	1.6	7	<0.5	2	<1	20	1	<20	<5
ON	800E	10	<1	1030	<1	2	5	1.9	6	<0.5	2	<1	61	3	<20	<5
ON	825E	<1	<1	1940	<1	<1	5	<0.5	12	<0.5	4	<1	6	<1	50	<5
ON	850E	5	<1	860	<1	1	5	2.6	14	<0.5	3	<1	52	3	20	<5
ON	875E	9	<1	900	<1	2	5	5.9	7	<0.5	3	<1	76	5	220	<5
ON	900E	1	<1	1670	<1	<1	5	0.9	18	<0.5	4	<1	8	1	110	<5
ON	925E	9	<1	840	<1	2	5	6.5	5	<0.5	5	<1	75	7	50	<5
ON	950E	3	<1	1510	<1	<1	5	<0.5	16	<0.5	15	<1	37	2	30	<5
ON	975E	1	<1	1710	<1	<1	5	0.5	18	<0.5	3	3	14	<1	40	46
ON	1000E	36	<1	830	<1	9	5	1.1	4	<0.5	12	<1	238	16	70	<5
Line 200N																
200N	750W	10	<1	730	<1	2	5	3.8	50	<0.5	12	<1	56	4	70	7
200N	725W	11	<1	570	<1	2	5	1.7	7	<0.5	13	<1	65	5	90	6
200N	700W	25	<1	530	<1	5	5	1.2	19	<0.5	16	<1	149	9	60	8
200N	675W	32	<1	760	<1	8	5	2.9	392	<0.5	16	<1	249	20	120	25
200N	650W	7	<1	560	<1	1	5	<0.5	4	<0.5	23	<1	55	3	50	<5

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
200N	625W	7	42	10	0.4	1430	<1	300	8	90	169	400	360	37	20.5	9.8
200N	600W	8	48	10	0.2	1220	<1	300	12	51	158	200	560	20	10	6.1
200N	575W	5	124	20	0.1	850	<1	300	4	133	187	400	310	45	25.4	9.7
200N	550W	5	76	20	<0.1	1280	<1	450	11	37	160	400	90	10	5.3	2.2
200N	525W	4	94	40	<0.1	1250	<1	330	8	110	216	600	260	35	19.3	8.1
200N	500W	24	22	5	0.3	1100	<1	640	3	38	199	200	1210	17	8.8	5.5
200N	475W	11	30	5	0.3	580	<1	520	5	40	74	200	520	26	13.2	6.9
200N	450W	31	75	30	0.1	760	<1	470	21	64	182	400	290	23	11.8	5.7
200N	425W	21	64	30	0.2	890	<1	430	25	39	153	400	170	4	2.3	1.3
200N	400W	15	65	30	0.3	1020	<1	410	22	43	166	400	200	7	3.4	1.9
200N	375W	12	18	5	0.4	1200	<1	480	20	20	160	50	230	4	2.1	1.4
200N	350W	16	9	10	0.4	860	<1	530	10	32	357	100	4670	8	4.4	2.6
200N	325W	14	21	5	0.2	810	<1	520	10	19	52	100	170	15	7.5	3.9
200N	300W	12	38	5	0.1	840	<1	470	10	28	54	50	110	14	7.2	3.5
200N	275W	19	35	5	0.4	1020	<1	350	3	41	59	200	300	23	11.7	5.9
200N	250W	17	55	5	0.2	810	<1	320	4	62	178	300	180	16	7.9	3.9
200N	225W	22	6	20	1.8	790	<1	590	3	29	839	50	2340	8	4.2	2.1
200N	200W	15	5	10	5	680	<1	540	4	25	791	50	2550	12	6.1	2.7
200N	175W	8	6	30	0.4	810	<1	620	3	30	497	50	2360	6	2.9	1.9
200N	150W	9	8	30	0.5	980	<1	520	3	28	551	50	1970	6	3.4	2.1
200N	125W	15	9	5	0.3	700	<1	620	7	6	38	50	260	4	2	1.2
200N	100W	10	17	5	0.2	760	<1	580	6	53	141	100	100	14	6.5	3.8
200N	75W	14	24	5	0.4	700	<1	400	2	75	160	300	360	36	17.9	8.8
200N	50W	5	30	5	0.2	990	<1	480	6	53	125	200	40	15	8.7	3.3
200N	25W	22	5	5	0.9	980	<1	610	4	<5	90	50	310	4	1.9	1.3
200N	0E	10	14	5	0.6	1120	<1	560	4	52	64	300	170	60	31.8	12.9
200N	25E	3	11	40	4.4	870	<1	600	5	58	686	200	1470	6	3.4	1.8
200N	50E	0.5	2	10	<0.1	220	<1	490	2	<5	87	50	830	<1	<0.5	<0.5
200N	75E	10	2	5	0.5	190	<1	440	17	<5	118	50	2330	2	1.6	<0.5
200N	100E	13	2	20	0.6	180	<1	350	5	<5	147	50	2350	2	1.5	0.6
200N	125E	10	4	70	0.7	340	<1	410	3	7	96	50	830	3	1.8	1.1
200N	150E	9	19	5	0.2	710	<1	370	4	37	140	50	120	6	2.8	1.6
200N	175E	24	11	5	0.9	1430	<1	400	8	89	449	50	160	15	8	2.9
200N	200E	14	20	5	0.7	1230	<1	300	6	64	113	100	160	17	8.6	4
200N	225E	9	13	5	0.4	1350	<1	210	4	66	141	50	130	13	6.1	3.3
200N	250E	17	10	5	1.2	1090	<1	270	4	47	225	100	240	30	15.4	6.2
200N	275E	11	14	5	0.6	1040	<1	250	3	62	156	100	170	20	10.3	4.5
200N	300E	15	5	5	1.2	1230	<1	290	1	21	103	50	220	25	12.4	6.2
200N	325E	10	24	5	0.4	980	<1	280	3	83	177	200	120	15	7.9	4
200N	350E	6	36	5	0.3	850	<1	200	7	48	196	100	70	10	5.7	2.3
200N	375E	13	4	5	0.5	690	<1	250	1	<5	18	50	170	10	5	2.3
200N	400E	11	8	5	0.4	1180	<1	400	6	13	77	100	100	15	8.7	3.2
200N	425E	9	8	5	0.3	870	<1	330	5	13	112	100	110	18	9.8	3.6
200N	450E	4	25	5	0.1	1090	<1	340	18	60	173	200	240	28	16.4	5.9
200N	475E	31	4	20	2.4	1650	<1	320	3	23	437	50	2140	23	12.2	5.4
200N	500E	0.5	4	60	0.2	430	<1	320	8	<5	293	50	1470	<1	0.5	<0.5
200N	525E	20	2	40	0.7	780	<1	300	2	20	102	50	980	6	2.8	1.8
200N	550E	7	5	60	0.2	820	<1	730	14	8	232	50	660	1	0.7	<0.5
200N	575E	2	10	110	0.5	770	<1	800	6	19	97	50	2600	5	2.8	1.5
200N	600E	1	3	30	<0.1	340	<1	390	2	<5	141	50	900	<1	<0.5	<0.5
200N	625E	3	20	5	0.3	560	<1	410	3	42	75	200	60	9	4.5	2.2



ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
200N	625W	29	42	45	8	227	<5	1.2	101	5400	30	<1	19	<1	32	<1	47
200N	600W	28	26	27	6	154	<5	1.1	63	4730	10	<1	12	<1	45	<1	26
200N	575W	62	45	46	13	149	<5	3.4	96	5310	40	<1	20	<1	108	<1	100
200N	550W	52	10	11	15	147	<5	3.4	20	2190	40	<1	4	<1	155	<1	47
200N	525W	70	37	36	19	170	<5	5	80	6610	40	<1	15	<1	77	1	81
200N	500W	20	23	20	10	107	9	0.7	44	5350	10	<1	8	<1	58	<1	25
200N	475W	23	33	30	8	149	<5	<0.5	66	12200	10	<1	12	<1	43	<1	21
200N	450W	59	29	37	18	129	<5	2.3	65	4830	20	<1	13	<1	137	<1	70
200N	425W	55	5	9	12	93	5	1.8	14	2230	20	<1	4	<1	106	<1	47
200N	400W	51	9	13	14	113	6	2.2	22	3630	20	<1	5	<1	197	<1	42
200N	375W	14	6	7	<5	56	6	<0.5	14	3260	10	<1	3	<1	121	<1	6
200N	350W	19	12	16	<5	72	21	<0.5	35	5260	10	<1	7	<1	13	<1	7
200N	325W	10	19	14	<5	135	<5	<0.5	34	5820	5	<1	6	<1	80	<1	7
200N	300W	8	17	15	<5	121	<5	<0.5	33	3830	10	<1	6	<1	59	<1	6
200N	275W	17	29	30	<5	156	<5	<0.5	63	5890	20	<1	12	<1	60	<1	12
200N	250W	22	18	22	<5	128	<5	<0.5	43	3870	30	<1	9	<1	119	<1	20
200N	225W	10	10	10	<5	96	31	<0.5	24	8490	5	<1	5	<1	17	1	6
200N	200W	7	14	7	6	81	23	<0.5	22	7060	10	<1	4	<1	31	1	5
200N	175W	23	8	14	6	73	13	0.6	27	7020	20	<1	6	<1	18	2	6
200N	150W	25	10	16	<5	102	21	0.6	32	7150	20	<1	7	<1	6	2	6
200N	125W	8	5	4	<5	79	<5	<0.5	10	5150	5	<1	2	<1	11	<1	6
200N	100W	10	19	18	<5	121	<5	<0.5	39	4350	20	<1	7	<1	53	<1	10
200N	75W	12	44	38	<5	164	<5	<0.5	85	6780	20	<1	15	<1	60	<1	18
200N	50W	11	16	13	<5	153	<5	<0.5	28	6270	30	<1	6	<1	90	<1	12
200N	25W	5	6	3	7	102	12	<0.5	9	4550	5	<1	2	<1	67	<1	7
200N	0E	7	66	34	12	172	6	<0.5	88	11900	20	<1	15	<1	64	<1	15
200N	25E	31	8	17	7	126	65	1.1	29	9310	30	4	7	<1	62	1	7
200N	50E	8	<1	<1	<5	116	18	<0.5	<1	8830	5	<1	<1	<1	7	1	<5
200N	75E	9	2	<1	<5	151	14	<0.5	1	14600	5	<1	<1	<1	27	3	<5
200N	100E	11	2	<1	<5	100	7	<0.5	2	6600	10	<1	<1	<1	25	3	<5
200N	125E	8	5	3	<5	155	11	<0.5	10	3420	5	<1	2	<1	36	2	6
200N	150E	12	7	7	<5	138	<5	<0.5	18	3150	10	<1	3	<1	66	<1	11
200N	175E	6	15	11	<5	257	<5	<0.5	26	7460	30	<1	5	<1	93	<1	22
200N	200E	11	19	16	<5	239	<5	<0.5	41	4840	30	<1	7	<1	47	<1	15
200N	225E	10	15	16	<5	246	<5	<0.5	38	4200	20	<1	7	<1	23	<1	14
200N	250E	5	31	14	<5	350	<5	<0.5	46	6460	40	<1	7	<1	40	<1	21
200N	275E	8	22	17	<5	292	<5	<0.5	42	5990	30	<1	7	<1	43	<1	18
200N	300E	4	31	16	6	401	<5	<0.5	92	8350	20	<1	8	<1	12	<1	10
200N	325E	15	18	21	<5	255	<5	<0.5	43	5650	30	<1	8	<1	17	<1	16
200N	350E	14	11	10	<5	210	<5	<0.5	22	6440	40	<1	4	<1	44	<1	16
200N	375E	5	12	5	<5	361	<5	<0.5	16	10400	10	<1	3	<1	27	<1	6
200N	400E	6	16	8	7	217	<5	<0.5	18	6500	20	<1	3	<1	49	<1	8
200N	425E	4	19	6	5	252	<5	<0.5	19	6260	30	<1	3	<1	59	<1	9
200N	450E	12	30	22	5	241	<5	<0.5	48	11300	20	<1	9	<1	122	<1	28
200N	475E	5	27	15	5	331	6	<0.5	43	9410	20	<1	7	<1	6	1	6
200N	500E	5	<1	<1	<5	333	22	<0.5	1	11600	10	<1	<1	<1	32	3	<5
200N	525E	7	8	8	<5	235	8	0.6	17	10900	5	<1	4	<1	56	1	5
200N	550E	20	2	5	<5	479	34	0.6	5	40600	5	<1	1	<1	22	4	<5
200N	575E	49	6	12	<5	439	20	0.7	17	33900	30	<1	4	<1	14	4	5
200N	600E	11	<1	2	<5	198	17	<0.5	3	15900	5	<1	<1	<1	7	1	<5
200N	625E	14	10	12	7	251	<5	<0.5	24	8890	20	<1	5	<1	66	<1	13

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
200N	625W	31	<1	1000	<1	6	5	5.3	469	<0.5	17	<1	206	15	180	37
200N	600W	20	<1	1010	<1	4	5	3.2	433	<0.5	10	<1	113	8	70	19
200N	575W	31	<1	680	<1	7	5	6.3	1170	<0.5	15	<1	260	19	110	40
200N	550W	7	<1	700	<1	2	5	2.4	1370	<0.5	6	<1	50	4	480	31
200N	525W	27	<1	750	<1	6	5	5.9	1500	<0.5	15	1	185	15	280	49
200N	500W	16	<1	670	<1	3	5	5.7	292	<0.5	21	<1	113	7	90	15
200N	475W	22	<1	580	<1	5	5	4.5	228	<0.5	40	<1	158	10	70	12
200N	450W	20	<1	540	<1	4	5	6.3	1060	<0.5	12	<1	133	9	310	31
200N	425W	4	<1	500	<1	<1	5	3.3	889	<0.5	5	<1	21	2	470	24
200N	400W	7	<1	570	<1	1	5	3.2	930	<0.5	8	<1	37	3	430	27
200N	375W	4	<1	680	<1	<1	5	2.3	28	<0.5	8	<1	23	2	510	<5
200N	350W	9	<1	460	<1	2	5	7	10	<0.5	10	<1	59	4	60	10
200N	325W	13	<1	700	<1	3	5	2.5	7	<0.5	21	<1	85	5	270	6
200N	300W	11	<1	610	<1	3	5	1.8	10	<0.5	9	<1	87	5	240	<5
200N	275W	21	<1	710	<1	4	5	3.5	17	<0.5	21	<1	128	8	80	9
200N	250W	14	<1	720	<1	3	5	4.2	68	<0.5	15	<1	84	6	110	12
200N	225W	7	<1	580	<1	1	5	4.7	<3	0.6	9	1	45	3	<20	<5
200N	200W	9	<1	530	<1	2	5	2.3	7	<0.5	8	1	64	4	30	<5
200N	175W	7	<1	490	<1	1	5	8.4	10	<0.5	16	<1	33	3	30	7
200N	150W	8	<1	530	<1	1	5	8.1	7	<0.5	18	<1	41	3	30	7
200N	125W	4	<1	570	<1	<1	5	2	<3	<0.5	14	<1	25	2	50	<5
200N	100W	13	<1	660	<1	3	5	4.4	8	<0.5	10	<1	74	5	60	<5
200N	75W	29	<1	670	<1	6	5	7.5	8	<0.5	19	<1	191	13	50	12
200N	50W	11	<1	800	<1	3	5	2.9	4	<0.5	8	<1	82	6	50	<5
200N	25W	4	<1	730	<1	<1	5	1.8	<3	<0.5	8	<1	21	1	30	<5
200N	0E	39	<1	760	<1	10	5	4.8	6	<0.5	24	1	305	25	50	8
200N	25E	7	<1	920	<1	1	5	12.3	16	<0.5	25	<1	34	3	70	9
200N	50E	<1	<1	1090	<1	<1	5	<0.5	6	<0.5	14	<1	<5	<1	110	<5
200N	75E	<1	<1	1060	<1	<1	5	<0.5	<3	0.5	11	<1	20	2	<20	<5
200N	100E	1	<1	660	<1	<1	5	<0.5	7	0.7	9	<1	17	1	20	6
200N	125E	3	<1	810	<1	<1	5	1.4	4	<0.5	7	<1	21	1	20	<5
200N	150E	6	<1	770	<1	1	5	3.3	39	<0.5	15	<1	28	2	40	7
200N	175E	10	<1	1280	<1	2	5	3.9	8	<0.5	10	<1	67	6	90	6
200N	200E	14	<1	860	<1	3	5	2.7	15	<0.5	10	<1	85	6	120	8
200N	225E	12	<1	820	<1	2	5	3.5	32	<0.5	7	<1	63	4	160	8
200N	250E	20	<1	950	<1	5	5	3.2	8	<0.5	16	<1	132	12	190	7
200N	275E	15	<1	760	<1	3	5	3.4	17	<0.5	9	<1	98	8	60	8
200N	300E	20	<1	1160	<1	5	5	3.7	12	<0.5	3	<1	134	9	40	<5
200N	325E	13	<1	890	<1	3	5	3.9	61	<0.5	8	<1	84	6	70	9
200N	350E	8	<1	630	<1	2	5	1.9	32	<0.5	4	<1	54	4	60	6
200N	375E	7	<1	850	<1	2	5	0.9	<3	<0.5	4	<1	56	4	40	<5
200N	400E	9	<1	1160	<1	3	5	2.2	<3	<0.5	5	1	85	7	130	<5
200N	425E	10	<1	910	<1	3	5	1.4	<3	<0.5	6	<1	91	7	90	<5
200N	450E	19	<1	880	<1	5	5	4.3	27	<0.5	11	<1	151	13	140	10
200N	475E	16	<1	900	<1	4	5	3.8	6	<0.5	3	3	126	10	30	<5
200N	500E	<1	<1	970	<1	<1	5	<0.5	8	<0.5	9	11	7	<1	30	<5
200N	525E	6	<1	840	<1	1	5	3	11	0.7	3	6	38	3	<20	<5
200N	550E	1	<1	1930	<1	<1	5	2.7	20	0.7	22	37	11	<1	50	<5
200N	575E	4	<1	1880	<1	<1	5	2.9	28	0.6	20	5	36	3	40	<5
200N	600E	<1	<1	900	<1	<1	5	0.8	11	<0.5	16	1	<5	<1	<20	<5
200N	625E	8	<1	1150	<1	2	5	6	5	<0.5	36	<1	45	4	<20	7

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
200N	650E	6	2	5	0.2	600	<1	740	7	7	38	50	300	2	0.9	0.8
200N	675E	11	7	20	0.8	820	<1	390	3	64	570	50	1280	11	5.2	3
200N	700E	33	4	5	0.5	760	<1	480	8	7	25	50	210	3	1.4	0.7
200N	725E	17	8	5	0.4	870	<1	500	5	20	56	100	200	16	8.8	2.8
200N	750E	7	16	5	0.4	820	<1	330	5	55	77	50	150	11	5.4	3
200N	775E	14	10	5	0.5	1140	<1	450	4	12	87	100	160	6	2.9	1.2
200N	800E	5	2	30	1	1140	<1	310	5	55	447	100	2340	9	5.9	2.7
200N	825E	13	2	20	0.7	820	<1	290	6	49	514	50	2050	6	3.8	2.1
200N	850E	4	4	10	0.7	950	<1	410	8	18	181	50	820	8	4.4	2.1
200N	875E	1	2	80	0.1	690	<1	540	5	12	283	50	1060	<1	0.7	0.5
200N	900E	47	4	5	2.1	1070	<1	440	2	44	419	50	430	9	4.1	2.5
200N	925E	142	6	5	0.3	900	<1	450	5	15	53	50	120	18	10	3.1
200N	950E	37	5	5	1	1920	<1	510	3	22	43	50	360	8	3.5	2
200N	975E	18	2	10	0.7	1300	<1	520	4	25	313	50	1510	6	3.3	1.5
200N	1000E	2	2	10	0.2	740	<1	500	3	14	228	50	930	2	1	<0.5
Line 400N																
400N	750W	2	70	5	<0.1	1040	<1	400	6	41	138	100	560	19	13.3	4
400N	725W	8	1	10	0.3	540	<1	370	2	<5	179	100	2900	1	1	<0.5
400N	700W	5	15	10	0.4	610	<1	530	3	16	314	200	2200	6	3.8	1.6
400N	675W	5	53	10	0.2	410	<1	440	1	36	73	200	310	16	9.1	4.3
400N	650W	5	32	10	0.5	790	<1	410	2	13	82	300	540	19	12.6	3.4
400N	625W	6	76	20	0.3	780	<1	280	3	62	160	400	110	17	9.8	4.4
400N	600W	8	60	30	0.4	1270	<1	210	6	45	405	500	280	6	3.5	1.7
400N	575W	9	18	30	0.3	640	<1	200	3	89	1560	400	840	5	3.1	1.4
400N	550W	5	13	10	0.2	740	<1	310	12	8	187	300	210	13	9.4	1.9
400N	525W	13	32	20	0.8	770	<1	170	3	66	1080	300	300	5	2.9	1.2
400N	500W	10	73	20	0.4	800	<1	240	10	49	212	300	210	5	2.8	1.5
400N	475W	24	9	10	1.3	1130	<1	290	4	21	1220	300	340	12	9.8	1.4
400N	450W	10	44	10	0.2	1160	<1	280	9	43	167	300	210	12	6.3	3.2
400N	425W	10	56	20	0.4	390	<1	160	8	107	1720	300	880	9	5.1	2.5
400N	400W	17	65	20	0.4	330	<1	210	3	116	632	200	380	4	2	1.3
400N	375W	10	26	20	0.4	500	<1	180	3	134	880	300	710	10	5.4	3.1
400N	350W	11	24	20	0.3	1050	<1	200	3	96	1610	300	560	8	4.8	2
400N	325W	13	5	10	0.6	510	<1	210	5	13	221	200	210	19	10.7	3.8
400N	300W	10	25	20	0.7	910	<1	230	5	105	1310	300	570	3	1.6	1
400N	275W	14	4	20	1.5	710	<1	230	6	26	1270	200	780	10	6.8	1.9
400N	250W	4	51	40	0.2	780	<1	160	15	29	1190	300	2580	3	2.3	0.9
400N	225W	2	30	10	0.2	2160	<1	210	10	35	172	400	470	32	23.2	4.7
400N	200W	6	7	20	0.4	980	<1	260	10	18	1500	300	1400	3	2.2	0.6
400N	175W	0.5	136	10	<0.1	1060	<1	180	17	42	607	200	940	30	24.2	4.1
400N	150W	2	69	5	<0.1	760	<1	210	57	6	154	100	360	17	14.3	1.5
400N	125W	6	15	10	0.3	670	<1	230	10	16	155	300	240	17	11.1	3.1
400N	100W	9	20	10	1.1	720	<1	200	8	35	382	300	260	26	16.8	4.6
400N	75W	1	22	10	<0.1	460	<1	250	26	16	293	200	150	7	4.8	1.1
400N	50W	34	26	20	0.3	510	<1	160	35	52	712	300	390	6	3.2	1.9
400N	25W	17	13	20	0.3	960	<1	530	39	26	244	200	170	7	3.9	1.7
400N	0E	3	68	5	<0.1	930	<1	370	151	35	34	100	240	25	18.1	5.2
400N	25E	7	20	10	0.1	2890	<1	220	9	25	82	300	340	20	13.2	2.8
400N	50E	2	7	10	0.2	1300	<1	230	9	32	378	200	130	10	6.4	2
400N	75E	9	17	20	0.5	1190	<1	210	4	109	1320	400	520	2	1.6	0.8
400N	100E	7	18	20	0.4	1180	<1	170	4	67	1010	300	540	3	2.3	0.9

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
200N	650E	10	3	4	<5	403	7	<0.5	7	44600	5	<1	1	<1	12	1	<5
200N	675E	10	15	19	<5	264	12	<0.5	42	15400	20	<1	8	<1	13	2	<5
200N	700E	4	3	2	<5	295	<5	<0.5	6	7260	5	<1	1	<1	54	<1	<5
200N	725E	5	15	10	<5	218	<5	<0.5	20	5690	30	<1	4	<1	39	<1	11
200N	750E	9	14	19	<5	250	<5	<0.5	35	4310	10	<1	7	<1	12	<1	12
200N	775E	7	6	5	<5	244	<5	<0.5	10	3460	20	<1	2	<1	31	<1	7
200N	800E	47	11	23	<5	215	35	<0.5	35	14400	70	<1	8	<1	40	10	17
200N	825E	42	8	18	<5	215	17	<0.5	28	6770	20	<1	6	<1	17	4	9
200N	850E	15	9	11	<5	268	9	<0.5	22	21200	10	<1	5	<1	7	1	5
200N	875E	95	1	7	<5	293	17	<0.5	6	38500	5	<1	2	<1	14	6	<5
200N	900E	6	12	16	6	277	<5	<0.5	28	5280	10	<1	6	<1	6	<1	<5
200N	925E	5	17	8	<5	192	<5	<0.5	18	8430	20	<1	3	<1	7	<1	12
200N	950E	6	11	11	<5	217	<5	<0.5	24	2970	5	<1	5	<1	<5	<1	<5
200N	975E	14	8	9	<5	173	7	<0.5	18	14800	5	<1	3	<1	<5	<1	<5
200N	1000E	20	2	5	<5	193	12	<0.5	7	5340	5	<1	2	<1	16	1	<5
Line 400N																	
400N	750W	10	17	14	<5	49	9	0.6	31	3820	30	<1	6	<1	78	<1	14
400N	725W	4	1	1	<5	37	14	<0.5	3	6550	20	<1	<1	<1	5	<1	5
400N	700W	8	7	7	<5	46	14	<0.5	16	6730	5	<1	3	<1	28	<1	7
400N	675W	11	18	16	<5	54	5	<0.5	36	6760	20	<1	7	<1	100	<1	11
400N	650W	5	17	11	<5	61	<5	<0.5	25	8690	10	<1	5	<1	7	<1	9
400N	625W	20	18	23	<5	82	<5	<0.5	44	5300	40	<1	9	<1	96	<1	26
400N	600W	43	7	14	<5	86	6	0.6	21	2310	30	<1	5	<1	56	<1	34
400N	575W	23	6	15	<5	90	11	<0.5	24	2290	5	<1	5	<1	37	<1	25
400N	550W	2	10	4	<5	101	<5	<0.5	9	8240	20	<1	2	<1	29	<1	9
400N	525W	12	5	9	<5	114	<5	<0.5	14	2800	20	<1	3	<1	91	<1	17
400N	500W	27	5	8	<5	75	5	0.6	15	2460	50	<1	3	<1	76	<1	26
400N	475W	2	9	6	<5	111	<5	<0.5	12	6280	20	<1	2	<1	84	<1	13
400N	450W	15	14	15	<5	105	<5	<0.5	32	2960	60	<1	6	<1	78	<1	16
400N	425W	52	10	24	<5	76	10	1	39	2050	20	<1	9	<1	33	1	38
400N	400W	19	5	10	<5	76	<5	<0.5	16	1020	30	<1	4	<1	38	<1	16
400N	375W	28	13	33	<5	91	<5	0.6	54	1950	10	<1	12	<1	36	<1	22
400N	350W	12	9	20	<5	123	<5	<0.5	29	5660	20	<1	7	<1	20	<1	16
400N	325W	2	20	8	<5	171	<5	<0.5	22	8700	20	<1	3	<1	12	<1	15
400N	300W	27	4	11	<5	86	6	<0.5	16	3100	5	<1	4	<1	35	<1	19
400N	275W	3	10	11	<5	138	<5	<0.5	19	9460	5	<1	4	<1	14	<1	14
400N	250W	37	4	8	<5	60	9	0.6	13	2950	5	<1	3	<1	63	24	27
400N	225W	5	25	13	<5	96	<5	<0.5	29	9210	50	<1	5	<1	16	<1	26
400N	200W	5	3	5	<5	85	5	<0.5	9	5340	5	<1	2	<1	18	1	10
400N	175W	40	19	13	<5	88	<5	0.5	31	3460	60	<1	6	<1	65	<1	72
400N	150W	4	9	3	<5	42	<5	<0.5	8	7300	40	<1	1	<1	13	<1	13
400N	125W	4	15	7	<5	138	<5	<0.5	18	7060	20	<1	3	<1	22	<1	14
400N	100W	6	23	15	<5	146	<5	<0.5	35	8060	20	<1	6	<1	26	<1	25
400N	75W	6	6	5	<5	93	<5	<0.5	9	13000	20	<1	2	<1	56	<1	11
400N	50W	22	7	14	<5	97	7	<0.5	25	3920	20	<1	5	<1	71	<1	17
400N	25W	7	8	8	7	101	13	<0.5	16	8780	30	<1	3	<1	38	<1	10
400N	0E	8	24	18	<5	46	<5	<0.5	42	7320	20	<1	8	<1	195	<1	22
400N	25E	3	16	8	<5	93	<5	<0.5	18	7970	40	<1	3	<1	51	<1	16
400N	50E	6	10	8	7	151	<5	<0.5	17	9030	30	<1	3	<1	52	<1	13
400N	75E	14	3	8	<5	106	6	<0.5	12	3330	5	<1	3	<1	39	<1	16
400N	100E	10	4	10	<5	111	6	<0.5	15	3920	5	<1	4	<1	49	<1	14

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
200N	650E	2	<1	1610	<1	<1	5	0.8	9	<0.5	5	3	14	<1	<20	<5
200N	675E	12	<1	1000	<1	2	5	9.5	14	<0.5	7	9	57	4	<20	6
200N	700E	2	<1	1060	<1	<1	5	3.1	<3	<0.5	6	<1	14	1	<20	<5
200N	725E	8	<1	1170	<1	3	5	2.7	<3	<0.5	13	<1	76	7	<20	<5
200N	750E	11	<1	850	<1	2	5	4.6	<3	<0.5	8	<1	56	4	<20	6
200N	775E	4	<1	1120	<1	<1	5	2.5	<3	<0.5	9	<1	29	2	40	<5
200N	800E	9	<1	780	<1	2	5	10.4	5	<0.5	9	3	52	6	<20	9
200N	825E	7	<1	700	<1	1	5	6.4	11	<0.5	3	<1	42	4	<20	9
200N	850E	7	<1	910	<1	1	5	1.8	<3	<0.5	8	<1	47	4	<20	<5
200N	875E	1	<1	950	<1	<1	5	<0.5	26	0.6	47	3	7	<1	20	<5
200N	900E	9	4	1030	<1	2	5	3.2	<3	<0.5	3	<1	41	3	<20	<5
200N	925E	9	<1	1090	<1	3	5	<0.5	<3	<0.5	5	<1	91	7	240	<5
200N	950E	8	<1	1050	<1	2	5	4.2	<3	<0.5	3	<1	41	3	30	6
200N	975E	6	<1	910	<1	1	5	2.6	6	<0.5	2	<1	43	3	<20	5
200N	1000E	2	<1	950	<1	<1	5	2.6	6	<0.5	5	<1	9	1	<20	<5
Line 400N																
400N	750W	11	<1	460	<1	3	5	2.6	29	<0.5	18	<1	124	11	90	11
400N	725W	<1	<1	570	<1	<1	5	1.1	5	<0.5	4	<1	8	1	30	<5
400N	700W	5	<1	540	<1	<1	5	2.1	16	<0.5	40	<1	32	4	20	6
400N	675W	12	<1	430	<1	3	5	2.2	39	<0.5	60	<1	92	7	<20	14
400N	650W	9	<1	410	<1	3	5	1.1	13	<0.5	23	<1	96	11	40	6
400N	625W	14	<1	360	<1	3	5	4.2	103	<0.5	20	<1	90	8	50	23
400N	600W	6	<1	440	<1	1	5	6.3	220	<0.5	10	<1	31	3	170	23
400N	575W	5	<1	440	<1	<1	5	6.5	73	<0.5	11	<1	27	3	<20	15
400N	550W	4	<1	670	<1	2	5	<0.5	12	<0.5	5	<1	63	8	270	<5
400N	525W	4	<1	430	<1	<1	5	4.2	68	<0.5	7	<1	24	2	<20	13
400N	500W	4	<1	420	<1	<1	5	4.1	178	<0.5	8	<1	26	2	650	21
400N	475W	4	<1	680	<1	2	5	1	9	<0.5	7	<1	51	9	<20	<5
400N	450W	10	<1	570	<1	2	5	2.6	93	<0.5	7	<1	59	5	390	19
400N	425W	9	<1	370	<1	2	5	6	169	<0.5	13	<1	46	4	50	21
400N	400W	4	<1	520	<1	<1	5	4.9	79	<0.5	7	<1	19	2	50	18
400N	375W	12	<1	520	<1	2	5	10.9	114	<0.5	14	1	54	5	<20	23
400N	350W	7	<1	610	<1	1	5	3.9	78	<0.5	8	<1	40	4	30	9
400N	325W	10	<1	530	<1	3	5	0.9	10	<0.5	8	<1	86	8	30	<5
400N	300W	4	<1	520	<1	<1	5	4.8	110	<0.5	5	<1	16	2	30	15
400N	275W	6	<1	560	<1	2	5	1.7	14	<0.5	9	<1	47	7	<20	<5
400N	250W	3	<1	520	<1	<1	5	2.4	121	<0.5	8	<1	19	2	90	12
400N	225W	13	<1	520	<1	5	5	1.1	28	<0.5	7	<1	163	19	60	5
400N	200W	2	<1	800	<1	<1	5	0.8	9	<0.5	3	<1	15	2	90	<5
400N	175W	11	<1	610	<1	4	5	6.9	184	<0.5	12	<1	198	21	370	24
400N	150W	4	<1	530	<1	2	5	<0.5	10	<0.5	1	<1	105	13	560	<5
400N	125W	8	<1	530	<1	3	5	0.9	22	<0.5	7	<1	82	9	130	5
400N	100W	14	<1	520	<1	4	5	2.2	41	<0.5	12	<1	134	14	130	9
400N	75W	3	<1	420	<1	1	5	0.6	30	<0.5	4	<1	34	4	280	<5
400N	50W	6	<1	300	<1	1	5	2.8	63	<0.5	11	<1	32	3	320	16
400N	25W	5	<1	570	<1	1	5	3	15	<0.5	11	<1	37	3	280	9
400N	0E	14	<1	470	<1	4	5	2.1	23	<0.5	18	<1	179	15	760	14
400N	25E	7	<1	520	<1	3	5	0.5	17	<0.5	3	<1	95	11	40	<5
400N	50E	6	<1	550	<1	2	5	1.3	44	<0.5	3	<1	48	6	130	<5
400N	75E	3	<1	560	<1	<1	5	4.9	42	<0.5	8	1	13	1	<20	11
400N	100E	3	<1	430	<1	<1	5	2.6	53	<0.5	7	<1	17	2	30	9

ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
400N	125E	13	6	20	0.9	720	<1	200	6	42	1580	200	470	3	1.8	0.6
400N	150E	8	24	10	0.3	1370	<1	220	5	58	290	200	110	9	5.3	2.1
400N	175E	13	26	5	0.7	900	<1	230	5	205	1110	200	300	5	2.6	1.8
400N	200E	16	22	5	0.5	1090	<1	290	6	60	1420	300	240	7	4.5	1.3
400N	225E	16	16	5	0.5	2070	<1	320	6	49	223	200	250	18	11.4	2.8
400N	250E	15	15	5	0.3	1570	<1	380	10	18	131	100	250	7	4.1	1.4
400N	275E	9	29	5	0.1	1060	<1	370	6	20	97	200	130	6	3.6	1.1
400N	300E	16	18	5	0.7	870	<1	280	5	16	147	200	330	13	8.3	2.4
400N	325E	7	8	5	1.3	860	<1	200	6	81	676	200	260	12	7.7	4.3
400N	350E	10	10	5	0.3	490	<1	220	9	15	253	50	110	7	3.9	1.5
400N	375E	13	26	5	0.2	1290	<1	360	6	44	43	100	170	13	7.5	2.4
400N	400E	17	12	5	1	1070	<1	430	4	21	819	300	230	11	8.2	1.4
400N	425E	13	15	5	0.4	990	<1	460	2	15	115	200	110	10	6.7	1.3
400N	450E	15	13	5	0.6	1560	<1	730	2	17	54	100	180	12	6.1	3.1
400N	475E	10	8	5	2.9	770	<1	470	4	12	23	50	190	12	6.3	3.8
400N	500E	9	3	20	0.6	180	<1	380	10	<5	29	50	1020	2	1.4	<0.5
400N	525E	13	7	5	0.6	1070	<1	450	3	7	54	100	230	12	8	2
400N	550E	21	23	5	0.3	600	<1	330	8	18	159	200	310	15	9.3	2.7
400N	575E	25	6	5	1.7	670	<1	270	8	7	97	100	250	36	23.8	5.2
400N	600E	16	43	5	0.3	790	<1	280	20	30	319	100	330	8	5.2	1.9
400N	625E	10	19	5	0.2	810	<1	320	3	20	87	100	120	9	4.8	1.7
400N	650E	14	2	10	0.7	640	<1	500	8	<5	224	50	2560	20	21.5	1.6
400N	675E	15	4	5	0.3	1020	<1	460	5	6	107	50	590	7	5.5	1
400N	700E	8	2	5	0.5	3060	<1	600	7	<5	58	50	170	8	5.3	1.1
400N	725E	14	13	5	0.4	1150	<1	390	2	8	33	50	260	10	5.8	1.8
400N	750E	16	<1	5	1.4	980	<1	300	5	15	139	50	290	75	45.5	13.3
400N	775E	6	8	5	<0.1	580	<1	240	4	13	81	50	40	4	2.5	0.7
400N	800E	12	20	10	0.4	850	<1	420	8	25	158	100	340	12	7.3	2.6
400N	825E	15	11	5	0.3	710	<1	520	2	20	184	200	330	10	7	1.4
400N	850E	9	9	5	0.1	840	<1	620	9	10	65	50	100	7	4.6	1.9
400N	875E	9	3	10	2.7	580	<1	650	5	<5	62	50	1110	14	8.7	2.9
400N	900E	4	1	5	<0.1	630	<1	500	14	5	108	50	70	14	10.6	1.5
400N	925E	0.5	1	5	0.2	250	<1	350	8	<5	143	50	1110	<1	<0.5	<0.5
400N	950E	3	<1	5	1.2	390	<1	440	7	<5	224	50	7160	<1	0.7	<0.5
400N	975E	6	2	5	0.4	120	<1	210	3	<5	22	50	560	1	0.8	<0.5
400N	1000E	26	2	5	2.5	990	<1	590	5	7	199	50	380	4	2.2	0.6
Line 600N																
600N	200W	20	56	5	0.5	1040	<1	190	5	110	315	200	550	16	8.4	4.6
600N	175W	10	68	5	0.3	1750	<1	220	24	44	143	100	170	16	9.5	2.8
600N	150W	15	37	5	0.2	800	<1	250	14	44	35	100	220	23	12	5.9
600N	125W	4	61	5	0.3	850	<1	320	14	33	148	200	190	17	11.2	4
600N	100W	14	11	5	0.8	440	<1	560	11	10	39	50	1050	17	8.9	6
600N	75W	12	66	5	0.3	320	<1	450	31	21	79	50	540	7	4.5	2.3
600N	50W	18	32	5	0.7	1050	<1	350	8	42	71	200	190	17	8.7	4.3
600N	25W	3	65	5	0.1	920	<1	510	14	43	141	50	230	26	16.4	5.4
600N	0E	7	75	5	0.2	770	<1	240	17	124	145	200	500	71	40	17.9
600N	25E	4	9	5	0.2	3440	<1	400	6	74	40	50	70	22	11.1	7.8
600N	50E	7	23	5	0.6	590	<1	190	6	70	106	100	490	57	31.4	14.7
600N	75E	9	13	5	0.5	750	<1	300	11	58	1060	100	900	14	8.5	3.8
600N	100E	12	9	5	0.4	330	<1	230	8	37	270	50	600	18	8.9	6.4
600N	125E	11	29	5	0.6	980	<1	220	8	155	1370	300	520	11	6	3

ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
400N	125E	3	3	6	<5	132	<5	<0.5	9	5490	5	<1	2	<1	29	<1	11
400N	150E	7	9	11	<5	111	<5	<0.5	20	4470	30	<1	4	<1	62	<1	13
400N	175E	20	7	15	<5	137	<5	<0.5	26	3110	10	<1	6	<1	61	<1	23
400N	200E	7	6	8	<5	137	<5	<0.5	16	5610	20	<1	4	<1	55	<1	16
400N	225E	4	15	10	<5	175	<5	<0.5	24	5650	40	<1	4	<1	67	<1	25
400N	250E	4	6	4	<5	181	<5	<0.5	11	3890	20	<1	2	<1	115	<1	13
400N	275E	5	5	4	<5	156	<5	<0.5	10	4950	10	<1	2	<1	58	<1	13
400N	300E	4	12	7	<5	161	<5	<0.5	17	4980	10	<1	3	<1	31	<1	18
400N	325E	4	19	58	<5	199	5	<0.5	76	13500	10	<1	17	<1	28	<1	23
400N	350E	5	7	6	<5	227	<5	<0.5	14	8240	5	<1	3	<1	11	<1	17
400N	375E	4	13	11	<5	139	<5	<0.5	24	5160	20	<1	5	<1	117	<1	15
400N	400E	3	8	5	<5	161	16	0.5	12	5710	10	<1	2	<1	42	<1	19
400N	425E	3	7	3	6	156	6	<0.5	9	6320	20	<1	2	<1	67	<1	15
400N	450E	6	14	11	5	115	8	<0.5	26	9720	5	<1	5	<1	8	<1	13
400N	475E	6	16	12	<5	137	6	<0.5	36	21600	5	<1	6	<1	30	<1	12
400N	500E	2	<1	<1	<5	101	6	<0.5	<1	8990	5	<1	<1	<1	32	<1	<5
400N	525E	2	11	5	6	160	<5	<0.5	14	6990	5	<1	2	<1	33	<1	12
400N	550E	6	13	9	<5	156	<5	<0.5	23	7500	30	<1	4	<1	38	<1	13
400N	575E	1	29	6	<5	206	<5	<0.5	20	17500	30	<1	3	<1	10	<1	18
400N	600E	13	8	8	<5	117	<5	<0.5	19	3340	20	<1	4	<1	41	<1	20
400N	625E	3	8	6	<5	138	<5	<0.5	14	3450	10	<1	3	<1	12	<1	12
400N	650E	2	11	1	6	116	<5	<0.5	6	15300	5	<1	<1	<1	23	<1	9
400N	675E	2	6	2	<5	136	<5	<0.5	6	6680	5	<1	1	<1	20	<1	9
400N	700E	2	7	2	8	150	<5	<0.5	8	14700	5	<1	1	<1	8	<1	10
400N	725E	3	9	6	<5	130	<5	<0.5	15	4880	5	<1	3	<1	26	<1	11
400N	750E	1	69	13	<5	358	<5	<0.5	42	15200	30	<1	6	<1	9	<1	26
400N	775E	2	4	1	<5	156	<5	<0.5	5	5000	20	<1	<1	<1	96	<1	13
400N	800E	6	12	10	5	130	5	<0.5	24	6220	10	<1	5	<1	40	<1	15
400N	825E	2	8	5	<5	100	<5	<0.5	12	6210	20	<1	2	<1	44	<1	14
400N	850E	4	9	7	<5	131	<5	<0.5	17	6040	5	<1	3	<1	27	<1	12
400N	875E	6	15	4	<5	182	<5	<0.5	19	26200	10	<1	3	<1	9	<1	10
400N	900E	2	9	2	5	190	<5	<0.5	8	13200	5	<1	1	<1	74	<1	12
400N	925E	7	<1	<1	<5	34	23	<0.5	<1	8350	5	<1	<1	<1	5	4	7
400N	950E	6	<1	<1	<5	40	16	<0.5	1	6930	5	<1	<1	<1	<5	<1	8
400N	975E	5	<1	<1	<5	55	<5	<0.5	<1	3940	5	<1	<1	<1	<5	<1	<5
400N	1000E	2	3	<1	<5	128	15	<0.5	5	2400	5	<1	<1	<1	7	<1	10
Line 600N																	
600N	200W	49	20	44	<5	164	<5	1.5	65	6460	40	<1	15	<1	84	<1	34
600N	175W	15	15	12	<5	146	<5	<0.5	24	7250	50	<1	5	<1	110	<1	27
600N	150W	8	27	24	<5	230	<5	<0.5	55	11800	10	<1	10	<1	60	<1	12
600N	125W	11	18	16	<5	165	<5	<0.5	35	7830	20	<1	7	<1	125	<1	11
600N	100W	9	26	19	<5	118	<5	<0.5	49	16400	5	<1	8	<1	5	<1	<5
600N	75W	17	8	8	<5	98	<5	<0.5	17	1700	5	<1	3	<1	27	<1	8
600N	50W	9	20	17	<5	194	<5	<0.5	36	5140	50	<1	7	<1	28	<1	8
600N	25W	19	26	22	<5	92	<5	<0.5	48	8250	20	<1	9	<1	11	<1	22
600N	0E	22	79	89	<5	172	<5	<0.5	178	13300	30	<1	35	<1	46	<1	54
600N	25E	6	32	30	<5	248	<5	<0.5	68	2440	60	<1	12	<1	9	<1	8
600N	50E	8	66	54	<5	262	<5	<0.5	130	10700	30	<1	23	<1	6	<1	30
600N	75E	16	16	27	<5	202	<5	<0.5	45	7580	5	<1	10	<1	19	<1	14
600N	100E	8	26	31	<5	212	<5	<0.5	70	8640	5	<1	13	<1	14	<1	11
600N	125E	27	14	31	<5	171	<5	<0.5	49	5890	5	<1	11	<1	65	<1	25

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
400N	125E	2	<1	490	<1	<1	5	1.6	15	<0.5	3	<1	11	2	<20	<5
400N	150E	7	<1	530	<1	2	5	2.4	49	<0.5	5	<1	41	4	170	8
400N	175E	6	<1	500	<1	1	5	7	65	<0.5	11	<1	26	2	20	17
400N	200E	4	<1	590	<1	1	5	2.8	11	<0.5	10	<1	32	4	90	9
400N	225E	9	<1	730	<1	3	5	3.2	9	<0.5	12	<1	83	9	40	9
400N	250E	4	<1	870	<1	1	5	1.3	9	<0.5	5	<1	33	3	60	<5
400N	275E	3	<1	750	<1	<1	5	2.3	16	<0.5	7	<1	30	3	90	8
400N	300E	7	<1	550	<1	2	5	2.1	10	<0.5	10	<1	62	7	20	8
400N	325E	16	<1	570	<1	3	5	4.9	8	<0.5	16	2	58	7	<20	9
400N	350E	5	<1	470	<1	1	5	1.6	22	<0.5	7	1	36	3	70	8
400N	375E	8	<1	740	<1	2	5	2.1	12	<0.5	4	<1	64	6	100	6
400N	400E	4	<1	780	<1	2	5	4.8	6	<0.5	17	<1	52	7	70	6
400N	425E	3	<1	960	<1	1	5	2.2	4	<0.5	7	<1	42	6	70	<5
400N	450E	9	<1	1290	<1	2	5	6.1	8	<0.5	25	<1	65	5	50	9
400N	475E	12	<1	700	<1	2	5	3.6	8	<0.5	17	<1	74	5	<20	9
400N	500E	<1	<1	600	<1	<1	5	0.5	<3	<0.5	9	<1	10	1	50	<5
400N	525E	5	<1	860	<1	2	5	1.5	6	<0.5	10	<1	55	7	40	<5
400N	550E	8	<1	620	<1	2	5	2	9	<0.5	12	<1	69	8	130	7
400N	575E	12	<1	670	<1	5	5	1	4	<0.5	6	<1	170	21	30	<5
400N	600E	6	<1	490	<1	1	5	2.2	22	<0.5	11	<1	46	5	80	15
400N	625E	5	<1	670	<1	1	5	1.6	12	<0.5	4	<1	36	4	<20	<5
400N	650E	3	<1	890	<1	2	5	<0.5	<3	<0.5	9	<1	128	20	100	<5
400N	675E	3	<1	710	<1	<1	5	0.9	4	<0.5	8	<1	37	5	50	<5
400N	700E	3	<1	690	<1	1	5	1	5	<0.5	4	<1	38	4	130	<5
400N	725E	6	<1	610	<1	2	5	1.4	8	<0.5	5	<1	44	5	<20	<5
400N	750E	30	<1	810	<1	12	5	1.2	4	<0.5	21	<1	308	37	40	<5
400N	775E	2	<1	600	<1	<1	5	0.7	9	<0.5	1	<1	18	2	40	<5
400N	800E	8	<1	590	<1	2	5	3	9	<0.5	23	<1	63	6	120	7
400N	825E	4	<1	950	<1	1	5	1.7	5	<0.5	13	<1	44	6	30	<5
400N	850E	6	<1	900	<1	1	5	2.4	8	<0.5	5	<1	46	4	190	5
400N	875E	8	<1	1020	<1	2	5	3.6	5	<0.5	9	<1	88	7	<20	7
400N	900E	4	<1	890	<1	2	5	0.9	5	<0.5	4	<1	57	8	<20	<5
400N	925E	<1	<1	590	<1	<1	5	<0.5	<3	<0.5	5	<1	<5	<1	<20	<5
400N	950E	<1	<1	760	<1	<1	5	<0.5	4	<0.5	8	2	5	1	<20	<5
400N	975E	<1	<1	340	<1	<1	5	<0.5	<3	<0.5	7	<1	7	<1	30	<5
400N	1000E	2	<1	1010	<1	<1	5	1	4	<0.5	7	<1	14	2	<20	<5
Line 600N																
600N	200W	16	<1	480	<1	3	5	9.9	128	<0.5	8	<1	85	6	80	15
600N	175W	9	<1	620	<1	2	5	3.1	11	<0.5	3	<1	94	7	70	<5
600N	150W	19	<1	600	<1	3	5	2.9	6	<0.5	6	<1	128	9	50	<5
600N	125W	12	<1	550	<1	2	5	2.8	10	<0.5	19	<1	116	9	340	8
600N	100W	17	<1	590	<1	3	5	1.9	5	<0.5	12	<1	136	7	210	<5
600N	75W	6	<1	880	<1	1	5	1.5	11	<0.5	4	<1	45	3	1420	<5
600N	50W	13	<1	780	<1	3	5	3	<3	<0.5	6	<1	85	7	20	<5
600N	25W	17	<1	770	<1	4	5	1.9	8	<0.5	19	<1	181	13	300	6
600N	0E	54	<1	460	<1	10	5	5.9	32	<0.5	20	<1	445	30	180	17
600N	25E	25	<1	1270	<1	4	5	4	<3	<0.5	4	<1	116	8	130	<5
600N	50E	44	<1	540	<1	9	5	4.6	19	<0.5	14	<1	344	23	20	10
600N	75E	12	<1	1010	<1	2	5	2.8	<3	<0.5	6	<1	81	7	40	6
600N	100E	21	<1	530	<1	3	5	5.2	19	<0.5	10	<1	104	7	<20	9
600N	125E	12	<1	400	<1	2	5	7.5	41	<0.5	7	<1	57	5	40	11

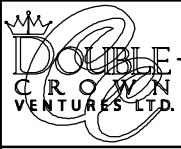


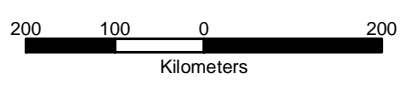
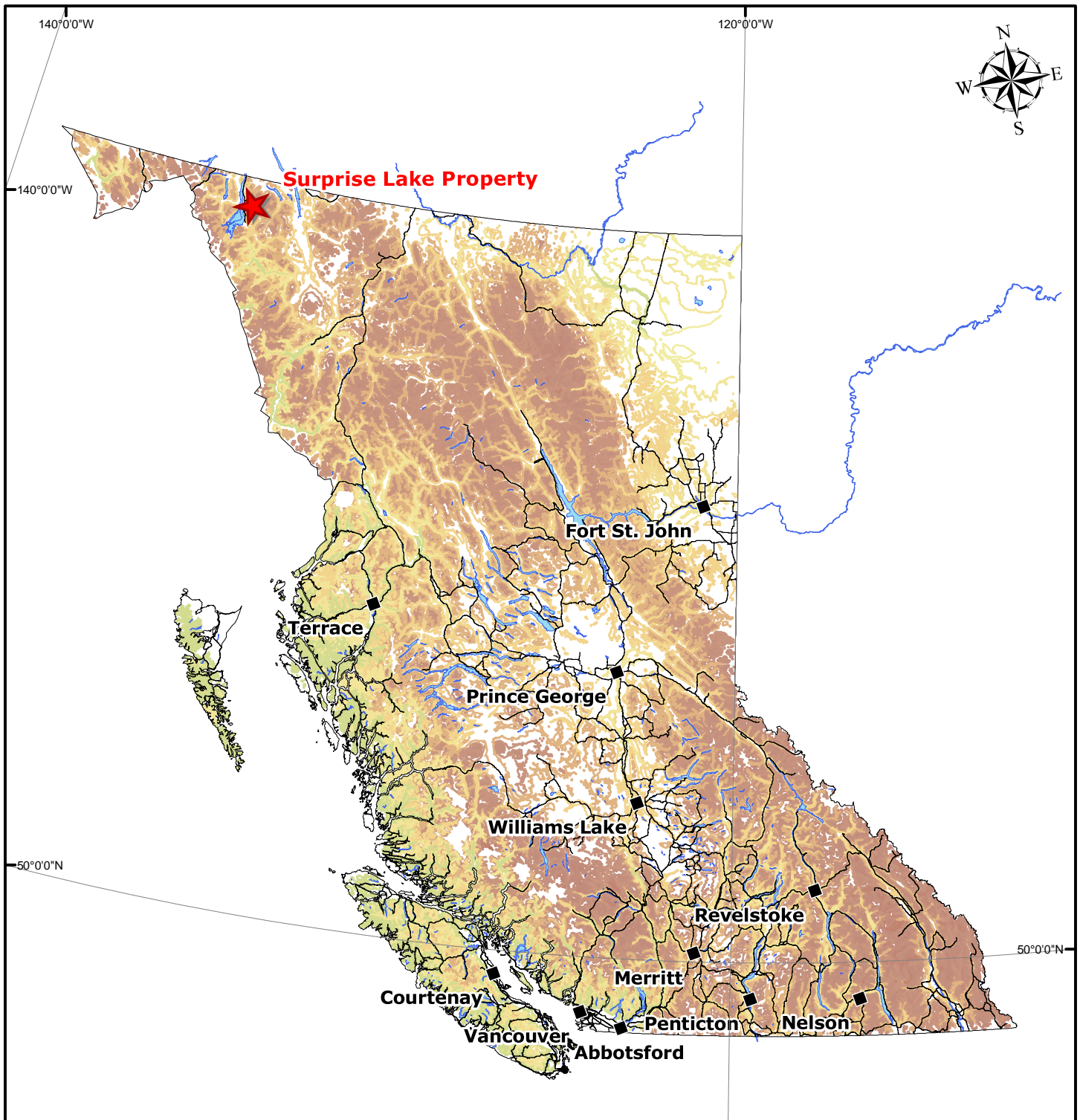
ANALYTE		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu
DETECTION		1	1	10	0.1	10	1	10	1	5	5	100	10	1	0.5	0.5
UNITS		PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
600N	150E	8	11	5	0.4	1370	<1	210	11	24	65	50	320	31	19.2	5.5
600N	175E	6	20	5	0.2	2410	<1	320	21	28	168	100	480	27	19	3.3
600N	200E	8	13	5	0.2	1250	<1	290	10	19	48	200	260	22	14	3.1
600N	225E	34	38	20	0.2	910	<1	170	12	196	1430	300	740	6	3	1.7
600N	250E	8	33	5	0.2	1120	<1	200	44	24	56	50	540	48	36.3	5.9
600N	275E	9	72	5	0.2	740	<1	200	13	37	474	200	450	21	14.9	3.7
600N	300E	18	16	5	0.5	1080	<1	220	6	20	63	50	250	15	8.7	3.1
600N	325E	19	41	5	0.3	880	<1	320	61	15	76	200	130	6	4.1	1
600N	350E	36	12	5	0.9	930	<1	320	10	29	145	50	190	14	8.1	2.4
600N	375E	14	12	5	0.5	1530	<1	270	13	23	77	50	200	12	6.3	2.3
600N	400E	28	15	5	1.2	910	<1	250	10	22	55	100	240	17	9	3.8
600N	425E	9	54	5	0.2	890	<1	240	29	40	120	200	140	20	11.9	3.8
600N	450E	12	72	5	0.1	640	<1	300	65	17	21	50	140	22	14.5	3.1
600N	475E	17	41	5	0.3	860	<1	270	15	26	39	100	220	16	9.3	3
600N	500E	15	22	5	0.3	1350	<1	410	3	21	43	50	170	6	3	1.6
600N	525E	13	33	5	0.3	1370	<1	390	9	16	56	100	140	8	4.7	1.4
600N	550E	14	11	5	0.6	980	<1	370	7	9	36	50	120	8	4.6	1.2
600N	575E	21	15	5	1.1	910	<1	220	17	14	261	100	240	17	9.7	2.7
600N	600E	13	14	5	0.4	1030	<1	260	10	11	37	50	140	9	5.3	1.6
600N	625E	18	12	5	0.8	840	<1	270	11	7	29	100	180	10	5.6	1.7
600N	650E	20	12	5	0.7	1040	<1	260	13	15	836	100	350	5	2.9	0.8
600N	675E	25	2	5	1	2790	<1	310	7	9	32	50	160	20	11	3
600N	700E	13	18	5	0.3	1420	<1	230	14	20	129	50	230	11	5.6	2.5
600N	725E	15	19	5	0.7	1000	<1	270	4	12	38	50	200	7	4.1	1.4
600N	750E	17	9	5	0.3	860	<1	330	5	7	24	50	160	5	2.9	1
600N	775E	13	6	5	0.6	1000	<1	280	3	12	11	50	250	22	12.2	3.8
600N	800E	41	3	5	0.3	1590	<1	460	8	<5	45	50	180	5	3.4	0.7
600N	825E	17	28	5	0.6	760	<1	250	5	36	29	100	190	12	5.8	3.5
600N	850E	27	10	5	0.4	740	<1	260	26	7	53	50	180	6	3.4	1.2
600N	875E	25	4	5	0.7	960	<1	280	23	10	19	50	150	7	3.1	1.7
600N	900E	15	5	5	0.5	590	<1	460	41	27	115	50	210	4	2.2	0.8
600N	925E	16	11	5	0.4	1030	<1	320	27	19	27	50	180	10	5.2	2.3
600N	950E	18	13	5	0.4	830	<1	270	20	30	104	100	190	16	8.7	2.9
600N	975E	12	2	5	1.4	930	<1	340	5	15	62	50	290	57	31.2	9.4
600N	1000E	14	8	5	0.4	1060	<1	450	11	15	47	50	290	8	4.4	1.7


ANALYTE		Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc
DETECTION		1	1	1	5	1	5	0.5	1	5	10	1	1	1	5	1	5
UNITS		PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPE	PPB	PPE	PPB	PPB	PPB
600N	150E	4	29	13	<5	176	<5	<0.5	29	10700	50	<1	5	<1	14	<1	17
600N	175E	5	21	12	<5	153	<5	<0.5	23	8450	50	<1	4	<1	18	<1	19
600N	200E	4	18	10	<5	149	<5	<0.5	18	4010	30	<1	4	<1	23	<1	18
600N	225E	84	7	23	5	192	5	1.9	32	1980	20	<1	8	<1	91	<1	54
600N	250E	5	32	16	<5	116	<5	<0.5	34	14200	60	<1	6	<1	63	<1	33
600N	275E	24	18	20	<5	136	<5	<0.5	36	8930	80	<1	8	<1	61	<1	42
600N	300E	6	15	10	<5	186	<5	<0.5	20	5360	40	<1	4	<1	28	<1	15
600N	325E	8	5	4	<5	113	<5	<0.5	8	2210	30	<1	2	<1	147	<1	11
600N	350E	4	13	9	<5	138	<5	<0.5	19	4140	40	<1	3	<1	94	<1	13
600N	375E	6	12	10	<5	171	<5	<0.5	21	3020	20	<1	4	<1	50	<1	12
600N	400E	6	18	13	<5	185	<5	<0.5	30	3830	30	<1	5	<1	32	<1	15
600N	425E	14	20	18	<5	126	<5	<0.5	36	8240	30	<1	7	<1	90	<1	20
600N	450E	9	16	10	<5	89	<5	<0.5	23	11100	20	<1	4	<1	68	<1	17
600N	475E	10	15	13	<5	106	<5	<0.5	25	4610	30	<1	5	<1	49	<1	16
600N	500E	17	7	10	<5	83	<5	<0.5	19	2400	20	<1	4	<1	56	<1	7
600N	525E	9	7	7	<5	121	<5	<0.5	13	4570	20	<1	3	<1	77	<1	7
600N	550E	4	7	4	<5	153	<5	<0.5	8	4400	10	<1	2	<1	41	<1	6
600N	575E	3	15	7	<5	190	<5	<0.5	15	5460	40	<1	3	<1	29	<1	12
600N	600E	3	9	5	<5	169	<5	<0.5	11	3780	10	<1	2	<1	29	<1	7
600N	625E	3	8	4	<5	161	<5	<0.5	10	3420	30	<1	2	<1	33	<1	7
600N	650E	5	4	5	<5	172	<5	<0.5	9	4440	30	<1	2	<1	43	<1	<5
600N	675E	2	17	5	<5	276	<5	<0.5	13	4090	50	<1	2	<1	21	<1	10
600N	700E	8	12	13	<5	157	<5	<0.5	24	4350	20	<1	5	<1	29	<1	11
600N	725E	6	7	6	<5	175	<5	<0.5	12	3430	10	<1	2	<1	40	<1	8
600N	750E	5	5	4	<5	185	<5	<0.5	8	2750	20	<1	1	<1	39	<1	<5
600N	775E	3	20	11	<5	220	<5	<0.5	23	5940	30	<1	4	<1	17	<1	8
600N	800E	4	5	3	<5	158	<5	<0.5	6	4280	20	<1	1	<1	12	<1	<5
600N	825E	20	15	20	<5	183	<5	<0.5	41	4990	10	<1	8	<1	38	<1	12
600N	850E	4	6	4	<5	157	<5	<0.5	8	3480	20	<1	1	<1	63	<1	5
600N	875E	3	8	7	<5	207	<5	<0.5	17	2240	5	<1	3	<1	9	<1	9
600N	900E	6	4	4	<5	139	<5	<0.5	9	2010	20	<1	2	<1	14	<1	9
600N	925E	8	11	10	<5	130	<5	<0.5	23	2600	5	<1	4	<1	22	<1	9
600N	950E	5	15	11	<5	184	<5	<0.5	24	3760	20	<1	4	<1	13	<1	13
600N	975E	2	52	18	<5	250	<5	<0.5	45	9170	40	<1	7	<1	20	<1	11
600N	1000E	6	9	11	<5	122	<5	<0.5	20	2240	5	<1	4	<1	11	<1	8

ANALYTE		Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DETECTION		1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS		PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
600N	150E	15	<1	520	<1	5	5	0.5	9	<0.5	6	<1	172	15	<20	<5
600N	175E	9	<1	680	<1	4	5	0.8	11	<0.5	12	<1	148	16	1060	7
600N	200E	8	<1	880	<1	3	5	<0.5	9	<0.5	3	<1	112	10	<20	<5
600N	225E	7	<1	450	<1	1	5	9.2	352	<0.5	9	<1	29	3	50	26
600N	250E	15	<1	540	<1	6	5	1.1	12	<0.5	4	<1	306	30	200	<5
600N	275E	11	<1	430	<1	3	5	2.1	131	<0.5	7	<1	126	12	120	13
600N	300E	9	<1	540	<1	3	5	0.7	20	<0.5	4	<1	74	7	30	<5
600N	325E	3	<1	460	<1	<1	5	0.8	22	<0.5	3	<1	34	3	320	<5
600N	350E	7	<1	610	<1	2	5	1.4	12	<0.5	6	<1	65	6	20	6
600N	375E	8	<1	680	<1	2	5	1.2	24	<0.5	6	<1	61	5	80	6
600N	400E	12	<1	580	<1	3	5	3.5	20	<0.5	10	<1	84	7	20	7
600N	425E	12	<1	520	<1	3	5	1.9	71	<0.5	8	<1	115	9	200	9
600N	450E	8	<1	490	<1	3	5	0.8	18	<0.5	6	<1	127	11	40	<5
600N	475E	9	<1	490	<1	3	5	1.8	43	<0.5	6	<1	80	7	90	8
600N	500E	6	<1	620	<1	1	5	2.1	27	<0.5	8	<1	28	2	<20	8
600N	525E	5	<1	650	<1	1	5	0.8	11	<0.5	6	<1	38	4	70	5
600N	550E	3	<1	760	<1	1	5	<0.5	<3	<0.5	2	<1	35	4	<20	<5
600N	575E	7	<1	570	<1	3	5	0.6	4	<0.5	5	<1	74	7	50	<5
600N	600E	5	<1	610	<1	2	5	<0.5	6	<0.5	3	<1	46	4	50	<5
600N	625E	4	<1	620	<1	2	5	<0.5	4	<0.5	5	<1	47	4	30	<5
600N	650E	3	<1	610	<1	<1	5	1	6	<0.5	6	<1	20	2	40	5
600N	675E	8	<1	890	<1	3	5	<0.5	<3	<0.5	6	<1	75	8	50	<5
600N	700E	8	<1	600	<1	2	5	1	19	<0.5	4	<1	54	5	90	5
600N	725E	4	<1	640	<1	1	5	<0.5	10	<0.5	4	<1	36	3	70	<5
600N	750E	3	<1	750	<1	<1	5	<0.5	5	<0.5	3	<1	26	2	40	<5
600N	775E	10	<1	710	<1	4	5	0.5	3	<0.5	5	<1	100	9	<20	<5
600N	800E	2	<1	960	<1	<1	5	<0.5	<3	<0.5	6	<1	29	3	30	<5
600N	825E	12	<1	500	<1	2	5	3.7	31	<0.5	12	<1	66	4	20	11
600N	850E	4	<1	560	<1	1	5	<0.5	9	<0.5	5	<1	31	3	30	<5
600N	875E	6	<1	860	<1	1	5	1.2	4	<0.5	8	<1	31	2	<20	<5
600N	900E	3	<1	1220	<1	<1	5	1.7	6	<0.5	8	<1	18	1	80	<5
600N	925E	8	<1	690	<1	2	5	1.7	8	<0.5	12	<1	48	4	<20	5
600N	950E	9	<1	660	<1	3	5	1.4	10	<0.5	7	<1	71	7	70	<5
600N	975E	24	<1	720	<1	9	5	1	<3	<0.5	11	<1	231	23	160	<5
600N	1000E	6	<1	940	<1	1	5	2.9	7	<0.5	20	<1	42	3	40	6



		<b>Double Crown Ventures Ltd.</b>	
		<b>Project Locations in Canada</b>	
<b>Title:</b> <p style="text-align: center;"><b>Surprise Lake Project</b></p>			
<b>Scale:</b> As Shown	<b>Design:</b> .	<b>Figure:</b> <b>1</b>	
<b>Date:</b> Sept, 2006	<b>Drawing:</b> TERRACAD LTD.	<b>Rev:</b> 1.0	



		<b>Double Crown Ventures Ltd.</b>	
		<b>Project Locations in British Columbia</b>	
<b>Title:</b>			
<b>Surprise Lake Project</b>			
<b>Scale:</b> As Shown	<b>Design:</b> 	<b>Figure:</b> <b>2</b>	
<b>Date:</b> Sept, 2006	<b>Drawing:</b> TERRACAD LTD.	<b>Rev:</b> 1.0	

550000

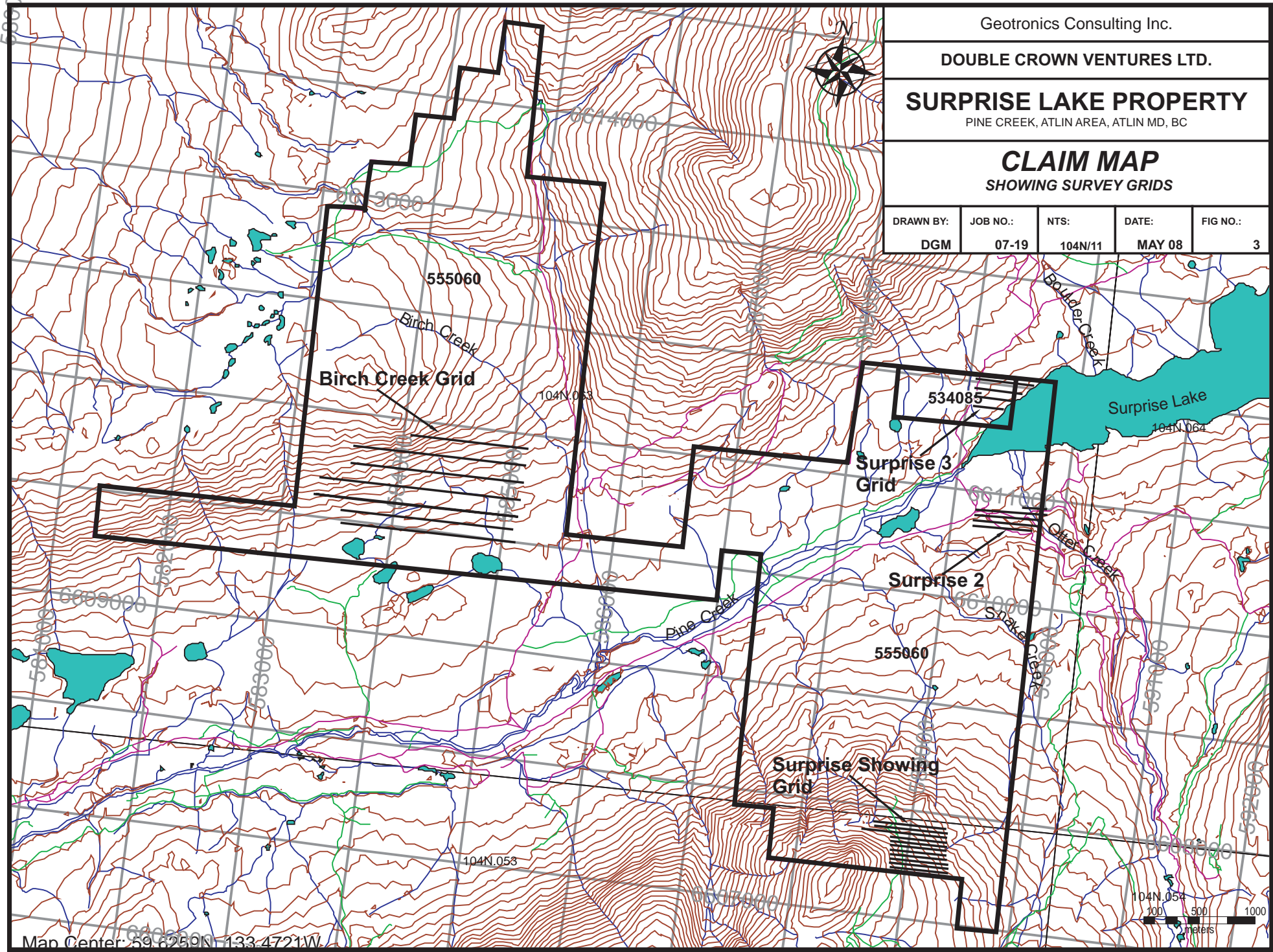
Geotronics Consulting Inc.

**DOUBLE CROWN VENTURES LTD.**

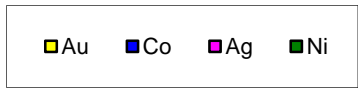
**SURPRISE LAKE PROPERTY**  
PINE CREEK, ATLIN AREA, ATLIN MD, BC

**CLAIM MAP**  
SHOWING SURVEY GRIDS

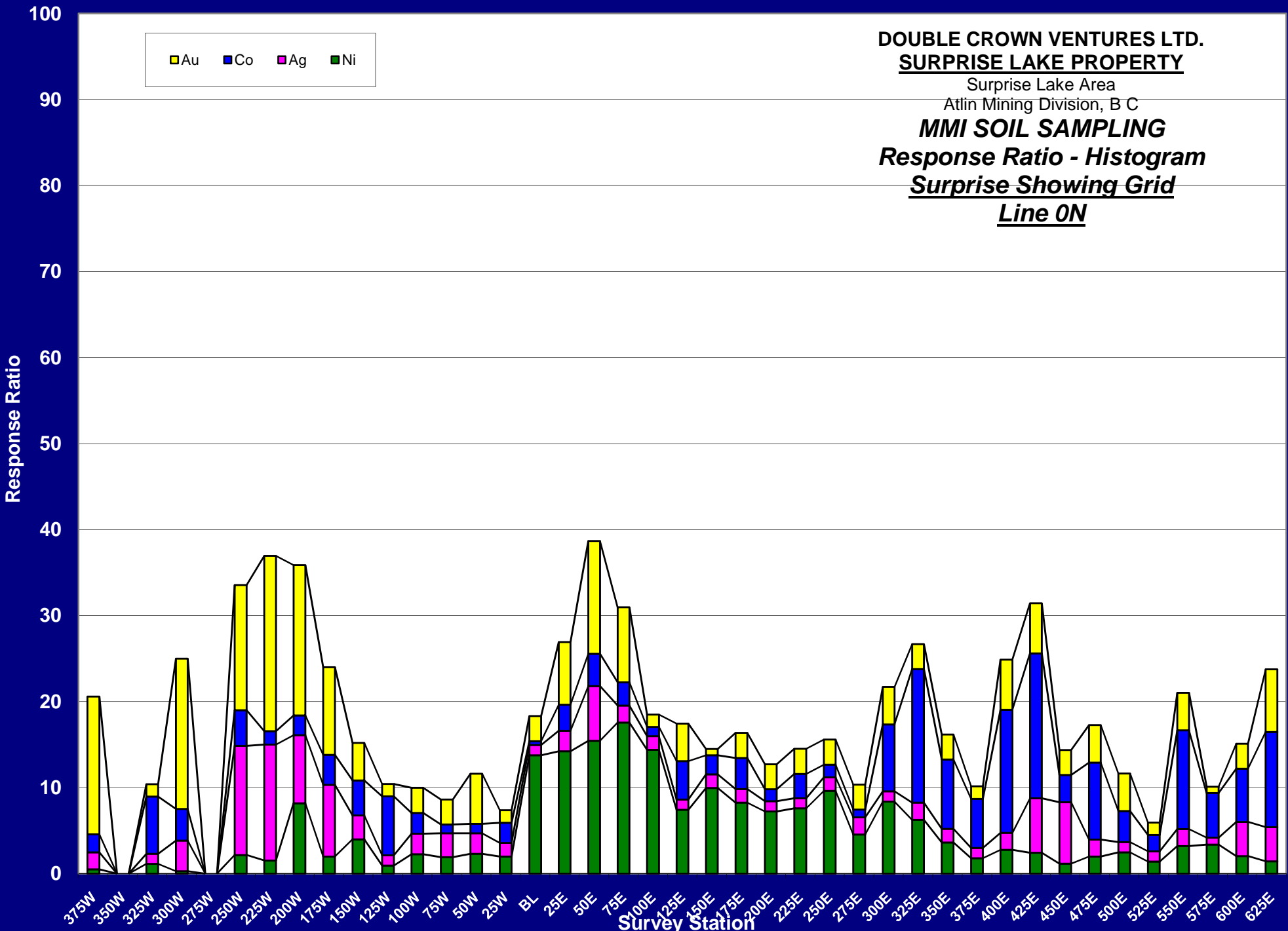
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	07-19	104N/11	MAY 08	3



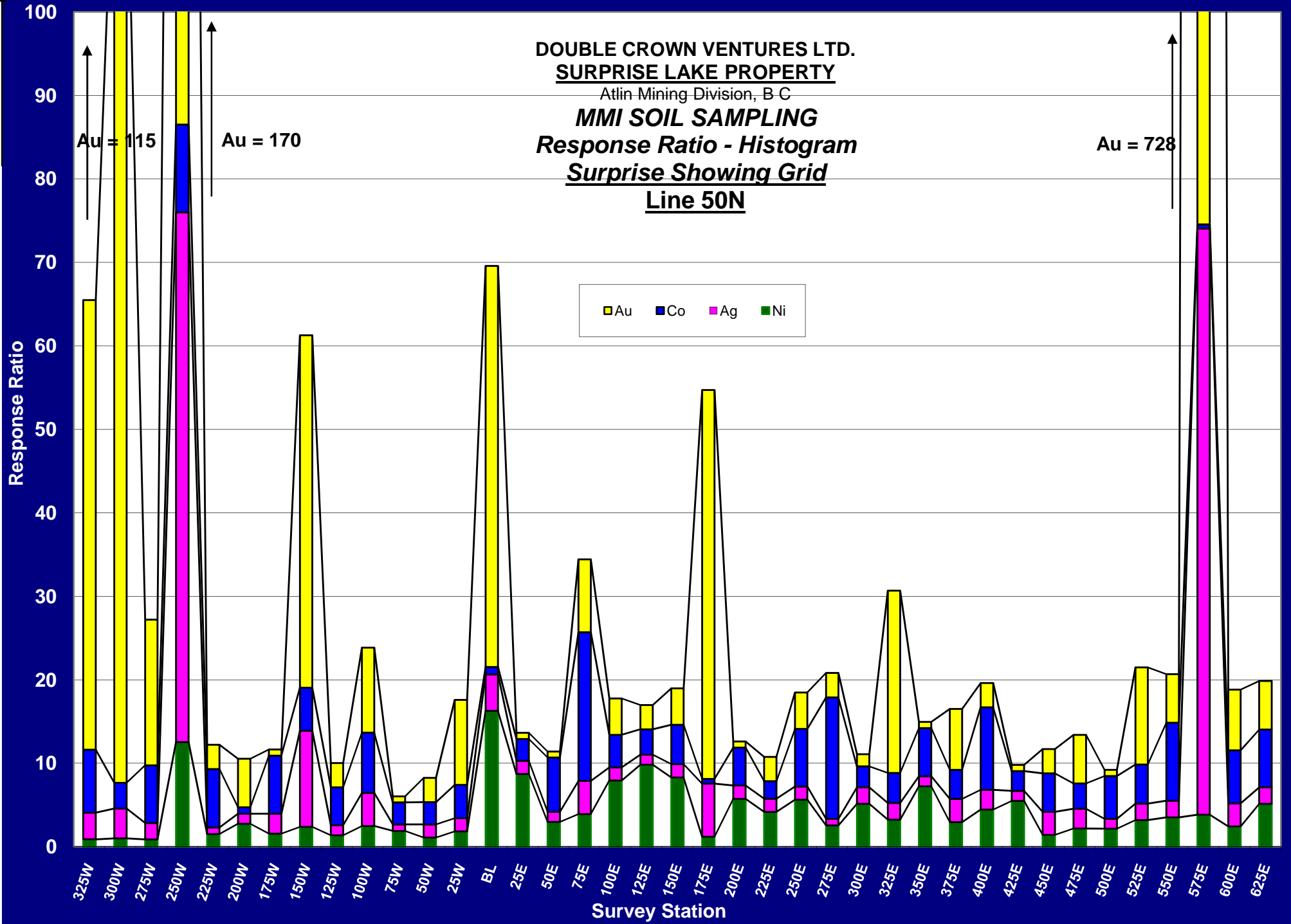
Map Center: 59.6260N 133.4721W



**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
***Response Ratio - Histogram***  
**Surprise Showing Grid**  
**Line 0N**



**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Atlin Mining Division, B-C  
**MMI SOIL SAMPLING**  
***Response Ratio - Histogram***  
**Surprise Showing Grid**  
**Line 50N**

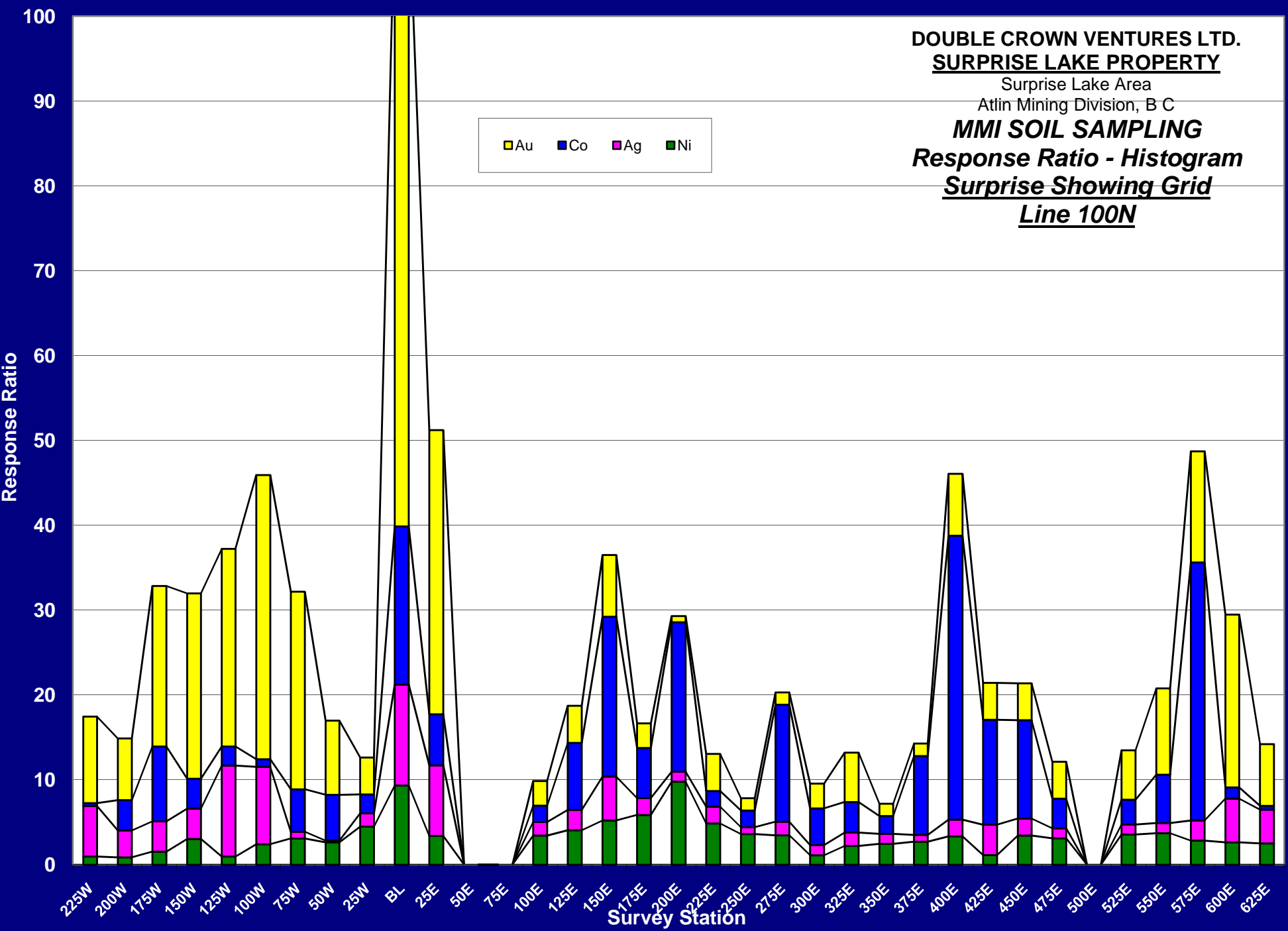
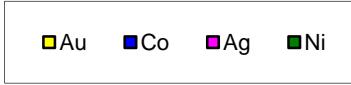




**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Surprise Lake Area  
Atlin Mining Division, B C

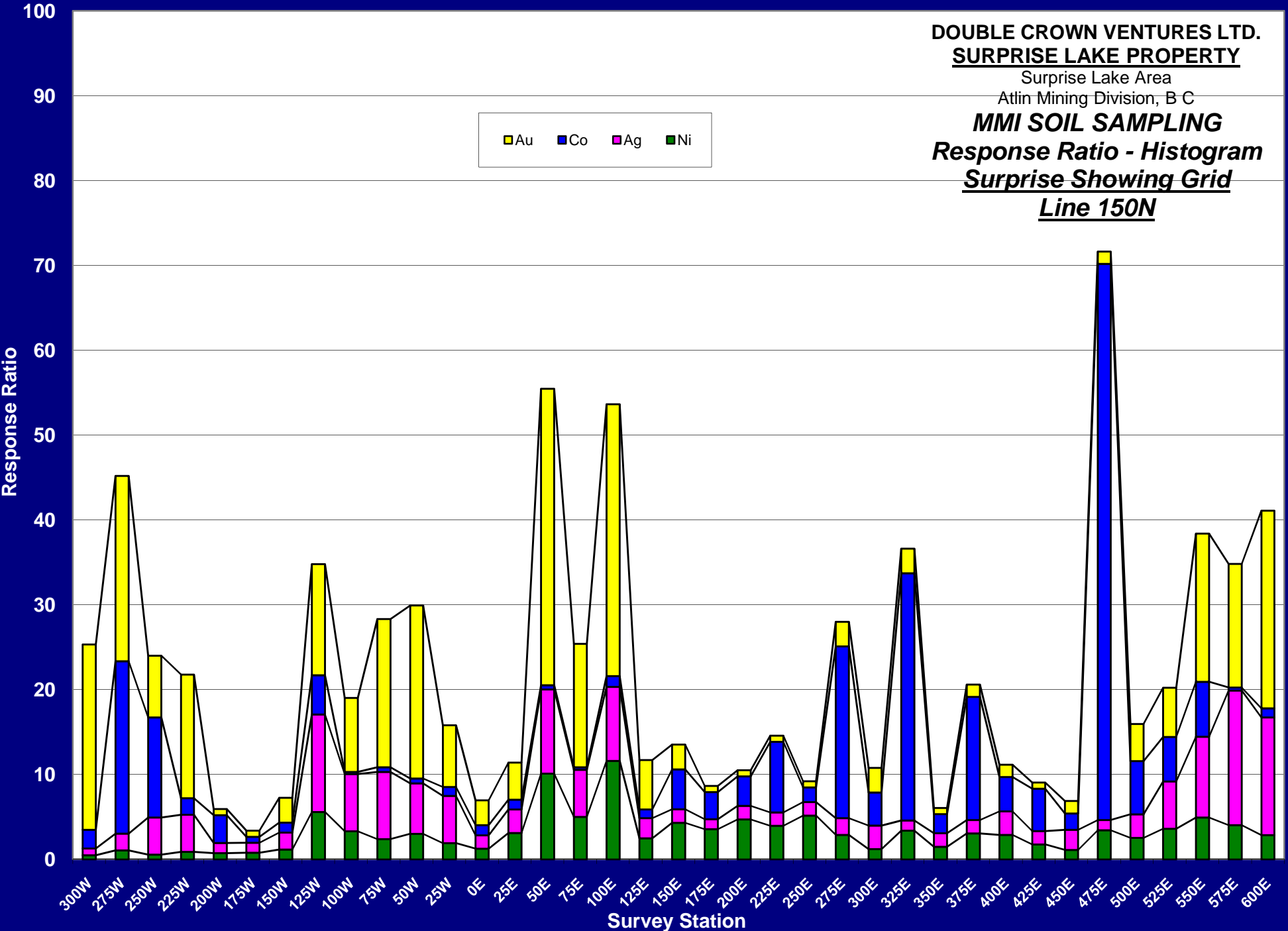
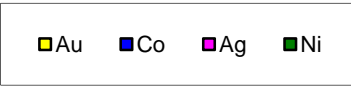
**MMI SOIL SAMPLING  
Response Ratio - Histogram  
Surprise Showing Grid  
Line 100N**



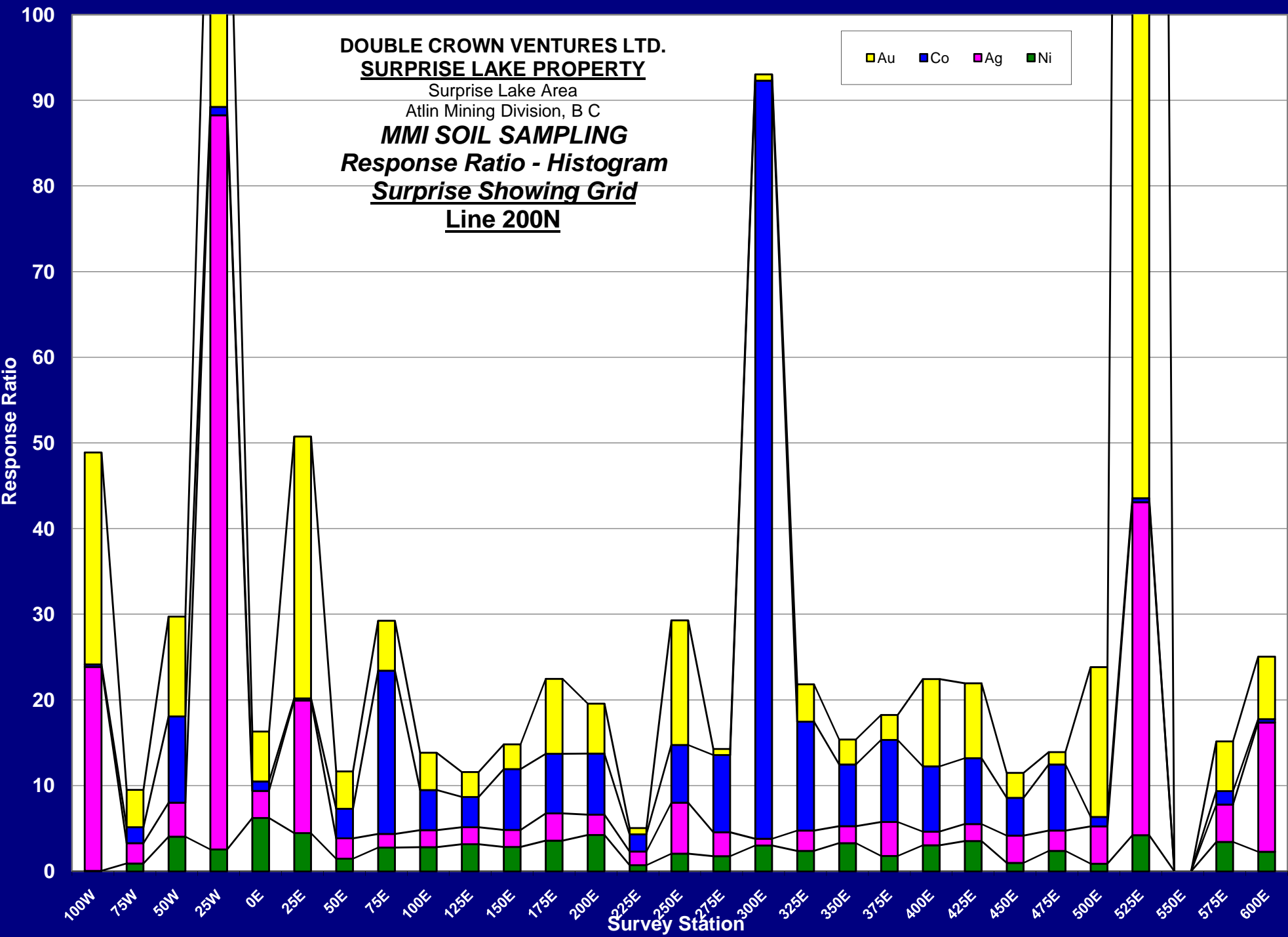
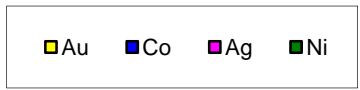
**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Surprise Lake Area  
Atlin Mining Division, B C

**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Surprise Showing Grid**  
**Line 150N**



**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Surprise Showing Grid**  
**Line 200N**



**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**

Surprise Lake Area

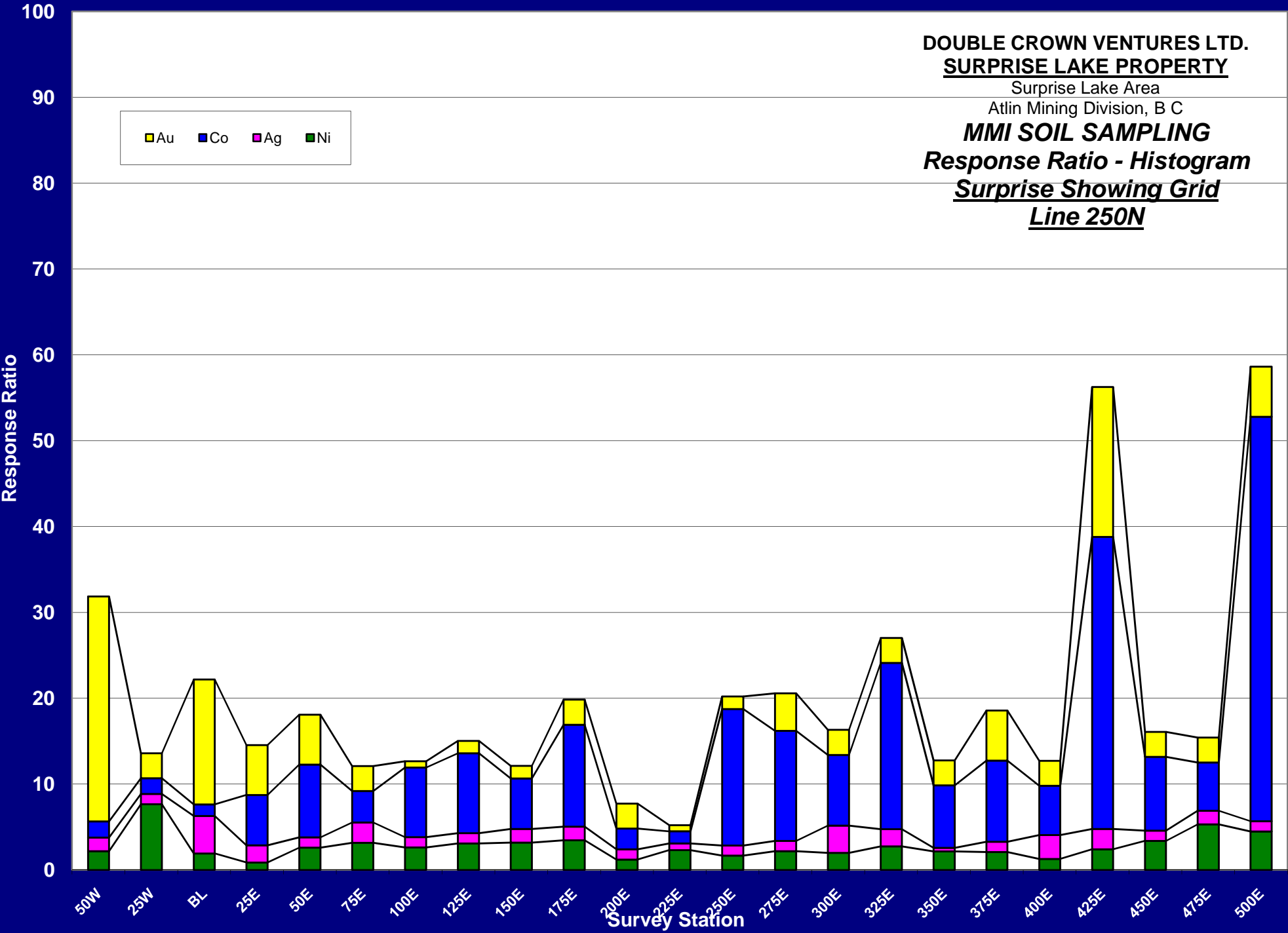
Atlin Mining Division, B C

***MMI SOIL SAMPLING***

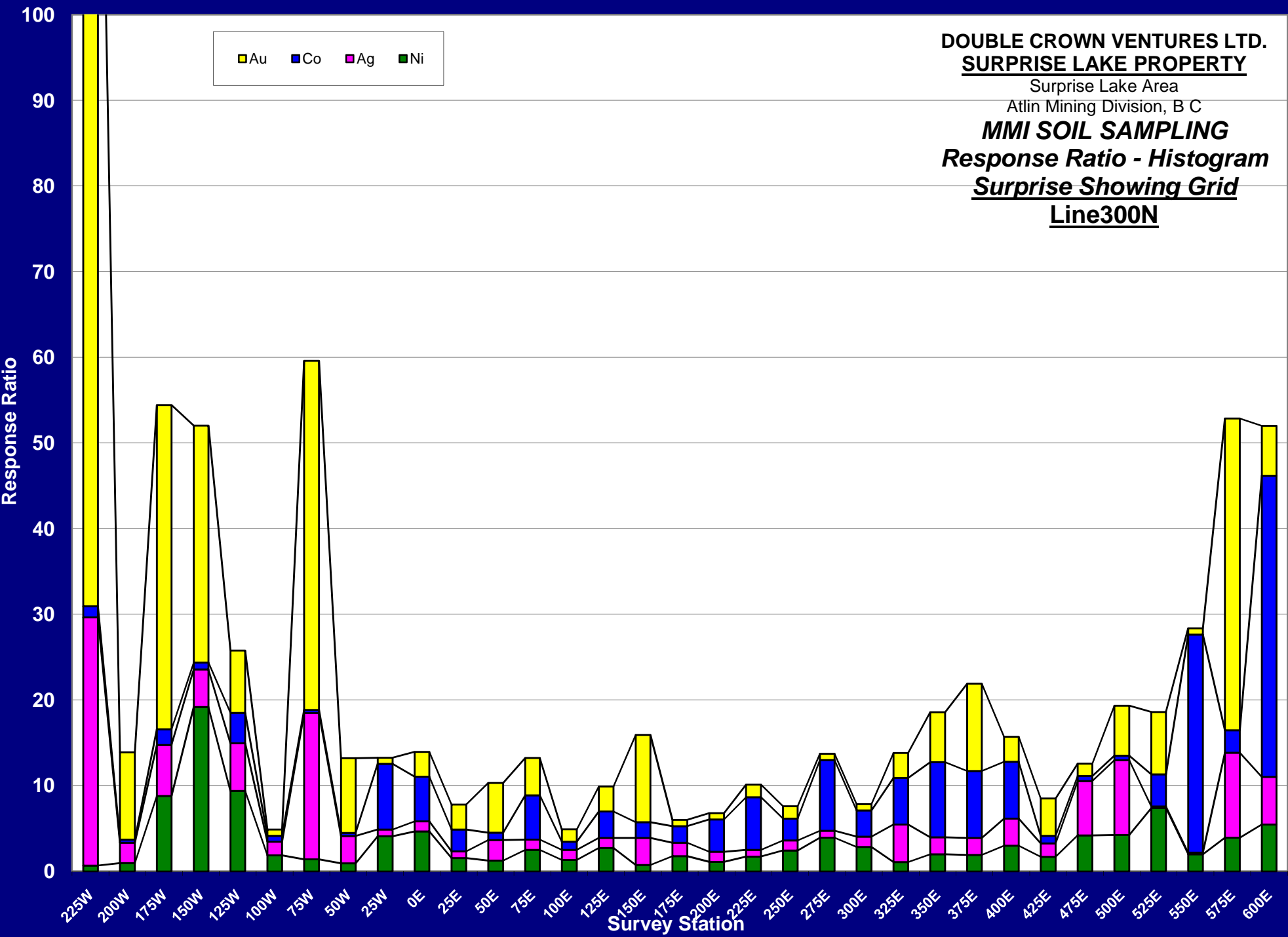
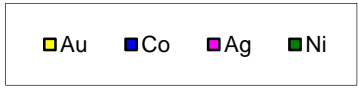
***Response Ratio - Histogram***

***Surprise Showing Grid***

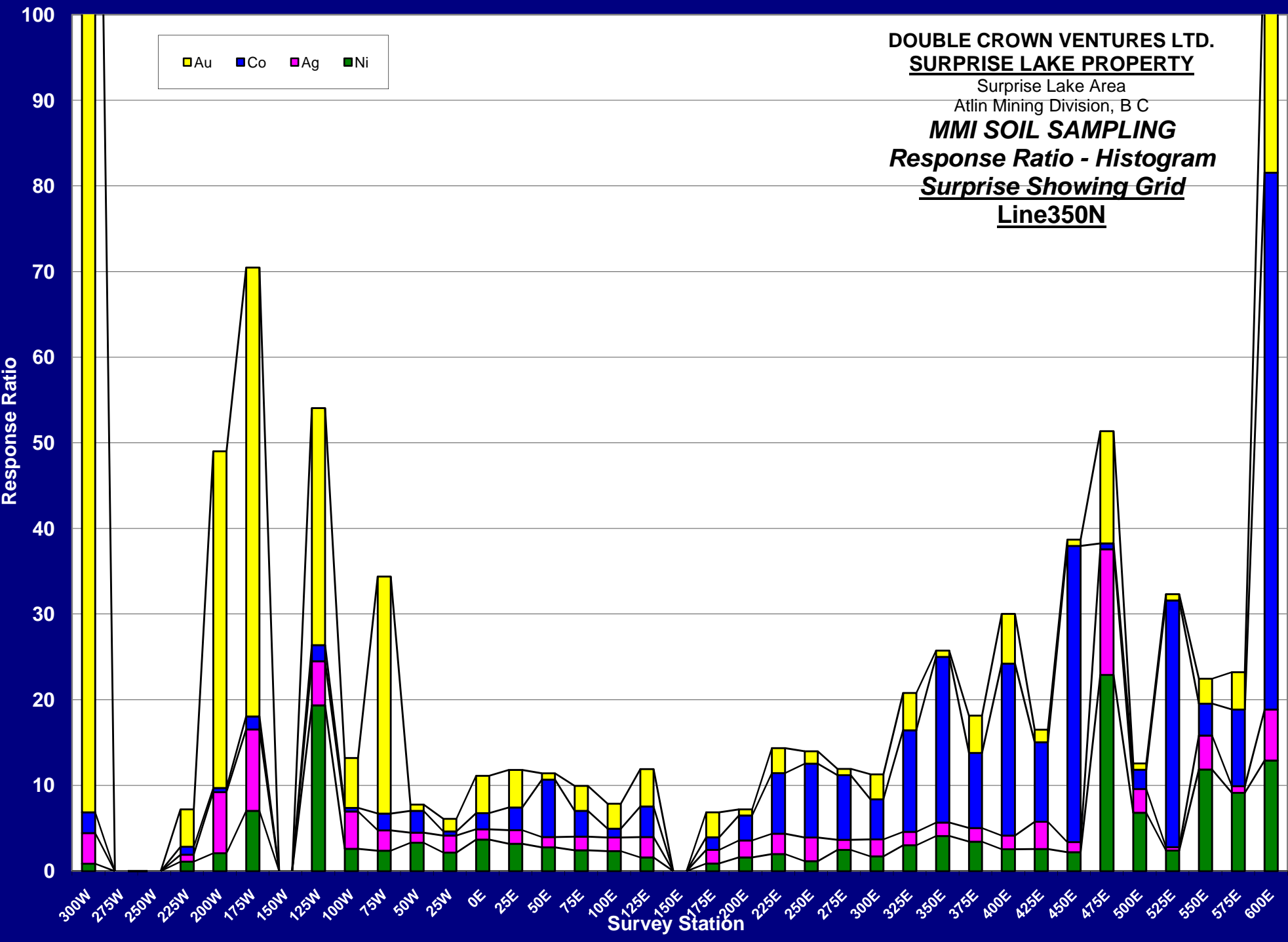
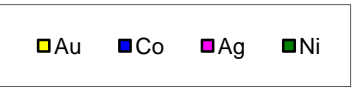
***Line 250N***



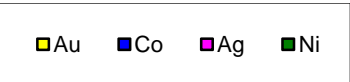
**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
***Response Ratio - Histogram***  
**Surprise Showing Grid**  
**Line300N**



**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Surprise Showing Grid**  
**Line350N**



**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
***Response Ratio - Histogram***  
**Surprise Showing Grid**  
**Line 400N**

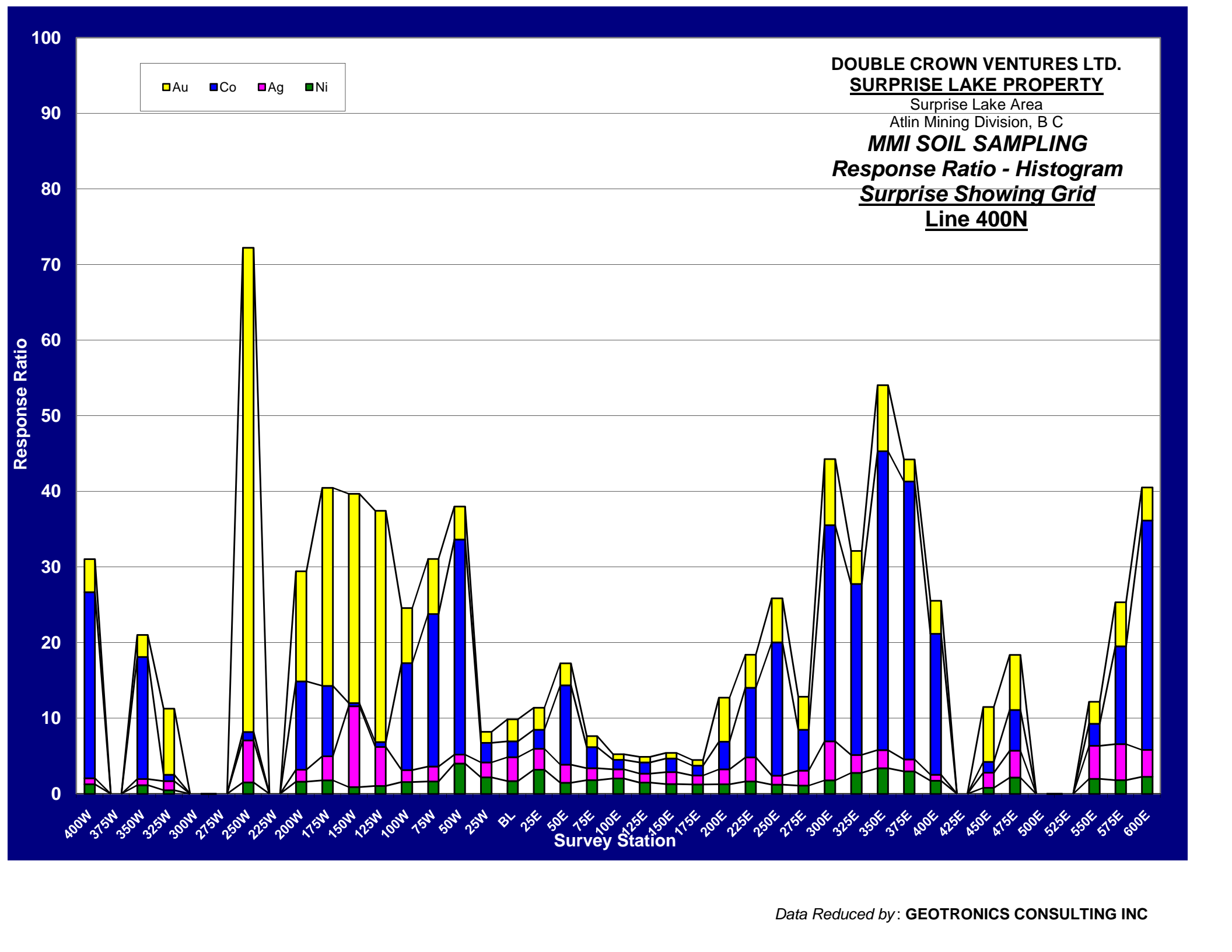


Response Ratio

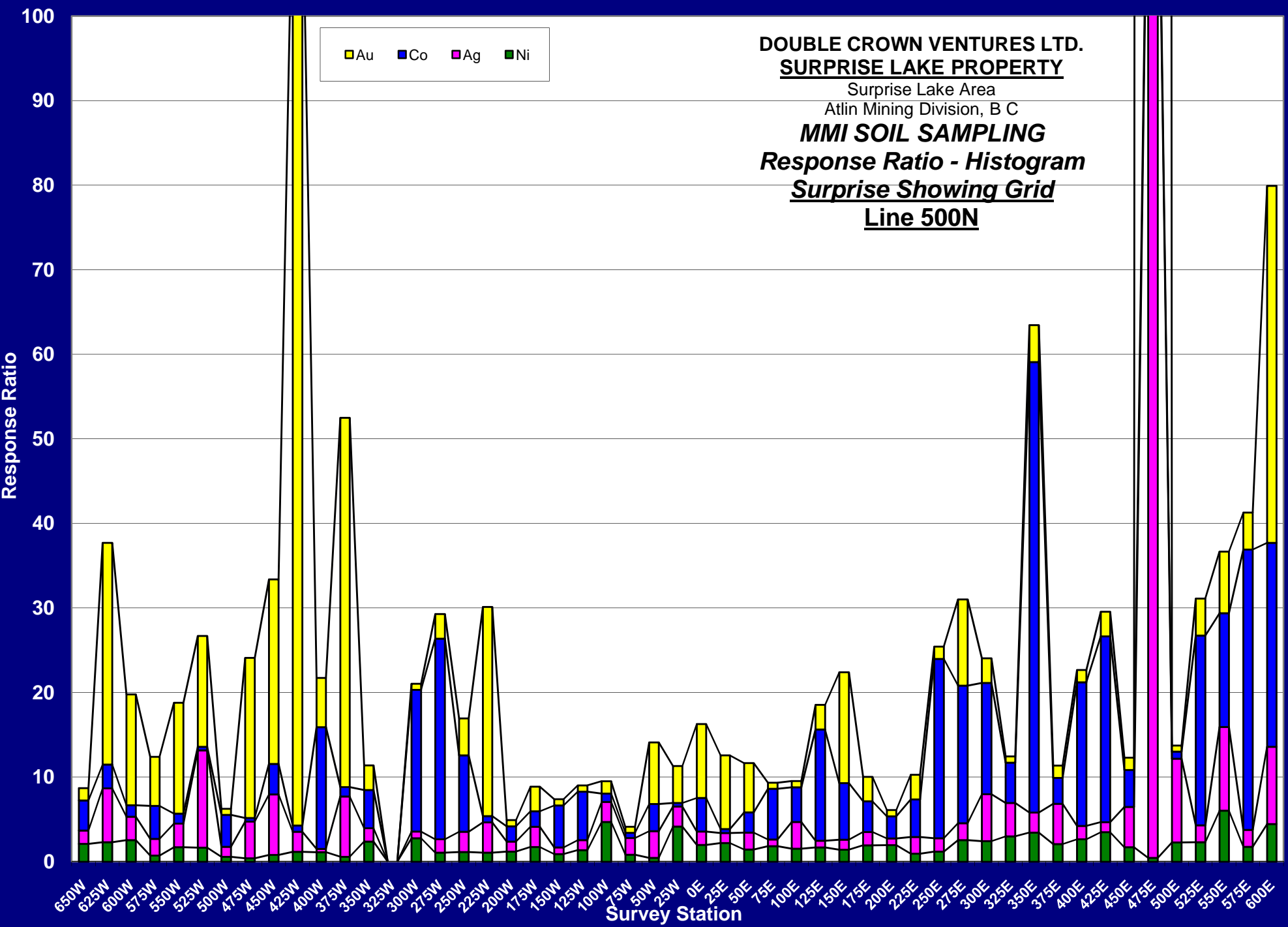
100  
90  
80  
70  
60  
50  
40  
30  
20  
10  
0

400W 375W 350W 325W 300W 275W 250W 225W 200W 175W 150W 125W 100W 75W 50W 25W BL 25E 50E 75E 100E 125E 150E 175E 200E 225E 250E 275E 300E 325E 350E 375E 400E 425E 450E 475E 500E 525E 550E 575E 600E

Survey Station

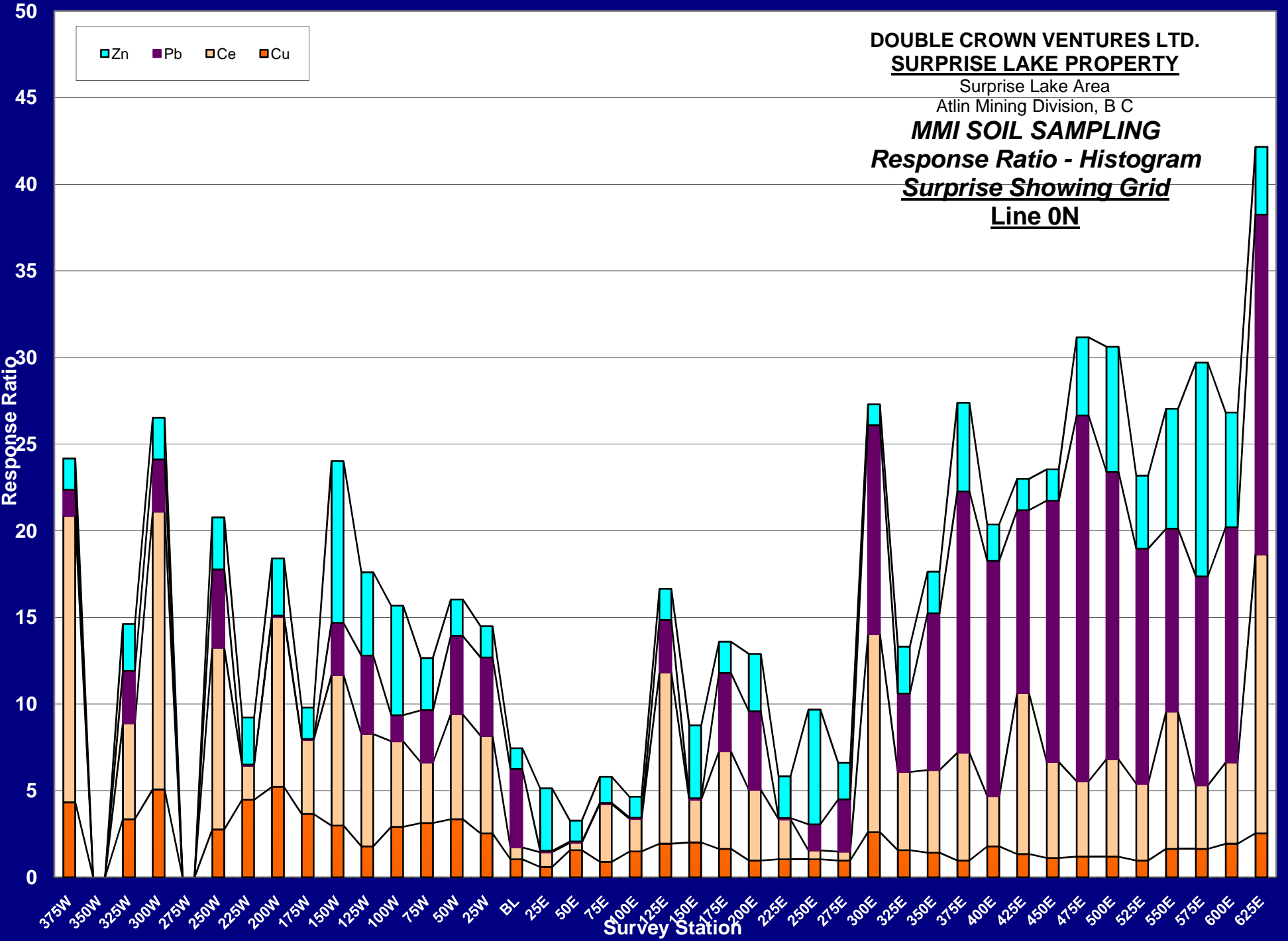


**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
*Response Ratio - Histogram*  
**Surprise Showing Grid**  
**Line 500N**

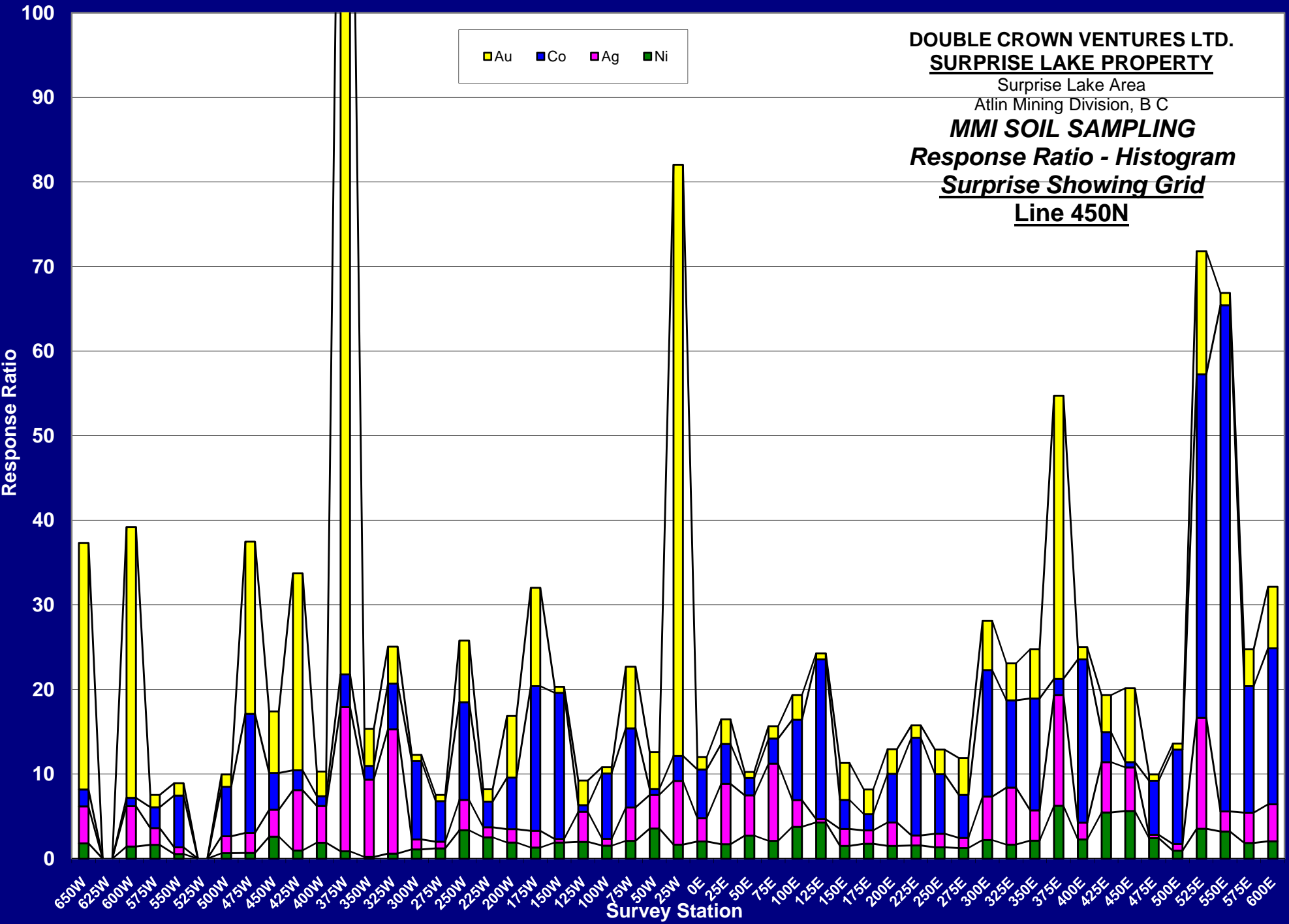




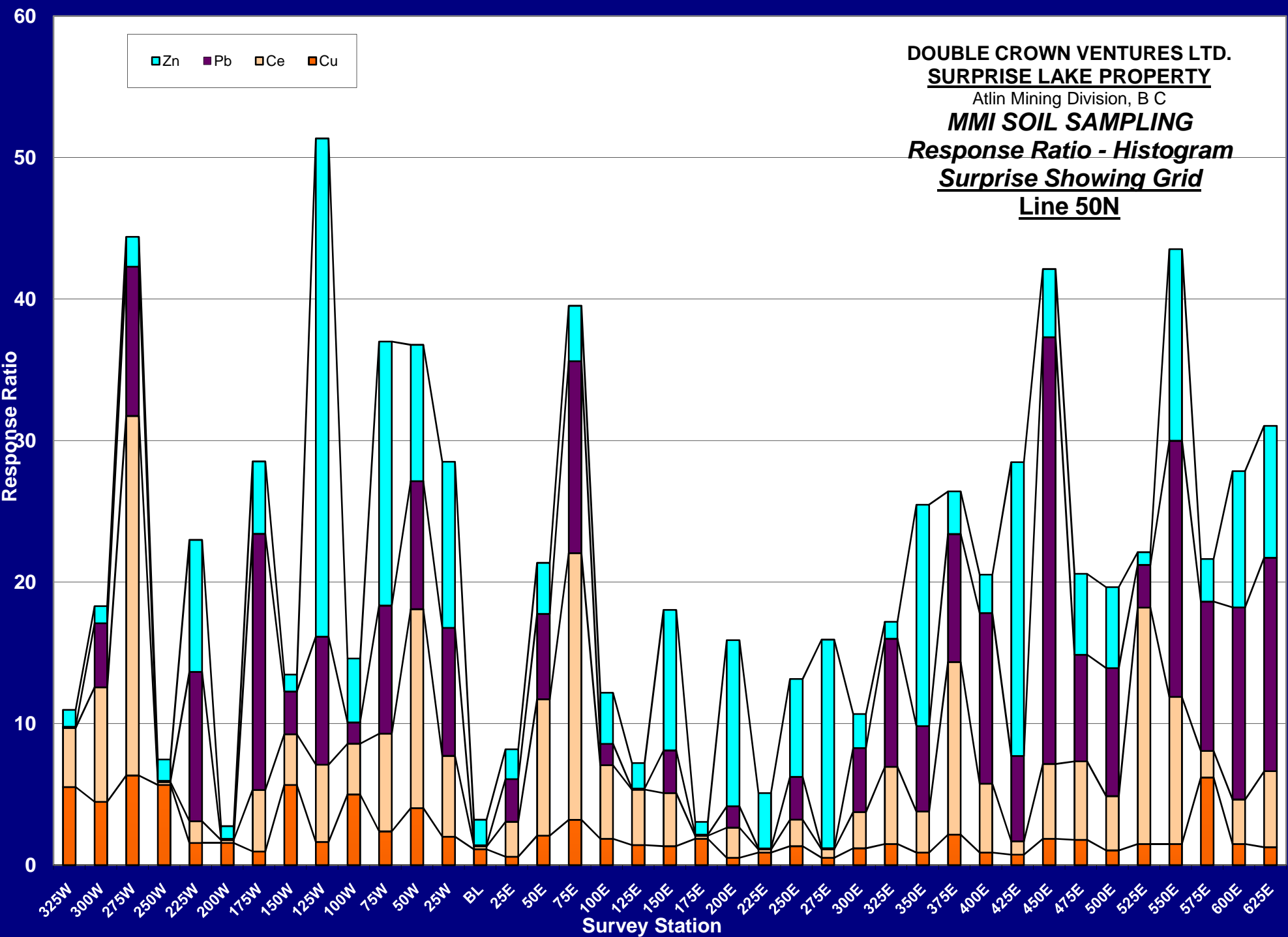
**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
*Response Ratio - Histogram*  
**Surprise Showing Grid**  
**Line 0N**



**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
***Response Ratio - Histogram***  
**Surprise Showing Grid**  
**Line 450N**



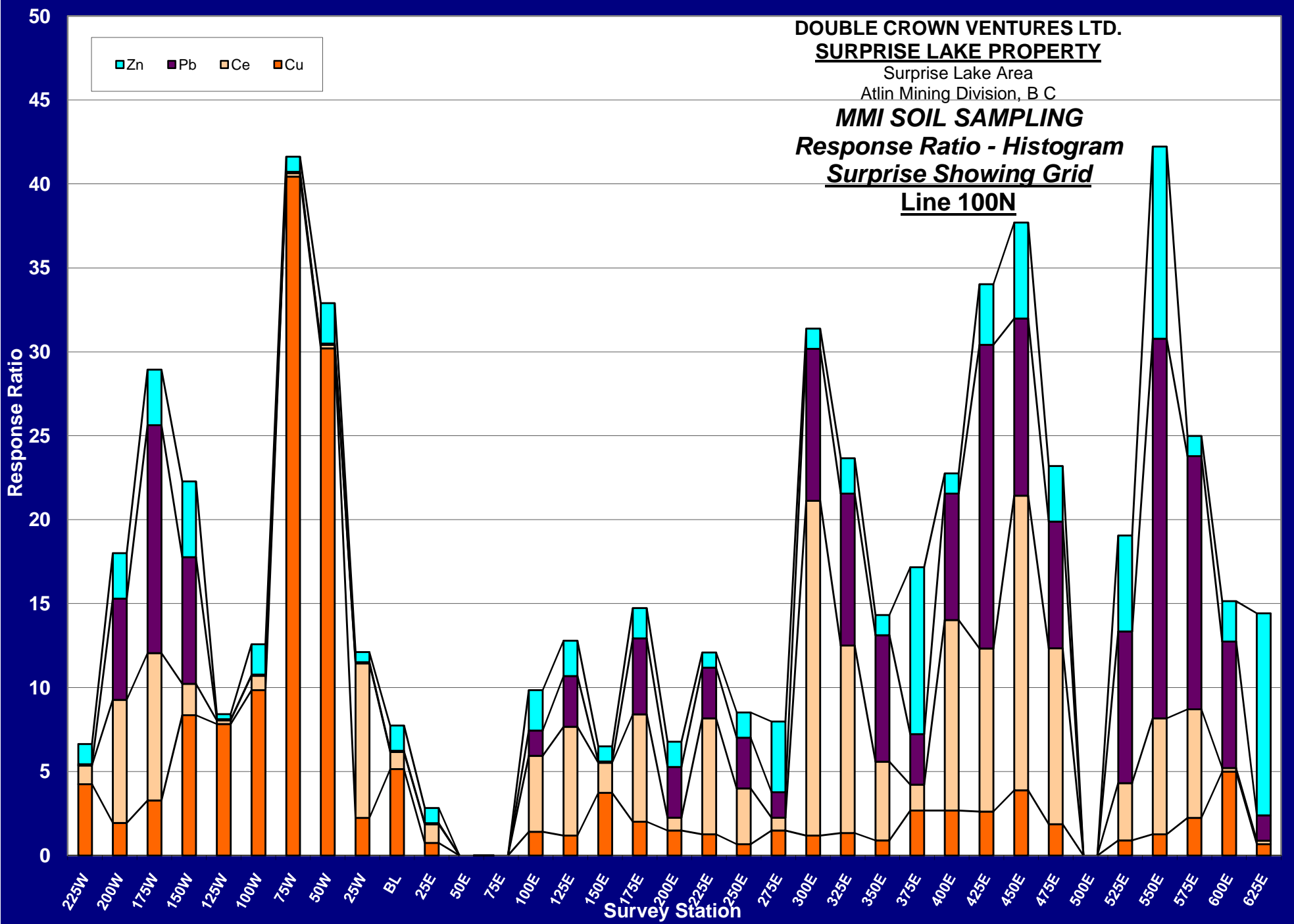
**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
*Response Ratio - Histogram*  
*Surprise Showing Grid*  
Line 50N



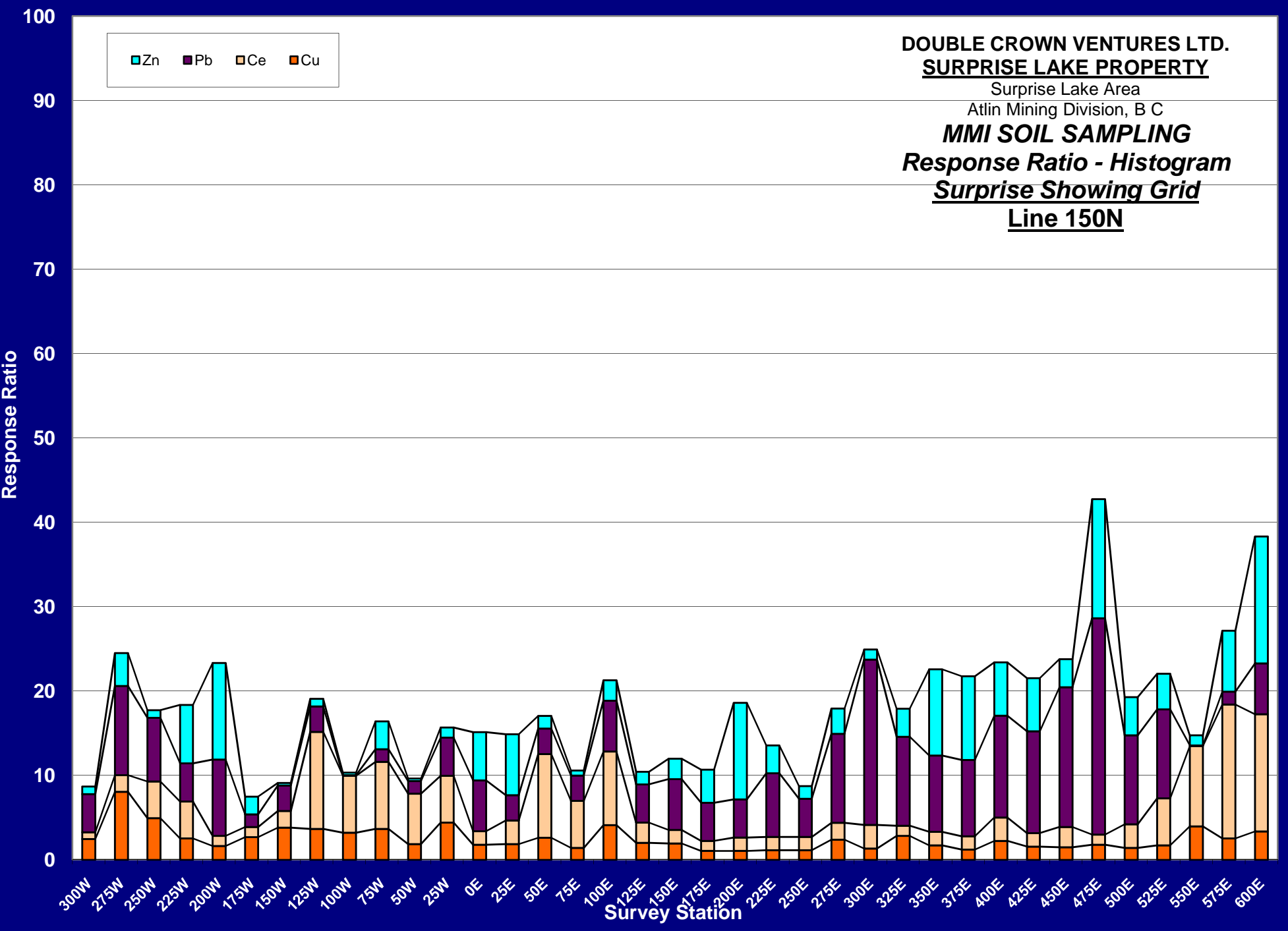
**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Surprise Lake Area  
Atlin Mining Division, B.C.

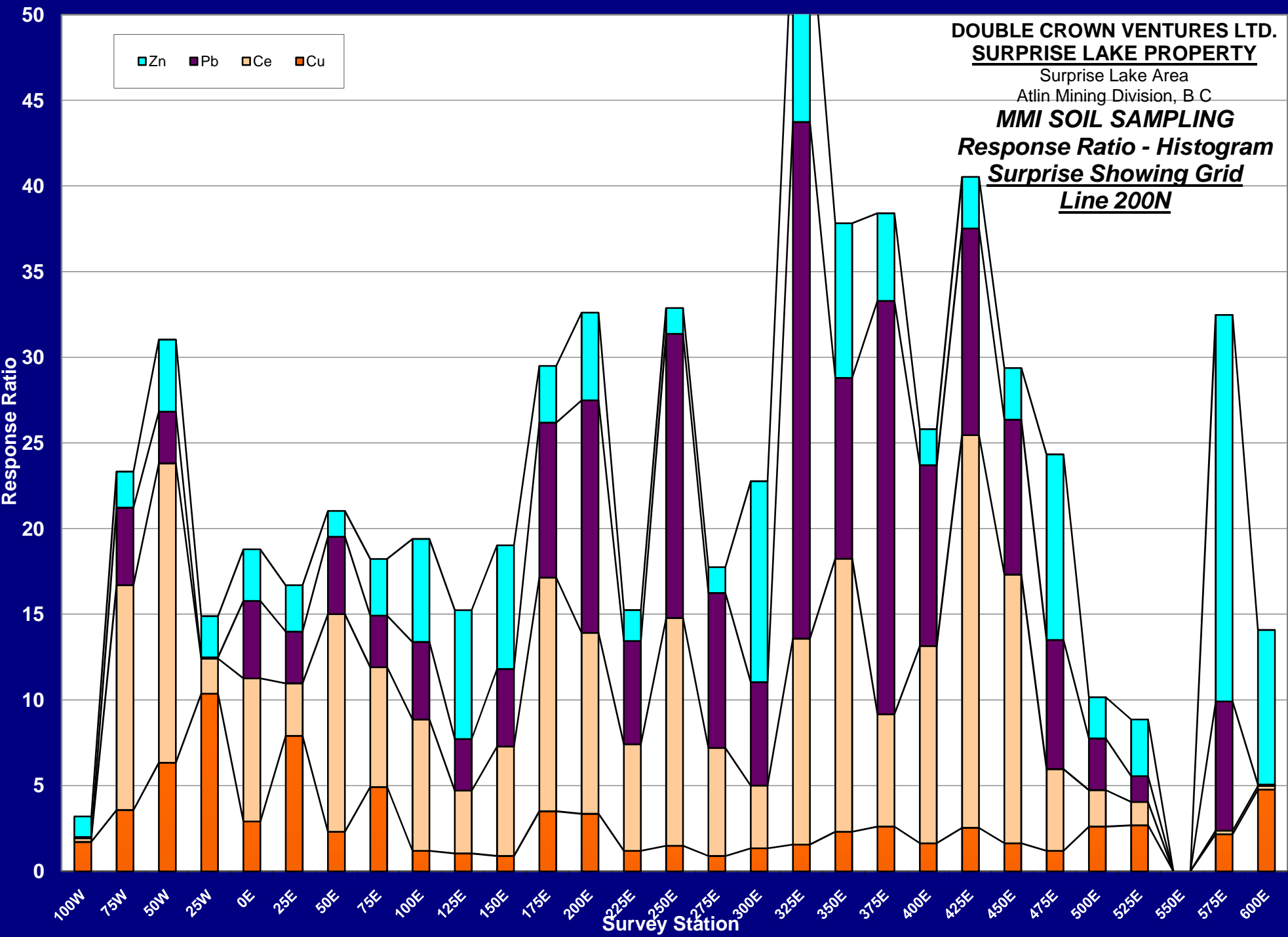
**MMI SOIL SAMPLING  
Response Ratio - Histogram  
Surprise Showing Grid  
Line 100N**



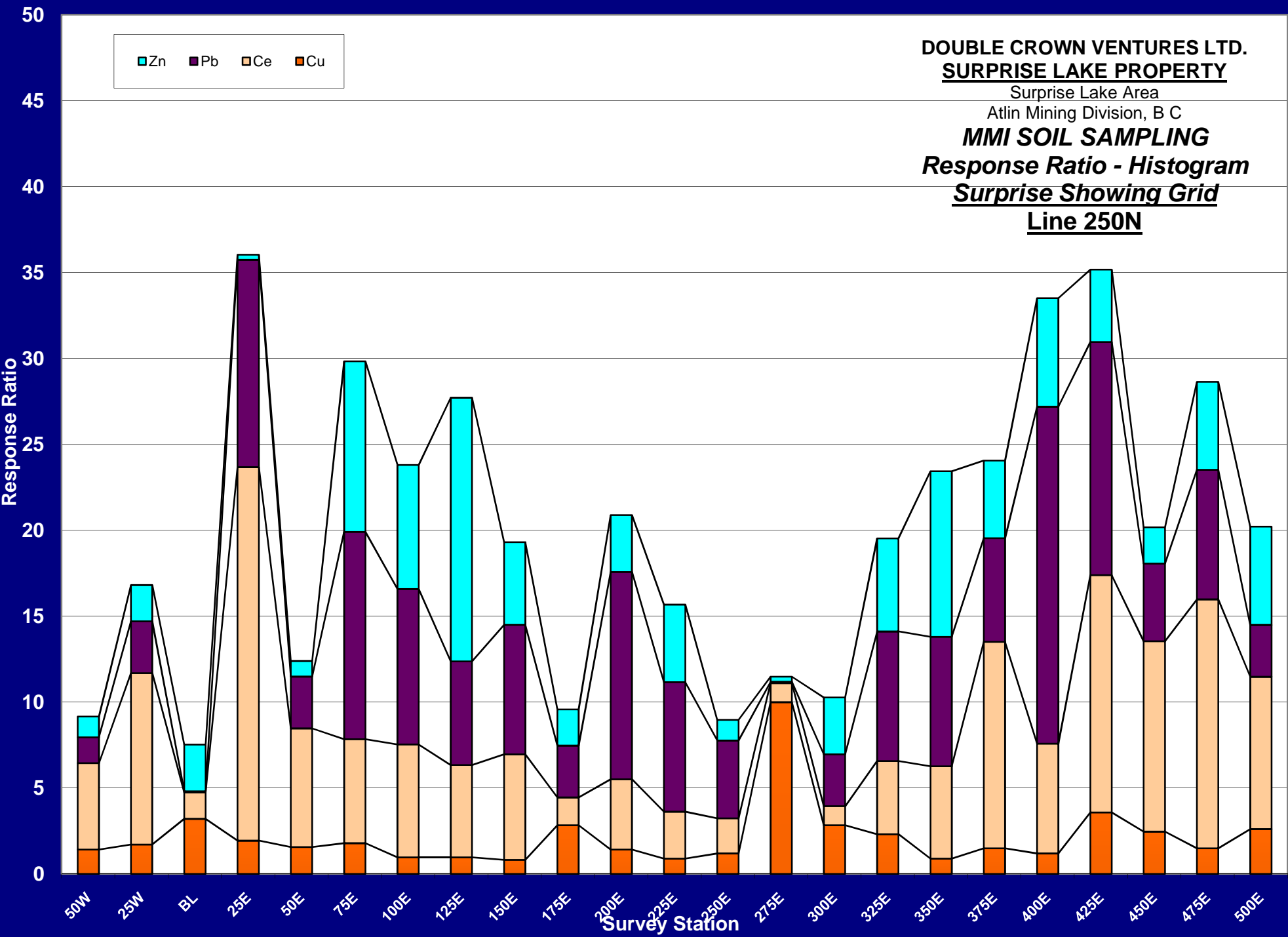
**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
***Response Ratio - Histogram***  
**Surprise Showing Grid**  
**Line 150N**



**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
*Response Ratio - Histogram*  
*Surprise Showing Grid*  
*Line 200N*



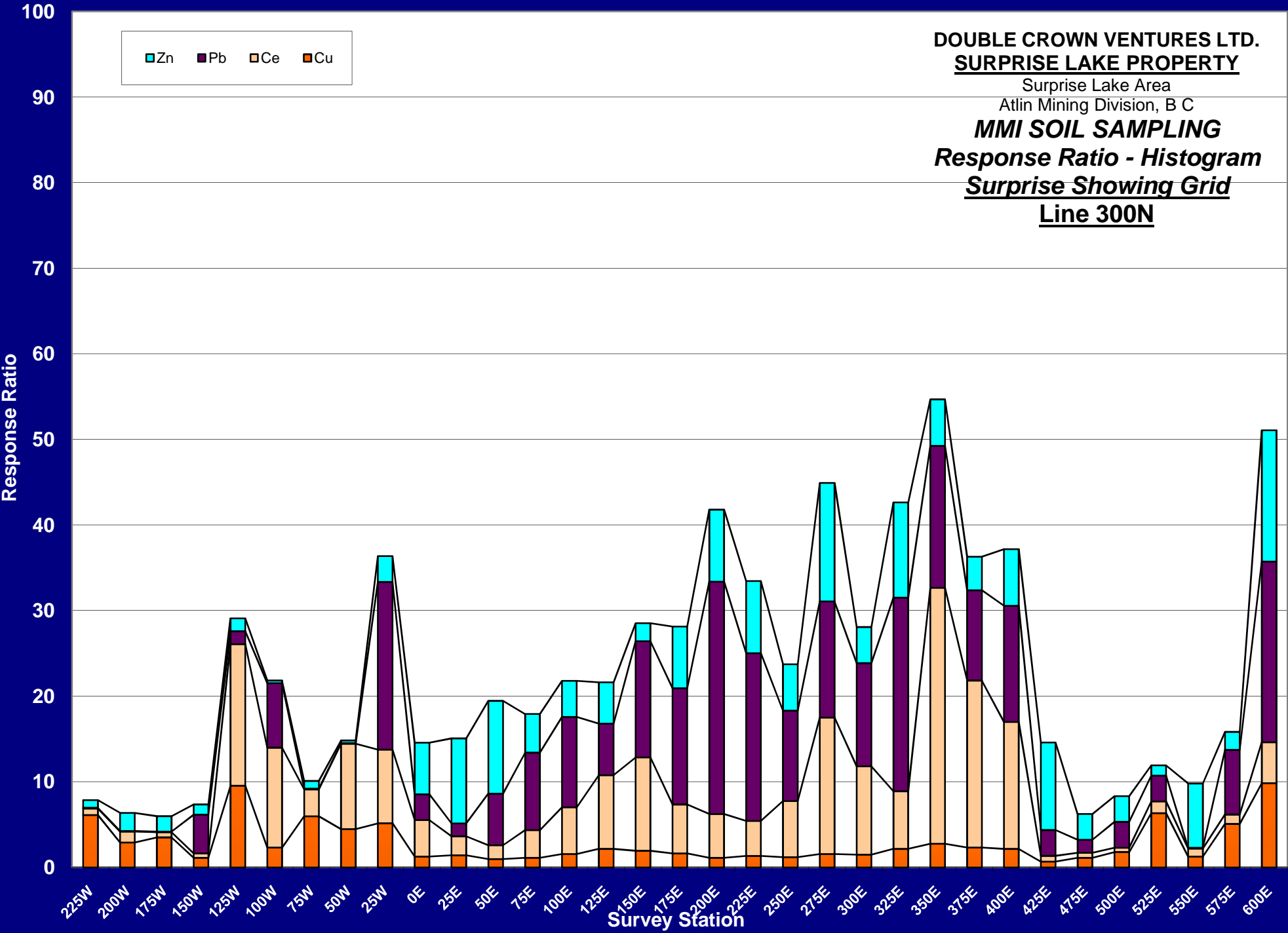
**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
***Response Ratio - Histogram***  
**Surprise Showing Grid**  
**Line 250N**



**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**

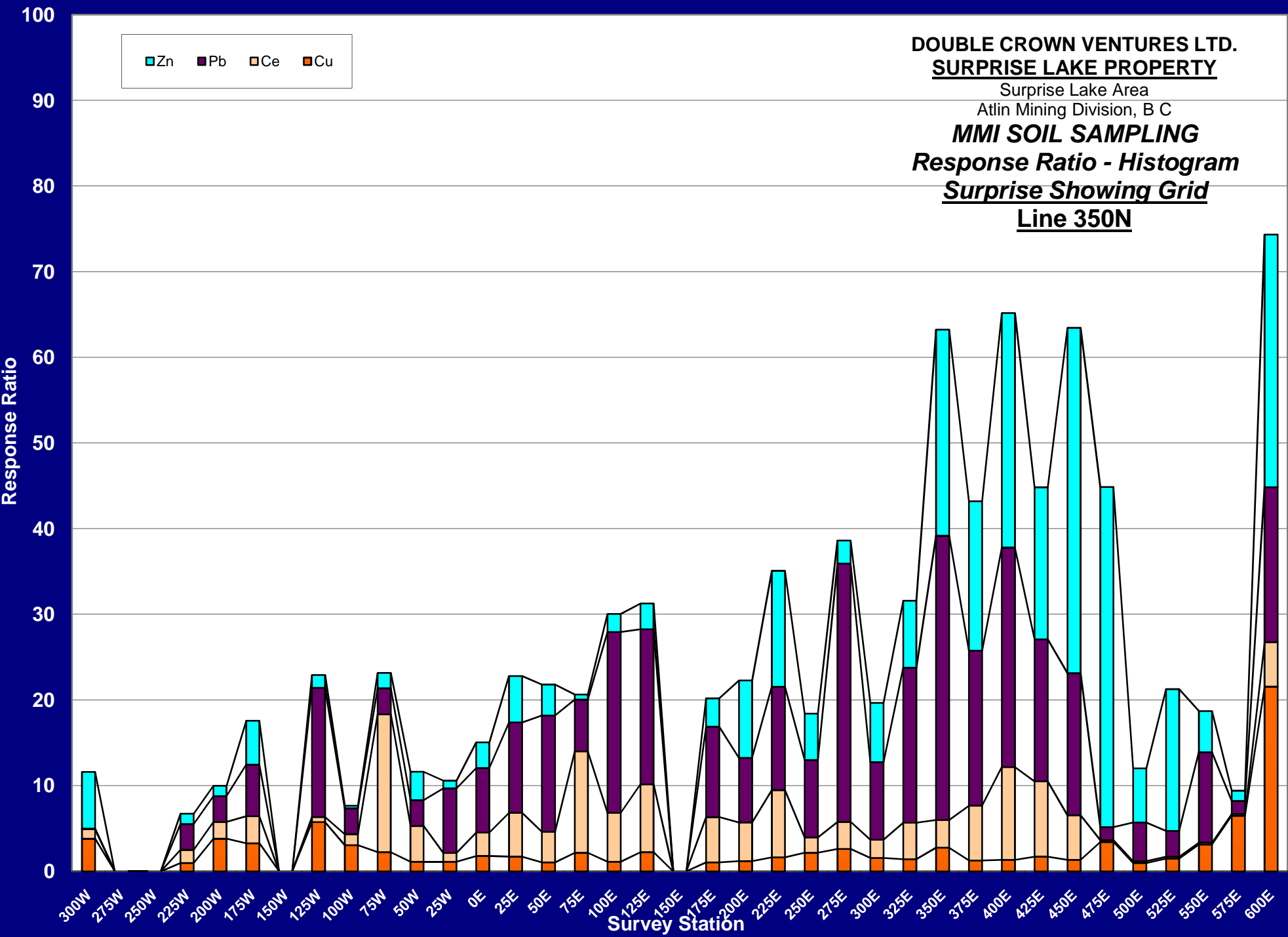
Surprise Lake Area  
Atlin Mining Division, B C

**MMI SOIL SAMPLING**  
***Response Ratio - Histogram***  
**Surprise Showing Grid**  
**Line 300N**





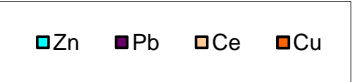
**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
***Response Ratio - Histogram***  
**Surprise Showing Grid**  
**Line 350N**



**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Surprise Lake Area  
Atlin Mining Division, B C

***MMI SOIL SAMPLING  
Response Ratio - Histogram  
Surprise Showing Grid  
Line 400N***

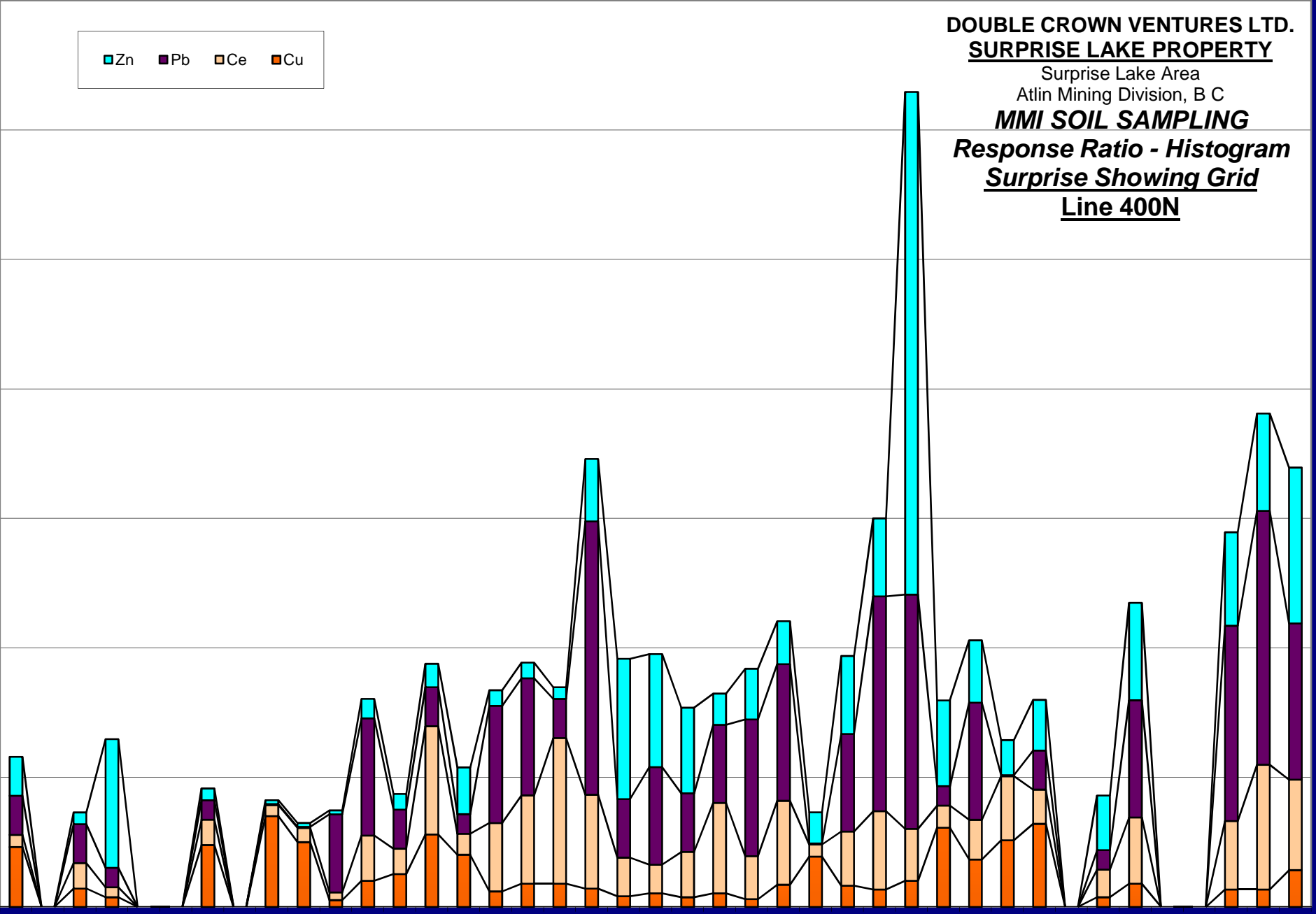


Response Ratio

70  
60  
50  
40  
30  
20  
10  
0

400W 375W 350W 325W 300W 275W 250W 225W 200W 175W 150W 125W 100W 75W 50W 25W BL 25E 50E 75E 100E 125E 150E 175E 200E 225E 250E 275E 300E 325E 350E 375E 400E 425E 450E 475E 500E 525E 550E 575E 600E

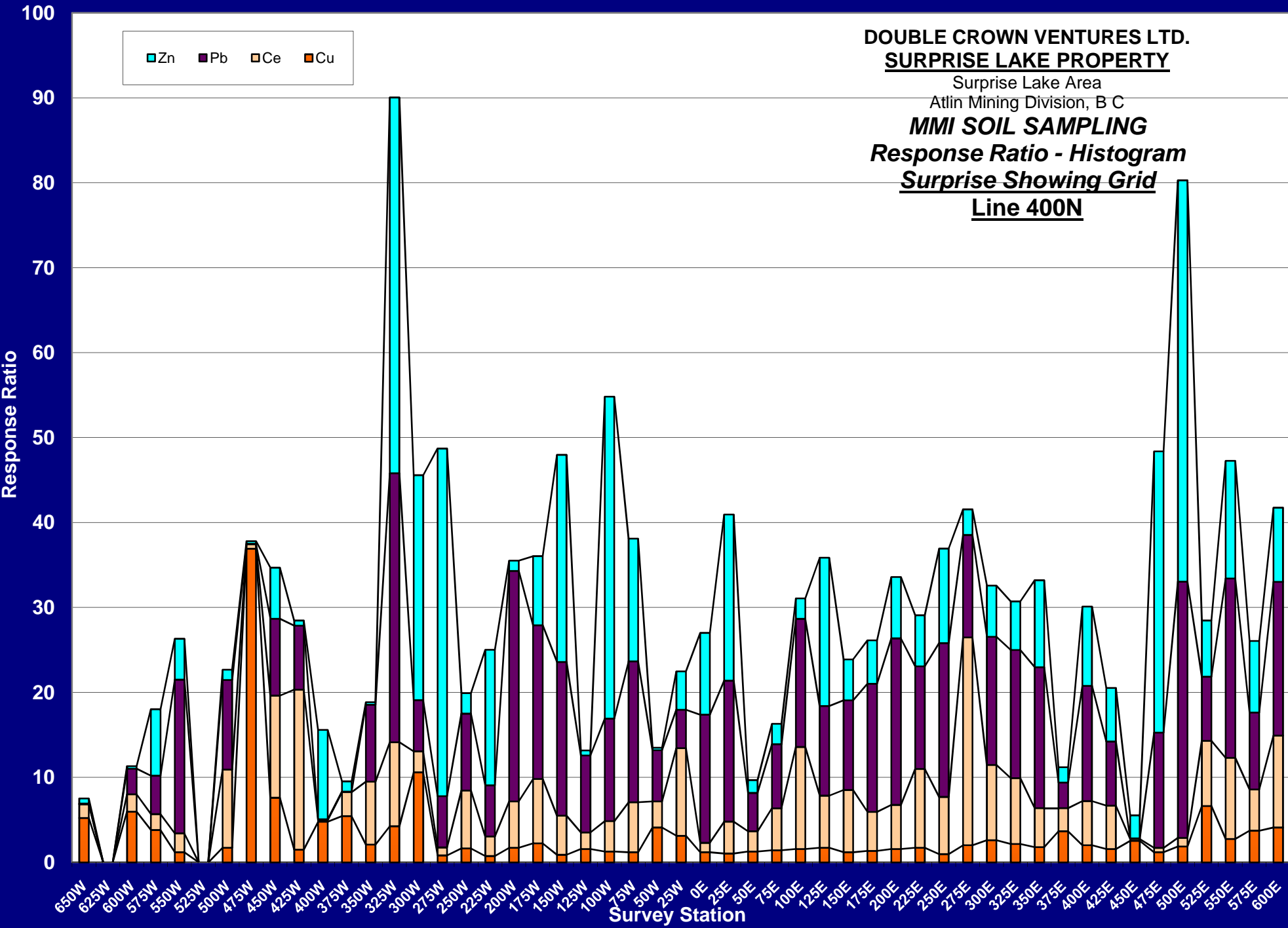
Survey Station



**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Surprise Lake Area  
Atlin Mining Division, B C

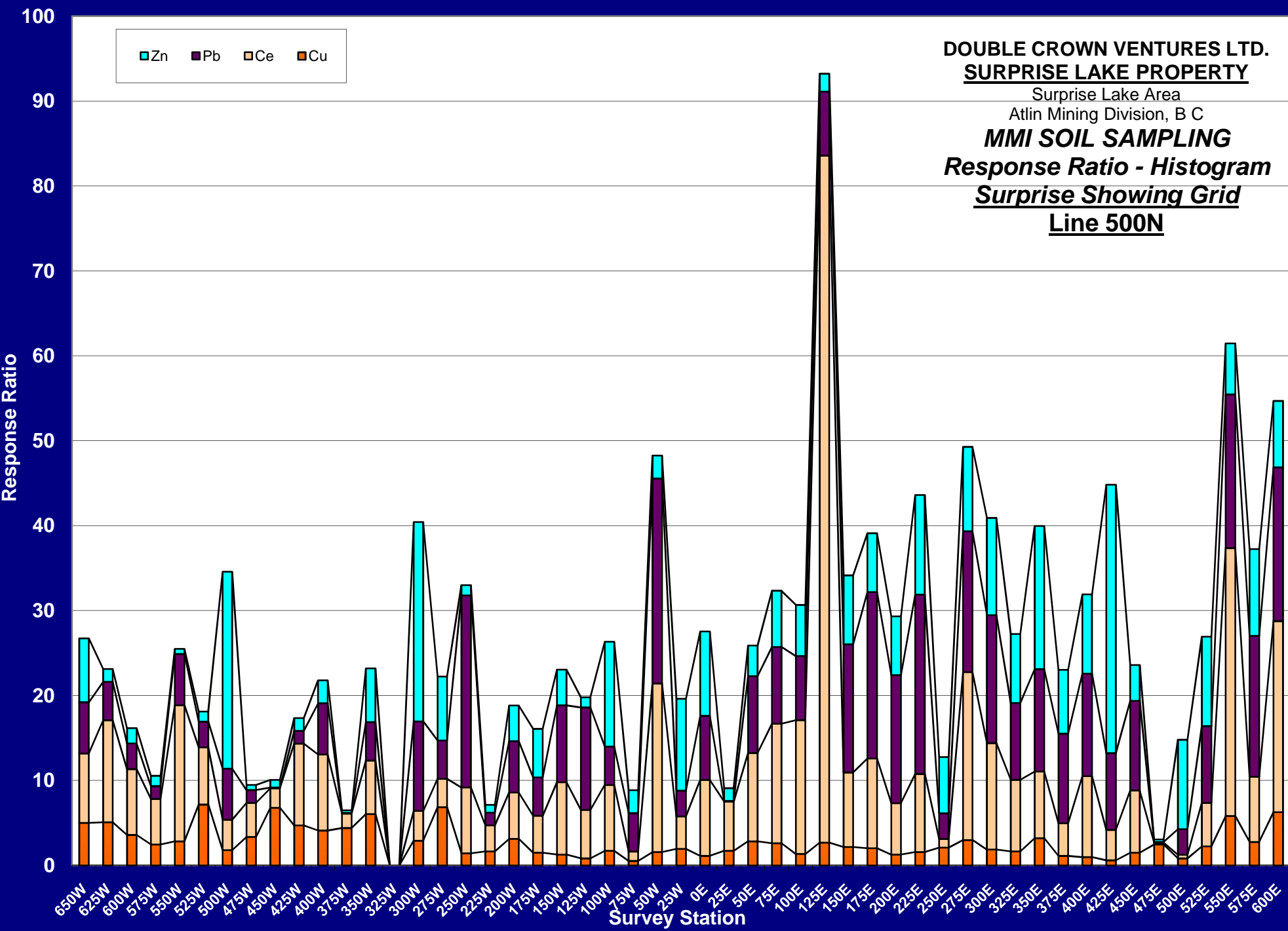
**MMI SOIL SAMPLING  
Response Ratio - Histogram  
Surprise Showing Grid  
Line 400N**



**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Surprise Lake Area  
Atlin Mining Division, B C

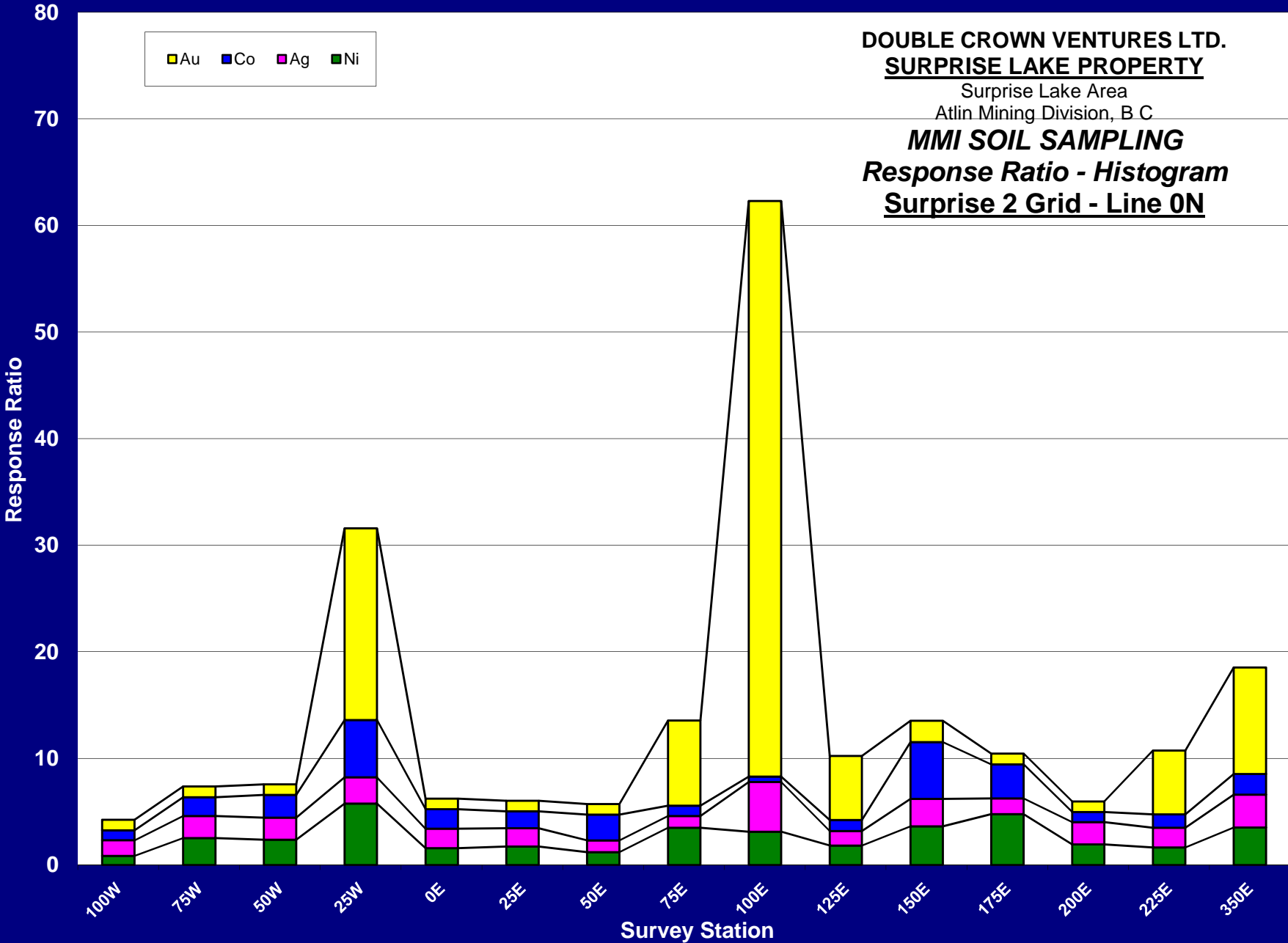
**MMI SOIL SAMPLING  
Response Ratio - Histogram  
Surprise Showing Grid  
Line 500N**



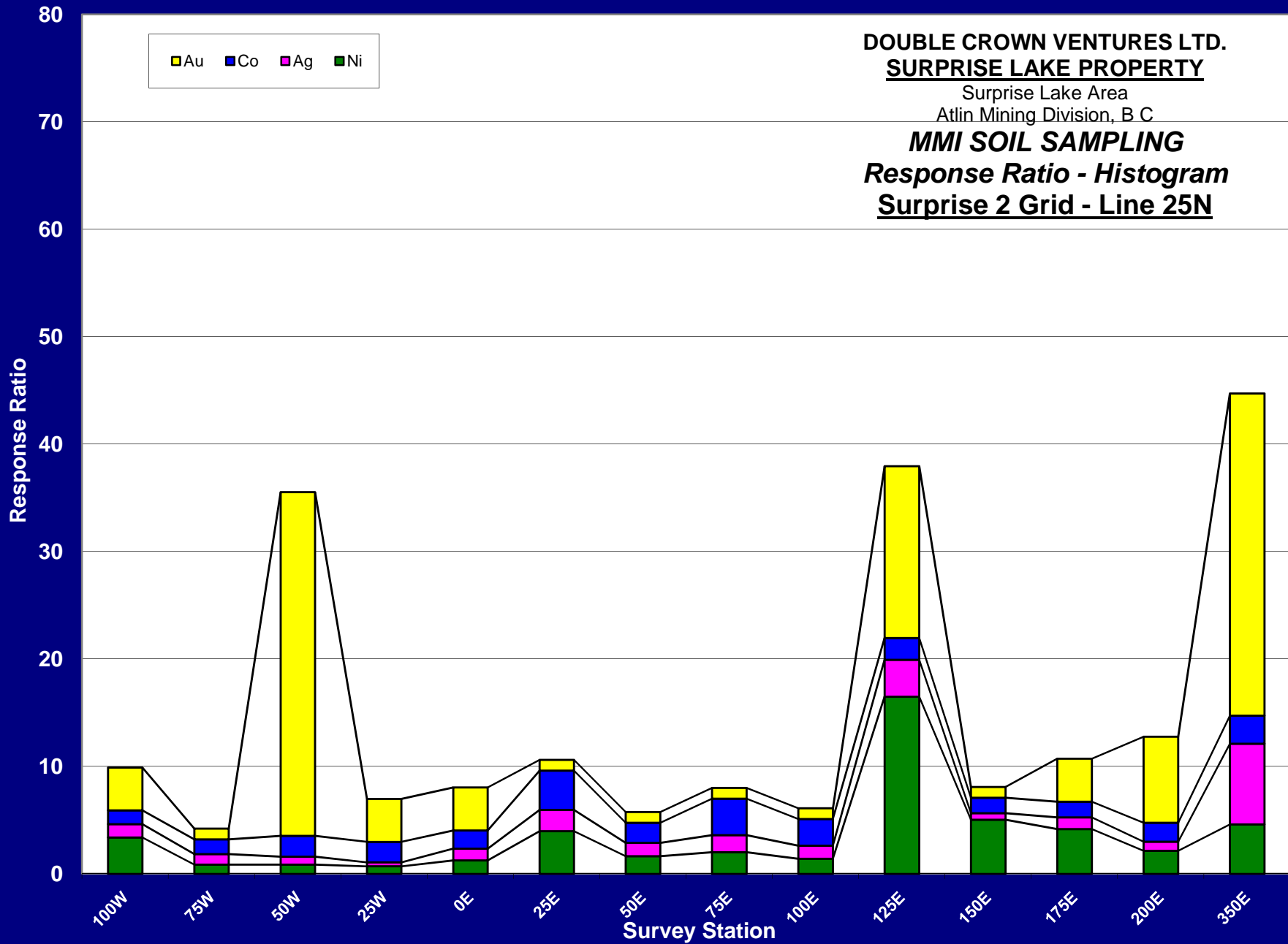
**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

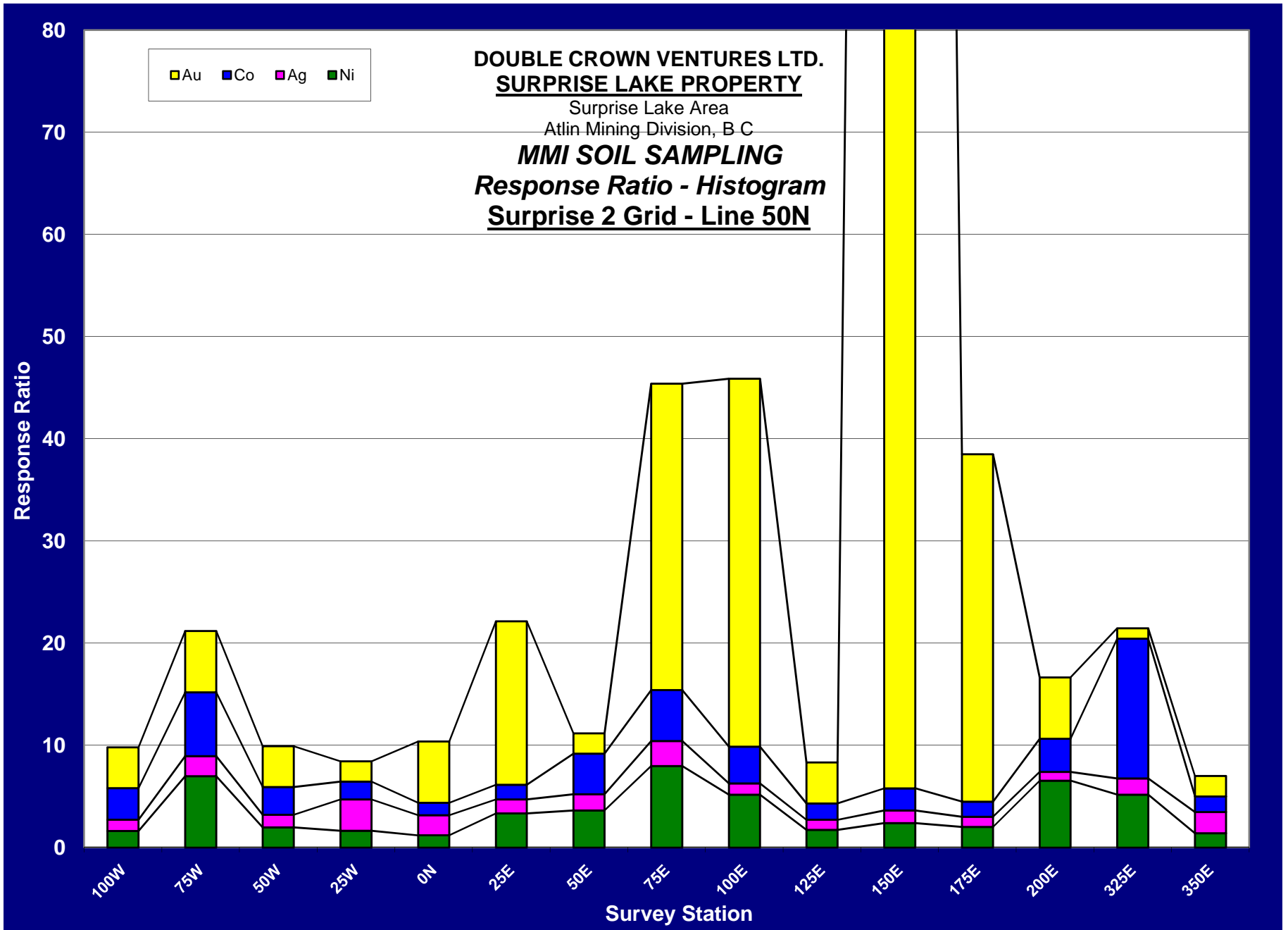
Surprise Lake Area  
Atlin Mining Division, B C

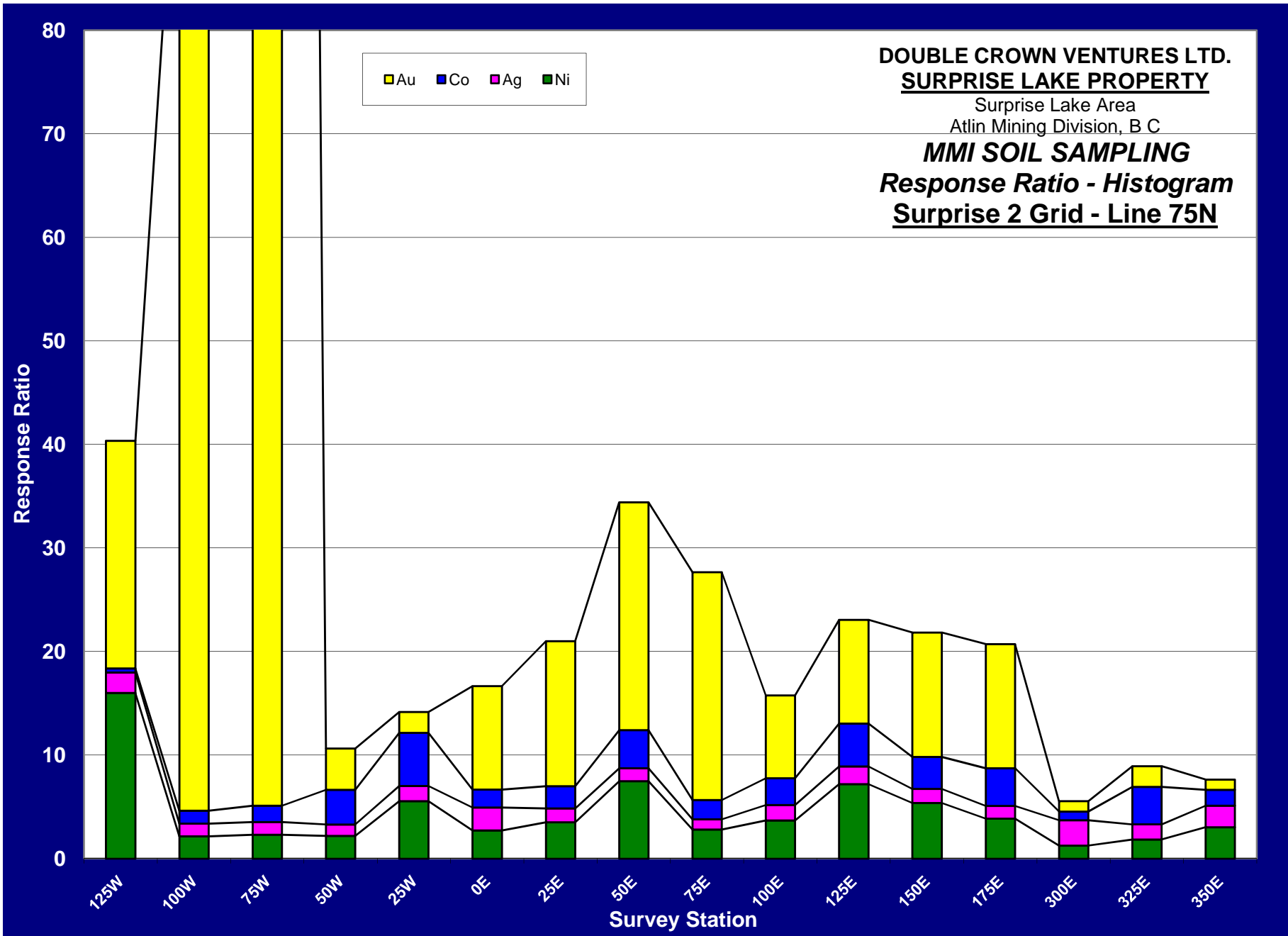
**MMI SOIL SAMPLING  
Response Ratio - Histogram  
Surprise 2 Grid - Line 0N**



**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
*Response Ratio - Histogram*  
**Surprise 2 Grid - Line 25N**

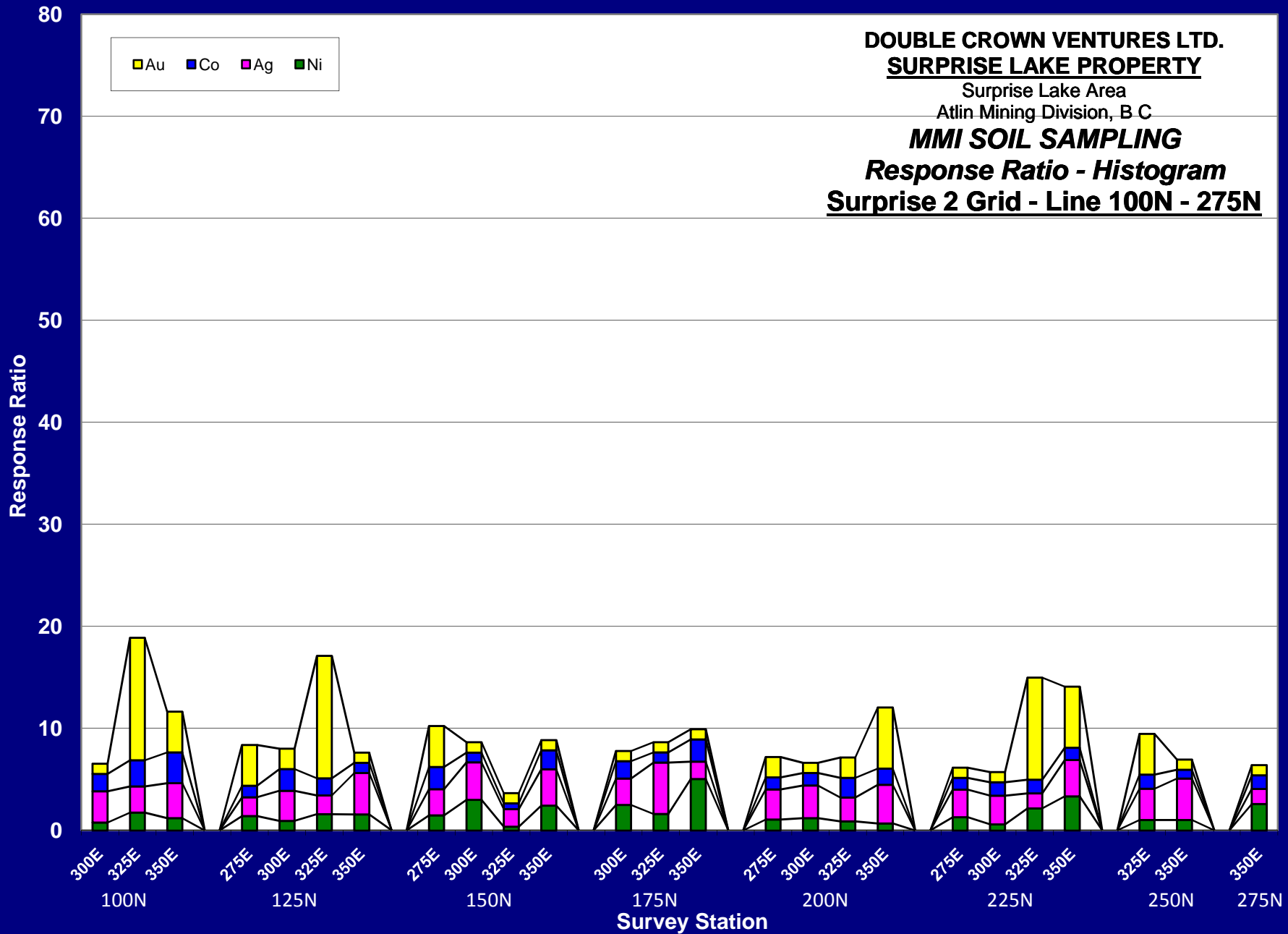








**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B.C.  
**MMI SOIL SAMPLING**  
**Response Ratio - Histogram**  
**Surprise 2 Grid - Line 100N - 275N**



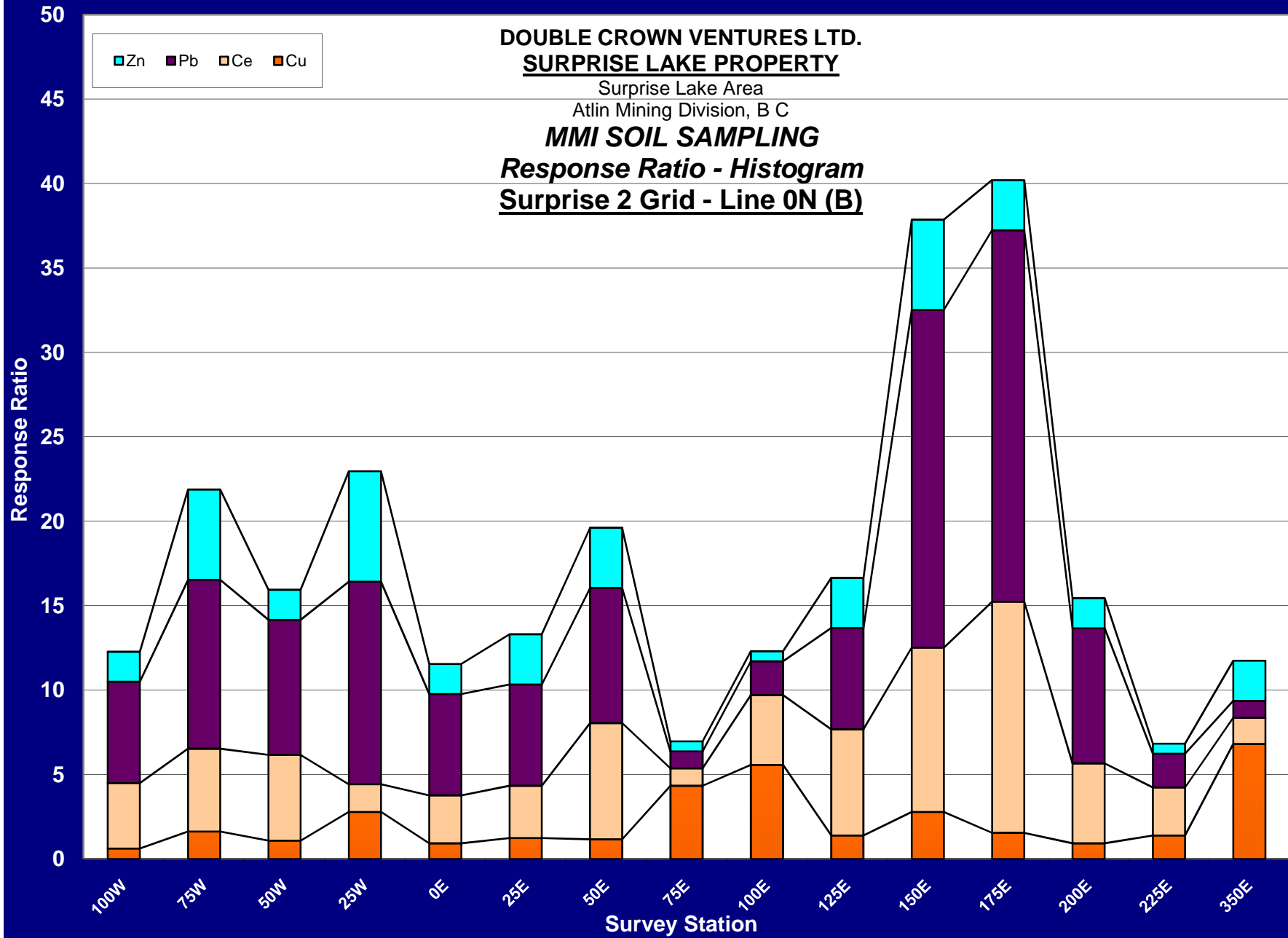
**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Surprise Lake Area  
Atlin Mining Division, B C

**MMI SOIL SAMPLING**

**Response Ratio - Histogram**

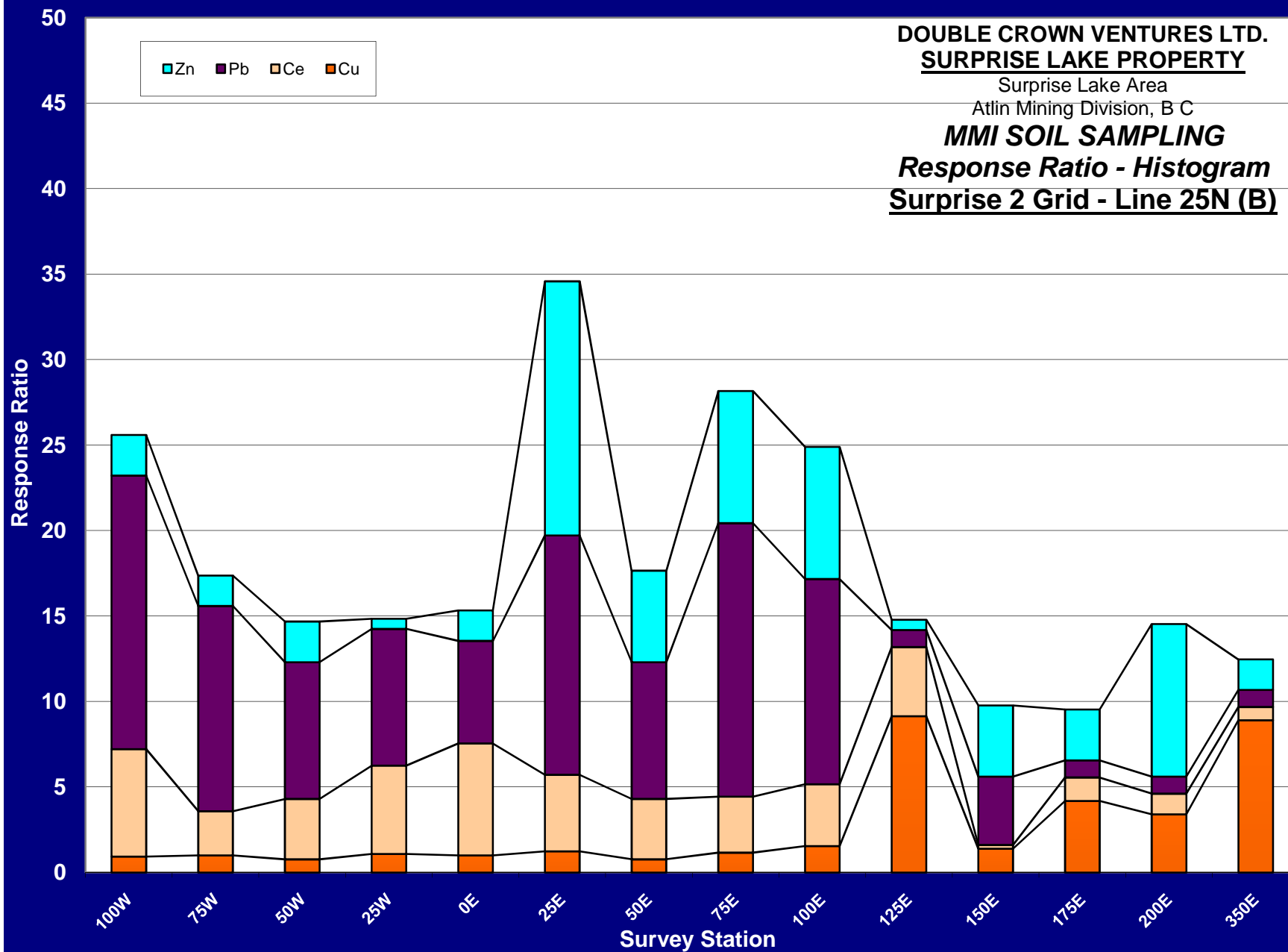
**Surprise 2 Grid - Line 0N (B)**



**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Surprise Lake Area  
Atlin Mining Division, B C

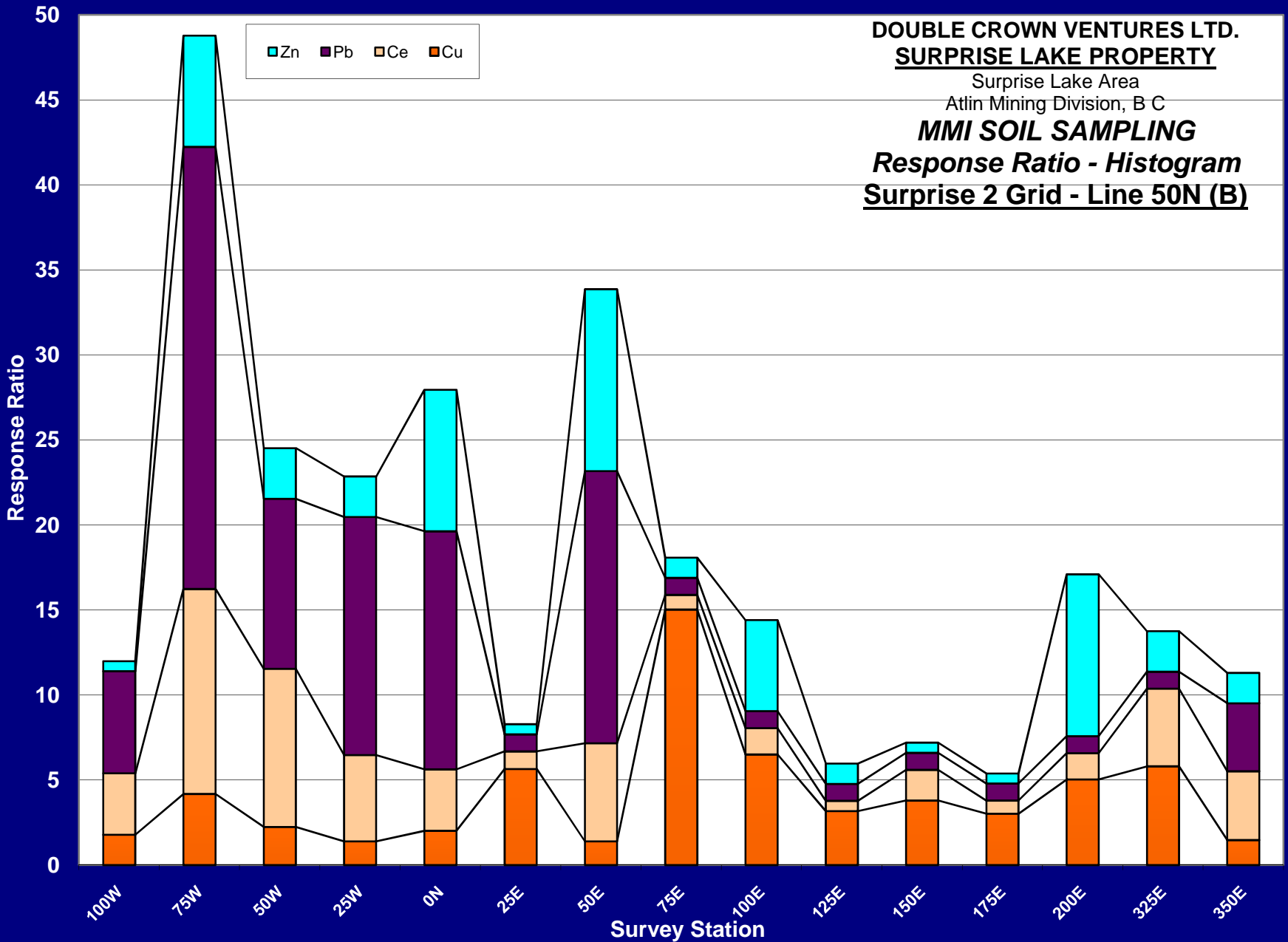
**MMI SOIL SAMPLING  
Response Ratio - Histogram  
Surprise 2 Grid - Line 25N (B)**



**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Surprise Lake Area  
Atlin Mining Division, B C

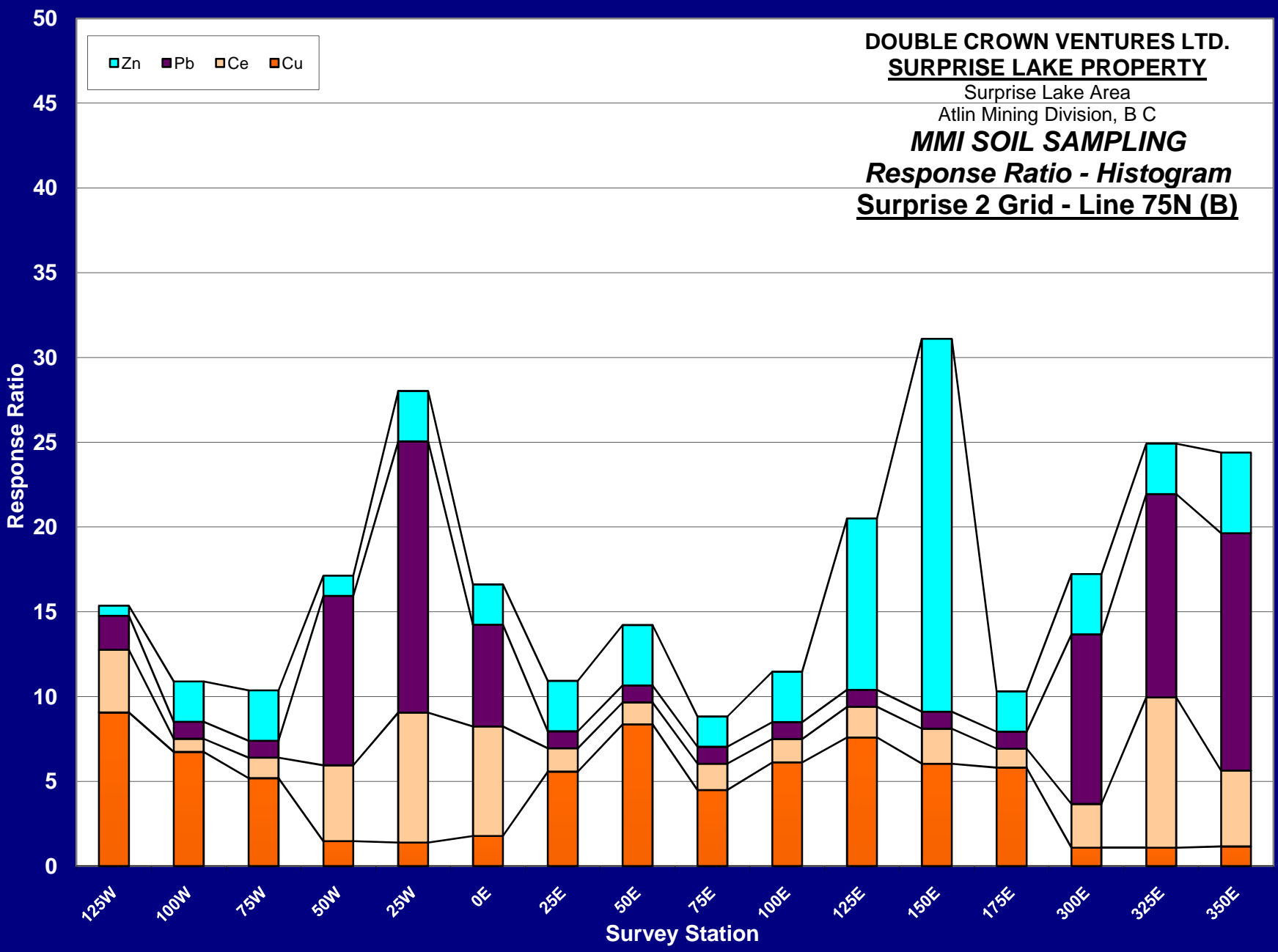
**MMI SOIL SAMPLING  
Response Ratio - Histogram  
Surprise 2 Grid - Line 50N (B)**



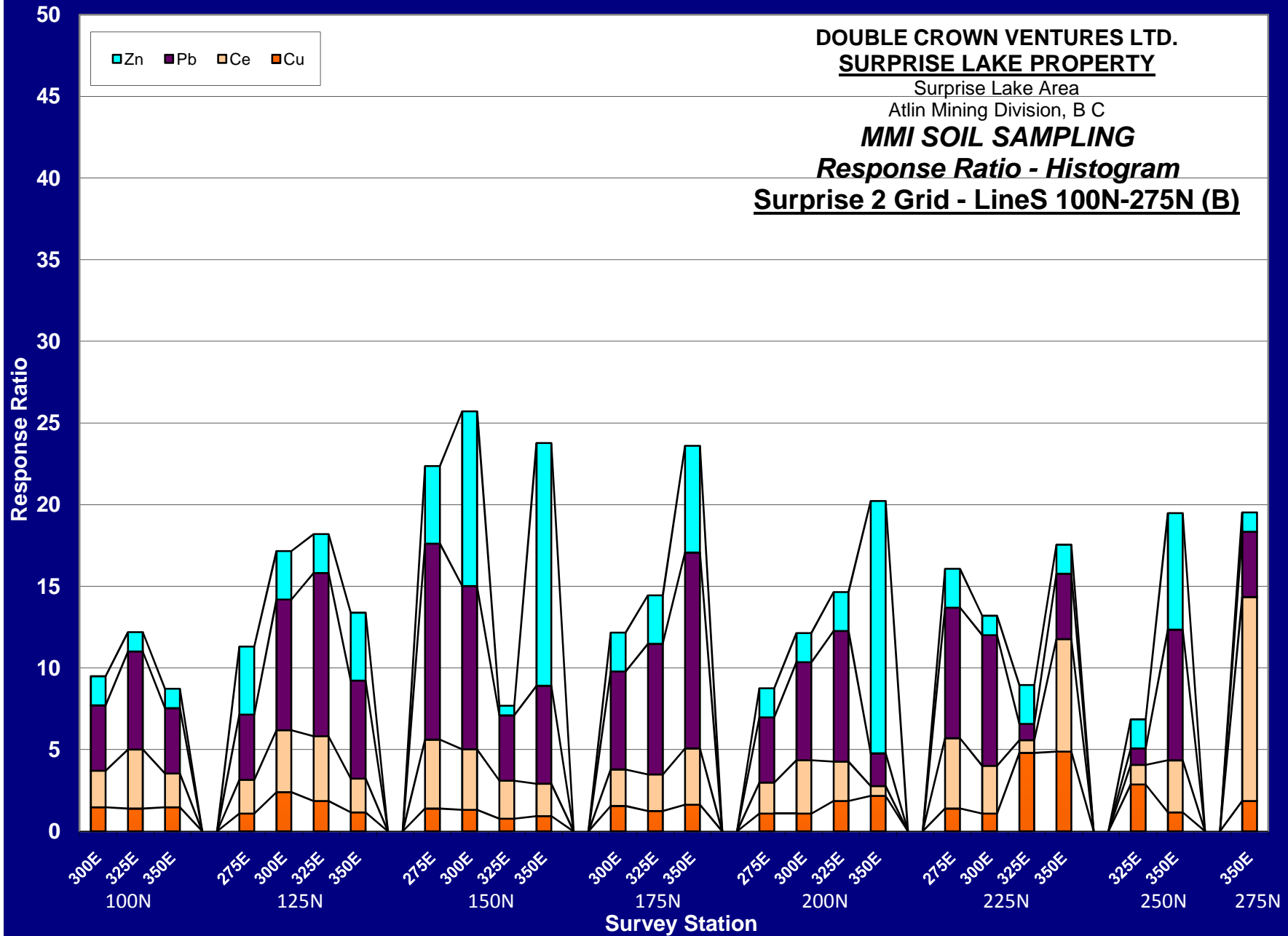
**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Surprise Lake Area  
Atlin Mining Division, B C

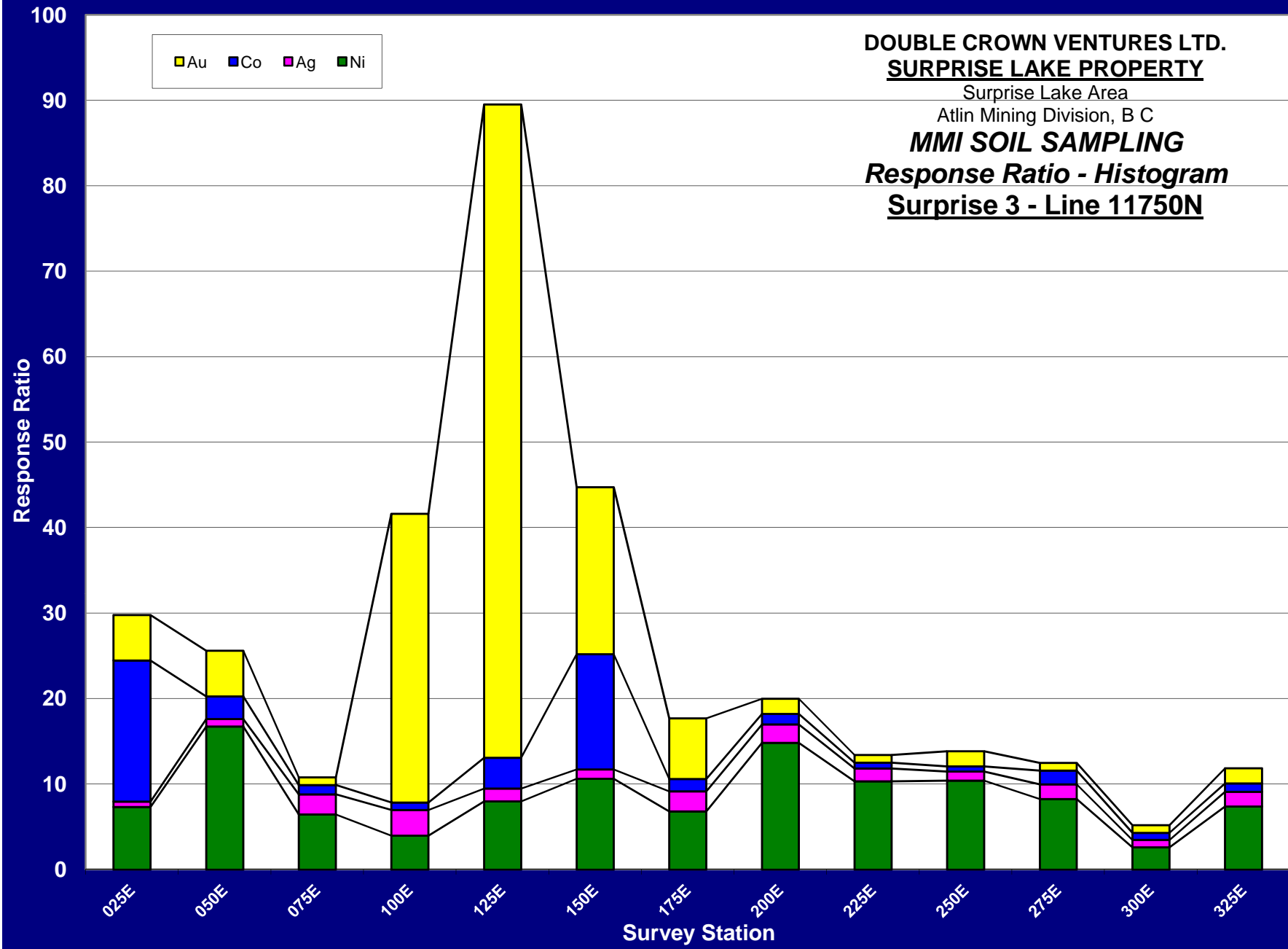
**MMI SOIL SAMPLING  
Response Ratio - Histogram  
Surprise 2 Grid - Line 75N (B)**



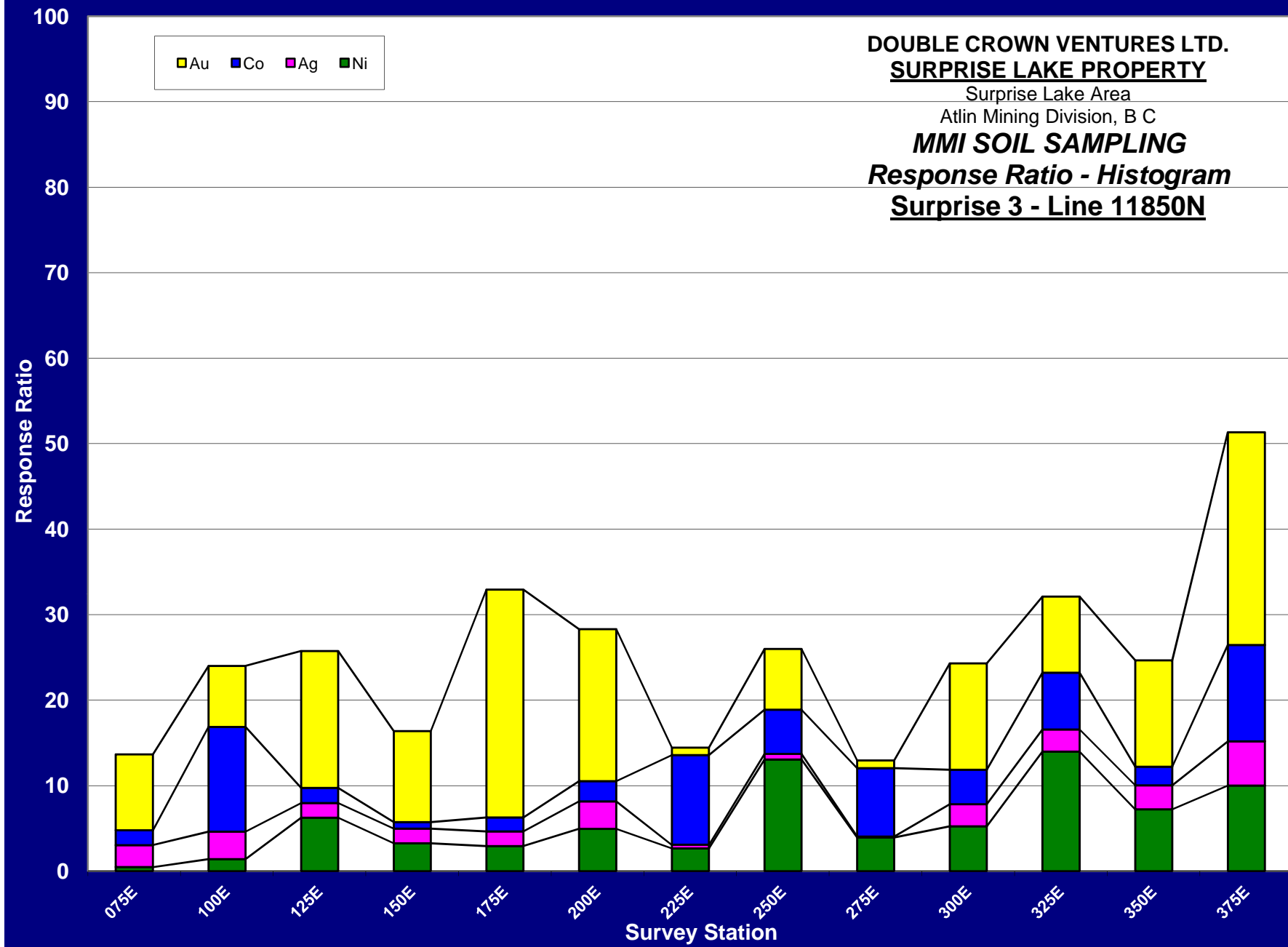
**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
*Response Ratio - Histogram*  
**Surprise 2 Grid - LineS 100N-275N (B)**



DOUBLE CROWN VENTURES LTD.  
**SURPRISE LAKE PROPERTY**  
Surprise Lake Area  
Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
*Response Ratio - Histogram*  
**Surprise 3 - Line 11750N**

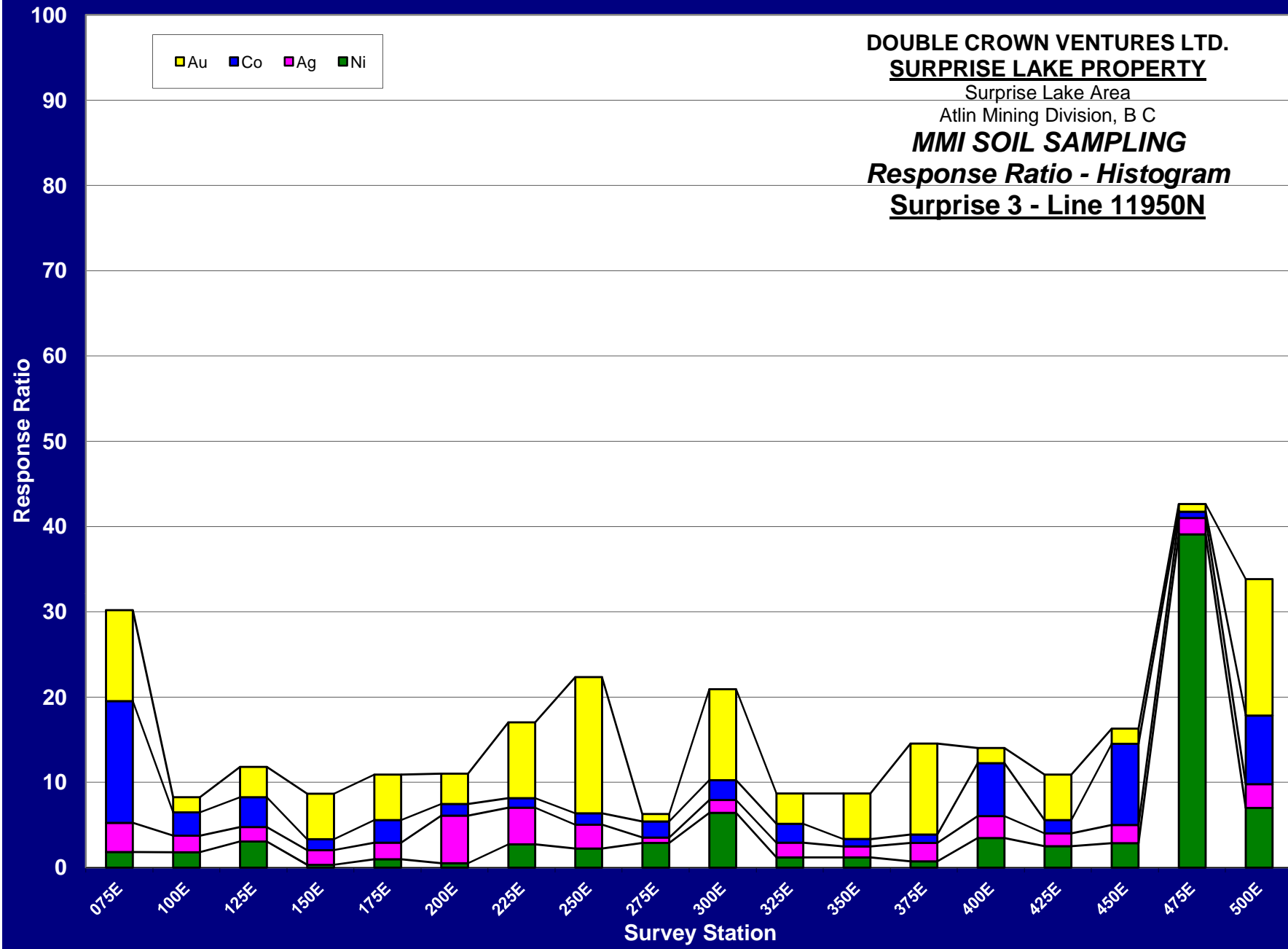


DOUBLE CROWN VENTURES LTD.  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
*Response Ratio - Histogram*  
**Surprise 3 - Line 11850N**

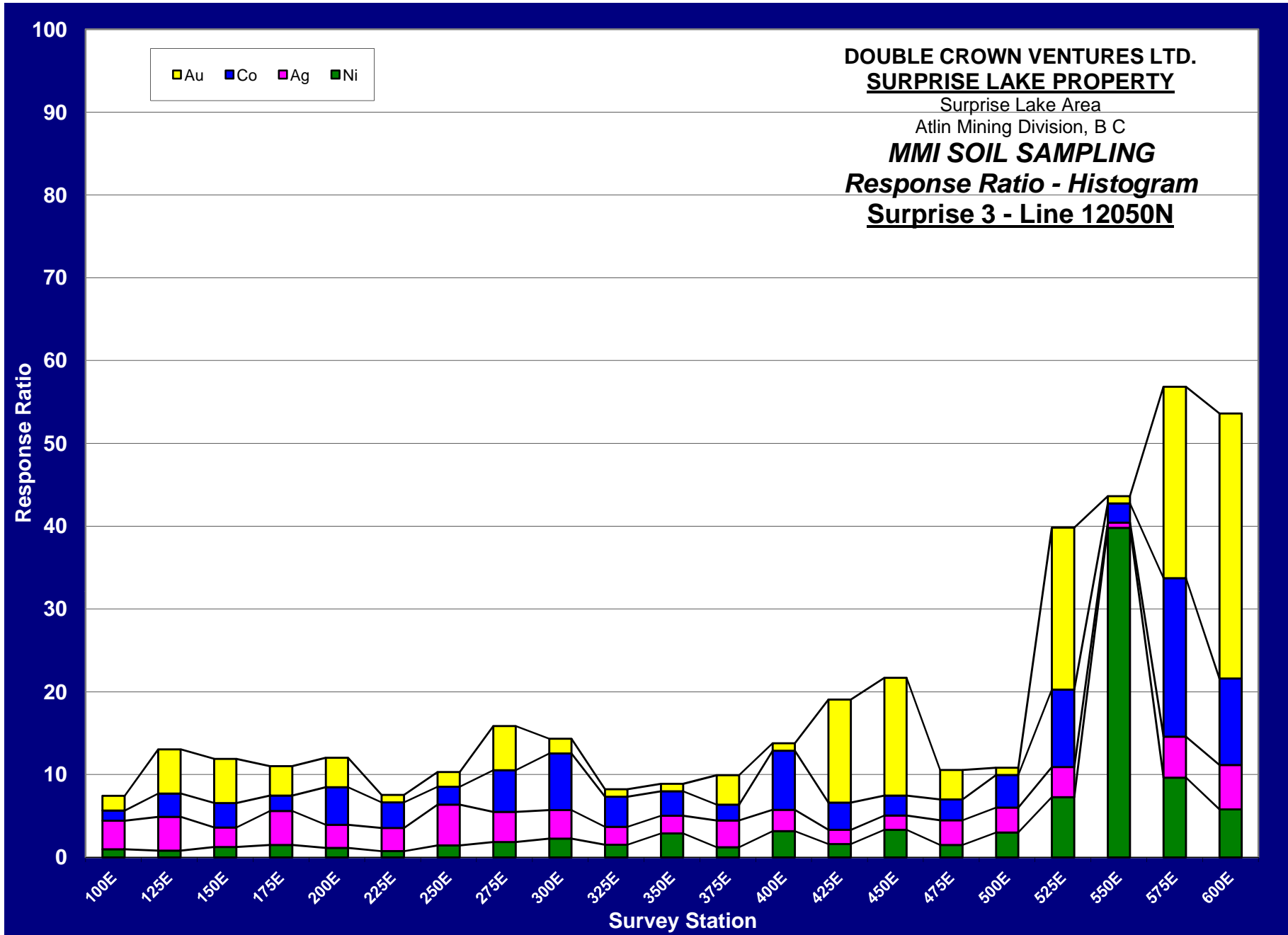




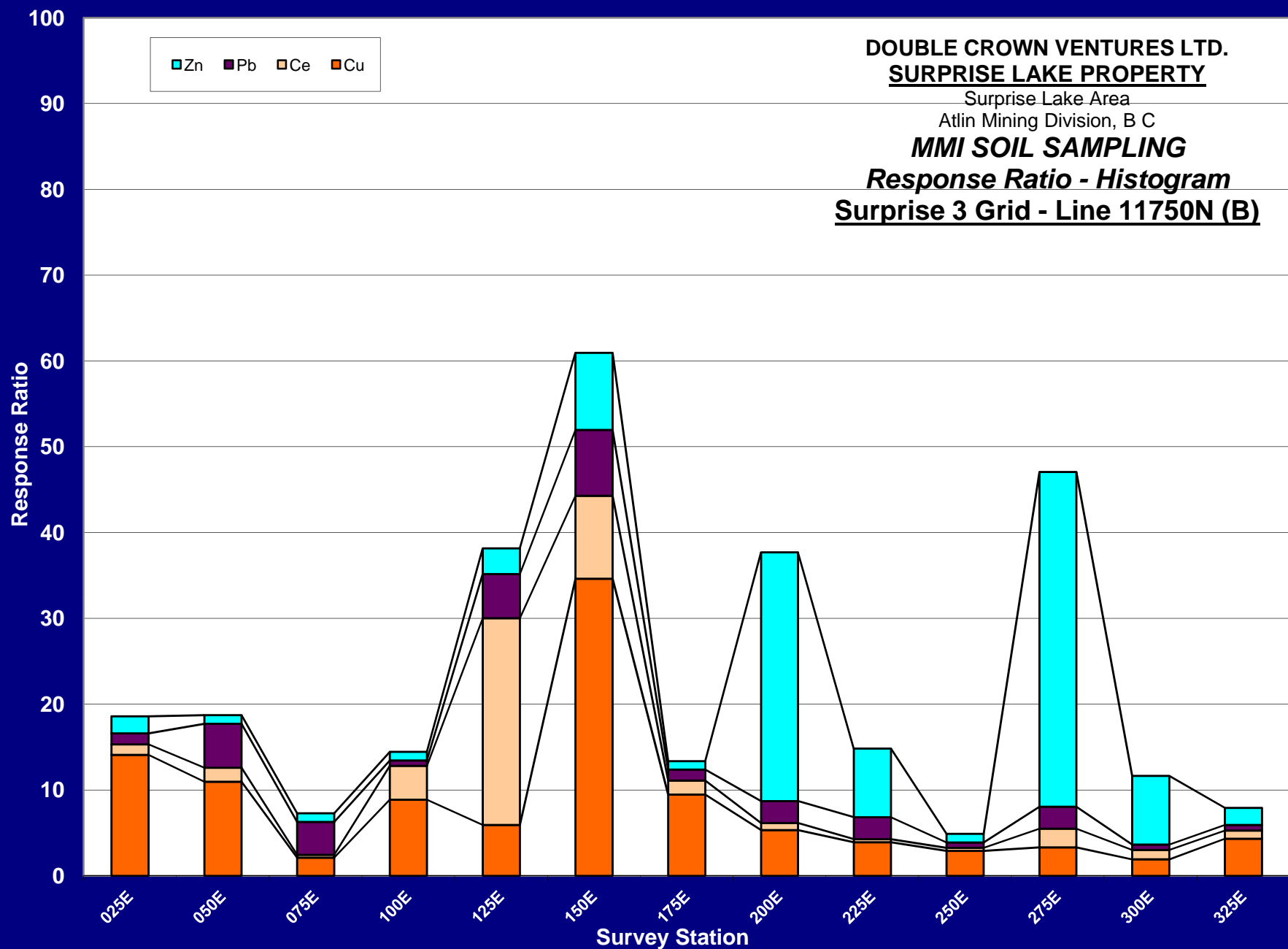
DOUBLE CROWN VENTURES LTD.  
**SURPRISE LAKE PROPERTY**  
Surprise Lake Area  
Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
*Response Ratio - Histogram*  
**Surprise 3 - Line 11950N**



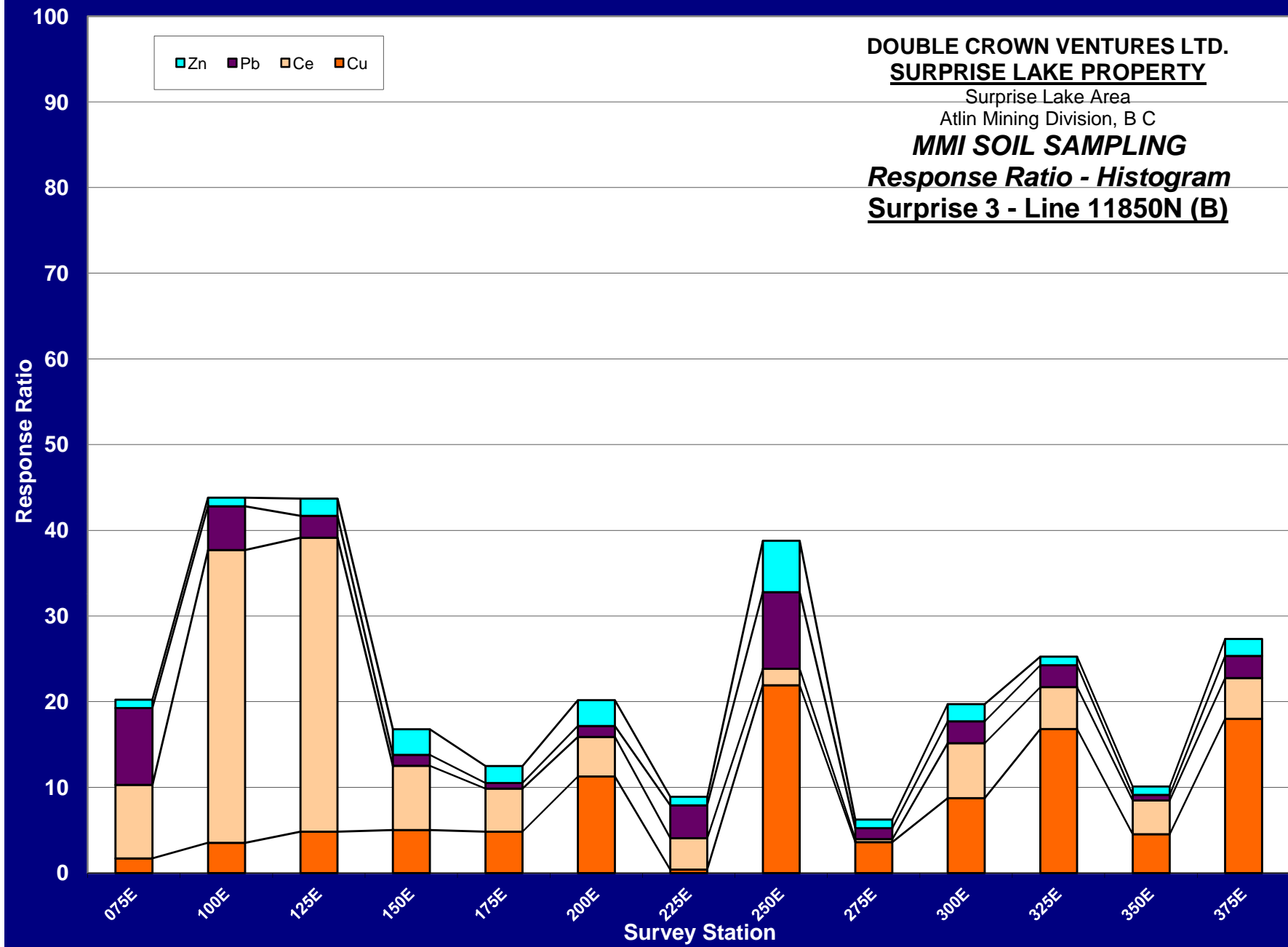
DOUBLE CROWN VENTURES LTD.  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
*Response Ratio - Histogram*  
**Surprise 3 - Line 12050N**



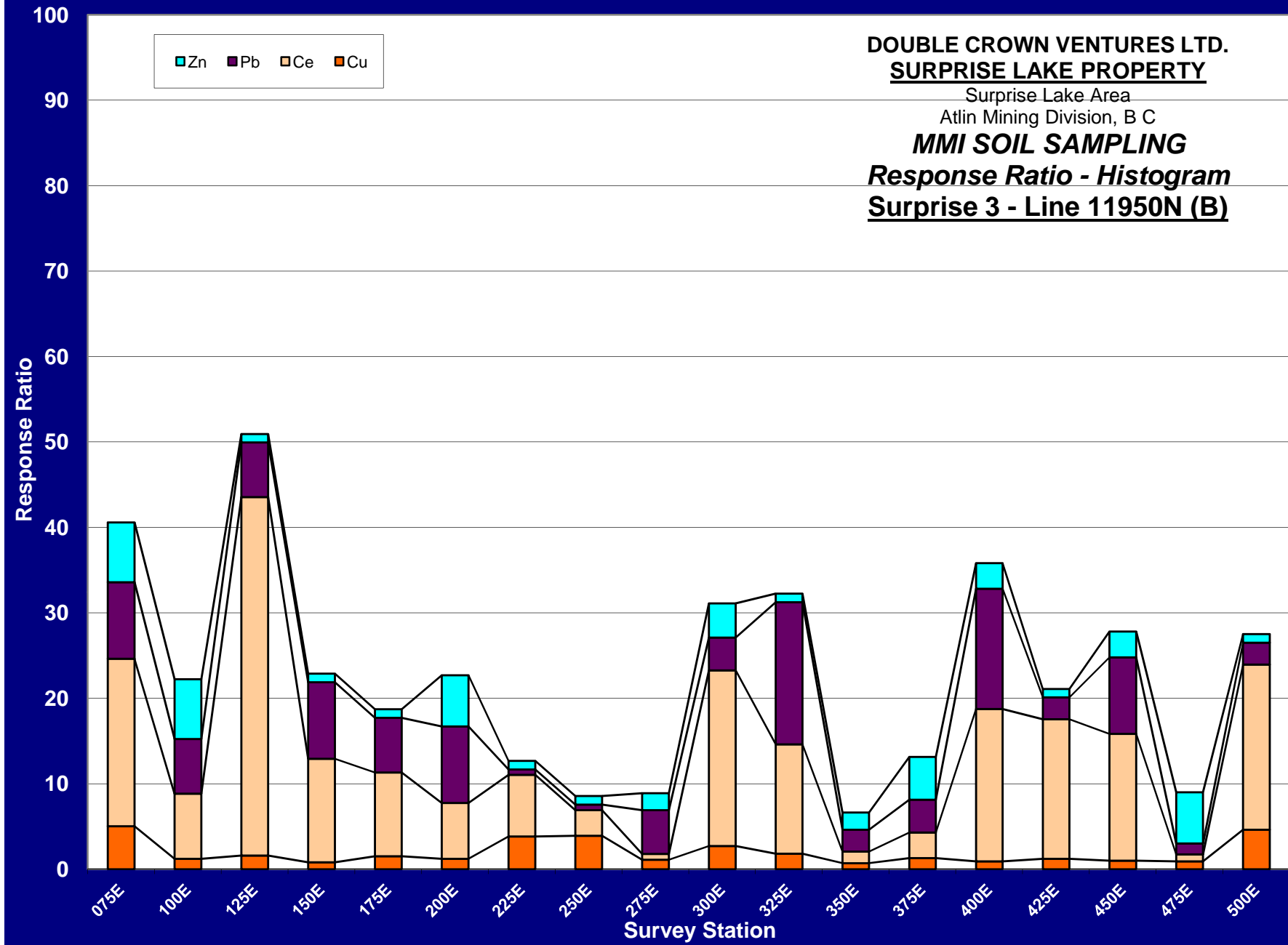
**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
Surprise Lake Area  
Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
***Response Ratio - Histogram***  
**Surprise 3 Grid - Line 11750N (B)**



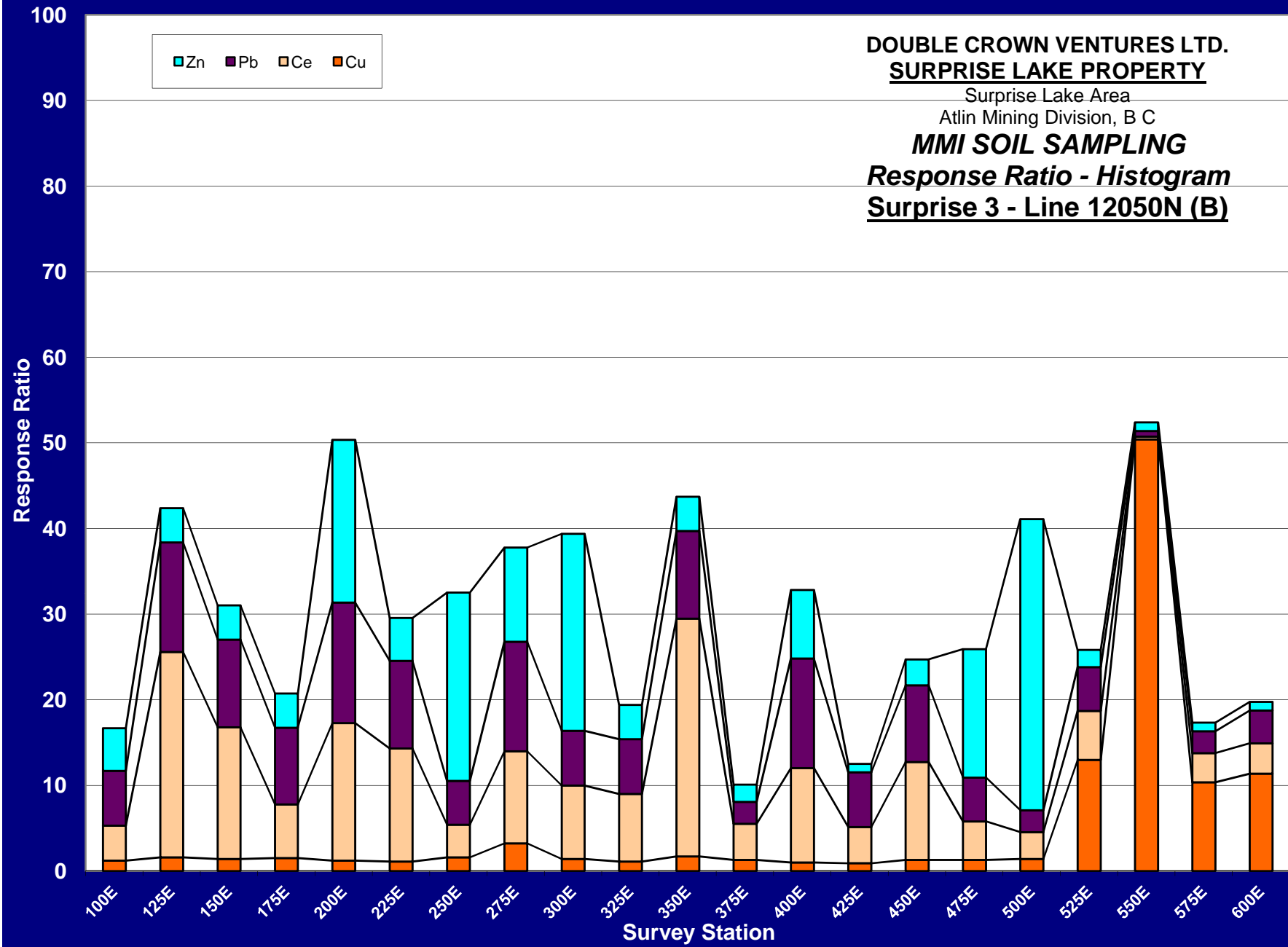
**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
Surprise Lake Area  
Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
***Response Ratio - Histogram***  
**Surprise 3 - Line 11850N (B)**



**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
Surprise Lake Area  
Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
***Response Ratio - Histogram***  
**Surprise 3 - Line 11950N (B)**



**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
***Response Ratio - Histogram***  
**Surprise 3 - Line 12050N (B)**



100

90

80

70

60

50

40

30

20

10

0

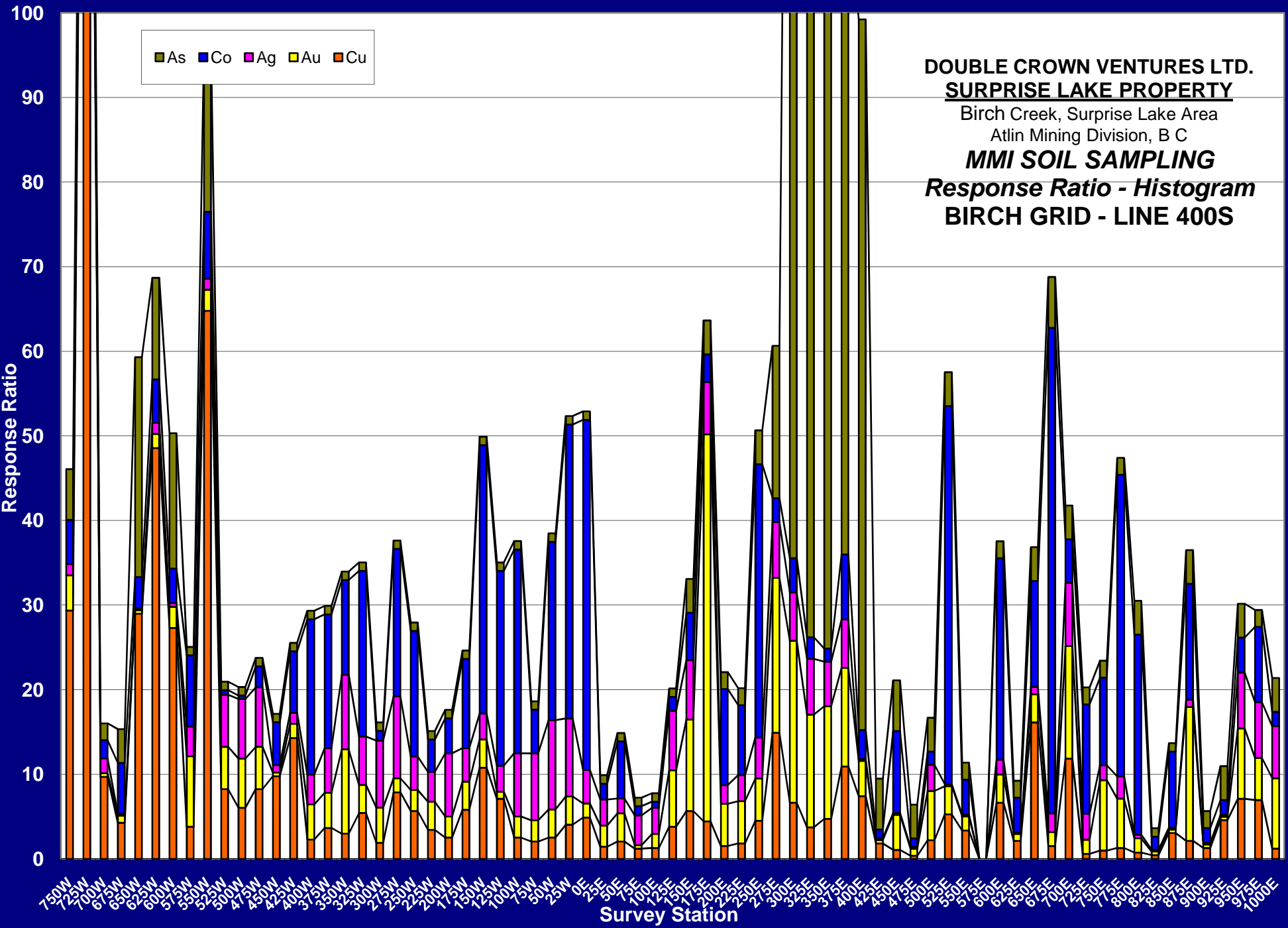
Response Ratio



**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**  
 Birch Creek, Surprise Lake Area  
 Atlin Mining Division, B C  
**MMI SOIL SAMPLING**  
*Response Ratio - Histogram*  
**BIRCH GRID - LINE 500S**

750W 725W 700W 675W 650W 625W 600W 575W 550W 525W 500W 475W 450W 425W 400W 375W 350W 325W 300W 275W 250W 225W 200W 175W 150W 125W 100W 75W 50W 25W 0E 25E 50E 75E 100E 125E 150E 175E 200E 225E 250E 275E 300E 325E 350E 375E 400E 425E 450E 475E 500E 525E 550E 575E 600E 625E 650E 675E 700E 725E 750E 775E 800E 825E 850E 875E 900E 925E 950E 975E 1000E

Survey Station

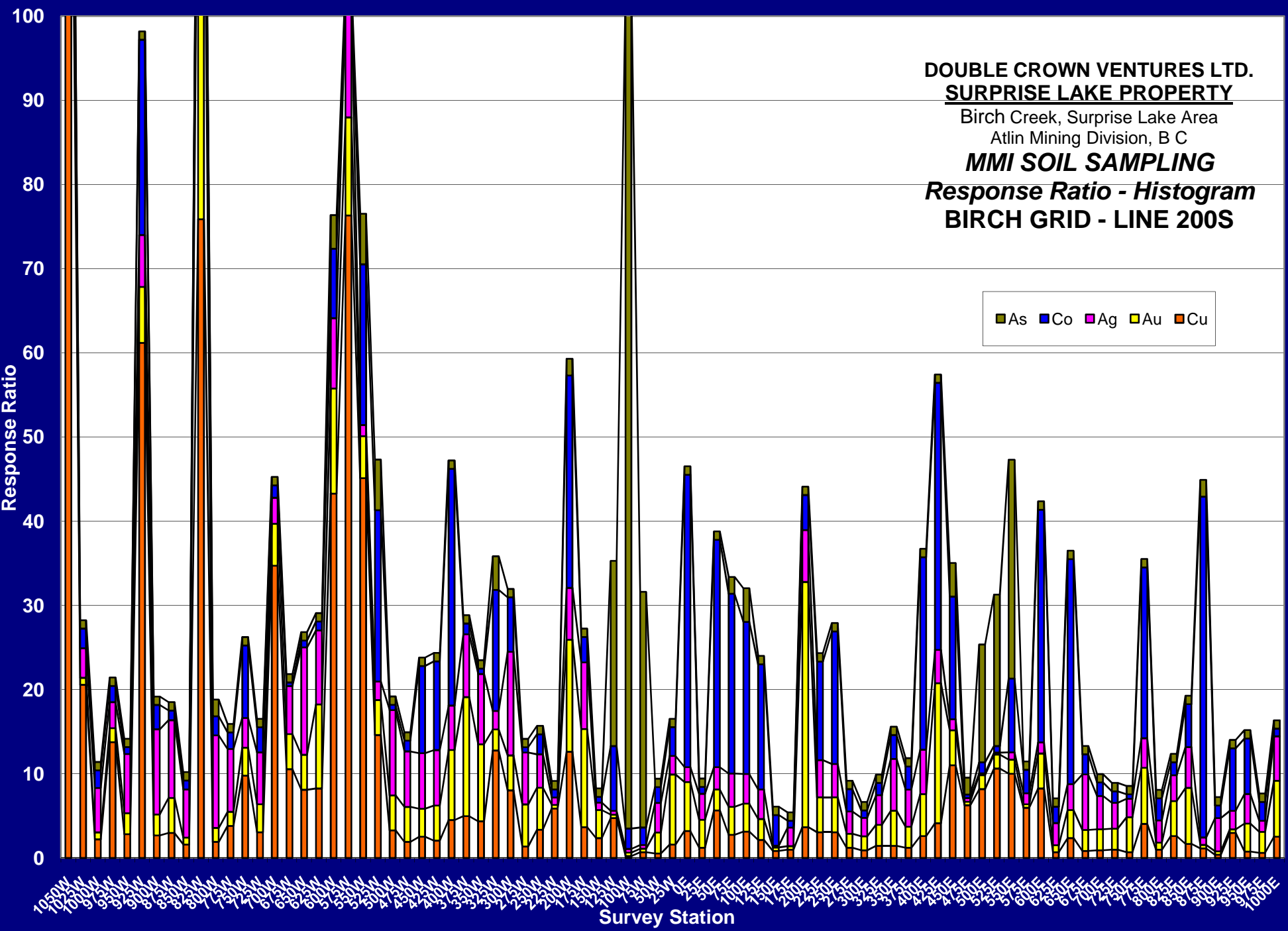




**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Birch Creek, Surprise Lake Area  
Atlin Mining Division, B C

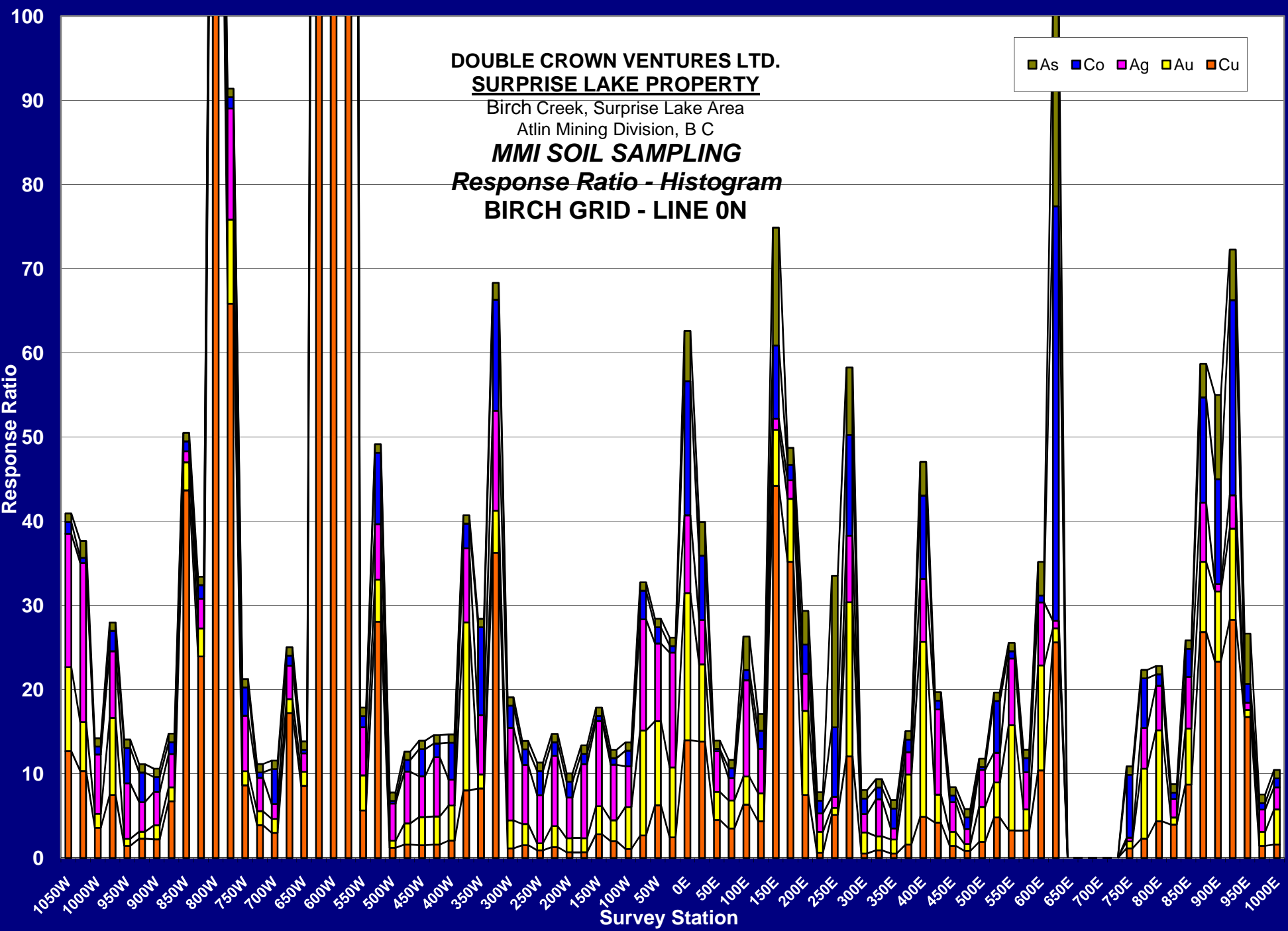
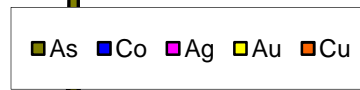
**MMI SOIL SAMPLING  
Response Ratio - Histogram  
BIRCH GRID - LINE 200S**

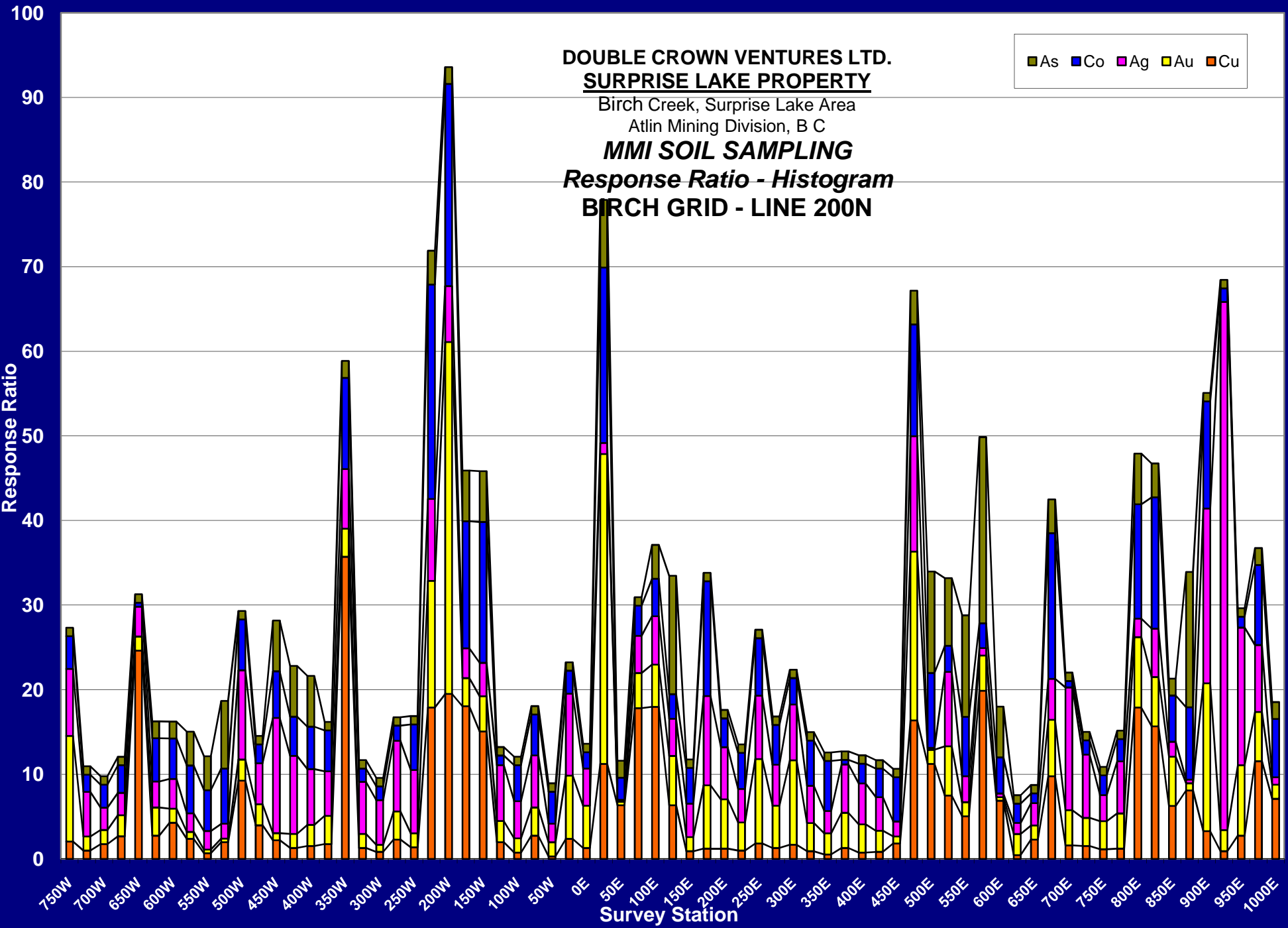


**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Birch Creek, Surprise Lake Area  
Atlin Mining Division, B C

**MMI SOIL SAMPLING  
Response Ratio - Histogram  
BIRCH GRID - LINE 0N**

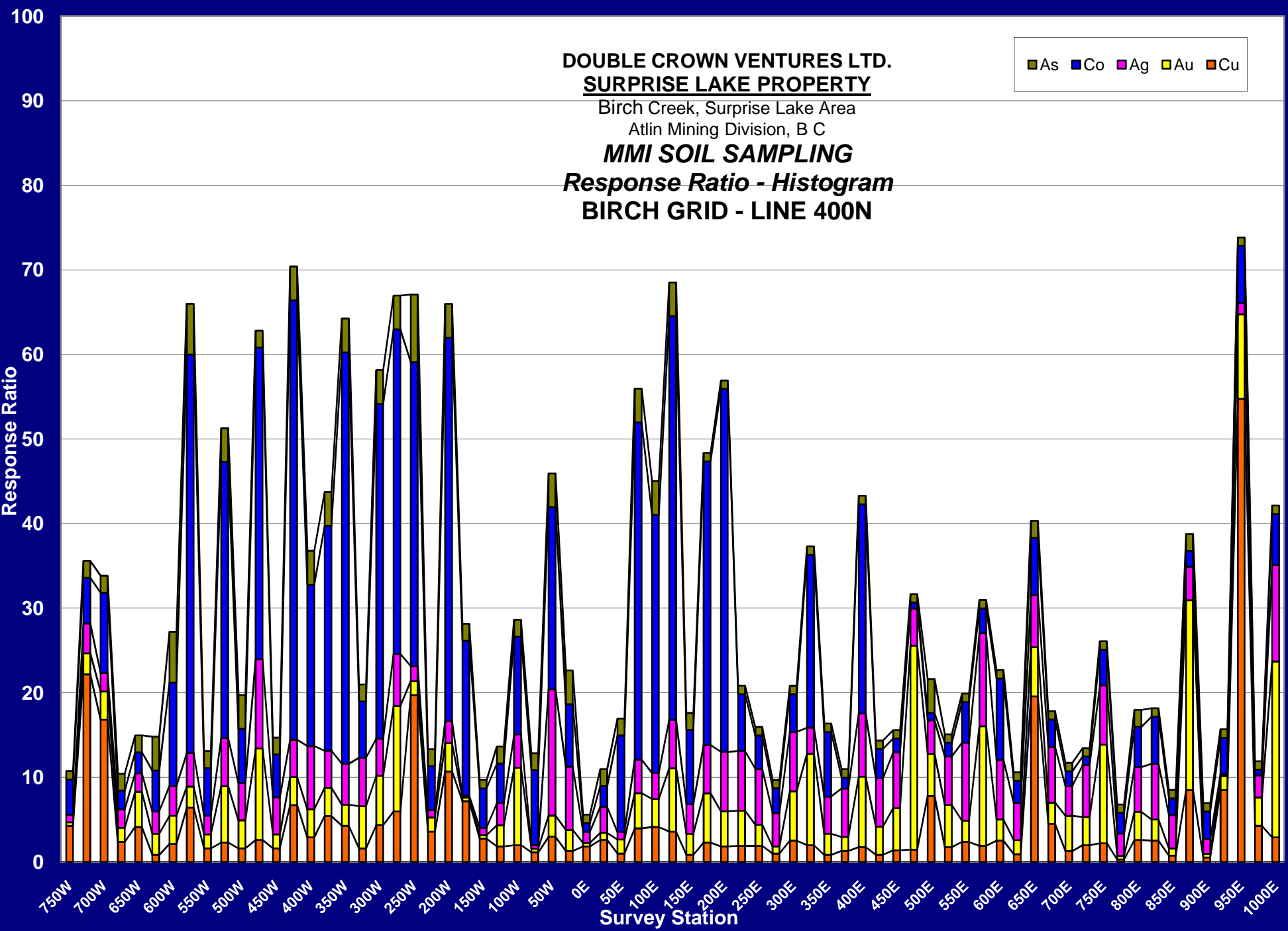
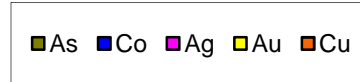




**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Birch Creek, Surprise Lake Area  
Atlin Mining Division, B C

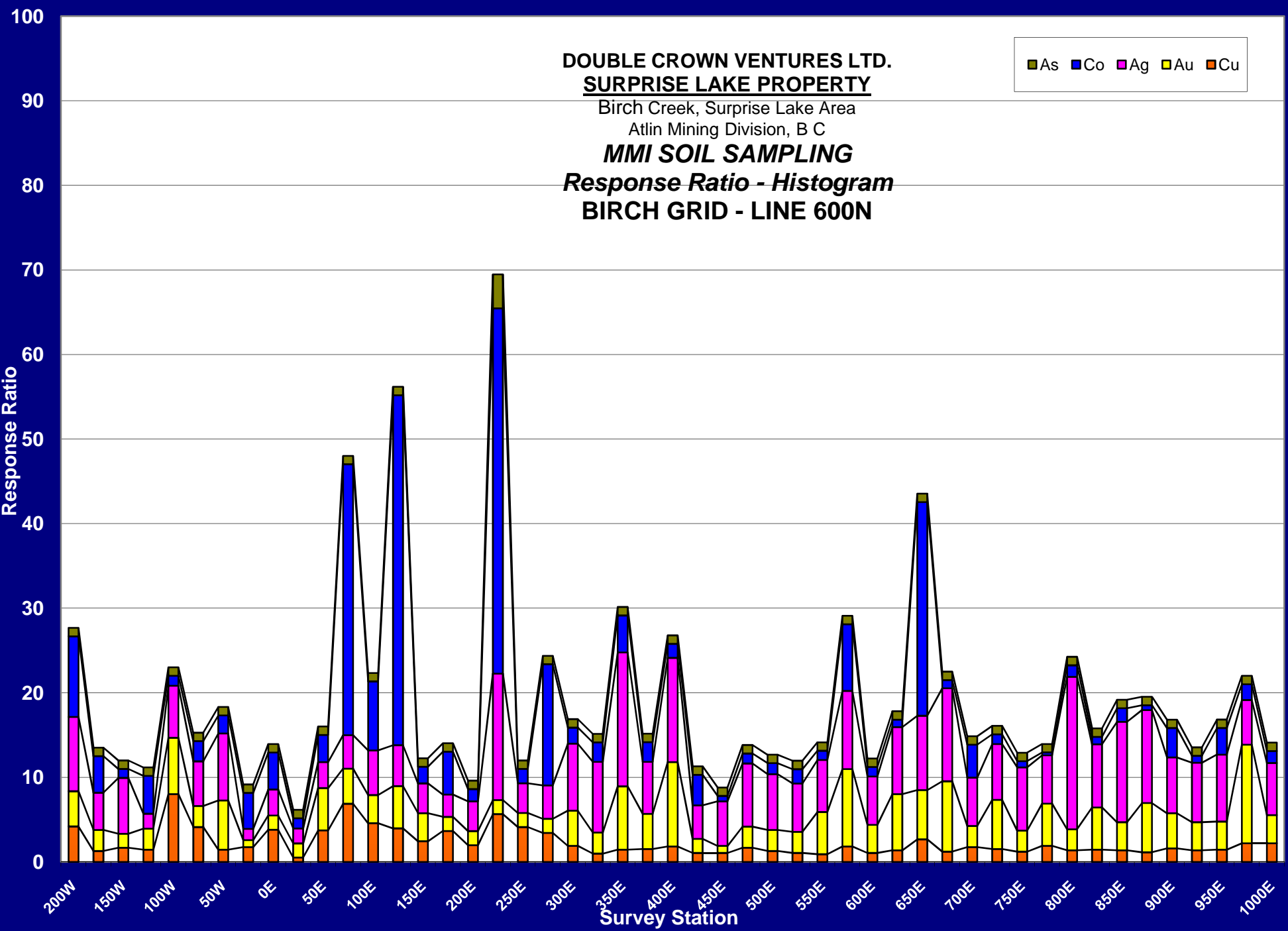
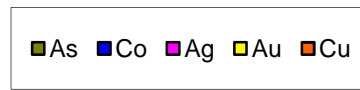
**MMI SOIL SAMPLING  
Response Ratio - Histogram  
BIRCH GRID - LINE 400N**

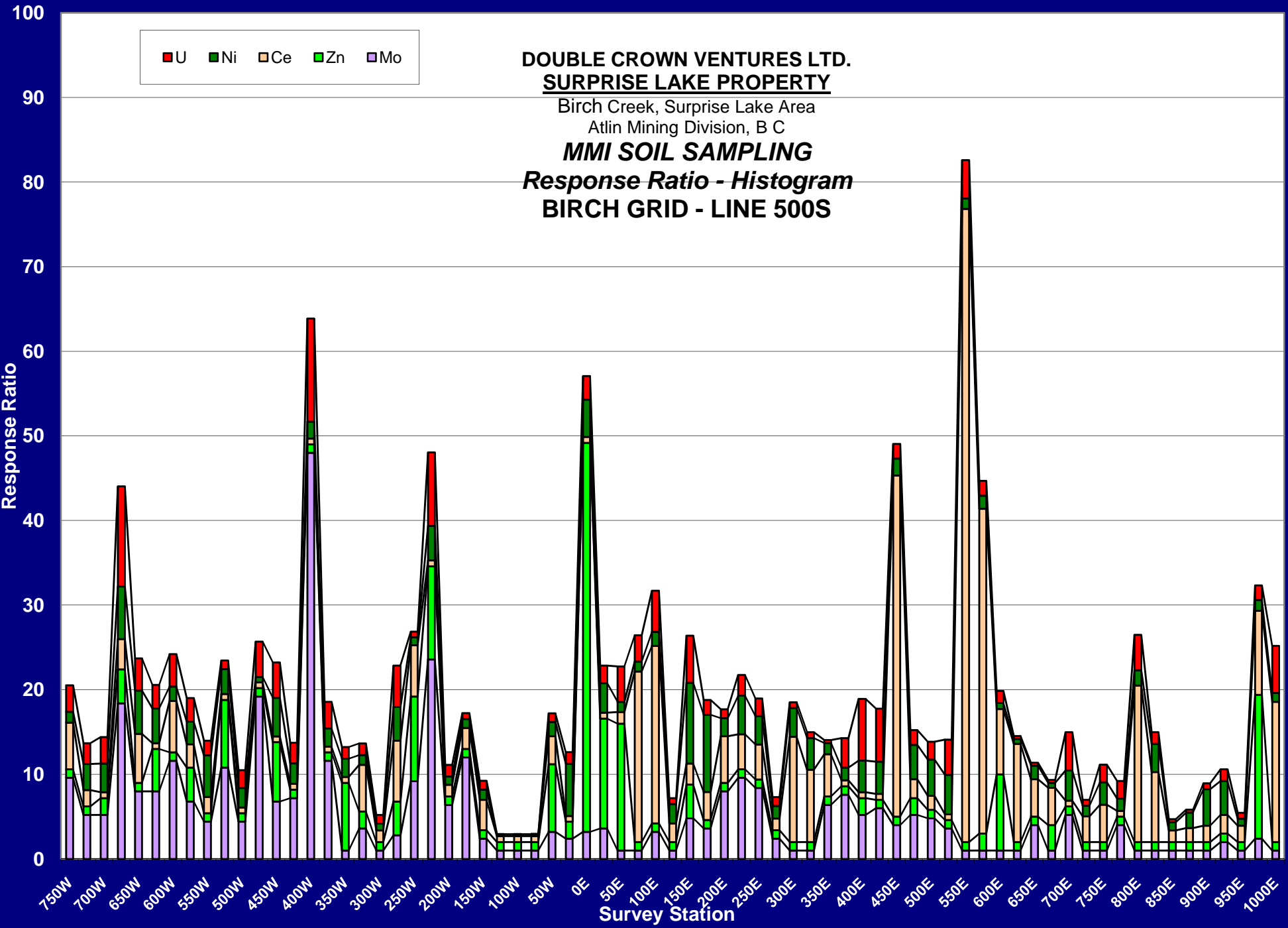


**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Birch Creek, Surprise Lake Area  
Atlin Mining Division, B C

**MMI SOIL SAMPLING  
Response Ratio - Histogram  
BIRCH GRID - LINE 600N**

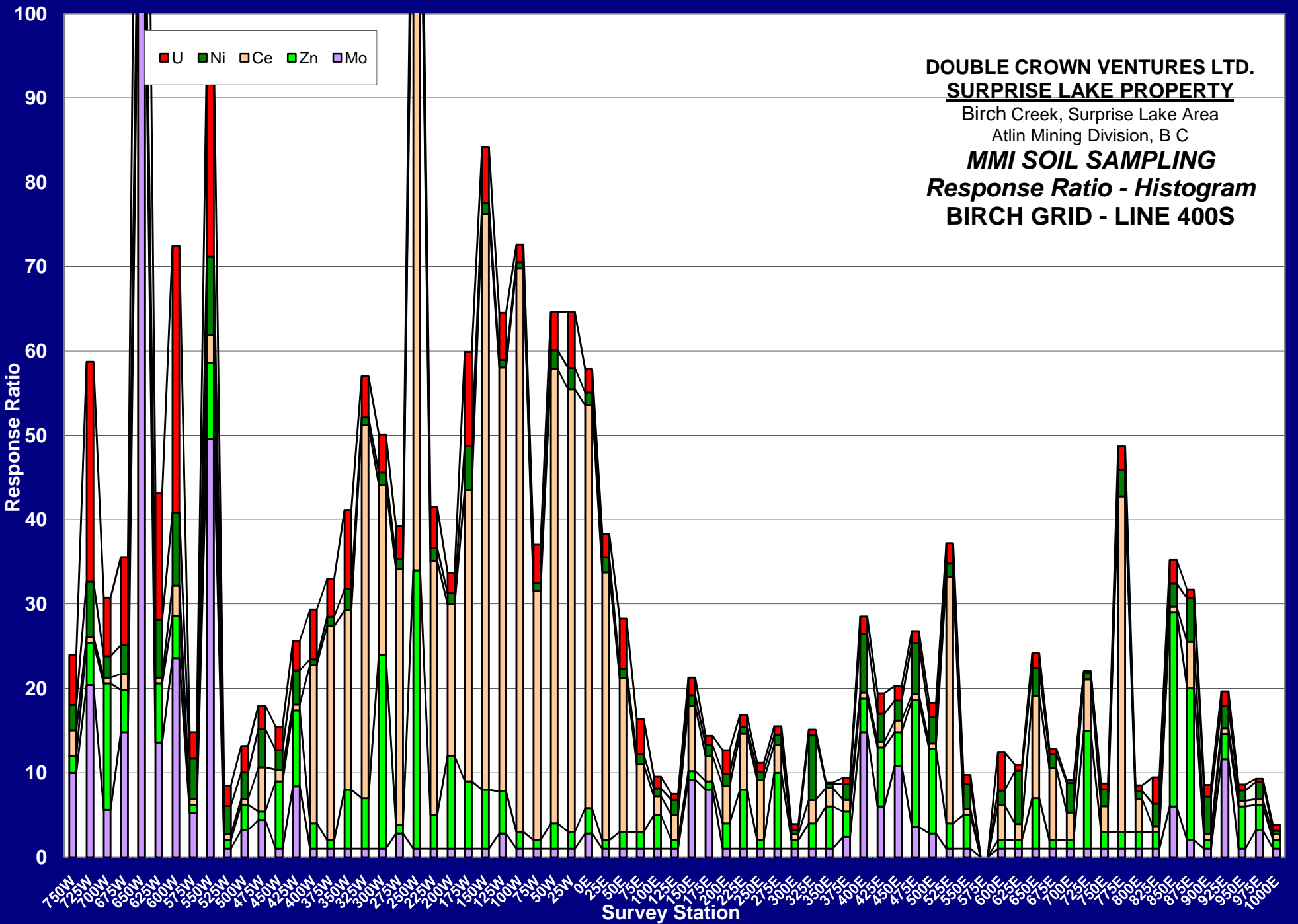




**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Birch Creek, Surprise Lake Area  
Atlin Mining Division, B C

**MMI SOIL SAMPLING  
Response Ratio - Histogram  
BIRCH GRID - LINE 400S**

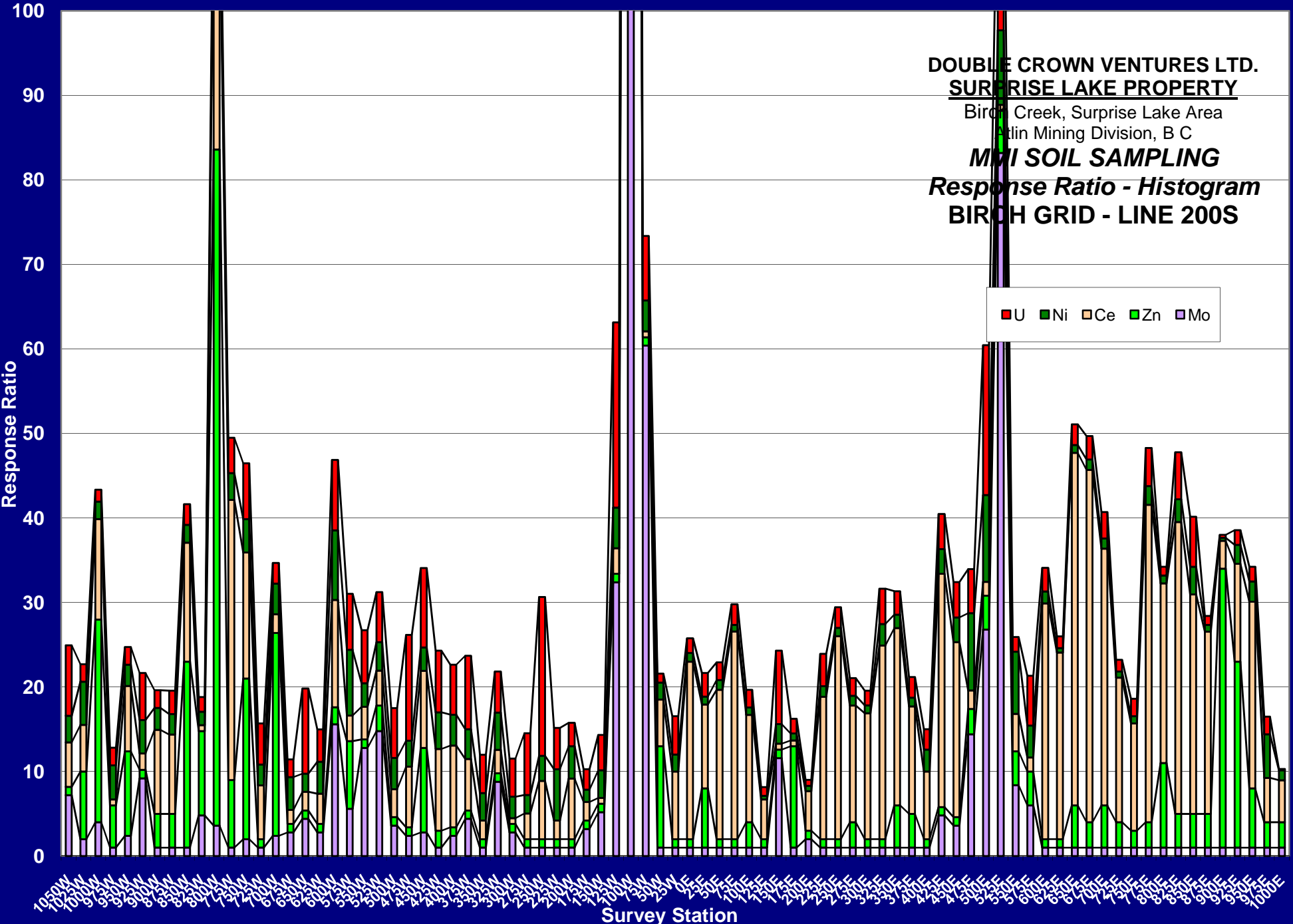


**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

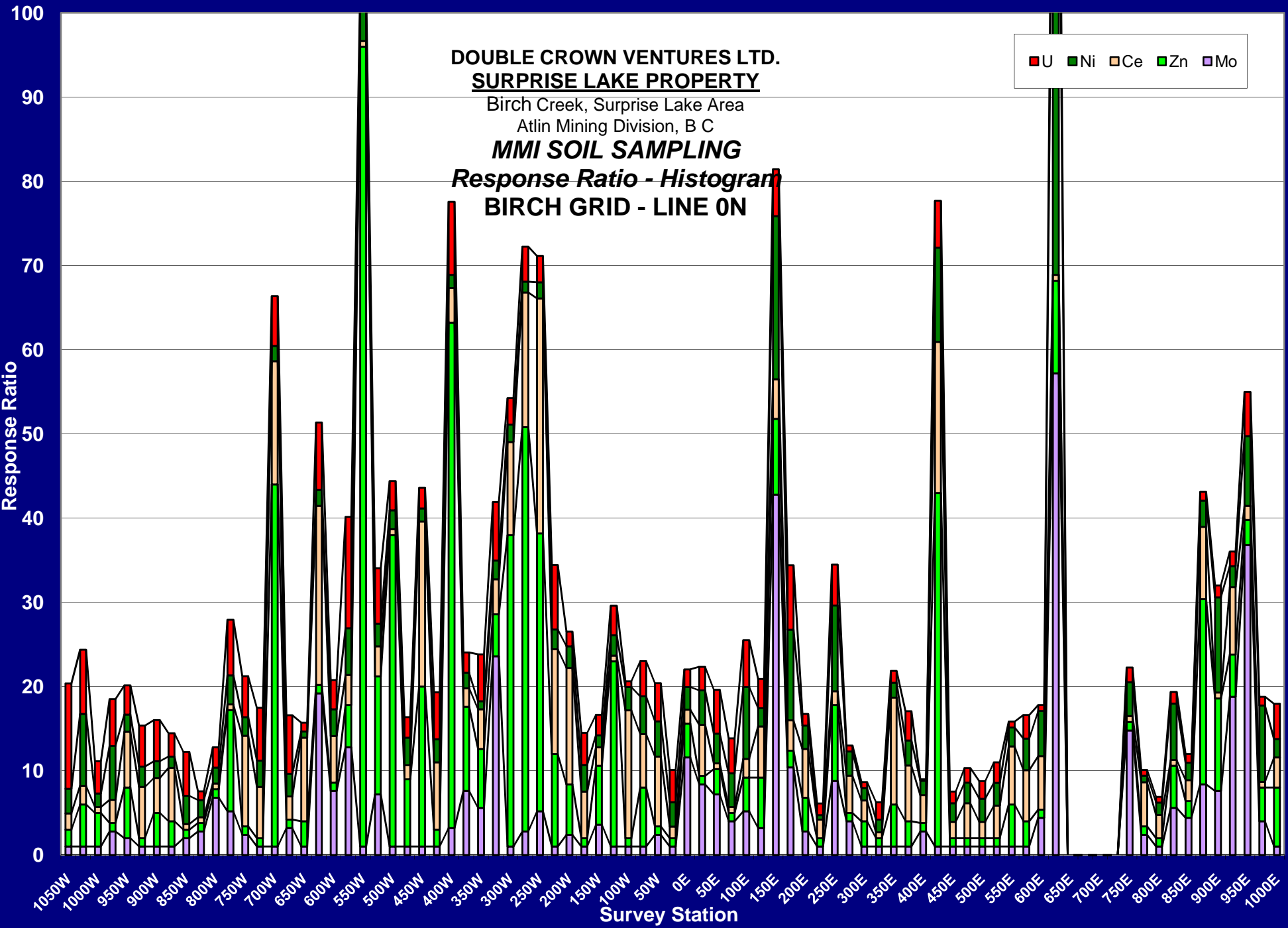
Birch Creek, Surprise Lake Area  
Atlin Mining Division, B C

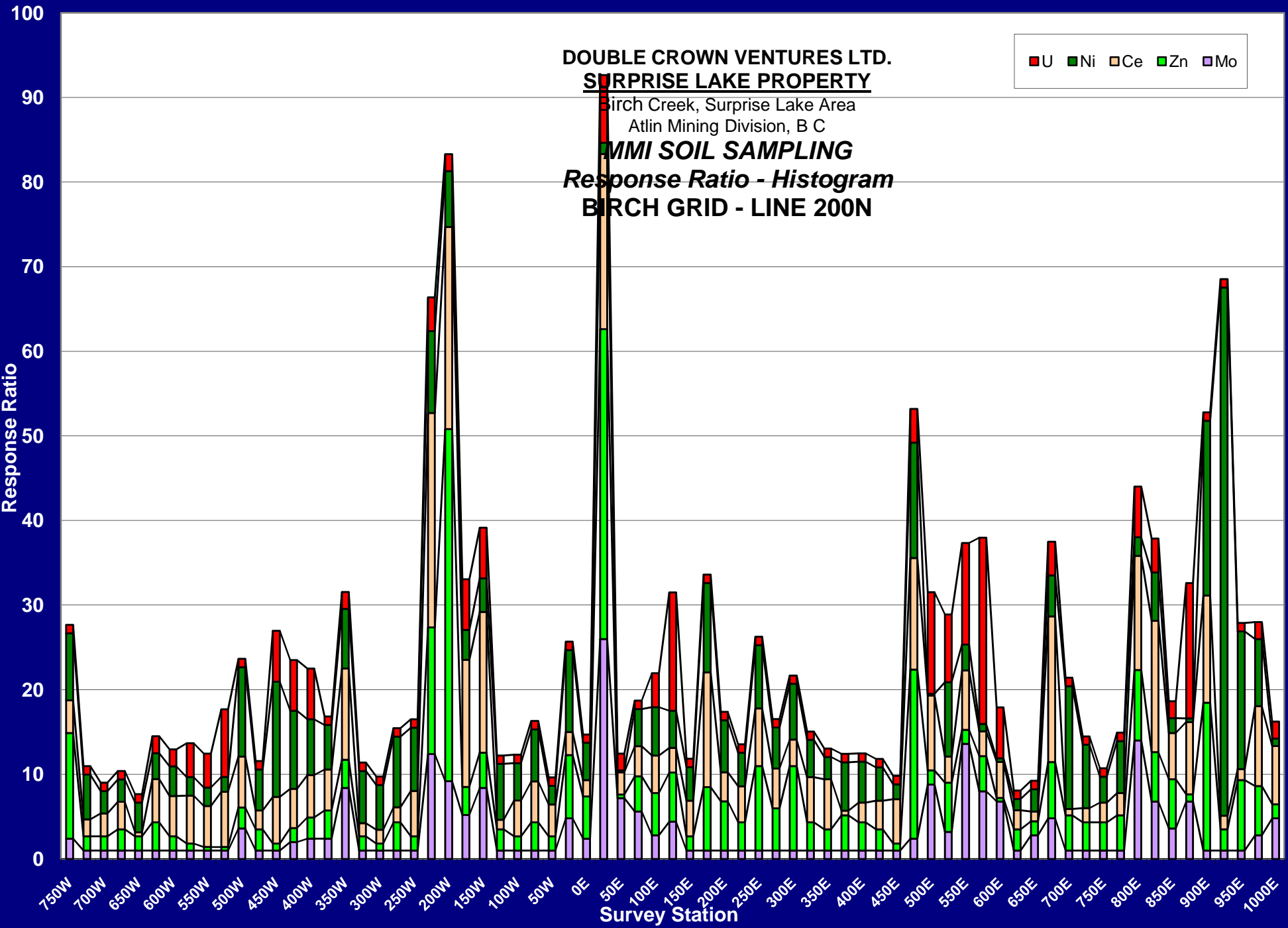
**MMI SOIL SAMPLING**  
*Response Ratio - Histogram*  
**BIRCH GRID - LINE 200S**

■ U ■ Ni ■ Ce ■ Zn ■ Mo





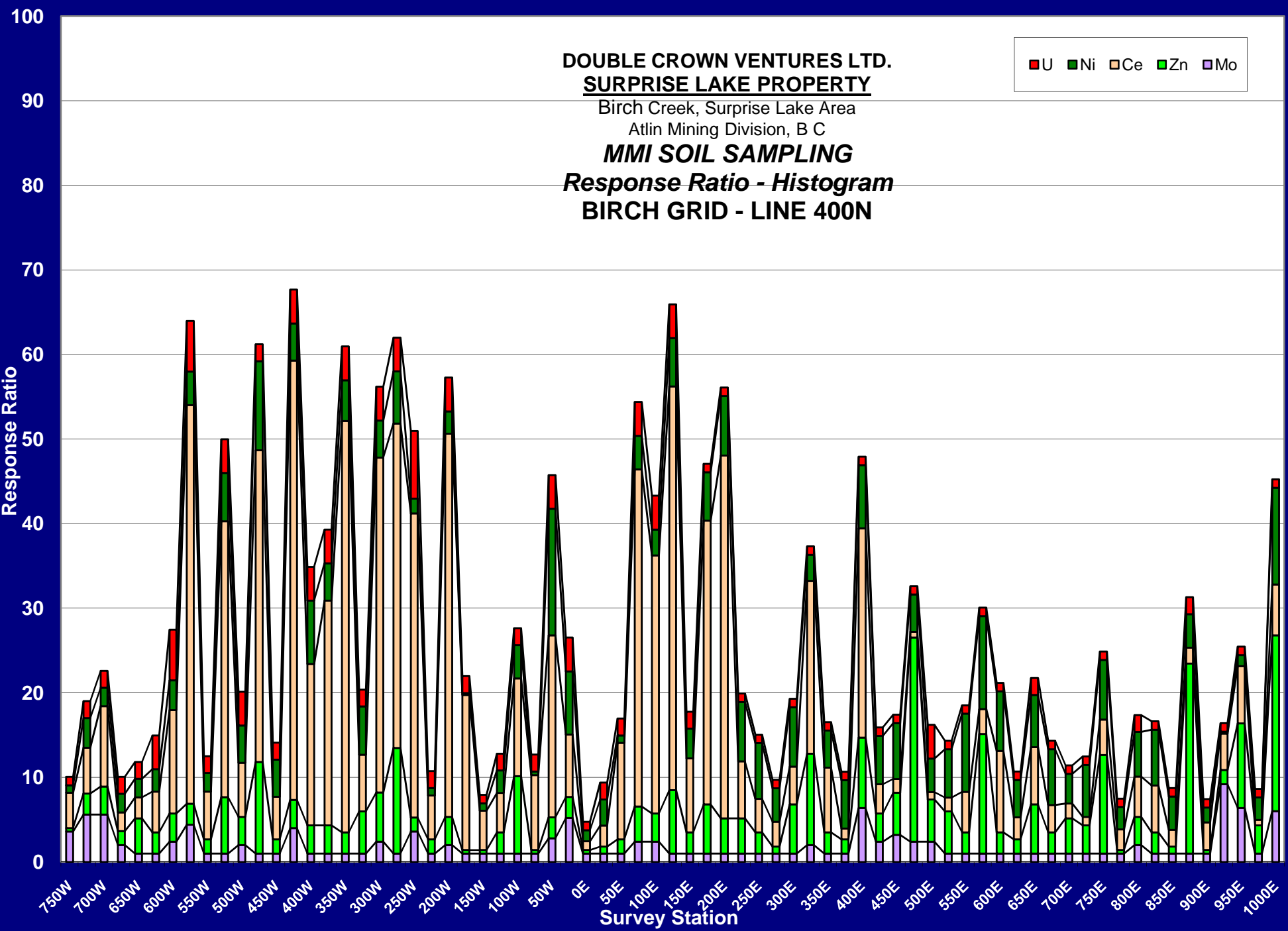
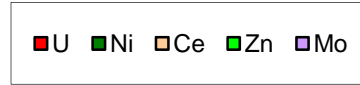




**DOUBLE CROWN VENTURES LTD.  
SURPRISE LAKE PROPERTY**

Birch Creek, Surprise Lake Area  
Atlin Mining Division, B C

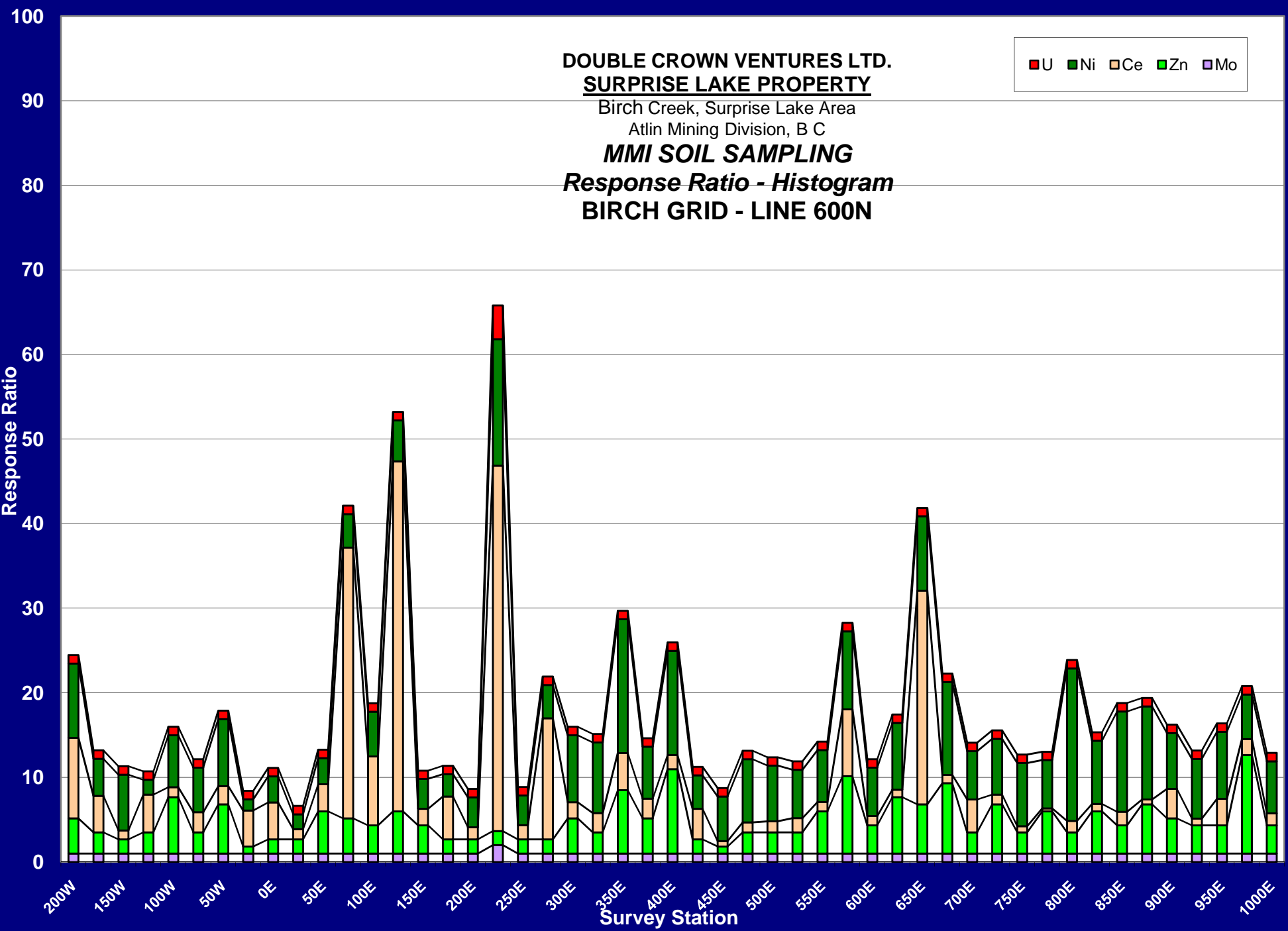
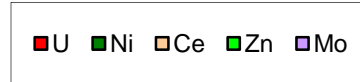
**MMI SOIL SAMPLING  
Response Ratio - Histogram  
BIRCH GRID - LINE 400N**

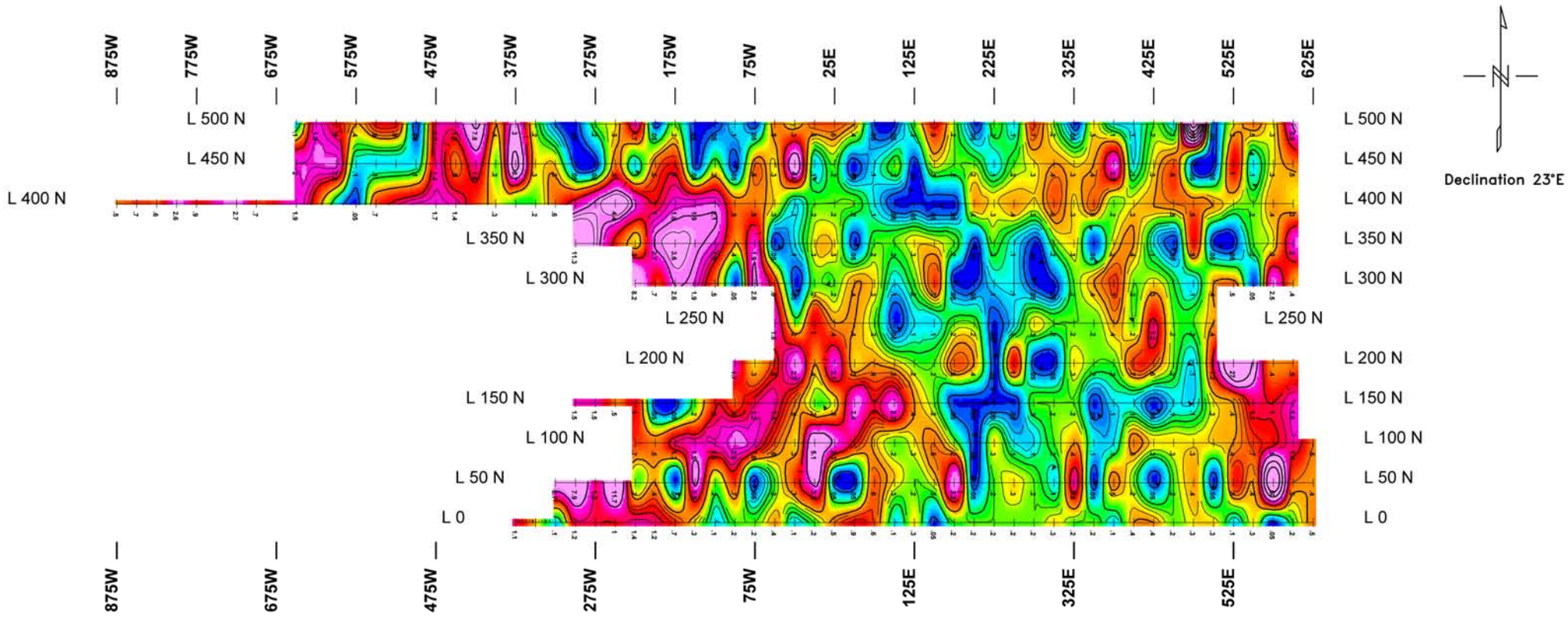


**DOUBLE CROWN VENTURES LTD.**  
**SURPRISE LAKE PROPERTY**

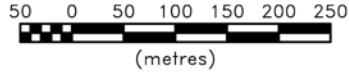
Birch Creek, Surprise Lake Area  
Atlin Mining Division, B C

**MMI SOIL SAMPLING**  
***Response Ratio - Histogram***  
**BIRCH GRID - LINE 600N**





**GEOTRONICS CONSULTING INC**  
**SURREY BC.**

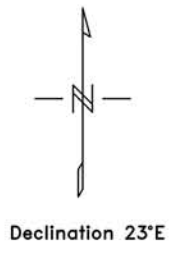
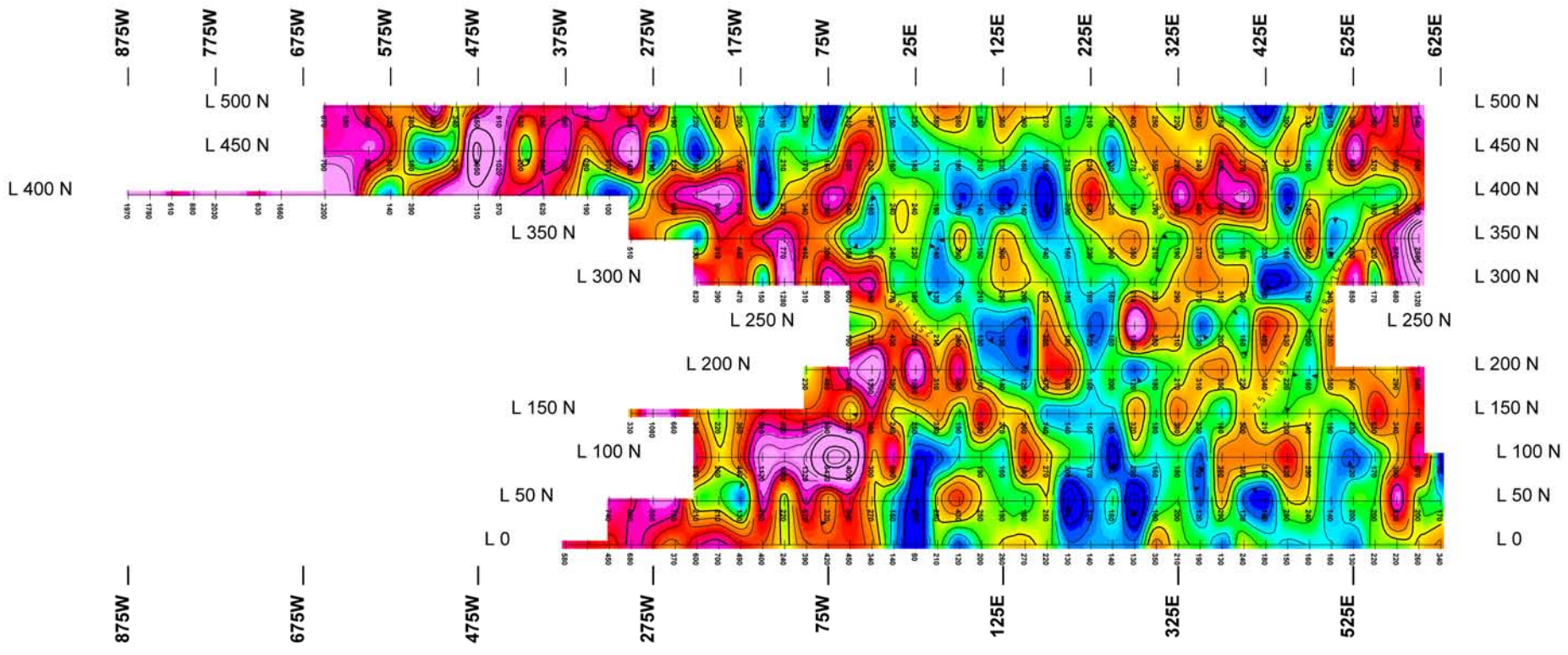


Dates Samples Picked Up:  
 June - August 2007

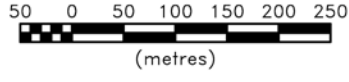
Soils Tested by:  
 SGS Laboratories  
 Toronto, Ontario

Contour Interval:  
 log base 10

GEOTRONICS CONSULTING INC				
DOUBLE CROWN VENTURES LTD				
SURPRISE LAKE PROPERTY				
SURPRISE SHOWING GRID				
ATLIN AREA				
ATLIN MINING DIVISION, BRITISH COLUMBIA				
<b>MMI SOIL GEOCHEMISTRY SURVEY</b>				
<b>CONTOUR PLAN</b>				
<b>GOLD (ppb)</b>				
Drawn by:	Job No.	NTS	Date	Fig No.
CAM	07-19	104N/11	Feb 08	SGC-1



**GEOTRONICS CONSULTING INC**  
SURREY BC.



Dates Samples Picked Up:  
June - August 2007

Soils Tested by:  
SGS Laboratories  
Toronto, Ontario

Contour Interval:  
log base 10

GEOTRONICS CONSULTING INC <b>DOUBLE CROWN VENTURES LTD</b> SURPRISE LAKE PROPERTY SURPRISE SHOWING GRID ATLIN AREA ATLIN MINING DIVISION, BRITISH COLUMBIA <b>MMI SOIL GEOCHEMISTRY SURVEY</b> <b>CONTOUR PLAN</b> <b>COPPER (ppb)</b>				
Drawn by:	Job No.	NTS	Date	Fig No.
CAM	07-19	104N/11	Feb 08	SGC-5

125W

25W

75E

175E

275E

L 275 N

L 250 N

L 225 N

L 200 N

L 175 N

L 150 N

L 125 N

L 100 N

L 250 N

L 225 N

L 200 N

L 175 N

L 150 N

L 125 N

L 100 N

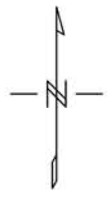
L 75 N

L 50 N

L 25 N

L 0

Declination -23



L 75 N

L 50 N

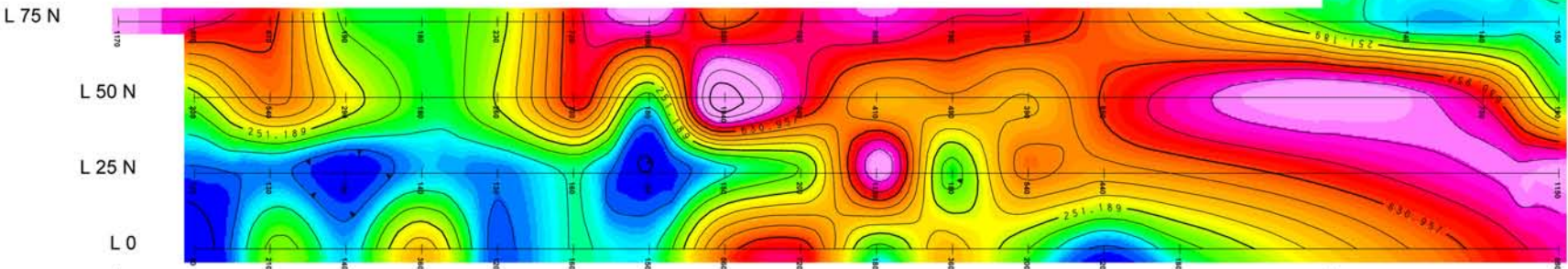
L 25 N

L 0

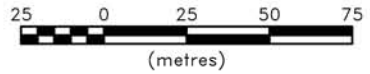
125W

75E

275E



**GEOTRONICS CONSULTING INC**  
**SURREY BC.**



Dates Samples Picked Up:  
June - August 2007

Soils Tested by:  
SGS Laboratories  
Toronto, Ontario

Contour Interval:  
log base 10

GEOTRONICS CONSULTING INC				
DOUBLE CROWN VENTURES LTD				
SURPRISE LAKE PROPERTY				
SURPRISE 2 GRID				
ATLIN AREA				
ATLIN MINING DIVISION, BRITISH COLUMBIA				
<b>MMI SOIL GEOCHEMISTRY SURVEY</b>				
<b>CONTOUR PLAN</b>				
<b>COPPER (ppb)</b>				
Drawn by: CAM	Job No. 07-19	NTS 104N/11	Date MAY 08	Fig No. SGC-5

125W

25W

75E

175E

275E

L 275 N

L 250 N

L 225 N

L 200 N

L 175 N

L 150 N

L 125 N

L 100 N

L 75 N

L 50 N

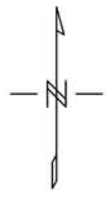
L 25 N

L 0

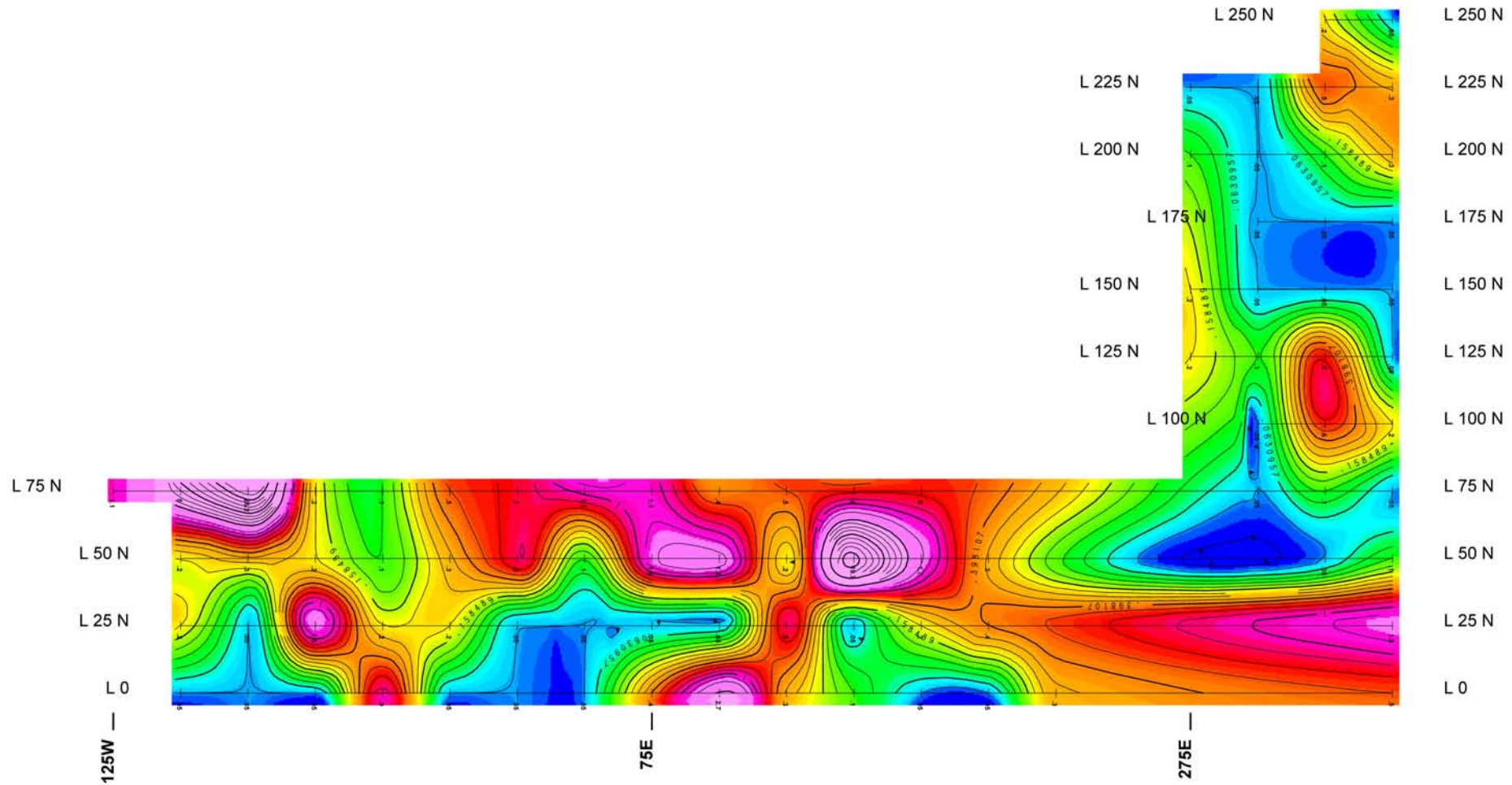
125W

75E

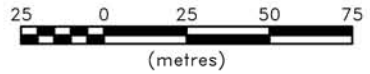
275E



Declination -23



**GEOTRONICS CONSULTING INC**  
**SURREY BC.**



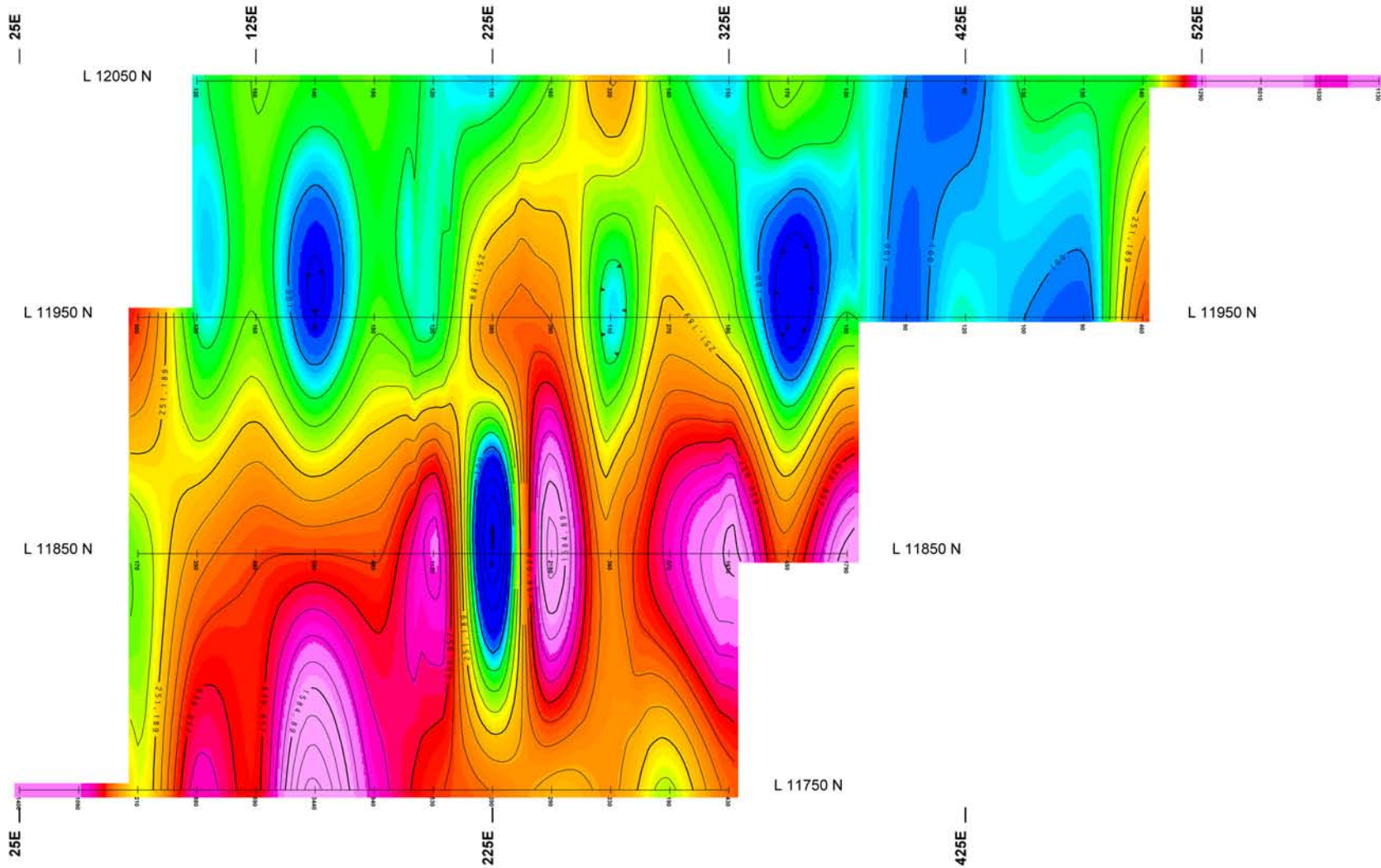
Dates Samples Picked Up:  
June - August 2007

Soils Tested by:  
SGS Laboratories  
Toronto, Ontario

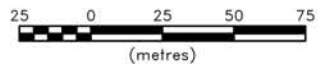
Contour Interval:  
log base 10

GEOTRONICS CONSULTING INC				
DOUBLE CROWN VENTURES LTD				
SURPRISE LAKE PROPERTY				
SURPRISE 2 GRID				
ATLIN AREA				
ATLIN MINING DIVISION, BRITISH COLUMBIA				
<b>MMI SOIL GEOCHEMISTRY SURVEY</b>				
<b>CONTOUR PLAN</b>				
<b>GOLD (ppb)</b>				
Drawn by:	Job No.	NTS	Date	Fig No.
CAM	07-19	104N/11	MAY 08	SGC-1





**GEOTRONICS CONSULTING INC**  
SURREY BC.

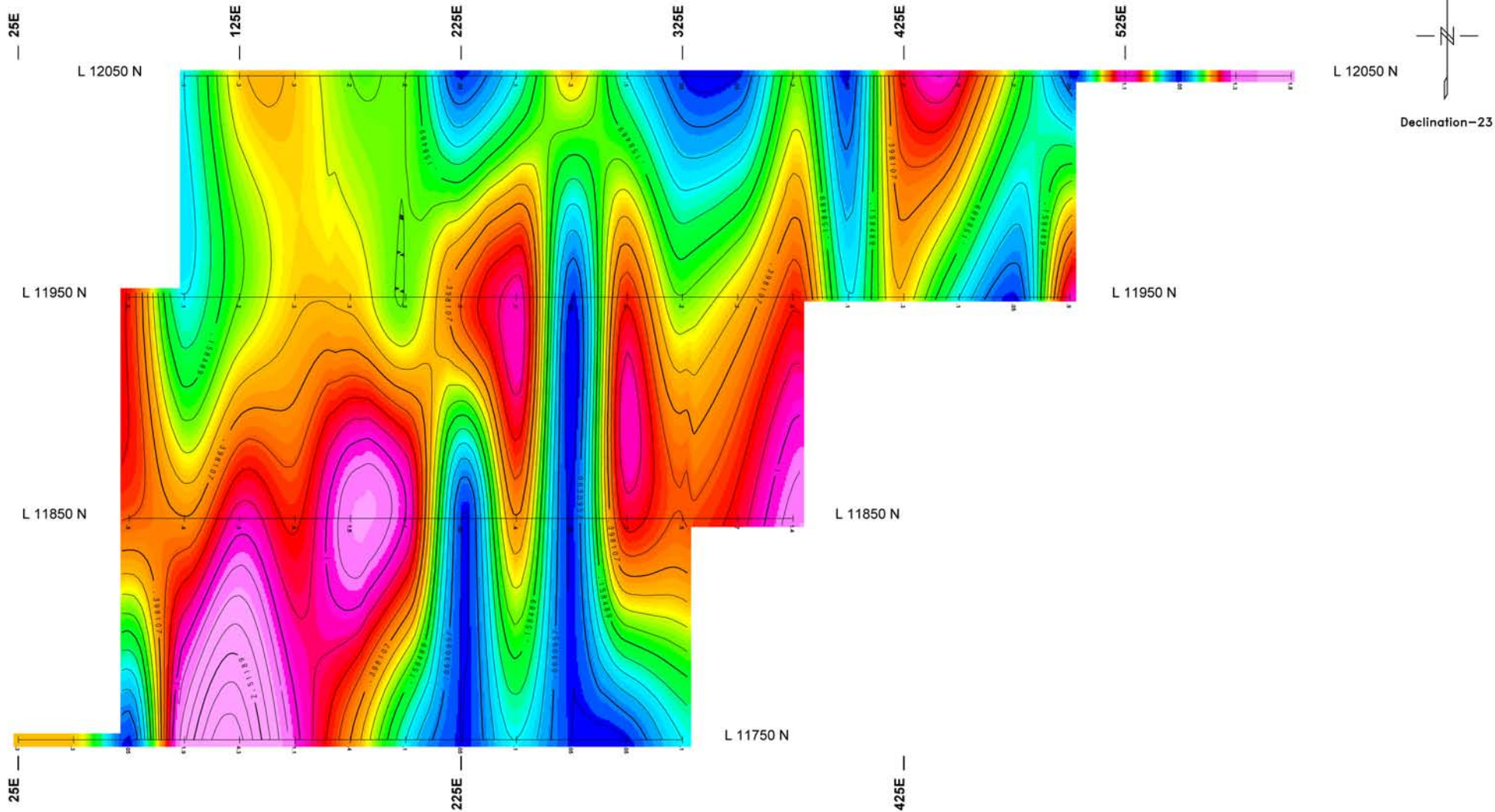


Dates Samples Picked Up:  
June - August 2007

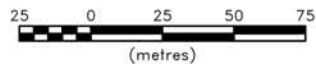
Soils Tested by:  
SGS Laboratories  
Toronto, Ontario

Contour Interval:  
log base 10

GEOTRONICS CONSULTING INC				
DOUBLE CROWN VENTURES LTD				
SURPRISE LAKE PROPERTY				
SURPRISE MAYBE GRID				
ATLIN AREA				
ATLIN MINING DIVISION, BRITISH COLUMBIA				
<b>MMI SOIL GEOCHEMISTRY SURVEY</b>				
<b>CONTOUR PLAN</b>				
<b>COPPER (ppb)</b>				
Drawn by:	Job No.	NTS	Date	Fig No.
CAM	07-19	104N/11	MAY 08	SGC-5



**GEOTRONICS CONSULTING INC**  
SURREY BC.

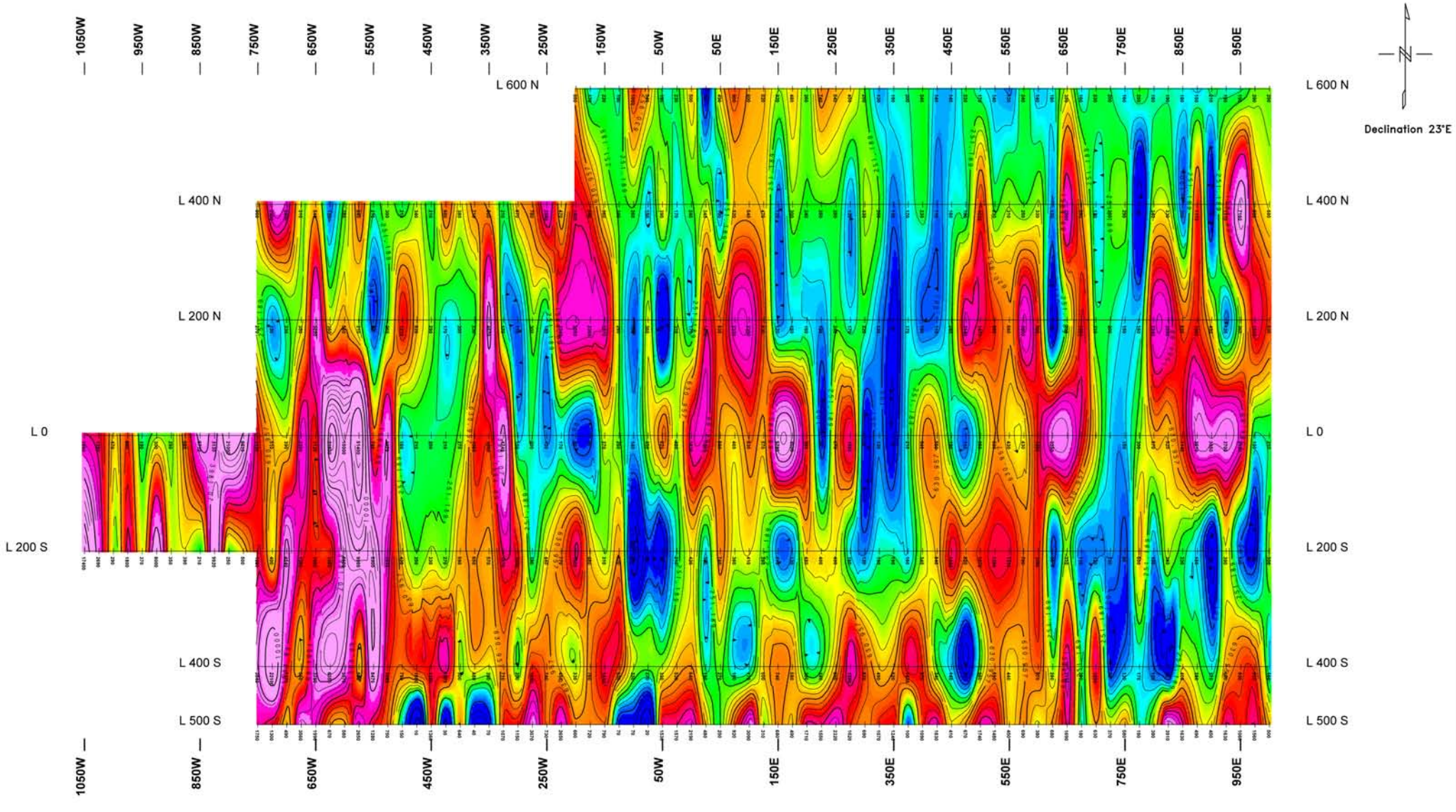


Dates Samples Picked Up:  
June - August 2007

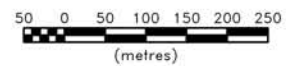
Soils Tested by:  
SGS Laboratories  
Toronto, Ontario

Contour Interval:  
log base 10

GEOTRONICS CONSULTING INC <b>DOUBLE CROWN VENTURES LTD</b> SURPRISE LAKE PROPERTY SURPRISE MAYBE GRID ATLIN AREA ATLIN MINING DIVISION, BRITISH COLUMBIA				
<b>MMI SOIL GEOCHEMISTRY SURVEY</b> <b>CONTOUR PLAN</b> <b>GOLD (ppb)</b>				
Drawn by: CAM	Job No. 07-19	NTS 104N/11	Date MAY 08	Fig No. SGC-1



**GEOTRONICS CONSULTING INC**  
SURREY BC.

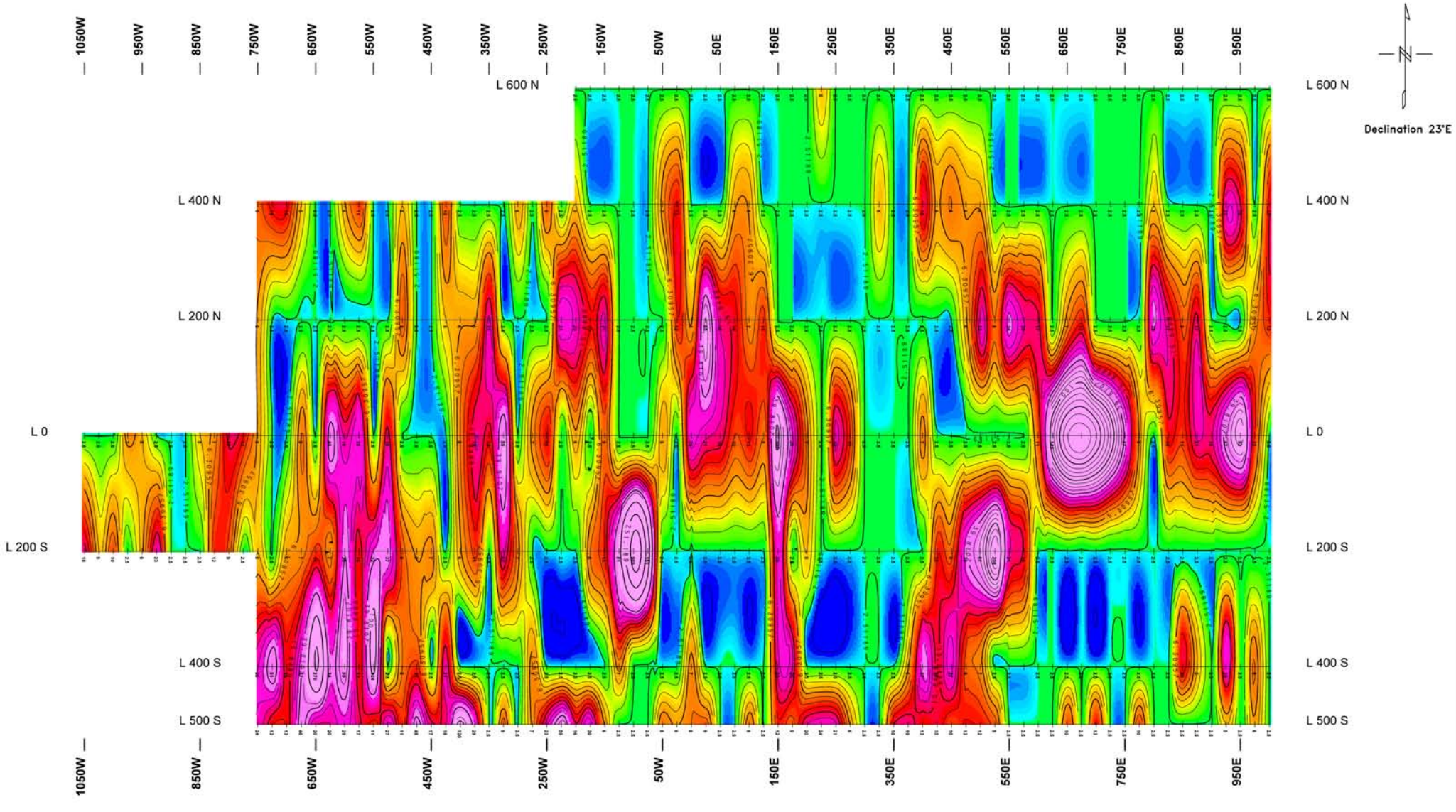


Dates Samples Picked Up:  
June - August 2007

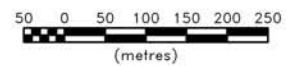
Soils Tested by:  
SGS Laboratories  
Toronto, Ontario

Contour Interval:  
log base 10

GEOTRONICS CONSULTING INC DOUBLE CROWN VENTURES LTD SURPRISE LAKE PROPERTY BIRCH CREEK GRID ATLIN AREA ATLIN MINING DIVISION, BRITISH COLUMBIA				
<b>MMI SOIL GEOCHEMISTRY SURVEY</b> <b>CONTOUR PLAN</b> <b>COPPER(ppb)</b>				
Drawn by: CAM	Job No. 07-19	NTS 104N/11	Date Feb 08	Fig No. BGC-5



**GEOTRONICS CONSULTING INC**  
SURREY BC.



Dates Samples Picked Up:  
June - August 2007

Soils Tested by:  
SGS Laboratories  
Toronto, Ontario

Contour Interval:  
log base 10

GEOTRONICS CONSULTING INC DOUBLE CROWN VENTURES LTD SURPRISE LAKE PROPERTY BIRCH CREEK GRID ATLIN AREA ATLIN MINING DIVISION, BRITISH COLUMBIA				
<b>MMI SOIL GEOCHEMISTRY SURVEY</b> <b>CONTOUR PLAN</b> <b>MOLYBDENUM (ppb)</b>				
Drawn by: CAM	Job No. 07-19	NTS 104N/11	Date Feb 08	Fig No. BGC-9